Department of Energy
Carlsbad Field Office
P.O. Box 3090
Carlsbad, New Mexico 88221

MAR 3 2014

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NMED
Hazardous Waste Bureau

Mr. John E. Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Subject: Transmittal of the Final Audit Report for Recertification Audit A-14-04 of the SRS/CCP

Dear Mr. Kieling:

This letter transmits the Final Audit Report for Carlsbad Field Office (CBFO) Recertification Audit A-14-04 of the Savannah River Site (SRS) Central Characterization Program (CCP) for processes performed to characterize and certify waste in accordance with the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit. Recertification Audit A-14-04 was conducted on November 13-15, 2013.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. Michael R. Brown, Director of the CBFO Office of Quality Assurance, at (575) 234-7476.

Sincerely,

Jose R. Franco, Manager
Carlsbad Field Office

Enclosure

CBFO:OQA:DSM:MAG:14-1047:UFC 2300.00

140310

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J.R. Stroble, CBFO	ED
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D. Miehls, CBFO	ED
T. Morgan, CBFO	ED
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D.E. Gulbransen, NWP/CCP	ED
V. Cannon, NWP/CCP	ED
A.J. Fisher, NWP/CCP	ED
M. Walker, NWP/CCP	ED
I. Joo, NWP/CCP	ED
W. Ledford, NWP/CCP	ED
J. Carter, NWP/CCP	ED
J. Hoff, NWP/QA	ED
B. Allen, NWP/QA	ED
S. Punchios, NWP/QA	ED
S. Escareno-Soto, NWP/QA	ED
T. Peake, EPA	ED
L. Bender, EPA	ED
E. Feltcorn, EPA	ED
R. Joglekar, EPA	ED
S. Ghose, EPA	ED
R. Lee, EPA	ED
T. Kliphuis, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
C. Smith, NMED	ED
V. Daub, CTAC	ED
R. Allen, CTAC	ED
P.Y. Martinez, CTAC	ED
D. Harvill, CTAC	ED
G. White, CTAC	ED
Site Documents	ED
WWIS Database Administrators	ED
R. Chavez, RES	ED
W. Most, RES	ED
L. Pastorello, RES	ED
A. Urquidez, RES	ED
RCRA Chronology Record	ED

*ED denotes electronic distribution

cc: w/enclosures

WIPP Operating Record	*EF
CBFO QA File	EF
CBFO M&RC	EF

*EF denotes electronic file format

U.S. Department of Energy
Carlsbad Field Office

CONTENT MAP

Final Audit Report of Audit A-14-04 of the Savannah River Site (SRS) Waste Characterization and Certification Program

Audit Number A-14-04
November 13 – 15, 2013

CONTENT MAP

This box contains the Final Audit Report of CBFO Audit A-14-04 of the SRS CCP Quality Assurance Program and the SRS CCP (TRU) Waste Characterization and Certification Program conducted November 13 - 15, 2013. The box also contains a list of objective evidence used to conduct the audit. The documents have been organized into color-coded folders, one each for the SRS CCP Implementing Procedures (purple folder), Final Audit Report (manila folder), the C-6 Checklist (brown folder), General Information (green folder), Solids and Soils/Gravel Sampling (light blue folder), Acceptable Knowledge (blue folder), Headspace Gas (brown folder), Real-Time Radiography (red folder), and Visual Examination (yellow folder). The list below identifies each document by name and number and indicates where each may be found.

CONTENT MAP	**Black Folder**

Final Audit Report	**Manila Folder**

Final Audit Report
- Attachment 1: Personnel Contacted During the Audit
- Attachment 2: Personnel Contacted During the Audit by Subject Area
- Attachment 3: Corrective Action Report (CAR) Supporting Documentation
- Attachment 4: Objective Evidence Compiled During the Audit (provided in boxes)
- Attachment 5: List of Audited Documents
- Attachment 6: List of Processes and Equipment Evaluated During the Audit
- Attachment 7: Procedure Revision Matrix

C6 Checklist	**May 8, 2012**	**Brown Folder**
C6-1	Waste Analysis Plan (WAP) Checklist	
C6-2	Solids and Soils/Gravel Sampling (SOL) Checklist	
C6-3	Acceptable Knowledge (AK) Checklist	
C6-4	Headspace Gas Checklist	

C6 Checklist	**March 13, 2013**	**Brown Folder**
C6-1	Waste Analysis Plan (WAP) Checklist	
C6-2	Acceptable Knowledge (AK) Checklist	
C6-3	Radiography (RTR) Checklist	
C6-4	Visual Examination (VE) Checklist	

SRS/CCP Program Implementing Procedures Audited	**Purple Folder**
See Final Report Attachment 5 for List of Audited SRS CCP Procedures	
Attachment 3 - Corrective Action Supporting Documentation	
CAR1	Corrective Action Report 14-006
Attachment 4 - Objective Evidence	

General Information (Checklist C6-1) Waste Analysis Plan (WAP) Green Folder	
GEN1	SR-W027-773A-HOM WSPF/CIS, lot 1
GEN2	SR-MD-SOIL, R1, WSPF/CIS
GEN3	SR-SDD-HET-A WSPF/CIS
GEN4	Draft SR-RH-SDD.01
GEN5	Batch Data Reports - SR4RTR0356, SRLBR0087, SRLBR0078, SR4RTR0301, SRLBR0110, and SRLBR0088
GEN6	Batch Data Reports - SSG12-00007, ALD12030V, ALD12030S, ALD12030N, ALD12030M, ALD12030F, ALD12030H, SSC12-00006, ALD12031V, ALD12031S, ALD12031N and ALD12031M
GEN7	Batch Data Reports - SRHSG1228, ECL12046M, SRHSG1301, ECL13001M, SRHSG1304, and ECL13007M
GEN8	Batch Data Report - SRSRHVE13001
GEN9	Co-Located Samples
GEN10	Solid Sample Selections
GEN11	Solids Random Selections
GEN12	Chain of Custody sample dispositions
GEN13	Headspace Gas Random Sample Selections
GEN14	Quarterly Repeats
GEN15	Report of Field Reference Standard Results For The Central Characterization Project – Savannah River Site
GEN16	NCRs evaluated
GEN17	CH Non-conformance Report Logs; RH Non-conformance Report Logs
GEN18	CH Waste Characterization Case Files for the containers HBL110034, HBL120523, MD0504544A, SD00005621, SR503978, and SR54064311
GEN19	CH Records Inventory and Disposition Schedule (RIDS)
GEN20	RH Records Inventory and Distribution Schedule (RIDS)
GEN21	Hazardous Waste Manifests
GEN22	CCP – Savannah River Site (SRS) List of Qualified Individuals
GEN23	Qualification records for selected CCP personnel
GEN24	SPM and AKE Training Records
Solids and Soils/Gravel Sampling (SOL) (Checklist C6-2) Light Blue Folder	
SOL1	Batch Data Reports - SSC12-00006 and SSG12-00007
Acceptable Knowledge (Checklist C6-3) Blue Folder	
AK1	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7
AK2	CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste,
AK3	waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3
	CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8
AK4	CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1
AK5	CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1
AK6	Q&MIS Approvals for AK Summaries CCP-AK-SRS-12 R7, CCP-AK-SRS-14 R3, CCP-AK-SRS-8 R8, CCP-AK-SRS-630 R1 and CCP-AK-SRS-600 R1
AK7	Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B

AK8	Waste Stream Profile Form and att. for waste stream SR-W027-321M-HO
AK9	Waste Stream Profile Form and att. for waste stream SR-MD-SOIL
AK10	Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01
AK11	Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01
AK12	AK Source Document Summaries for waste stream SR-SWMF-HET-B
AK13	AK Source Document Summaries for WR-W027-321M-HOM
AK14	AK Source Document Summaries for waste stream SR-MD-SOIL
AK15	AK Source Document Summaries for waste stream SR-RH-SDD.01
AK16	AK Source Document Summaries for waste stream SR-RH-221H.01
AK17	AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK18	AK Information List for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK19	AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK20	Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK21	AK Attachment 8 container list for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK22	AK Discrepancy Resolutions in the AK Record
AK23	AK Discrepancy Resolutions at Characterization and AK Reevaluations
AK24	NCRs for prohibited items
AK25	“Hold” tag
AK26	Container inspection reports
AK27	AK Tracking Spreadsheet for CH waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL
AK28	AK Tracking Spreadsheet for RH waste streams SR-RH-SDD.01 and SR-RH-221H.01
AK29	IDC database with “reject” field
AK30	Waste Container Input Forms for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01
AK31	Internal Audit
AK32	AK Accuracy Reports
AK33	HSG Random Container Selection Memos
AK34	HSG Summary Report (CIS)
AK35	Solids S&A Random Container Selection Memo
AK36	Solids Summary Reports
AK37	Batch Data Report - SR4RTR0230
AK38	Batch Data Report - SR4RTR0301
AK39	Batch Data Report - SR4RTR0107
AK40	Batch Data Report - SRLBR0069

AK41	Batch Data Report - SRSRTR0573
AK42	Batch Data Report - SR4RTR0220
AK43	Batch Data Report - SRSRHVE13001
AK44	Batch Data Report - SRHSG1301
AK45	Batch Data Report - ECL13001M
AK46	Batch Data Report - SRHSG1211
AK47	Batch Data Report - ECL12019M
AK48	Batch Data Report - SSC11-00008
AK49	Batch Data Report - ALD11026V
AK50	Batch Data Report - ALD11026S
AK51	Batch Data Report - ALD11026M
AK52	Batch Data Report - ALD11026N
AK53	Batch Data Report - SSG12-00007
AK54	Batch Data Report - ALD12030V
AK55	Batch Data Report - ALD12030S
AK56	Batch Data Report - ALD12030M
AK57	Batch Data Report - ALD12030N
AK58	Waste Stream Characterization Checklists and AK Data Reconciliation
Headspace Gas (Checklist C6-4)	**Brown Folder**
HSG1	Batch Data Reports - SRHSG1223, SRHSG1224, SRHSG1225, SRHSG1226, SRHSG1227, SRHSG1228, SRHSG1229, SRHSG1301 and SRHSG1303
Real-Time Radiography (Checklist C6-5)	**Red Folder**
RTR1	Batch Data Reports - SR4RTR0275, R4RTR0301, SR4RTR0318, SR4RTR0327, SR4RTR0356, SRLBR0074, SRLBR0094, and SRLBR0110,
RTR2	Training and qualification records for 4 RTR operators
Visual Examination (Checklist C6-6)	**Yellow Folder**
VE1	Batch Data Report - SRSRHVE13001
VE2	Training files for three VE operators
VE3	Appointment letter for CH VEE

U.S. DEPARTMENT OF ENERGY
CARLSBAD FIELD OFFICE

FINAL AUDIT REPORT

OF THE

SAVANNAH RIVER SITE CENTRAL CHARACTERIZATION PROGRAM

TRU WASTE CHARACTERIZATION AND CERTIFICATION ACTIVITIES

AIKEN, SOUTH CAROLINA
AND CARLSBAD, NEW MEXICO

AUDIT NUMBER A-14-04

November 13 – 15, 2013

Prepared by: Priscilla Y. Martinez Date: 2-21-14
Priscilla Y. Martinez, CTAC
Audit Team Leader

Approved by: D. J. Mills FOR Date: 2-21-14
Michael R. Brown, Director
CBFO Office of Quality Assurance

1.0 EXECUTIVE SUMMARY

U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) Recertification Audit A-14-04 was conducted to evaluate the continued adequacy, implementation, and effectiveness of Savannah River Site (SRS) transuranic (TRU) waste characterization and certification activities performed for SRS by the Nuclear Waste Partnership (NWP) Central Characterization Program (CCP). Activities were evaluated relative to the requirements of the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP) Waste Analysis Plan (WAP) and the *CBFO Quality Assurance Program Document* (QAPD).

The audit team evaluated characterization and certification activities for contact-handled (CH) Summary Category Groups (SCGs) S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and remote-handled (RH) SCG S5000 debris waste. The specific items audited are listed in section 2.1.

The audit was conducted at the SRS/CCP facilities near Aiken, South Carolina, and at Carlsbad, New Mexico, November 13 through 15, 2013. The audit team concluded that overall, the SRS/CCP technical and quality assurance (QA) programs, as applicable to audited activities, were adequately established for compliance with upper-tier requirements. The audit team verified that the SRS/CCP program for characterization and certification activities related to CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste continues to be adequate, satisfactorily implemented, and effective. The audit team also determined that the SRS/CCP QA program requirements are being satisfactorily implemented and are effective.

The audit team identified five concerns during the audit, as described in the interim audit report. One concern, identified as a condition adverse to quality (CAQ) was HWFP WAP-related. The CAQ resulted in the issuance of CBFO Corrective Action Report (CAR) 14-006. CBFO CAR 14-006 addresses a WAP deficiency regarding the designation of a visual examination expert, as described in section 6.1.

2.0 SCOPE AND PURPOSE

2.1 Scope

The audit team evaluated the continued adequacy, implementation, and effectiveness of the SRS/CCP TRU waste characterization and certification activities for CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste.

The following general areas were audited, as required by Attachment C6, Section C6-3 of the HWFP:

- Results of Previous Audits
- Changes in Programs or Operations
- New Programs or Activities Being Implemented

- Changes in Key Personnel

The following WAP-related QA elements were audited:

- Personnel Qualification and Training
- Nonconformance Reporting
- Records

The following WAP-related waste characterization technical elements were audited:

- Data Validation and Verification (V&V) (Project- and Generation-Level)
- Solids and Soils/Gravel Sampling and Analysis (SS&A)
- Acceptable Knowledge (AK)
- Headspace Gas (HSG) Sampling and Analysis (S&A)
- Real-time Radiography (RTR)
- Visual Examination (VE)
- WIPP Waste Information System/Waste Data System (WWIS/WDS)

Evaluation of adequacy of SRS/CCP TRU waste documents was based on current revisions of the following documents:

- Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF
- DOE/CBFO-94-1012, *CBFO Quality Assurance Program Document* (QAPD)

Programmatic and technical checklists were developed to evaluate activities associated with the current revisions of the following documents:

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (QAPjP)
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- Related technical and quality assurance implementing procedures

Pursuant to an agreement reached with the New Mexico Environment Department (NMED) (reference CBFO memorandum CBFO:OQA:DSM:MAG:13-1431 dated May 30, 2013), the audit team used C6 checklists dated May 8, 2012, to evaluate chemical sampling and analysis activities performed subsequent to the last recertification audit (A-13-02, conducted in November 2012) and before the HWFP modification issued March 13, 2013, which eliminated those activities. The audit team used the C6 checklists dated March 13, 2013, to evaluate activities not associated with chemical sampling and analysis. To ensure clarity, this report identifies the instances where the May 8, 2012, C6 checklists were used.

2.2 Purpose

Audit A-14-04 was conducted to assess SRS/CCP waste characterization activities related to the certification of CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste for compliance to the HWFP WAP requirements. The audit team also evaluated specific QA elements relating to WAP requirements.

3.0 AUDIT TEAM AND OBSERVERS

AUDITORS/TECHNICAL SPECIALISTS

Dennis Miehls	Management Representative, CBFO Office of Quality Assurance
Priscilla Y. Martinez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Tammy Bowden Ackman	Auditor, CTAC
Rick Castillo	Auditor, CTAC
Katie Martin	Auditor, CTAC
Berry Pace	Auditor, CTAC
James Schuetz	Auditor, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Rhett Bradford	Technical Specialist, CTAC
Paul Gomez	Technical Specialist, CTAC
Kirk Kirkes	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC
Porf Martinez	Technical Specialist, CTAC
B. J. Verret	Technical Specialist, CTAC
Steve McGonagill	Technical Specialist, NWP

OBSERVERS

Thomas Morgan	DOE CBFO National TRU Program (NTP)
Marcus Pinzel	DOE CBFO NTP
Oba Vincent	DOE CBFO QA
Genia McKinley	DOE-EM
Herbert Crapse	DOE-SR
Coleman Smith	NMED
Connie Walker	NMED Contractor
William Walker	Savannah River Nuclear Solutions (SRNS)

4.0 AUDIT PARTICIPANTS

SRS and CCP personnel contacted during the audit are identified in Attachment 1. A pre-audit meeting was held in the SRS conference room in trailer 704-59E and via teleconference with personnel at the Skeen-Whitlock Building in Carlsbad, NM, November 13, 2013. Daily briefings were held with SRS and CCP management and staff to discuss issues and potential deficiencies. The audit was concluded with a post-

audit meeting held in the SRS conference room in trailer 704-59E and via teleconference with personnel at the Skeen-Whitlock Building in Carlsbad, NM, on November 15, 2013.

5.0 SUMMARY OF AUDIT RESULTS

5.1 Program Adequacy, Implementation, and Effectiveness

This audit was performed to assess the ability of SRS/CCP to characterize CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste for compliance with the requirements specified in the CBFO QAPD and the HWFP WAP.

The related characterization methods assessed were AK, HSG S&A, SS&A, RTR, and VE. Other areas evaluated were project-level data V&V, data quality objective (DQO) reconciliation, the preparation of Waste Stream Profile Forms (WSPFs), WWIS/WDS data entry, qualification and training, nonconformances, and records.

The audit team concluded that the applicable SRS/CCP TRU waste characterization activities, as described in the associated SRS/CCP implementing procedures, are satisfactory in meeting WAP requirements. Attachment 2 is a list of personnel contacted during the audit by subject area. Attachments 3 consist of supporting documentation for the CAR associated with this audit. Attachment 4 contains the objective evidence compiled during the audit (provided in boxes). Attachment 5 is the table of audited documents. Attachment 6 is a list of processes and equipment evaluated during the audit. Attachment 7 is the procedure revision matrix. Details of audit activities are described below.

5.2 General

5.2.1 Results of Previous Audits

The results of CBFO Recertification Audit A-13-02 of the SRS/CCP were examined and the audit team determined that the concerns identified have been addressed.

5.2.2 Changes in Program or Operations

A change in the program occurred after Audit A-13-02. This change incorporated the Class 2 permit modification approved by the NMED on March 13, 2013. HSG S&A and SS&A activities are no longer required per modification of the HWFP dated March 13, 2013; therefore, the following SRS/CCP procedures have been rendered obsolete:

- CCP-TP-003, Rev. 19, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*
- CCP-TP-056, Rev. 5, *CCP HSG Performance Demonstration Plan*
- CCP-TP-093, Rev. 17, *CCP Sampling of TRU Waste Containers*
- CCP-TP-098, Rev. 3, *CCP Installation of the NucFil HSG Sample Port*

- CCP-TP-106, Rev. 8, *CCP Headspace Gas Sampling Batch Data Report Preparation*
- CCP-TP-162, Rev. 2, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*
- CCP-TP-175, Rev. 3, *CCP Analysis of Gas Samples for VOCs by GC/MS*
- CCP-TP-180, Rev. 3, *CCP Analytical Sample Management*

NOTE: Since HSG S&A and SS&A activities were performed subsequent to Recertification Audit A-13-02 (conducted November 2012), the audit team utilized revisions of the above-mentioned procedures that were current at the time work was performed (prior to March 13, 2013).

5.2.3 New Programs or Activities Being Implemented

One new waste stream has been added to SRS inventory since Audit A-13-02. This waste stream consists of sources previously stored in standard waste boxes, which were transferred to 15- and 16-gallon containers. The Off-Site Source Recovery Program (OSRP) packaged the sources in special form capsules in 2002.

5.2.4 Changes in Key Personnel

One change in key personnel occurred since Audit A-13-02: Joshua Houghton is the new lead Site Project Manager (SPM) for the SRS/CCP. He replaced Beverly Schrock.

5.3 WAP-Related Quality Assurance Activities

5.3.1 Personnel Qualification and Training

The audit team verified that the SRS/CCP addresses the requirements of CBFO QAPD Section 1.2, Personnel Qualification and Training, as well as WAP-related requirements from Table C6-1. The audit team conducted interviews with responsible personnel and reviewed implementing procedure CCP-QP-002, Rev. 35, *CCP Training and Qualification Plan*, related to the CCP qualification and training program. The results of the review and interviews indicate that the procedures adequately address HWFP and CBFO QAPD upper-tier requirements and that the procedures are being satisfactorily implemented.

Personnel training records associated with VE, RTR, HSG S&A, AK, and site project management were examined to verify implementation of associated requirements and to verify that personnel performing characterization activities are appropriately qualified. Record reviews included qualification cards and other pertinent qualification documentation including training examinations, eye exams, and attendance sheets for AK Waste Summary Training for RTR and VE operators, test drum/training container documentation, appointment letters, and formal Resource Conservation and Recovery Act training certificates for AK experts (AKEs). The audit team determined that CCP personnel performing waste characterization activities at the project level and at the SRS are properly trained.

No WAP-related deficiencies regarding personnel qualification and training were identified. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for personnel qualification and training are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.3.2 Nonconformance Reporting

The audit team verified that the SRS/CCP complies with the requirements of CBFO QAPD Section 1.3, Quality Improvement, as well as WAP-related requirements from Table C6-1. The audit team conducted interviews with the resident Quality Assurance Engineer and reviewed implementing procedure CCP-QP-005, Rev. 22, *CCP TRU Nonconforming Item Reporting and Control,* regarding control of nonconformances. The results of the review and interviews indicate that the procedure adequately addresses HWFP and CBFO QAPD upper-tier requirements and that the procedure is being satisfactorily implemented.

The audit team randomly selected a sampling of nonconformance reports (NCRs) (NCR-RHSRS-0565-12, NCR-SRS-0180-13, NCR-SRS-0240-13, NCR-SRS-0254-13, NCR-SRS-0257-13, NCR-SRS-0237-13, NCR-SRS-0248-13, NCR-SRS-0165-13, and NCR-SRS-0174-13) to confirm that deficiencies are being appropriately documented and tracked through resolution, as required. All NCRs were verified as being managed and tracked through closure in the CCP Integrated Data Center (IDC) and in the CCP NCR Logs. The audit team determined that there were no NCRs identified during the last 12 months that documented non-administrative deficiencies, first identified at the SPM level, necessitating a report to the Permittee within seven days. The audit team verified that CCP personnel are familiar with the reporting process for implementation if necessary. Revisions 0 through 2 of NCR-SRS-0240-13 were reviewed as evidence of the NCR revision process and the audit team determined that revisions to NCRs are adequately initiated, reviewed, approved, and documented.

No WAP-related deficiencies regarding nonconformances were identified. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for quality improvement are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.3.3 Records

The audit team verified that the SRS/CCP complies with the requirements of CBFO QAPD Section 1.5, Records, as well as WAP-related requirements from Table C6-1. The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-PO-001, Rev. 21, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (section C-7, Records Management and Reporting); CCP-QP-008, Rev. 21, *CCP Records Management;* and CCP-QP-028, Rev. 15, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning,* regarding control and administration of QA records. The results of the review and interviews

indicate that the procedures adequately address HWFP and CBFO QAPD upper-tier requirements for records management. Control of QA records was verified through review of the CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013, and the RH RIDS dated 07/23/2013. The audit team evaluated the process for modifying the RIDS documents and reviewed samples of WIPP Records Inventory Work Sheets used to document scope of changes to be applied to the RIDS. The audit team determined that changes to the RIDS are adequately proposed, reviewed, approved, and performed.

No WAP-related deficiencies regarding records were identified. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for records are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.4 Technical Activities

Evaluations of applicable SRS/CCP technical activities are summarized in the following subsections.

5.4.1 Table C6-1, WAP Checklist (May 8, 2012)

As discussed in section 2.0, overall WAP activities were evaluated using WAP Checklist C6-1, dated May 8, 2012.

The audit was performed to assess the SRS/CCP ability to manage and perform TRU waste characterization and certification activities for CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste. The C6-1 WAP checklist addresses general program requirements from an overall management perspective. The general requirements checklist addresses both technical requirements and specific WAP-related QA programmatic requirements that, when collectively implemented, ensure effective overall management of TRU waste characterization and certification activities. Requirements are integrated into controlled documents to ensure the waste characterization strategy, as defined in the WAP, is accomplished and documented in accordance with controlled processes and procedures.

Technical activities evaluated, including both characterization and certification activities, consisted of data-generation and project-level data V&V, AK, RTR, VE, SS&A, and HSG S&A. Objective evidence was selected and reviewed to evaluate the implementation of the associated characterization activities. Batch data reports (BDRs), sampling records, and personnel training documentation were included in the evaluation. The audit included observation of actual waste characterization activities. Each characterization process involves:

- Collecting raw data
- Collecting quality assurance/quality control samples or information
- Reducing the data to a useable format, including a standard report

- Review of the report by the data-generation facility and the site project office
- Comparing the data against program DQOs
- Reporting the final waste characterization information to the WIPP

The flow of data from the point of generation to inclusion in the WSPF for each characterization technique was reviewed to ensure that all applicable requirements were captured in the site operating procedures. Specific procedures audited and the objective evidence reviewed is described in the following sections.

During the audit, the SRS/CCP demonstrated compliance with the waste characterization requirements of the HWFP WAP through documentation and by performing characterization activities.

Objective evidence was reviewed to verify that project-level activities were adequately performed to support waste characterization. The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-TP-001, Rev. 20 *CCP Project Level Data Validation and Verification*; CCP-TP-002, Rev. 25, *CCP Reconciliation of DQOs and Reporting Characterization Data*; CCP-TP-003, Rev. 19, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*; CCP-TP-162, Rev. 2, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*; CCP-TP-500, Rev. 13, *CCP Remote-Handled Waste Visual Examination*; and CCP-TP-005, Rev. 24, *CCP Acceptable Knowledge Documentation,* relative to project-level and random selection activities, to determine the degree to which the procedures adequately address HWFP WAP requirements. The results of the review indicate that the procedures adequately address the upper-tier requirements.

The audit team evaluated the following BDRs in support of both CH and RH waste characterization activities completed at the SRS to verify that project-level data V&V activities are performed in compliance with applicable procedural requirements.

RTR			
SR4RTR0356	SRLBR0087	SRLBR0078	SR4RTR0301
SRLBR0110	SRLBR0088		
VE			
SRSRHVE13001			
HSG			
SRHSG1228	SRHSG1301	SRHSG1304	
ECL12046M	ECL13001M	ECL13007M	
Solids			
SSG12-00007	ALD12030V	ALD12030S	ALD12030N
ALD12030M	ALD12030F	ALD12030H	SSC12-00006
ALD12031V	ALD12031S	ALD12031N	ALD12031M

The audit team reviewed four WSPFs for the following waste streams: SR-W027-773-HOM, SR-MD-SOIL, Rev. 1, SR-SDD-HET-A, and draft SR-RH-SDD.01. The WSPFs were properly completed with characterization information summaries.

The audit team verified documentation supporting random sample selections of containers for solids waste streams. The team also verified documentation supporting random sample selections of containers for HSG analysis. The team found the random sample selections for the waste streams collected since the previous audit were satisfactorily documented and adequate.

The audit team reviewed documentation of quarterly repeat reviews of data generation-level BDRs generated since the previous audit. During the first and second quarters of 2013, VE was not performed; therefore, repeat reviews of VE were not reported for those quarters. Also, no HSG sampling was performed for the second and third quarters of 2013; therefore, repeat reviews of HSG sampling were not reported for those quarters. The documentation is in proper order, complete, and adequate.

The BDRs reviewed were determined to be reported completely. The HSG samples and the solids samples were properly reported and disposed. The SRS/CCP maintains appropriate records for the solids co-located samples, properly documenting the relative percent difference and F-test.

No WAP-related deficiencies regarding project-level activities or preparation of WSPFs were identified during the audit. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for project-level data V&V activities are adequately established for compliance with HWFP WAP requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

WWIS/WDS

As discussed in section 2.0, WWIS/WDS activities were evaluated using WAP Checklist C6-1, dated May 8, 2012.

The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-TP-030, Rev. 32, *CCP CH TRU Waste Certification and WWIS/WDS Data Entry,* and CCP-TP-530, Rev. 11, *CCP RH TRU Waste Certification and WWIS/WDS Data Entry*, to determine the degree to which the procedures adequately address HWFP WAP WWIS/WDS requirements. The results of the review indicate that the procedures adequately address HWFP WAP requirements.

The audit team evaluated implementation of the CCP TRU waste certification and WWIS/WDS procedures for data entry using the WWIS/WDS data entry spreadsheet. The evaluation included data population of the spreadsheet, review of data entry, waste certification by the Waste Certification Official (WCO), submittal for WWIS review/approval, review of shipping packages, and records submittal. The audit team reviewed RH WWIS/WDS data packages for two canisters (SR0001 and SR0002) with

three internal containers each (SR501028, SR504242, SR512002, SR118870, SR5133217A, SR526627), and CH WWIS/WDS data packages for nine drums (FBL05207, FBL06202, SR32531902, MDL504472B, MDL504586B, MDL506105A, MDL0502414, MDL0502419, MDL0502428).

No WAP- related deficiencies regarding WWIS/WDS were identified during the audit. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for WWIS/WDS activities are adequately established for compliance with HWFP WAP WWIS/WDS requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.4.2 Table C6-2, Solids and Soils/Gravel Sampling Checklist (May 8, 2012)

As discussed in section 2.0, solids and soils/gravel activities were evaluated using WAP Checklist C6-2, dated May 8, 2012.

The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-TP-093, Rev. 17, *CCP Sampling of TRU Waste Containers*; CCP-TP-162, Rev. 2, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*; and CCP-TP-180, Rev. 3, *CCP Analytical Sample Management*, to determine the degree to which the procedures adequately address upper-tier requirements. The results of the review indicate that the procedures adequately address HWFP WAP requirements.

Solids and soils/gravel S&A and associated data generation-level V&V activities were performed at the Idaho National Laboratory (INL) under a separate certified program. However, the audit team did evaluate the random selection requirements for solids sampling, along with the associated BDRs for waste stream numbers SR-BCLDP.003.001 and SR-W027-321M-HOM. Additionally, the audit team evaluated the results of the analysis provided to the SRS/CCP as part of the project-level data V&V evaluations.

The SRS/CCP BDRs provided to the audit team represent the last set of data produced prior to the modification of the WIPP HWFP requiring the S&A characterization of SCGs S3000 homogeneous solids and S4000 soils/gravel wastes.

No WAP-related deficiencies regarding solids and soils/gravel S&A were identified during the audit. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for the solids and soils/gravel S&A process are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.4.3 Table C6-3 Acceptable Knowledge Checklist (May 8, 2012)

As discussed in section 2.0, AK activities were evaluated using WAP Checklist C6-3, dated May 8, 2012.

The audit team evaluated the AK process for characterizing CH TRU mixed SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH TRU mixed SCG S5000 debris waste. AK audit staff specifically addressed the WAP requirements listed on the C6-3 checklist, along with portions of the C6-1 checklist. Objective evidence was reviewed and compiled to demonstrate compliance with each of the applicable requirements on these checklists.

The AK auditors reviewed the latest revisions to the AK summary reports for five distinct waste streams representing the four respective SCGs, with the team examining two RH debris streams. The AK summary reports and respective waste stream designations are as follows: CCP-AK-SRS-12 for waste stream SR-SWMF-HET-B; CCP-AK-SRS-14 for waste stream SR-W027-321M-HOM; CCP-AK-SRS-8 for waste stream SR-MD-SOIL; CCP-AK-SRS-630 for waste stream SR-RH-SDD.01; and CCP-AK-SRS-600 for waste stream SR-RH-221H.01. In addition, WSPFs or draft WSPFs and attachments were examined.

Numerous AK source documents were reviewed to establish support for the waste stream descriptions and parameters noted in the AK summaries, particularly with respect to the assignment of hazardous waste numbers and the historical management of the containers in the waste streams. The audit team also examined the following completed attachments for the waste streams as required by CCP-TP-005: Attachment 1, *AK Documentation Checklist*; Attachment 4, *AK Information List*; Attachment 5, *AK Hazardous Constituents*; Attachment 6, *AK Waste Form, Waste Material Parameters, Prohibited Items and Packaging*, along with the justification memos for waste material parameter weight estimates; and Attachment 8, *Waste Container List*. Examples of the resolution of AK discrepancies in the AK record and discrepancy resolution at characterization, along with AK re-evaluation forms, were also reviewed and added to the AK objective evidence. WAP-compliant AK accuracy reports and results of the most recent internal surveillance were also collected and examined.

With regard to non-compliant waste containers, the auditors examined several NCRs dealing with prohibited items and compiled objective evidence of container inspection prior to characterization. The WAP-required container traceability exercise was conducted by the AK audit team for a total of seven waste containers from the five waste streams. The drums selected provided BDRs for HSG S&A, SS&A, RTR, VE and examination of the VE records process. Additional traceability documentation was collected through IDC database screenshots, AK tracking spreadsheet data, and waste container input forms. Several waste stream characterization checklists and supporting data were examined, reconciling the results of characterization with the AK record.

No WAP-related deficiencies regarding AK were identified during the audit. The procedure and document reviews provided evidence that the applicable requirements for characterizing CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste using the AK process are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.4.4 Table C6-4, Headspace Gas Checklist (May 8, 2012)

As discussed in section 2.0, HSG sampling activities were evaluated using WAP Checklist C6-4, dated May 8, 2012.

The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-TP-093, Rev. 17, *CCP Sampling of TRU Waste Containers*; CCP-TP-162, Rev. 2, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*; CCP-PO-005, Rev. 23, *CCP Conduct of Operations*; CCP-TP-106, Rev. 8, *CCP Headspace Gas Sampling Batch Data Report Preparation*; and CCP-QP-016, Rev. 18, *CCP Control of Measuring and Testing Equipment,* to determine the degree to which the procedures address upper-tier requirements. The procedures were found to be compliant with upper-tier requirements. SRS/CCP performs HSG sampling using SUMMA® canisters for sample collection. Samples are then shipped to INL for analysis. The results of the review indicated that they adequately address HWFP WAP requirements.

The audit team verified the BDRs for the sampling of HSG from containers at the SRS/CCP facilities. The data assembled into the BDRs support 15 various debris waste streams. The sampling data was complete and accurate concerning the details of the reports. BDRs verified by the audit team are listed below:

SRHSG1223	SRHSG1224	SRHSG1225	SRHSG1226
SRHSG1227	SRHSG1228	SRHSG1229	SRHSG1301
SRHSG1303			

No NCRs were generated for HSG sampling concerning the containers sampled in support of these BDRs. The SRS/CCP sampling personnel were verified to be compliant with required training for both operations and independent technical reviews. The completed BDRs were verified by the audit team for quality assurance and quality control sampling and reporting. Chain-of-custody, sample tags, needle blank results, container data, and temperature equilibration information was verified for each BDR. The audit team did not identify any deficiencies in the BDRs reviewed at the data generation level. Equipment cleanliness documentation was verified to be complete and reported. The proper drum age criteria were reported for the containers in each BDR. No containers were sampled outside the drum age criteria.

No WAP-related deficiencies regarding HSG S&A were identified during the audit. The procedures reviewed and objective evidence assembled and evaluated during the audit provided evidence that the applicable requirements for characterizing CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste using the HSG S&A process are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effective in achieving the desired results.

5.4.5 Table C6-3, Radiography Checklist (March 13, 2013)

As discussed in section 2.0, RTR activities were evaluated using WAP Checklist C6-3, dated March 13, 2013.

The audit team evaluated the continued adequacy, implementation, and effectiveness of SRS/CCP activities to characterize and certify CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste using the RTR characterization process.

The audit team conducted interviews with responsible personnel and reviewed implementing procedures CCP-QP-002, Rev. 35, *CCP Training and Qualification Plan*; CCP-TP-028, Rev. 8, *CCP Radiographic Test Drum and Training Container Construction*; CCP-TP-053, Rev. 14, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*; CCP-TP-074, Rev. 6, *CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure*; CCP-TP-075, Rev. 1, *CCP RTR #15 Operating Procedure*; and CCP-TP-145, Rev. 4, *CCP RTR #4 Operating Procedure*, related to RTR activities, to determine the degree to which the procedures adequately address upper-tier requirements. The results of the review indicate that they adequately address HWFP WAP requirements.

The audit team examined the following CH RTR BDRs:

SR4RTR0301	SR4RTR0318	SR4RTR0327
SRSRTR0356	SRLBR0074	SRLBR0094

The audit team examined the following RH RTR BDRs:

SR4RTR0275	SRLBR0110

The audit team evaluated RTR operator required test and training drum audio/video media for four RTR operators. Additionally, records of RTR operator training and qualification were examined, including test and training drum documentation. The audit team confirmed that RTR operators were appropriately qualified as required for compliance with training requirements.

The audit team observed the RTR characterization process at the SRS Solid Waste Materials Facility (SWMF), Area E, Cell 2, for CH container HMSF001191 using the Large Container RTR Unit. No RTR characterization activities were being performed on RTR Unit 4, located in TRU-Pad 4. The audit team performed walk-downs on each of the units to verify required equipment and associated components. Both RTR units contained the components required by the WAP to effectively characterize CH and RH SCGs subject to the scope of the audit.

The audit team interviewed RTR operators, verified the use of current RTR operating procedures and AK summary reports, and reviewed associated logbooks to verify

entries were appropriately logged and Vendor Project Manager reviews were being performed as required.

No WAP-related deficiencies regarding RTR were identified during the audit. The procedure reviews, field observations, and reviews of related documents and records provided evidence the applicable requirements for characterizing CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste using the RTR process are adequately established for compliance with upper-tier requirements, satisfactory in the implementation of these requirements, and effectively implemented for achieving the desired results.

5.4.6 Table C6-4 Visual Examination Checklist (March 13, 2013)

As discussed in section 2.0, VE activities were evaluated using WAP Checklist C6-4, dated March 13, 2013.

The audit team evaluated the continued adequacy, implementation, and effectiveness of the SRS/CCP activities for characterizing CH SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes, and RH SCG S5000 debris waste using VE. Since the last recertification audit (A-13-02), the only VE activity performed was VE of record for RH SCG S5000 debris waste consisting of plutonium-beryllium sources identified as waste stream SR-RH-SDD.01. No VE activities associated with CH waste had been performed since the last recertification audit.

The following procedures governing VE were reviewed during the course of the audit: CCP-TP-113, Rev. 18, *CCP Standard Contact-Handled Waste Visual Examination;* CCP-TP-163, Rev. 4, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records;* CCP-TP-500, Rev. 13, *CCP Remote-Handled Waste Visual Examination*, relative to VE activities, to determine the degree to which procedures adequately address upper-tier requirements. The results of the review indicate that they adequately address HWFP WAP requirements.

As mentioned above, VE activities conducted since the last recertification audit consisted of the VE of records generated by OSRP personnel in 2002 when three plutonium-beryllium neutron sources were packaged in stainless-steel special form capsules (SFCs). Additionally, CCP performed VE of the SFCs in accordance with CCP-TP-500 when the sources were transferred from standard waste boxes and individually placed into two 15-gallon drums and one 16-gallon drum, as documented in BDR #SRSRHVE13001.

The audit team reviewed the training/qualification records for VE personnel for both CH and RH VE and determined that personnel are appropriately trained and qualified. One concern was identified during the audit. The CAQ involved the appointment of an RH VE expert. No evidence could be provided to confirm that a VE expert had been appointed at the time VE activities documented in BDR #SRSRHVE13001 were being conducted (see CAR 14-006).

Although one CAQ was identified during the audit, the audit team concluded that based on the procedures reviewed and objective evidence assembled, the requirements for VE are adequately established for compliance with applicable upper-tier requirements and effectively implemented.

6.0 CORRECTIVE ACTIONS, OBSERVATIONS, AND RECOMMENDATIONS

6.1 Corrective Action Reports

During the audit, the audit team may identify conditions adverse to quality (CAQs), as defined below, and document such conditions on corrective action reports (CARs).

> Condition Adverse to Quality (CAQ) – Term used in reference to any of the following: failures, malfunctions, deficiencies, defective items, nonconformances, and technical inadequacies.
>
> Significant Condition Adverse to Quality – A condition which, if uncorrected, could have a serious effect on safety, operability, waste confinement, TRU waste site certification, regulatory compliance demonstration, or the effective implementation of the QA program.

One CAQ, necessitating the issuance of CBFO CAR 14-006, resulted from Audit A-14-04.

CAR 14-006

Evidence could not be provided to confirm that a VE expert had been appointed at the time VE activities documented in BDR #SRSRHVE13001 were being conducted.

6.2 Deficiencies Corrected During the Audit

During the audit, the audit team may identify CAQs. Audit team members, the audit team leader (ATL), and the CBFO QA representative evaluate the CAQs to determine if they are significant. Once a determination is made that the CAQ is not significant, the audit team member, in conjunction with the ATL and the CBFO QA representative, determines if the CAQ is an isolated case requiring only remedial action and therefore can be corrected during the audit. Upon determination that the CAQ is isolated, the audit team member, in conjunction with the ATL and the CBFO QA representative, evaluates/verifies any objective evidence/actions submitted or taken by the audited organization and determines if the condition was corrected in an acceptable manner. Once it has been determined that the CAQ has been corrected, the CBFO QA representative categorizes the condition as corrected during audit (CDA) according to the definition below.

> CDAs – Isolated deficiencies that do not require a root cause determination or actions to preclude recurrence. Correction of the deficiency can be verified prior to the end of the audit. Examples include one or two minor changes required to correct a procedure (isolated), one or two forms not signed or not dated

(isolated), and one or two individuals that have not completed a reading assignment.

No WAP-related CDAs were issued during this audit.

6.3 Observations

During the audit, the audit team may identify potential problems that should be communicated to the audited organization. The CBFO QA representative evaluates these conditions and classifies them as Observations using the following definition:

Observation – A condition that, if not controlled, could result in a CAQ.

Once a determination is made, the CBFO QA representative categorizes the condition appropriately.

No WAP-related Observations were identified during the audit.

6.4 Recommendations

During the audit, the audit team may identify suggestions for improvement that should be communicated to the audited organization. The CBFO QA representative and the ATL evaluate these conditions and classify them as Recommendations using the following definition:

Recommendations – Suggestions that are directed toward identifying opportunities for improvement and enhancing methods of implementing requirements.

Once a determination is made, the CBFO QA representative categorizes the condition appropriately.

No WAP-related Recommendations were identified during this audit.

7.0 LIST OF ATTACHMENTS

Attachment 1: Personnel Contacted During the Audit
Attachment 2: Personnel Contacted During the Audit by Subject Area
Attachment 3: Corrective Action Report (CAR) Supporting Documentation
Attachment 4: Objective Evidence Compiled During the Audit (provided in boxes)
Attachment 5: List of Audited Documents
Attachment 6: List of Processes and Equipment Evaluated During the Audit
Attachment 7: Procedure Revision Matrix

PERSONNEL CONTACTED DURING AUDIT A-14-04				
NAME	**TITLE/ORG**	**PREAUDIT MEETING**	**CONTACTED DURING AUDIT**	**POST AUDIT MEETING**
Adams, James	VE & FGA; NFT/CCP	X	X	
Barr, Sean	RPD FM; RPD	X		
Billett, Michele	Training Coordinator; NTPC Training		X	
Blackwell, Denise	Records Analyst; CCP/Stoller		X	
Brookshire, John	RTR Operator; VJT/NWP		X	
Crapse, Bert	TRU Program Manager; DOE-SR	X	X	X
Davis, Will	CM/VE; NFT	X	X	
Fisher, A.J.	Support Service Manager; NWP/CCP			X
Fox, Lee	STR; SRNS	X	X	X
Gelderman, Byron	RTR Operator; VJT/NWP	X	X	
Gulbransen, Ed	NTP Certification Manager; NWP/CCP		X	X
Harley, Anthony	VE Operator; CCP		X	
Harrison, Jeff	AKE; Tech Specs/CCP	X	X	X
Houghton, Joshua	SPM; NWP/CCP		X	X
Jones, Laura	NCR Coordinator; NWP/CCP		X	
Joo, Irene	RH PM; NWP/CCP	X	X	X
Kareis, Georgia N.	RTR SME & Lead Operator; VJT/NWP/CCP	X	X	
Kirkes, Creta	WCO; NWP/CCP		X	
Knox, Jake	NWP/CCP		X	
Ledford, Wayne	QA Specialist; NWP/QA		X	X
Lee, Ronnie	SRS PM; NWP/CCP	X	X	X
Mooneyhan, Verne	SW FM; SRNS	X		
Muse, Steve	QA Engineer; NWP/CCP	X	X	
Pearcy, Mark	SPM; NWP/CCP		X	X
Pearcy, Sheila	Records Manager; CCP/Stoller		X	X
Peters, Kevin	AKE; CCP	X	X	X

PERSONNEL CONTACTED DURING AUDIT A-14-04				
NAME	**TITLE/ORG**	**PREAUDIT MEETING**	**CONTACTED DURING AUDIT**	**POST AUDIT MEETING**
Pinzel, Marcus	RH Manager; DOE-CBFO	X	X	X
Ramirez, Mike	WCO/WWIS/WDS Manager; NWP/CCP		X	
Rodriguez, Al	OPS FLM; SRNS/OPS	X		
Rowland, Bruce	OPS FLM; OPS	X		
Schrock, Beverly	SPM; NWP/CCP			X
Sensibaugh, Michael	CCP Operations Manager; NWP/CCP		X	
Sexton, Chris	M&TE Coordinator; NTP		X	
Tilmon, Pat	VPM; NWP/CCP	X	X	X
Watson, Lisa	AKE; LANL/CCP	X	X	X

PERSONNEL CONTACTED DURING THE AUDIT BY AREA

Training	Michele Billett
Nonconformances	Laura Jones Steve Muse
Records	Denise Blackwell Sheila Pearcy
Acceptable Knowledge	Jeff Harrison Kevin Peters Irene Joo Joshua Houghton Lisa Watson
Headspace Gas	Joshua Houghton
Real-Time Radiography	Bryan Gelderman Georgia Kareis John Brookshire
Visual Examination	James Adams Anthony Harley Irene Joo Mark Pearcy Michael Sensibaugh Wayne Ledford
WIPP Waste Information System/Waste Data System (WWIS/WDS)	Creta Kirkes Mike Ramirez
Waste Certification/Project Level Validation & Verification	Joshua Houghton Michael Sensibaugh

CAR Supporting Documentation

The CAR documentation supporting Audit A-14-04 is included in the box(es) submitted with this report. Included in the box(es) is a "Content Map" describing the location (using color coding) and identity of all required objective evidence supporting the performance of the audit.

CAR1

Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

NOV 2 6 2013

Mr. D. E. Gulbransen, Manager
National TRU Program Certification
Nuclear Waste Partnership, LLC
P.O. Box 2078
Carlsbad, NM 88221-2078

Subject: Issuance of CAR 14-006 Identified During Audit A-14-04

Dear Mr. Gulbransen:

The Carlsbad Field Office performed Recertification Audit A-14-04 of the Savannah River Site Central Characterization Program waste characterization activities on November 13 – 15, 2013. Enclosed is Corrective Action Report (CAR) 14-006 addressing the condition adverse to quality identified during the audit.

Please provide a documented response for the CAR, ensuring that the required actions indicated in Block 12 are addressed, including schedules for completion. Please return your responses to me on or before the due date identified in Block 14a.

If you have any questions, please contact me at (575) 234-7491.

Sincerely,

Dennis S. Miehls
Senior Quality Assurance Specialist

Enclosure

cc: w/enclosure

O. Vincent, CBFO	*ED
J.R. Stroble, CBFO	ED
M. Navarrete, CBFO	ED
T. Morgan, CBFO	ED
N. Castaneda, CBFO	ED
D. Moody, DOE-SR	ED
H. Crapse, DOE-SR	ED
F. Sharif, NWP	ED
T. Reynolds, NWP/CCP	ED
V. Cannon, NWP/CCP	ED
A.J. Fisher, NWP/CCP	ED
I. Joo, NWP/CCP	ED
M. Walker, NWP/CCP	ED
W. Ledford, NWP/CCP	ED
J. Carter, NWP/CCP	ED
J. Hoff, NWP/QA	ED
B. Allen, NWP/QA	ED
S. Punchios, NWP/QA	ED
S. Escareno-Soto, NWP/QA	ED
T. Peake, EPA	ED
L. Bender, EPA	ED
E. Feltcorn, EPA	ED
R. Joglekar, EPA	ED
S. Ghose, EPA	ED
R. Lee, EPA	ED
J. Kieling, NMED	ED
T. Kliphuis, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
C. Smith, NMED	ED
J. Harvill, CTAC	ED
R. Allen, CTAC	ED
B. Pace, CTAC	ED
M. Pearcy, NWP/CCP	ED
P. Hinojos, CTAC	ED
G. White, CTAC	ED
Site Documents	ED
CBFO QA File	
CBFO M&RC	

*ED denotes electronic distribution

CBFO Form 3.1-1

CORRECTIVE ACTION REPORT

1. CAR No.: 14-006	2. Activity Report No.: A-14-04	3. Page 1 of 2
4. Controlling document: CCP-PO-001	5. CBFO Assessment Team Leader: Dennis S. Miehls	
6. Responsible organization: NWP/CCP		
7a. CAQ/CAR Owner (Office Director): N/A	7b. CAQ was discussed with: M. Pearcy	

8. Requirement that is involved:
See CAR Continuation Sheet

9. Condition Adverse to Quality (CAQ):
See CAR Continuation Sheet

10. Suggested actions (Optional):
N/A

11a. Significant CAQ? (If 'Yes', go to block 15b)	Yes ☐	No ☒	12. Type of actions required:		
11b. Work Suspension recommended? (If 'Yes', go to block 15b)	Yes ☐	No ☒	Remedial?	Yes ☒	No ☐
11c. RCRA related?	Yes ☒	No ☐	Investigative?	Yes ☒	No ☐
11d. Accelerated corrective action required? (If 'Yes', go to block 15b)	Yes ☒	No ☐	Root Cause Determination?	Yes ☒	No ☐
11e. Does this CAQ affect waste streams BNINW216 or BNINW218?	Yes ☐	No ☒	Actions to Preclude Recurrence?	Yes ☒	No ☐

13a. Trend Code: TQ-06	13b. CAR Initiator: Barry D. Pace (printed name)	Date: 11/20/13
14a. Response due date: 12-10-13		
14b. Required corrective action completion date: 12-26-13		
15. Concurrence:		
a. Assessment Team Leader (if applicable): Dennis S. Miehls (printed name)		Date: 11-25-13
b. CBFO Quality Assurance Director: OBA L VINCENT (printed name)		Date: 11-25-13
16. Acceptance of Proposed Corrective Actions: Dennis S. Miehls (printed name)		Date: 12-13-13
17. Acceptance of Corrective Action Completion: Dennis S. Miehls (printed name)		Date: 1-6-14
18. Closure: Michael Rowen Beaver (printed name)		Date: 1/6/2014

CBFO Form 3.1-2

CAR CONTINUATION SHEET

1. **CAR No:** 14-006	2. **Activity No:** A-14-04	3. **Page** 2 **of** 2.

Block 8. Requirement that is involved:

CCP-PO-001, Section C1-2; *The SPM designates VE experts. Designated VE experts are familiar with the waste-generating processes that have taken place at the site and waste types for wastes being characterized at a particular site. VE experts are responsible for the overall direction and implementation of VE activities for the CCP at that site. VE experts meet the qualification and training requirements specified in CCP-QP-002 and make decisions based on training, previous experience, and knowledge of the waste stream.*

(Ref. HWFP Section C1-2)

Block 9. Condition Adverse to Quality (CAQ):

Evidence could not be provided to confirm the appointment of a Visual Examination Expert during the time-frame in which VE was performed on the plutonium-beryllium sources in BDR #SRSRHVE13001.

DIVIDER PAGE

DOE F 1325.8

United States Government **Department of Energy**

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: NOV 27 2013

REPLY TO ATTN OF: CBFO:OQA:DM:LC:13-2309:UFC 2300.00

SUBJECT: Evaluation of Impact for Accelerated CAR 14-006

TO: Mr. J.R. Stroble, Director, Office of the National TRU Program

Attached for your review is accelerated Corrective Action Report (CAR) 14-006, identified as a result of Recertification Audit A-14-04 of the Savannah River Site Central Characterization Program waste characterization activities. The audit was performed November 13 – 15, 2013.

Your written evaluation of the impact of this accelerated CAR is required per section 5.9 of Carlsbad Field Office Management Procedure 3.1, Rev. 12, *Corrective Action Reports.*

If you have any questions, please contact me at (575) 234-7525.

Oba L. Vincent, Acting Director
Office of Quality Assurance

Attachment

cc: w/attachment

D. Miehls, CBFO	*ED
P. Hinojos, CTAC	ED
G. White, CTAC	ED
B. Pace, CTAC	ED
WIPP Operating Record	ED
CBFO QA File	
CBFO M&RC	

*ED denotes electronic distribution

CBFO Form 3.1-1

CORRECTIVE ACTION REPORT

1. CAR No.: 14-006	2. Activity Report No.: A-14-04	3. Page 1 of 2
4. Controlling document: CCP-PO-001	5. CBFO Assessment Team Leader: Dennis S. Miehls	
6. Responsible organization: NWP/CCP		
7a. CAQ/CAR Owner (Office Director): N/A	7b. CAQ was discussed with: M. Pearcy	

8. Requirement that is involved:
See CAR Continuation Sheet

9. Condition Adverse to Quality (CAQ):
See CAR Continuation Sheet

10. Suggested actions (Optional):
N/A

11a. Significant CAQ? (If 'Yes', go to block 15b)	Yes ☐	No ☒	12. Type of actions required:		
11b. Work Suspension recommended? (If 'Yes', go to block 15b)	Yes ☐	No ☒	Remedial?	Yes ☒	No ☐
11c. RCRA related?	Yes ☒	No ☐	Investigative?	Yes ☒	No ☐
11d. Accelerated corrective action required? (If 'Yes', go to block 15b)	Yes ☒	No ☐	Root Cause Determination?	Yes ☒	No ☐
11e. Does this CAQ affect waste streams BNINW216 or BNINW218?	Yes ☐	No ☒	Actions to Preclude Recurrence?	Yes ☒	No ☐

13a. Trend Code: TQ-06

13b. CAR Initiator: Barry D. Pace (printed name) Barry D. Pace — Date: 11/20/13

14a. Response due date: 12-10-13

14b. Required corrective action completion date: 12-26-13

15. Concurrence:

a. Assessment Team Leader (if applicable): Dennis S. Miehls (printed name) Dennis S. Miehls — Date: 11-25-13

b. CBFO Quality Assurance Director: (printed name) OBAL VINCENT — Date: 11-25-13

16. Acceptance of Proposed Corrective Actions: (printed name) — Date:

17. Acceptance of Corrective Action Completion: (printed name) — Date:

18. Closure: (printed name) — Date:

CBFO Form 3.1-2

CAR CONTINUATION SHEET

1. **CAR No:** 14-006	2. **Activity No:** A-14-04	3. **Page** 2 **of** 2.

Block 8. Requirement that is involved:

CCP-PO-001, Section C1-2; *The SPM designates VE experts. Designated VE experts are familiar with the waste-generating processes that have taken place at the site and waste types for wastes being characterized at a particular site. VE experts are responsible for the overall direction and implementation of VE activities for the CCP at that site. VE experts meet the qualification and training requirements specified in CCP-QP-002 and make decisions based on training, previous experience, and knowledge of the waste stream.*

(Ref. HWFP Section C1-2)

Block 9. Condition Adverse to Quality (CAQ):

Evidence could not be provided to confirm the appointment of a Visual Examination Expert during the time-frame in which VE was performed on the plutonium-beryllium sources in BDR #SRSRHVE13001.

DIVIDER

PAGE

DOE F 1325.8

United States Government **Department of Energy**

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: DEC - 4 2013

REPLY TO ATTN OF: CBFO:NTP:JRS:GL:13-0797:UFC 5900.00

SUBJECT: NTP Response to Evaluation of Impact for Accelerated CAR 14-006

TO: Oba Vincent, Acting Director, Office of Quality Assurance

The Office of the National Transuranic Program (NTP) has reviewed Corrective Action Report (CAR) 14-006. Based on the finding that this CAR should receive Accelerated Corrective Action, the NTP has evaluated the impact of this CAR in accordance with CBFO MP 3.1, Section 5.9. Specifically, the NTP evaluation of CARs requiring accelerated corrective action ensures that the NTP has evaluated waste received by the Waste Isolation Pilot Plant (WIPP) and waste awaiting shipment to WIPP, including a determination of whether waste shipments from the Transuranic (TRU) waste site should be suspended.

As noted in CAR 14-006, the finding was determined not to represent a Significant Condition Adverse to Quality (block 11a), and no Work Suspension was recommended (block 11b).

The CAR finding states that "Evidence could not be provided to confirm the appointment of a Visual Examination (VE) Expert during the timeframe in which VE was performed on the plutonium-beryllium sources in BDR #SRSRHVE13001."

The Central Characterization Program (CCP) Transuranic Waste Characterization Quality Assurance Project Plan (QAPjP), CCP-PO-001, Revision 21, section C1-2, describes the VE process using two VE Operators, and the training required of the operators. CCP-PO-001, section C1-2 also discusses the designation of the VE Expert: "The Site Project Manager (SPM) designates the VE experts. Designated VE experts are familiar with the waste-generating processes that have taken place at the site and waste types for waste being characterized at a particular site. VE experts are responsible for the overall direction and implementation of VE activities for the CCP at that site. VE experts meet the qualification and training requirements specified in CCP-QP-002 and make decisions based on training, previous experience, and knowledge of the waste stream." While the training and qualification of the two VE operators has been ascertained, CAR 14-006 notes that for this evolution, the VE Expert had not been designated as required by the SPM.

NTP agrees that this finding represents a condition requiring accelerated corrective action, and pending the resolution of the corrective actions of CCP, provides the following evaluation of impact in accordance with CBFO MP 3.1, section 5.9:

- NTP has determined that no waste received or awaiting shipment from the Savannah River Site (SRS) is related to this waste stream. The waste stream in this instance has not been reviewed through the U.S. Environmental Protection Agency (EPA) Tier 1 approval process and is not eligible to ship.

- NTP does not recommend suspension of waste shipments from SRS. In this case, the VE operators that performed the work were qualified to perform the VE on this waste stream at SRS. The evolution required VE of the transfer of three special form capsules from Standard Waste Box storage into the containers that will be loaded into the Removable Lid Canister to ship in a 72-B cask. The SRS VE Expert usually assigned to the site did not participate in this evolution and was not briefed on the Acceptable Knowledge (AK) Summary Report. CCP Training discovered that the VE Expert assigned to the evolution was not properly appointed to the position IAW CCP-PO-001, C1-2 prior to the work. After ensuring the VE expert had all required training prior to the evolution, aside from the proper appointment, the training record was completed after the VE was complete. The SPM appointment of the VE expert prior to performing the work did not affect the actual work which was performed. No other findings concerning waste shipments from SRS have been noted.

If you have any questions, please contact Tom Morgan at (575) 234-7462.

J.R. Stroble

J.R. Stroble, Director
Office of the National TRU Program

CBFO:NTP:JRS:GL:13-0797:UFC 5900.00

cc:

J.R. Stroble, CBFO	* ED
N. Castaneda, CBFO	ED
D. Miehls, CBFO	ED
T. Morgan, CBFO	ED
M. Navarrete, CBFO	ED
M. Pinzel, CBFO	ED
O. Vincent, CBFO	ED
D. Moody, DOE-SR	ED
H. Crapse, DOE-SR	ED
B. Allen, NWP	ED
V. Cannon, NWP	ED
J. Carter, NWP	ED
S. Escareno-Soto, NWP	ED
A. J. Fisher, NWP	ED
J. Hoff, NWP	ED
I. Joo, NWP	ED
W. Ledford, NWP	ED
R. Lee, NWP	ED
M. Pearcy, NWP	ED
S. Punchios, NWP	ED
T. Reynolds, NWP	ED
F. Sharif, NWP	ED
M. Walker, NWP	ED
T. Peake, EPA	ED
L. Bender, EPA	ED
E. Feltcorn, EPA	ED
S. Ghose, EPA	ED
R. Joglekar, EPA	ED
R. Lee, EPA	ED
J. Kieling, NMED	ED
T. Kliphuis, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
C. Smith, NMED	ED
J. Harvill, CTAC	ED
R. Allen, CTAC	ED
P. Hinojos, CTAC	ED
B. Pace, CTAC	ED
G. White, CTAC	ED

CBFO M&RC

*ED denotes electronic distribution

CBFO:NTP:JRS:GL:13-0797:UFC 5900.00

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COTY

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01584
UFC:2300.00

December 10, 2013

Mr. Dennis S. Miehls
Senior Quality Assurance Specialist
Carlsbad Field Office
U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

Subject: CORRECTIVE ACTION PLAN FOR CBFO CORRECTIVE ACTION REPORT 14-006

Reference: CBFO Memorandum CBFO:OQA:DM:CC:13-2306:UFC:2300.00 from Mr. Dennis S. Miehls to Mr. D. E. Gulbransen, dated November 26, 2013, subject: Issuance of CAR 14-006 Identified During Audit A-14-04

Dear Mr. Miehls:

Enclosed is the Corrective Action Plan (CAP) for Corrective Action Report (CAR) 14-006. This CAR was issued as a result of CBFO Audit A-14-04 of the Savannah River Site Central Characterization Program waste characterization activities; the audit was conducted during the period of November 13-15, 2013.

Should you have any questions or need additional information, please contact me at Extension 7128.

Sincerely,

D. E. Gulbransen, Manager
National TRU Program Certification
Central Characterization Program

AJF:jmc

Enclosure

D Miehls w/ 0 enc

UNIQUE DOCUMENT		DATE RECVD	ADDRESSEE
1303014	2300.00	DEC 12 2013	N Castaneda T. Morgan JR Stroble Durham P.H. Hinojos

cc: N. I. Castaneda, CBFO
T. Morgan, CBFO
J. R. Stroble, CBFO
O. A. Vincent, CBFO
P. Hinojos, CTAC
P. Y. Martinez, CTAC

Corrective Action Plan for CBFO CAR 14-006
Visual Examination Expert Appointment at Savannah River Site

A. Corrective Action Plan

Corrective Action Report (CAR) 14-006 identified one (1) condition adverse to quality: evidence could not be provided to confirm the appointment of a Visual Examination Expert during the timeframe in which VE was performed on the plutonium-beryllium sources in one Batch Data Report. In accordance with the CBFO direction for this CAR, NTPC has addressed Remedial Actions, Investigative Actions, Root Cause Determination, and Actions to Preclude Recurrence.

Condition Adverse to Quality

"*Evidence could not be provided to confirm the appointment of a Visual Examination Expert during the timeframe in which VE was performed on the plutonium-beryllium source in BDR #SRSRHVE13001.*"

1. Remedial Actions Taken

a) NTPC has confirmed that, with one exception, Visual Examination Experts (VEEs) have been assigned for CH and RH VE operations throughout the complex and current appointment letters are available in NTPC Training. The single exception was discovered at INTEC, where VE has historically been conducted at two facilities: VEEs have been appointed for facility CPP-659, where most of the VE is now conducted, but not for facility CPP-666, which has not been used since 2012 (but will be used in the future).

b) The two VE operators who performed VE at CPP-666 are the same two operators appointed at VEEs at CPP-659. These two VE operators have now been appointed as VEEs for CPP-666.

2. Investigative Actions

Extent

As noted in the Remedial Action section of this Corrective Action Plan, the extent is limited to the condition described in the CAR and VE at CPP-666 [INTEC] in 2012.

Impact

NTPC has confirmed that no waste received or awaiting shipment from SRS is related to this waste stream. The waste stream has not been reviewed through the U.S. Environmental Protection Agency Tier 1 approval process and is not eligible to be shipped to WIPP.

The VE operators who performed the characterization were provided the briefing on the Acceptable Knowledge Summary Report of the waste stream. The VE operators did not have any questions about the VE of the three sealed sources that would have required them to consult a VEE. NTPC Training discovered that the VEE had not been appointed to the position prior the work being performed. After ensuring that the VEE had all required training prior to the VE evolution, the LOQI was updated (but only after the work had been performed). The newly-appointed VEE was one of the VE operators who performed VE on the sealed sources.

For CPP-666, the two VE operators that performed VE are the same two operators appointed as VEEs for CPP-659. Both operators had been briefed on the AK for the VE performed in CPP-666 at the time they did the work, and have now been appointed at VEEs for the facility.

For the above reasons, there was no technical impact from the CAR condition or the lack of an appointed VEE for CPP-666 at INTEC.

3. Root Cause Determination

For day-to-day activities at host locations, NTPC characterization teams are fully supported by the infrastructure and resources needed to ensure that all requirements are met. In this case, the activity was conducted over the course of a single day, using resources brought in from other host locations to work on a very small waste stream consisting of three sealed sources. NTPC was focused on those who would actually be performing the work, and properly verified that VE operator qualifications were current per the List of Qualified Individuals (LOQI). However, NTPC failed to ensure that resources were in place to meet requirements at the secondary level: i.e., the availability of a VEE for the scope of work to be performed. The SRS VEE usually assigned to the facility did not participate in the evolution and had not been briefed on the AK Summary Report. The fact that the VEE is not required to actually perform the work or sign the BDR may have contributed to the CAR condition.

At the time when a properly-briefed VEE was added to the LOQI after VE of the sealed sources was completed, NTPC did not report as a deficiency the fact that the SRS VEE usually assigned to the facility had not been briefed on AK. This was because there was no consensus within NTPC that VEEs had to be briefed on each applicable AK. It was not until after the problem had been identified during the audit that NTPC met with a Senior Technical Advisor in the Regulatory Environmental Services organization and received a definitive determination. At the time, NTPC considered that it was simply replacing one acceptable VEE with a preferred VEE.

CCP-PO-005, *CCP Conduct of Operations*, Section 4.1, currently requires that the Vendor Project Manager (VPM) perform a daily verification that personnel are qualified to perform their assigned duties by reviewing the current LOQI for the specific location. CCP-PO-005 does not currently require that the VPM verify the availability of a VEE to support planned VE activities: had a check of this nature been part of their LOQI reviews, the CAR condition would not have materialized.

These same controls, had they been in place at the time VE was performed at CPP-666 in 2012, would have ensured that a VEE would have been appointed for the work. As it was, the failure to appoint a VEE for CPP-666 was due to lack of attention to detail by management.

4. Actions to Preclude Recurrence

a) NTPC has issued Standing Order CCP-SO-108 to revise CCP-PO-005 to include a requirement for the VPM to verify that a VEE is shown as available on the LOQI, for the facility where VE will be performed, before the work is performed, and that the VEE has been briefed on the applicable AK. The Standing Order will remain in force until CCP-PO-005 is revised to incorporate it.

b) The LOQIs have historically denoted the VEEs for each facility. In response to this CAR, the LOQIs have now been enhanced to make it easier for VPMs to check that a VEE has been appointed to the facility where VE activities will be performed, and that the VEE has been briefed on the applicable AK.

Responsible Individual: Irene Joo

Responsible NTPC Manager: Irene Joo

Anticipated Completion Date: All actions are complete as of the date of this CAP.

Corrective Action Plan Approval:

D. E. Gulbransen
Manager, National TRU
Program Certification

DEG
Signature

12/10/13
Date

DIVIDER PAGE

Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

DEC 1 3 2013

Mr. D.E. Gulbransen, Manager
National TRU Program Certification
Nuclear Waste Partnership, LLC
P.O. Box 2078
Carlsbad, New Mexico 88221-2078

Subject: Evaluation and Acceptance of the CAP for CBFO CAR 14-006 Resulting From Recertification Audit A-14-04, Savannah River Site Central Characterization Program

Dear Mr. Gulbransen:

Enclosed are the results of the Carlsbad Field Office (CBFO) evaluation of the Corrective Action Plan (CAP) associated with CBFO Corrective Action Report (CAR) 14-006. The results of the review indicate that the CAP is acceptable, as documented on the enclosed CAR Continuation Sheet. Please provide notification and evidence supporting completion of the corrective actions detailed in the CAP so that verification may be performed.

If you have questions concerning CAR 14-006, please contact me at (575) 234-7491.

Sincerely,

D. S. Miehls

Dennis S. Miehls
Senior Quality Assurance Specialist

Enclosure

cc: w/enclosure

J.R. Stroble, CBFO	* ED
O. Vincent, CBFO	ED
M. Brown, CBFO	ED
M. Navarrete, CBFO	ED
T. Morgan, CBFO	ED
N. Castaneda, CBFO	ED
M. Pinzel, CBFO	ED
H. Crapse, DOE-SRS	ED
F. Sharif, NWP	ED
T. Reynolds, NWP/CCP	ED
V. Cannon, NWP/CCP	ED
A. J. Fisher, NWP/CCP	ED
M. Walker, NWP/CCP	ED
W. Ledford, NWP/CCP	ED
C. Simmons, NWP/CCP	ED
J. Carter, NWP/CCP	ED
J. Hoff, NWP/QA	ED
B. Allen, NWP/QA	ED
S. Punchios, NWP/QA	ED
S. Escareno-Soto, NWP/QA	ED
L. Bender, EPA	ED
R. Lee, EPA	ED
R. Allen, CTAC	ED
P. Martinez, CTAC	ED
P. Hinojos, CTAC	ED
G. White, CTAC	ED
Site Documents	ED
CBFO QA File	
CBFO M&RC	

*ED denotes electronic distribution

CBFO:OQA:DSM:MAG:13-2324:UFC 2300.00

CBFO Form 3.1-2

CAR CONTINUATION SHEET

1. CAR No: 14-006	2. Activity No: A-14-04	3. Page 1 of 3

Block #16 Acceptance of Proposed Corrective Actions:

An evaluation was performed of the Corrective Action Plan (CAP) developed to address Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 14-006. The CAP was submitted via Nuclear Waste Partnership LLC letter CP:13:01584 UFC:2300.00, dated December 10, 2013, from Mr. D. E. Gulbransen, Manager, National TRU Program Certification (NTPC), to Mr. Dennis S. Miehls, Senior Quality Assurance Specialist, CBFO Office of Quality Assurance.

Italicized text, taken verbatim from the CAP, is used to reflect the correlation between the actions required by the CAR and the method used for evaluation.

REMEDIAL ACTIONS

a) *NTPC has confirmed that, with one exception, Visual Examination Experts (VEEs) have been assigned for CH and RH VE operations throughout the complex and current appointment letters are available in NTPC Training. The single exception was discovered at INTEC, where VE has historically been conducted at two facilities: VEEs have been appointed for facility CPP-659, where most of the VE is now conducted, but not for facility CPP-666, which has not been used since 2012 (but will be used in the future).*

b) *The two VE operators who performed VE at CPP-666 are the same two operators appointed at VEEs at CPP-659. These two VE operators have now been appointed as VEEs for CPP-666.*

Evaluation:
The remedial actions taken as described above are deemed appropriate.

INVESTIGATIVE ACTIONS

NTPC has confirmed that no waste received or awaiting shipment from SRS is related to this waste stream. The waste stream has not been reviewed through the U.S. Environmental Protection Agency Tier 1 approval process and is not eligible to be shipped to WIPP.

The VE operators who performed the characterization were provided the briefing on the Acceptable Knowledge Summary Report of the waste stream. The VE operators did not have any questions about the VE of the three sealed sources that would have required them to consult a VEE. NTPC Training discovered that the VEE had not been appointed to the position prior the work being performed. After ensuring that the VEE had all required training prior to the VE evolution, the LOQI was updated (but only after the work had been performed). The newly-appointed VEE was one of the VE operators who performed VE on the sealed sources.

For CPP-666, the two VE operators that performed VE are the same two operators appointed as VEEs for CPP-659. Both operators had been briefed on the AK for the VE performed in CPP-666 at the time they did the work, and have now been appointed at VEEs for the facility.

For the above reasons, there was no technical impact from the CAR condition or the lack of an appointed VEE for CPP-666 at INTEC.

Evaluation:
The investigative actions as described are deemed appropriate to address the condition adverse to quality identified in the CAR and the additional instance identified at INTEC whereby the appointment of a visual examination expert was lacking.

ROOT CAUSE DETERMINATION
For day-to-day activities at host locations, NTPC characterization teams are fully supported by the infrastructure and resources needed to ensure that all requirements are met. In this case, the activity was conducted over the course of a single day, using resources brought in from other host locations to work on a very small waste stream consisting of three sealed sources. NTPC was focused on those who would actually be performing the work, and properly verified that VE operator qualifications were current per the List of Qualified Individuals (LOQI). However, NTPC failed to ensure that resources were in place to meet requirements at the secondary level: i.e., the availability of a VEE for the scope of work to be performed. The SRS VEE usually assigned to the facility did not participate in the evolution and had not been briefed on the AK Summary Report. The fact that the VEE is not required to actually perform the work or sign the BDR may have contributed to the CAR condition.

At the time when a properly-briefed VEE was added to the LOQI after VE of the sealed sources was completed, NTPC did not report as a deficiency the fact that the SRS VEE usually assigned to the facility had not been briefed on AK. This was because there was no consensus within NTPC that VEEs had to be briefed on each applicable AK. It was not until after the problem had been identified during the audit that NTPC met with a Senior Technical Advisor in the Regulatory Environmental Services organization and received a definitive determination. At the time, NTPC considered that it was simply replacing one acceptable VEE with a preferred VEE.

CCP-PO-005, CCP Conduct of Operations, Section 4.1, currently requires that the Vendor Project Manager (VPM) perform a daily verification that personnel are qualified to perform their assigned duties by reviewing the current LOQI for the specific location. CCP-PO-005 does not currently require that the VPM verify the availability of a VEE to support planned VE activities: had a check of this nature been part of their LOQI reviews, the CAR condition would not have materialized. These same controls, had they been in place at the time VE was performed at CPP-666 in 2012, would have ensured that a VEE would have been appointed for the work. As it was, the failure to appoint a VEE for CPP-666 was due to lack of attention to detail by management.

Evaluation:
The root cause determination of "lack of attention to detail by management" is deemed appropriate.

ACTIONS TO PRECLUDE RECURRENCE

a) *NTPC has issued Standing Order CCP-SO-108 to revise CCP-PO-005 to include a requirement for the VPM to verify that a VEE is shown as available on the LOQI, for the facility where VE will be performed, before the work is performed, and that the VEE has been briefed on the applicable AK. The Standing Order will remain in force until CCP-PO-005 is revised to incorporate it.*

b) *The LOQIs have historically denoted the VEEs for each facility. In response to this CAR, the LOQIs have now been enhanced to make it easier for VPMs to check that a VEE has been appointed to the facility where VE activities will be performed, and that the VEE has been briefed on the applicable AK.*

CBFO Form 3.1-2

CAR CONTINUATION SHEET

1. CAR No: 14-006	2. Activity No: A-14-04	3. Page 3 of 3

Evaluation:
The proposed corrective actions are deemed appropriate to address the condition documented in the CAR and provide reasonable assurance of precluding the likelihood of recurrence.

ACCEPTANCE

The results of the evaluation of the CAP indicate that the remedial actions, investigative actions, root cause determination and proposed corrective actions satisfactorily address the condition adverse to quality documented in CAR 14-006, and provide adequate measures for precluding recurrence. Therefore, it is recommended that the CAP for CAR 14-006 be approved.

Berry D. Pace 12/11/13

Evaluation Performed By: Berry D. Pace Date:

DIVIDER PAGE

COPY

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01589
UFC:2300.00

December 16, 2013

Mr. Dennis S. Miehls
Senior Quality Assurance Specialist
Carlsbad Field Office
U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

Subject: TRANSMITTAL OF DOCUMENTATION SUPPORTING COMPLETION OF CORRECTIVE ACTIONS ASSOCIATED WITH CBFO CORRECTIVE ACTION REPORT 14-006

Reference: CBFO Memorandum CBFO:OQA:DSM:MAG:13-2324:UFC:2300.00 from Mr. Dennis S. Miehls to Mr. D. E. Gulbransen, dated December 13, 2013, Subject: Evaluation and Acceptance of the CAP for CBFO CAR 14-006 Resulting from Recertification Audit A-14-04, Savannah River Central Characterization Program

Dear Mr. Miehls:

Enclosed for your review and approval is documentation supporting completion of National TRU Program Certification corrective actions associated with CBFO Corrective Action Report (CAR) 14-006. This CAR was issued as a result of CBFO Audit A-14-04 of the Savannah River Site Central Characterization Program waste characterization activities; the audit was conducted during the period of November 13-15, 2013.

Should you have any questions or need additional information, please contact me at Extension 7128.

Sincerely,

D. E. Gulbransen, Manager
National TRU Program Certification

AJF:jmc

Enclosure

D. Miehls w/enc. AJH.
N. Castaneda
T. Morgan
O. Vincent
J. R. Stroble
P. Hinojos

INTOUCH #	DOE LOG	DATE RECEIVED
1303028	2300.00	DEC 16 2013

cc: N. I. Castaneda, CBFO
T. Morgan, CBFO
J. R. Stroble, CBFO
O. L. Vincent, CBFO
P. Hinojos, CTAC
P. Y. Martinez, CTAC

National TRU Program Certification Closure Package for CBFO CAR 14-006
Visual Examination Expert Appointment at Savannah River Site

B. Corrective Action Completed

The previously-approved National TRU Program Certification (NTPC) Corrective Action Plan (CAP) identified two remedial actions and two actions to prevent recurrence. The actions are listed below, just as they appeared in the Corrective Action Plan. The actions have now been completed; the objective evidence is described under Method of Verification, below and is attached to this closure package.

Remedial Actions

1. NTPC has confirmed that, with one exception, Visual Examination Experts (VEEs) have been assigned for CH and RH VE operations throughout the complex and current appointment letters are available in NTPC Training. The single exception was discovered at INTEC, where VE has historically been conducted at two facilities: VEEs have been appointed for facility CPP-659, where most of the VE is now conducted, but not for facility CPP-666, which has not been used since 2012 (but will be used in the future).

2. The two VE operators who performed VE at CPP-666 are the same two operators appointed at VEEs at CPP-659. These two VE operators have now been appointed as VEEs for CPP-666.

Actions to Prevent Recurrence

3. NTPC has issued Standing Order CCP-SO-108 to revise CCP-PO-005 to include a requirement for the VPM to verify that a VEE is shown as available on the LOQI, for the facility where VE will be performed, before the work is performed, and that the VEE has been briefed on the applicable AK. The Standing Order will remain in force until CCP-PO-005 is revised to incorporate it.

4. The LOQIs have historically denoted the VEEs for each facility. In response to this CAR, the LOQIs have now been enhanced to make it easier for VPMs to check that a VEE has been appointed to the facility where VE activities will be performed, and that the VEE has been briefed on the applicable AK.

Method of Verification:

__X__ Record Reviews.

Action 1): Copy of documentation summarizing results of project-level and VPM review of extent of condition for the CAR (one additional facility identified).

Action 2): A copy of the documentation appointing two VEEs for CPP-666 is attached as objective evidence.

Action 3): A copy of Standing Order CCP-SO-108, *Verification that a VE Expert is Available to Support Visual Examination of TRU Waste*, Revision 0, is attached as objective evidence, along with electronic acknowledgements of completion of assigned reading.

Action 4): Copies of enhanced LOQIs for ANL (RH), INL (CH and RH), LANL (CH), ORNL (CH and RH), and SRS (CH and RH), showing VEEs appointed by facility, are attached as objective evidence.

__N/A_ Field Observation (list performance/activities observed in the comment section).

Verification Comments (use continuation pages if needed):

N/A

Closure Package Approval:

D. E. Gulbransen
Manager, National TRU
Program Certification

Signature

12/13/13
Date

Closure Package for CBFO CAR 14-006 (Action 1)

Documentation Summarizing Results of Project-Level and Vendor Project Manager Review of Extent of Condition for the CAR (one additional facility identified)

(1 page)

Billett, Michele - Stoller

From:	Fisher, AJ - NWP
Sent:	Tuesday, December 10, 2013 3:34 PM
To:	Smith, Gregory - NWP; Mojica, Tommy - LANL; Tilmon, Pat; Root, Wes - ANL; Miles, Jeri - NWP; Verlanic, William; Stallings, Andrew - NWP
Cc:	Fisher, AJ - NWP; Lee, Ronnie - NWP; Houghton, Joshua - NWP; Joo, Irene - NWP; Pearcy, Mark - NWP; Sensibaugh, Mike - NWP; Billett, Michele - Stoller; Armijo, Cheryl - Stoller
Subject:	Summary of Actions Taken to Determine Whether Any Other VE Facilities Were Missing an Appointed VEE [Action 1 in CAP for CBFO CAR 14-006]

Copies of enhanced LOQIs were sent to each of you for review, to see if there were any VE facilities without an appointed VEE.

The only facility found to be without an appointed VEE (other than the situation described in the subject CAR) was the CPP-666 facility at INTEC.

This discovery was documented in the CAP and action has been taken to resolve it (Action 2 in the CAP).

Thanks,

A.J. Fisher
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
SWB Office T-242
Phone: 575-234-7644
Cell: 575-302-8828

Closure Package for CBFO CAR 14-006 (Action 2)

Documentation Appointing Two Visual Examination Experts for CPP-666

(1 page)

Billett, Michele - Stoller

From: Kantrowitz, Rich - NWP
Sent: Tuesday, December 10, 2013 1:48 PM
To: Billett, Michele - Stoller
Cc: Armijo, Cheryl - Stoller; Joo, Irene - NWP
Subject: FW: Final Pieces for CAP for CBFO CAR 14-006 [VEE Appointments]

Michele,

I am amending the previous VE Expert appointments for Spencer Troy Pattee and Jeff Poole. They are additionally being appointed as RH VEE's for INL Building CPP 666.

Thank you,

Rich Kantrowitz
SPM
Nuclear Waste Partnership, LLC
Contractor to the U.S. Department of Energy
575-234-7511 - Phone
575-499-3188 - Cell
575-234-7056 - Fax

Closure Package for CBFO CAR 14-006
(Action 3)

Standing Order CCP-SO-108, *Verification that a VE Expert is Available to Support Visual Examination of TRU Waste*, Revision 0

(1 page)

Electronic Acknowledgements of Completion of Assigned Reading for CCP-SO-108

(5 pages)

Attachment 6 – Project Office Standing Order Format

CCP Standing Order CCP-SO-108 Rev. 0

Title: Verification that a VE Expert is Available to Support Visual Examination of TRU Waste

Applicability

This Standing Order is applicable to all Vendor Project Managers (VPMs).

Order

The following additional sentence (in bold) is added to Section 4.1 of CCP-PO-005, Revision 23:

> "The Vendor Project Manager (VPM) will verify daily that personnel are qualified to perform their assigned duties by reviewing the current List of Qualified Individuals (LOQI). **Whenever Visual Examination is to be performed, the VPM verification will include a check that a trained Visual Examination Expert (VEE) is listed on the LOQI to support the work and that the VEE has been appointed to the facility where the VE is to be performed.**"

The VPM will verify that a VEE on the LOQI has received familiarization training on the AK for those waste streams scheduled for VE, and has been appointed to the facility where VE will be performed.

This order will remain in effect until CCP-PO-005, *CCP Conduct of Operations*, has been revised to incorporate the above requirement.

Background

During the most recent CBFO recertification audit at SRS, the auditors found that the appointed VEE listed on the LOQI had not received familiarization training on the associated AK, at the time VE was performed. NTPC procedures do not have any requirement for verification that a trained VEE is available to support VE activities

Teri Miles 12/9/13 — VPM (if applicable) Printed Name/Signature/Date

Andrew O. Stallings 12/9/13 — VPM (if applicable) Printed Name/Signature/Date

Bo Varnic 12/9/13 — VPM (if applicable) Printed Name/Signature/Date

Pat Tilman 12-9-13 — VPM (if applicable) Printed Name/Signature/Date

Tammy Maich 12-9-13 — VPM (if applicable) Printed Name/Signature/Date

F. Wesley Root 12-9-13 — ~~QA~~ (if applicable) Printed Name/Signature/Date

VPM WRL 12-9-2013

Mark Pearcy 12/9/13 — SPM (if applicable) Printed Name/Signature/Date

D.E. Culbreth 12/9/13 — CCP Manager Printed Name/Signature/Date

DEC

Wayne Ledford 12-9-2013
QA

Employee Acknowledgement of CCP-SO-108

Last	First	Site	Document	Document Name	Rev	Sent	Acknowledged
ARMIJO	CHERYL	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
BILLETT	MICHELE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
BROOMFIELD	BARBARA	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
CAMERON	WILLIAM (WYLY)	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
CANTU	ADELA M.	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
FISHER	ALBERT J.	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
FISHER	JERRY	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
GROOVER	TERRI-ANNE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
HOUGHTON	JOSHUA	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013

Employee Acknowledgement of CCP-SO-108

Last	First	Site	Document	Document Name	Rev	Sent	Acknowledged
JOO (QUINTANA)	IRENE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
KANTROWITZ	RICH	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
KNOX	JAKE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
LEE	RONNIE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
MILES	JERI	INL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
MOJICA	TOMMY	LANL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
MOODY	DAVE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
NELSON	LAURA	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
PATTEE	SPENCER (TROY)	INL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013

Employee Acknowledgement of CCP-SO-108

Last	First	Site	Document	Document Name	Rev	Sent	Acknowledged
PEARCY	MARK	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
POOLE	JEFF	INL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/12/2013
PYEATT	BRANDYE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
RAMIREZ	MIKE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
REEVES	RON	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
ROOT	WES	RHANL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
SCHROCK	BEVERLY	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
SENSIBAUGH	MICHAEL L.	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
SHEPLEY	TODD	SRS	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013

Employee Acknowledgement of CCP-SO-108

Last	First	Site	Document	Document Name	Rev	Sent	Acknowledged
SIMMONS	CRAIG	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
SMITH	GREG	RHINL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
SOATERNA	CAROLINA	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
STALLINGS	ANDREW	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
STEPZINSKI	JOE	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013
TILMON	PAT	SRS	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
TURNER	CHARLES	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
VERLANIC	WILLIAM	INL	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
VERNON	JIM	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013

Employee Acknowledgement of CCP-SO-108

Last	First	Site	Document	Document Name	Rev	Sent	Acknowledged
WADE	DANIEL	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
WALDRAM	VERONICA	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
WALENTINE	MICHAEL	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/9/2013
WHITEAKER	ROGER	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/10/2013
WHITELEY	RICK	PROJECT	CCP-SO-108	Verification that a VE Expert is Available to Support Visual Examination of TRU Waste	0	12/9/2013	12/11/2013

Closure Package for CBFO CAR 14-006
(Action 4)

Enhanced Lists of Qualified Individuals (LOQIs)
Showing VE Experts by Appointed Facility

ANL RH - 2 pages
INL CH - 4 pages
INL RH – 4 pages
LANL CH – 8 pages
ORNL CH – 2 pages
ORNL RH – 2 pages
SRS CH – 5 pages
SRS RH – 3 pages

RH Program - ANLE
LIST OF QUALIFIED INDIVIDUALS
12/9/2013 9:38 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
Visual Examination*	**Beallis, Patrick**	Operator/ITR (Includes Gravimetric)	05/2014	Cannot perform operations until site training is complete.
	Bond, Eric	Operator/ITR (Includes Gravimetric)	11/2015	03/01/14
	Harris, Monterry	Operator/ITR (Includes Gravimetric)	05/2014	05/24/14
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert**** NCR "K" Code Designee	06/2015	Cannot perform operations until site training is complete.
	Poole, Jeff	Operator/ITR (Includes Gravimetric) **SME/OJT** NCR "K" Code Designee	02/2014	Cannot perform operations until site training is complete.
	Redman, Gary	Operator/ITR (Includes Gravimetric)	05/2014	04/17/14
	Riley, William	Operator/ITR (Includes Gravimetric)	11/2015	03/01/14
	Root, Wes	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert****	08/2015	01/03/14
	Ruppert, Gloria	Operator/ITR (Includes Gravimetric)	05/2014	03/06/14

*All VE Operator/ITRs are qualified to work on waste stream AERHDM.

**Visual Examination Expert at Alpha Gamma Hot Cell Facility

RH Program - ANLE
LIST OF QUALIFIED INDIVIDUALS
12/9/2013 9:38 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
Waste Sampling	Mojica, Tommy	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2014	Cannot perform operations until site training is complete
	Pattee, Spencer Troy	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	Cannot perform operations until site training is complete
	Poole, Jeff	Operator/ITR **SME/OJT** NCR "K" Code Designee	12/2015	Cannot perform operations until site training is complete.
	Root, Wes	Operator/ITR **SME/OJT**	03/2014	01/03/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	Beallis, Patrick	Operator/ITR	07/2014	Cannot perform operations until site training is complete.
	Carroll (Griffith), Mary	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2014	Cannot perform operations until site training is complete.
	Harris, Monterry	Operator/ITR	09/2015	05/24/14
	Klosowski, Kevin	Operator/ITR	09/2015	02/27/14
	Pattee, Spencer Troy	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete
	Root, Wes	Operator/ITR **SME/OJT**	08/2015	01/03/14

NTPC - Idaho National Laboratc (INL)
List of Qualified Individuals
12/10/2013 11:45 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Barr, Gerard	Operator/ITR	02/2015	02/01/14
	Cummins, Ronald	Operator/ITR	01/2015	02/01/14
	Gough, Linda	Operator/ITR	08/2015	02/01/14
	Grover, Luke	Operator/ITR **SME/OJT** **Expert**	10/2015	02/01/14
	Haderlie, Mike	Operator/ITR	05/2015	02/01/14
	Hulse, Jackie	Operator/ITR	01/2015	02/01/14
	Jackman, David	Operator/ITR	03/2015	02/01/14
	Kerbs, Clifton	Operator/ITR	07/2015	02/01/14
	Mason, Jamie	Operator/ITR	09/2015	02/01/14
	Muntean, Lori	Operator/ITR	01/2015	02/01/14
	Pattee, Spencer Troy	Operator/ITR **SME/OJT** **Expert** NCR "K" Code Designee	05/2015	02/01/14
	Peterson, Joshua	Operator/ITR	08/2015	02/01/14
	Poole, Jeff	Operator/ITR **SME/OJT** **Expert** NCR "K" Code Designee	02/2014	02/21/14
	Rowe, Ronald	Operator/ITR	08/2015	02/01/14
	Stanton, Jodi	Operator/ITR	10/2015	01/24/14
	Stark, Bradley	Operator/ITR **SME/OJT** **Expert** NCR "K" Code Designee	03/2014	02/01/14
	Tierney, Michael	Operator/ITR	09/2015	02/01/14
	Twitchell, Juanita	Operator/ITR	08/2015	02/01/14
	Verlanic, LeAnn	Operator/ITR	10/2015	02/01/14
	Watson, Cal	Operator/ITR	08/2015	02/01/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
SuperHENC	Carroll (Griffith), Mary	Operator/ITR NCR "K" Code Designee	04/2014	03/21/14
	Cummins, Sharon	Operator/ITR **SME/OJT**	09/2015	05/02/14
	Davis, W. Crary	Operator/ITR NCR "K" Code Designee	05/2014	01/10/14
	Dial, Brent	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	01/03/14
	Simpson, Alan	Expert Analyst	N/A	N/A
	West, John	Expert Analyst	N/A	N/A

NTPC - Idaho National Laborato (INL)
List of Qualified Individuals
12/10/2013 11:45 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA SGRS	Abbott, Preston	Operator/ITR **SME/OJT**	05/2015	01/22/14
	Brasier, David	Operator/ITR **SME/OJT** Expert Analyst NCR "K" Code Designee	04/2015	04/05/14
	Carroll (Griffith), Mary	Operator/ITR NCR "K" Code Designee	07/2015	03/21/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Cummins, Sharon	Operator/ITR	06/2014	05/02/14
	Davis, W. Crary	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	01/10/14
	Dial, Brent	Operator/ITR NCR "K" Code Designee	10/2015	01/03/14
	Morales, Bart	Expert Analyst	N/A	N/A
	Southworth, Tim	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA WAGS	Abbott, Preston	Operator/ITR **SME/OJT**	05/2015	01/22/14
	Brasier, David	Operator/ITR **SME/OJT** Expert Analyst NCR "K" Code Designee	04/2015	04/05/14
	Carroll (Griffith), Mary	Operator/ITR NCR "K" Code Designee	07/2015	03/21/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Cummins, Sharon	Operator/ITR	04/2014	05/02/14
	Davis, W. Crary	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	01/10/14
	Dial, Brent	Operator/ITR NCR "K" Code Designee	10/2015	01/03/14
	Morales, Bart	Expert Analyst	N/A	N/A
	Southworth, Tim	Expert Analyst	N/A	N/A

NTPC - Idaho National Laborat((INL)
List of Qualified Individuals
12/10/2013 11:45 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	De Bruyn Kops, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	04/23/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2015	01/16/14
	Miles, Jeri	Operator/ITR	12/2015	05/02/14
	Poirier, Joe	Operator/ITR **SME/OJT**	02/2014	09/12/14
	Walker, Laura	Operator/ITR	03/2015	12/28/13

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	De Bruyn Kops, Aaron	Operator/ITR NCR "K" Code Designee	03/2014	04/23/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	01/16/14
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Miles, Jeri	Operator/ITR	05/2015	05/02/14
	Poirier, Joe	Operator/ITR **SME/OJT**	02/2015	09/12/14
	Walker, Laura	Operator/ITR	05/2015	12/28/13
	Walters, Eddy	Operator/ITR NCR "K" Code Designee	04/2015	11/19/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
Filter Change-Out	De Bruyn Kops, Aaron	Operator NCR "K" Code Designee	01/2014	04/23/14
	Dover, Dale	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/16/14
	Jagielski, Richard	Operator NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	Miles, Jeri	Operator	12/2013	05/02/14
	Poirier, Joe	Operator **SME/OJT**	05/2015	09/12/14
	Walker, Laura	Operator	03/2015	12/28/13
	Walters, Eddy	Operator **SME/OJT** NCR "K" Code Designee	04/2015	11/19/14

INL NDE Personnel Waste Streams Qualified List

12/10/2013 11:45 AM

		WMF-1617	WMF-1619	WMF-1621	ID-SDA-DEBRIS	ID-SDA-SLUDGE	ID-SDA-SOIL	ID-RF-S5126	ID-RF-S5300-A	ID-RF-S3114	ID-RF-S3150-A	ID-RF-S5100-A	ID-SRP-S3000
		VE Expert			AK-1			AK-2	AK-4	AK-5		AK-6	AK-26
VE	Barr, Gerard				X	X	X			X	X		
	Cummins, Ronald				X	X	X			X	X		X
	Gough, Linda				X	X	X			X	X		X
	Grover, Luke	E	E	E	X	X	X			X	X		X
	Haderlie, Mike				X	X	X			X	X		X
	Hulse, Jackie				X	X	X			X	X		X
	Jackman, David				X	X	X			X	X		X
	Kerbs, Clifton				X	X	X			X	X		X
	Mason, Jamie				X	X	X			X	X		X
	Muntean, Lori				X	X	X			X	X		X
	Pattee, Spencer Troy	E	E	E	X	X	X			X	X		X
	Peterson, Joshua				X	X	X			X	X		X
	Poole, Jeff	E	E	E	X	X	X			X	X		X
	Rowe, Ronald				X	X	X			X	X		X
	Stanton, Jodi				X	X	X			X	X		X
	Stark, Brad	E	E	E	X	X	X			X	X		X
	Tierney, Michael				X	X	X			X	X		X
	Twitchell, Juanita				X	X	X			X	X		X
	Verlanic, Leann				X	X	X			X	X		X
	Watson, Cal				X	X	X			X	X		X

RH Program - INL
List of Qualified Individuals
12/12/2013 1:41 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Davis, Chris	Operator/ITR	01/2015	01/31/14
	Parmer, Bret	Operator/ITR	01/2015	01/23/14
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert** NCR "K" Code Designee	06/2015	04/15/14
	Poole, Jeff	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert** NCR "K" Code Designee	02/2014	02/01/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
Waste Sampling	Brammer, Craig	Operator/ITR	08/2014	Cannot perform operations until site training is complete.
	Davis, Chris	Operator/ITR	08/2014	01/13/14
	Parmer, Bret	Operator/ITR	11/2014	01/12/14
	Pattee, Spencer Troy	Operator/ITR **SME/OJT** NCR "K" Code Designee	12/2015	01/27/14
	Poole, Jeff	Operator/ITR **SME/OJT** NCR "K" Code Designee	12/2015	01/04/14
	Quinn, Vaughn	Operator/ITR	11/2014	01/12/14
	Root, Wes	Operator/ITR **SME/OJT**	03/2014	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Alade, Lashell	Operator/ITR	Eye Exam – 12/2013 Requal – 07/2015 SNT-TC-1A – 06/09/2016 Training Cont. – 01/2014	01/13/14
	Andrews, Sway	Operator/ITR	Eye Exam – 10/2014 Requal – 01/2014 SNT-TC-1A – 04/16/2016 Training Cont. – 01/2014	01/13/14
	Christensen, Tyson	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 07/2015 SNT-TC-1A –03/26/2016 Training Cont. – 01/2014	10/21/14
	Davis, Chris	Operator/ITR	Eye Exam – 11/2014 Requal – 11/2015 SNT-TC-1A – 04/16/2016 Training Cont. – 05/2014	01/13/14
	Oney, Fred	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam - 11/2014 Requal - 05/2014 SNT-TC-1A - 04/16/2016 Training Cont. - 04/2014	Cannot perform operations until site training is complete.

RH Program - INL
List of Qualified Individuals
12/12/2013 1:41 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	03/31/14
	Poirier, Joseph	Operator/ITR **SME/OJT**	02/2015	01/12/14
	Walters, Eddy	Operator/ITR NCR "K" Code Designee	04/2015	01/08/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	Alade, Lashell	Operator/ITR	06/2015	01/13/14
	Andrews, Sway	Operator/ITR	05/2014	01/13/14
	Carroll (Griffith), Mary	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2014	04/30/14
	Davis, Chris	Operator/ITR	04/2014	01/13/14
	Davis, W. Crary	Operator/ITR NCR "K" Code Designee	09/2014	02/22/14
	Dial, Brent	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2014	04/16/14
	Pattee, Spencer Troy	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	03/31/14
	Pinnock, Dave	Operator/ITR	08/2015	01/12/14

RH Program - INL
List of Qualified Individuals
12/12/2013 1:41 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
OSPREY System	Brasier, David	Expert Analyst	N/A	N/A
	Carroll (Griffith), Mary	Operator/ITR **SME/OJT** NCR "K" Code Designee	08/2014	04/30/14
	Davis, W. Crary	Operator/ITR NCR "K" Code Designee	10/2014	02/22/14
	Dial, Brent	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2014	04/16/14
	Morales, Bart	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
INL Transportation Personnel	Bastar, James	Canister Loading Operator	03/2015	01/13/14
	Brammer, Craig	Canister Loading Operator	06/2014	01/13/14
	Davis, Chris	Canister Loading Operator	05/2014	01/13/14
	Parmer, Bret	Canister Loading Operator	02/2015	01/12/14
	Quinn, Vaughn	Canister Loading Operator	03/2015	01/12/14

RH INL NDE Personnel Waste Streams Qualified List

12/12/2013 1:41 PM

		CPP 659	CPP 666	ID-ANLE-S5000	ID-MFC-S5400-RH	ID-MFC-SOLID-RH	ID-INTEC-RH	ID-HFEF-S5400-RH	IN-ID-BTO-030	ID-EBR-S5000	ID-ANLE-S5000-RP	ID-HFEF-S5000-RP	ID-TRA-W345-RH	ID-RF-S5100-RH	ID-RF-S5300-RH	ID-RF-S5410-RH	ID-ANLW-W269-RH	ID-ANLE-BIN
		VE Expert		500	AK-540		550	580	590	600	610	620	630	AK-640			650	660
RTR	Alade, Lashell			X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Andrews, Sway			X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Christensen, Tyson			X	X	X		X	X	X	X	X	X	X	X	X		X
	Davis, Chris (VE also)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Oney, Fred			X														
VE	Davis, Chris(RTR also)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Parmer, Bret			X	X	X	X	X		X	X	X	X	X	X	X	X	X
	Pattee, Spencer	E	E	X	X	X		X		X			X	X	X	X	X	
	Poole, Jeff	E	E	X	X	X	X	X		X	X		X	X	X	X	X	X

NTPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Archuleta, Levie	Operator/ITR	01/2015	01/02/13
	Ausmus, Peggy	Operator/ITR **SME/OJT** **Expert**	10/2014	02/28/14
	Bustos, Dino	Operator/ITR	09/2015	01/24/14
	Candelaria, Joseph	Operator/ITR	11/2015	09/11/14
	Clemons, Duane	Operator/ITR	07/2015	04/08/14
	Geyer, Robert	Operator/ITR	07/2014	01/22/14
	Gutierrez, Gilbert	Operator/ITR	10/2014	03/08/14
	Hemsing, David	Operator/ITR **SME/OJT** **Expert**	10/2015	06/04/14
	Krylowicz, Jason	Operator/ITR	01/2015	12/18/13
	Mojica, Tommy	Operator/ITR **SME/OJT** **Expert** NCR "K" Code Designee	07/2015	06/04/14
	Robida, Peter	Operator/ITR	11/2015	Cannot perform operations until site training is complete.
	Romero, Luis	Operator/ITR	09/2015	03/21/14
	Salazar, Kenneth	Operator/ITR	07/2015	03/11/14
	Stepzinski, Joseph	Operator/ITR	02/2015	07/10/14
	Thompson, James	Operator/ITR **SME/OJT** **Expert**	07/2015	02/05/14
	Trujillo, Michael	Operator/ITR	01/2015	01/02/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
CMR VE	Ortega, Loretta	Operator/ITR	07/2014	01/15/14
	Potter, David	Operator/ITR	07/2014	01/15/14
	Rodriguez, Joe	Operator/ITR	07/2014	01/04/14

NIPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Elliott, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 11/2014 SNT-TC-1A – 01/25/2015 Training Cont. – 04/2014	08/28/14
	Hasselstrom, Thaddeus	Operator/ITR NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 05/2014 SNT-TC-1A – 04/05/15 Training Cont. – 04/2014	03/06/14
	Maestas, Benito	Operator/ITR	Eye Exam – 06/2014 Requal – 09/2014 SNT-TC-1A – 06/28/15 Training Cont. – 04/2014	04/25/14
	Simmons, Michael	Operator/ITR	Eye Exam – 01/2014 Requal –10/2014 SNT-TC-1A – 04/05/15 Training Cont. – 04/2014	02/25/14
	Simpson, Kenneth Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 04/2015 SNT-TC-1A – 02/27/16 Training Cont. – 04/2014	05/08/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA MILCC	Aragon, Israel	Operator/ITR **SME-OJT** NCR "K" Code Designee	05/2015	05/20/14
	Archuleta, Dominic	Operator/ITR NCR "K" Code Designee	06/2015	10/08/14
	Barton, Tim	Operator/ITR **SME-OJT** NCR "K" Code Designee	05/2015	02/03/14
	Baumann, Richard	Operator/ITR **SME-OJT** Expert Analyst NCR "K" Code Designee	05/2015	01/25/14
	Escarcega, Maria	Operator/ITR NCR "K" Code Designee	06/2015	01/15/14
	Francis, Jared	Operator/ITR **SME-OJT** Expert Analyst NCR "K" Code Designee	05/2015	02/12/14
	Hammon, Ryan	Operator/ITR **SME-OJT** NCR "K" Code Designee	05/2015	04/09/14
	Templeton, Bret	Operator/ITR NCR "K" Code Designee	12/2015	03/04/14

NIPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA SuperHENC	Aragon, Israel	Operator/ITR **SME/OJT** NCR "K" Code Designee	08/2015	05/20/14
	Archuleta, Dominic	Operator/ITR NCR "K" Code Designee	03/2015	10/08/14
	Barton, Tim	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	02/03/14
	Baumann, Richard	Operator/ITR Expert Analyst NCR "K" Code Designee	07/2015	01/25/14
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Escarcega, Maria	Operator/ITR NCR "K" Code Designee	04/2015	01/15/14
	Francis, Jared	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Gallegos, Adam	Operator/ITR NCR "K" Code Designee	03/2015	10/03/14
	Hammon, Ryan	Operator/ITR **SME/OJT** NCR "K" Code Designee	08/2015	04/09/14
	Lucchini, Pete	Operator/ITR NCR "K" Code Designee	03/2014	03/12/14
	Morales, Bart	Expert Analyst	N/A	N/A
	Sager, David	Operator/ITR NCR "K" Code Designee	11/2015	05/15/14
	Stanfield, Sean	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Templeton, Bret	Operator/ITR NCR "K" Code Designee	07/2015	03/04/14

NTPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA HENC 1 & 2	Aragon, Israel	Operator/ITR **SME/OJT** Designee	07/2015	05/20/14
	Archuleta, Dominic	Operator/ITR Designee	01/2015	10/08/14
	Barton, Tim	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	02/03/14
	Baumann, Richard	Operator/ITR **SME/OJT** Expert Analyst NCR "K" Code Designee	04/2015	01/25/14
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Escarcega, Maria	Operator/ITR NCR "K" Code Designee	01/2015	01/15/14
	Francis, Jared	Operator/ITR Expert Analyst NCR "K" Code Designee	03/2014	02/12/14
	Gallegos, Adam	Operator/ITR NCR "K" Code Designee	01/2015	10/03/14
	Hammon, Ryan	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2015	04/09/14
	Lucchini, Pete	Operator/ITR NCR "K" Code Designee	08/2014	03/12/14
	Morales, Bart	Expert Analyst	N/A	N/A
	Sager, David	Operator/ITR NCR "K" Code Designee	07/2015	05/15/14
	Shumaker, Alan	Operator/ITR NCR "K" Code Designee	09/2015	06/05/14
	Stanfield, Sean	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Templeton, Bret	Operator/ITR NCR "K" Code Designee	04/2015	03/04/14

NTPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Aragon, Sara	Operator/ITR NCR "K" Code Designee	12/2015	09/04/14
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	02/14/14
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	01/14/14
	Wales, Nathan	Operator/ITR	04/2014	02/06/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
Filter Change-Out	Aragon, Sara	Operator NCR "K" Code Designee	01/2014	09/04/14
	Jagielski, Richard	Operator **SME/OJT** NCR "K" Code Designee	05/2015	02/14/14
	Loechell, Erik	Operator **SME/OJT** NCR "K" Code Designee	09/2015	01/14/14
	Wales, Nathan	Operator	05/2014	02/06/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2015	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2015	02/14/14
	Loechell, Erik	Operator/ITR NCR "K" Code Designee	08/2015	01/14/14

NIPC - Los Alamos National Labs (LANL)
List of Qualified Individuals
12/10/2013 12:16 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
OSRP Radiological Characterization	Day, Rick	Operator/ITR **SME/OJT**	05/2014	08/07/15
	Fanning, Michael	Operator/ITR	10/2014	08/10/14
	Feldman, Alex	Operator/ITR **SME/OJT**	02/2015	09/19/14
	Gammon, Ellen	Operator/ITR	05/2014	04/02/15
	Griffin, Justin	Operator/ITR	05/2014	06/13/15
	Manzanares, Leo	Operator/ITR	06/2014	03/19/14
	McAlpin, Jerry	Operator/ITR	03/2014	03/27/14
	Witkowski, Ioana	Operator/ITR **SME/OJT**	05/2014	01/04/14
OSRP VE	Abeyta, Christy	Operator/ITR	03/2015	11/28/14
	Cocina, Frank	Operator/ITR	08/2015	02/21/14
	Day, Rick	Operator/ITR	01/2015	08/07/15
	Drypolcher, Katherine	Operator/ITR	02/2015	02/19/15
	Fanning, Michael	Operator/ITR	09/2014	08/10/14
	Feldman, Alex	Operator/ITR **SME/OJT** **Expert**	01/2014	09/19/14
	Gammon, Ellen	Operator/ITR	03/2014	04/02/15
	Griffin, Justin	Operator/ITR **SME/OJT** **Expert**	03/2015	06/13/15
	Gurley, Michael	Operator/ITR	12/2014	06/22/14
	Hauschild, Lorraine	Operator/ITR	09/2014	11/28/14
	Manzanares, Leo	Operator/ITR	07/2015	03/19/14
	Martinez, Adam	Operator/ITR	09/2014	10/28/15
	Matzke, Jim	Operator/ITR **SME/OJT** **Expert**	03/2015	01/03/14
	Stewart, William	Operator/ITR	09/2015	02/14/14
	Streeper, Charles	Operator/ITR	09/2014	02/13/15
	Witkowski, Ioana	Operator/ITR	12/2014	01/04/14
	Zarling, John	Operator/ITR	07/2015	03/16/14

LANL NDE Personnel Waste Streams Qualified List

12/10/2013 12:16 PM

		VE Expert							AK-4			AK-6				AK-8			AK-9			AK-10		AK-12	AK-13	AK-14
		CMR	OSRP	TA-54 Bldg 375	TA-54 Bldg 412	TA-54 Permacon 231	TA-55 Bldg PF4	WCRRF	LA-CIN02.001	LA-MHD09.001	LA-MIN03-NC.001	LA-CIN01.001	LA-MHD01.001	LA-MIN02-V.001	LA-MIN04-S.001	LA-OS-00-01.001	LA-OS-00-03	LA-OS-00-04	LA-CIN03.001	LA-MHD03.001	LA-MIN05-V.001	LA-MHD04.001	LA-MSG04.001	LA-MHD08.001	LA-MHD05-ITRI.001	LA-MHD10.001
RTR	Elliott, Aaron								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Hasselstrom, Thad								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Maestas, Benito								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Simmons, Michael								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Simpson, Dale								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
VE	Archuleta, Levie								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Ausmus, Peggy							E	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Bustos, Dino								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Candelaria, Joseph											X	X	X	X											
	Clemons, Duane								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Geyer, Robert								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Gutierrez, Gilbert								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Hemsing, David	E		E	E	E	E	E	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Krylowicz, Jason								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Mojica, Tommy	E		E	E	E	E	E	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Ortega, Loretta																		X	X	X					
	Potter, David																		X	X	X					
	Robida, Peter											X	X	X	X											
	Rodriguez, Joe																		X	X	X					
	Romero, Luis								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Salazar, Kenneth								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Stepzinski, Joseph								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Thompson, James	E		E	E	E	E	E	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X
	Trujillo, Michael								X	X	X	X	X	X	X				X	X	X	X	X	X	X	X

LANL NDE Personnel Waste Streams Qualified List

12/10/2013 12:16 PM

		CMR	OSRP	TA-54 Bldg 375	TA-54 Bldg 412	TA-54 Permacon 231	TA-55 Bldg PF4	WCRRF	LA-CIN02.001	LA-MHD09.001	LA-MIN03-NC.001	LA-CIN01.001	LA-MHD01.001	LA-MIN02-V.001	LA-MIN04-S.001	LA-OS-00-01.001	LA-OS-00-03	LA-OS-00-04	LA-CIN03.001	LA-MHD03.001	LA-MIN05-V.001	LA-MHD04.001	LA-MSG04.001	LA-MHD08.001	LA-MHD05-ITRI.001	LA-MHD10.001
		VE Expert							AK-4			AK-6				AK-8			AK-9			AK-10		AK-12	AK-13	AK-14
OSRP VE	Abeyta, Cristy															X	X	X									
	Cocina, Frank															X	X	X									
	Day, Rick															X	X	X									
	Drypolcher, Katherine															X	X	X									
	Fanning, Michael															X	X	X									
	Feldman, Alex		E													X	X	X									
	Gammon, Ellen															X	X	X									
	Griffin, Justin		E													X	X	X									
	Gurley, Michael															X	X	X									
	Hauschild, Lorraine															X	X	X									
	Manzanares, Leo															X	X	X									
	Martinez, Adam															X	X	X									
	Matzke, Jim		E													X	X	X									
	Stewart, William															X	X	X									
	Streeper, Charles															X	X	X									
	Witkowski, Ioana															X	X	X									
	Zarling, John															X	X	X									

CCP - Oak Ridge National Labs (ORNL)
List of Qualified Individuals
12/10/2013 12:39 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Harley, Anthony	Operator/ITR **SME/OJT** **Expert**	09/2015	07/10/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brothers, Daphne	Operator/ITR	Eye Exam - 11/2014 Requal - 11/2015 SNT-TC-1A - 11/20/16 Training Cont. - 05/2014	03/14/14
	Lyles, Eric	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A – 04/22/2016 Training Cont. – 02/2014	03/12/14
	Oney, Fred	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 11/2014 Requal – 05/2014 SNT-TC-1A – 04/16/16 Training Cont. – 04/2014	03/09/14
	Redmond, R. Steve	Operator/ITR NCR "K" Code Designee	Eye Exam – 11/2014 Requal – 11/2015 SNT-TC-1A – 05/26/14 Training Cont. – 05/2014	06/12/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA IQ3	Anderson, Susan	Operator/ITR	11/2015	04/10/14
	Ceo, Robert	Expert Analyst	N/A	N/A
	Gerlock, Chad	Operator/ITR	11/2015	04/01/14
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Morales, Bart	Expert Analyst	N/A	N/A
	Meyer, Kevin	Expert Analyst	N/A	N/A
	Southworth, Tim	Expert Analyst	N/A	N/A
	Whitson, Ron	Operator/ITR **SME/OJT** NCR "K" Code Designee	10/2015	01/04/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	Cannot perform operations until site training is complete.
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	05/15/14

ORNL NDE Personnel Waste Streams Qualified List

12/10/2013 12:39 PM

		TWPC Process Bldg	OR-NFS-CH-HET-A	OR-NFS-CH-HOM-A	OR-NFS-CH-HOM-B	OR-NFS-CH-SOIL	OR-REDC-CH-HET	OR-RADP-CH-HET	OR-RF-CH-HET	OR-CHEM-CH-HET	OR-GENR-CH-HET	OR-NBL-CH-HET	OR-ISTP-CH-HET	OR-SWSA-CH-HET	OR-SWSA-CH-SOIL
		VE Expert	AK-1				AK-2	AK-3	AK-4	AK-5	AK-6	AK-7	AK-8	AK-9	
RTR	Brothers, Daphne		X	X	X	X	X						X		
RTR	Lyles, Eric		X	X	X	X	X						X		
RTR	Oney, Fred		X	X	X	X	X						X		
RTR	Redmond, R. Steve		X	X	X	X	X						X		
VE	Harley, Anthony	E	X	X	X	X	X						X		

RH Program - ORNL
List of Qualified Individuals
12/10/2013 7:22 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	**Whitson, Ron**	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2014	01/04/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	**Adams, James**	Operator/ITR **SME/OJT**	07/2014	Cannot perform operations until site training is complete.
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	05/15/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	**Cofer, Jason**	Operator/ITR	11/2015	10/29/14
	Harley, Anthony	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert**	06/2015	07/10/14
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) **SME/OJT** NCR "K" Code Designee	06/2015	Cannot perform operations until site training is complete.
	Wallace, Chuck	Operator/ITR	11/2015	06/27/14
	Root, Wes	Operator/ITR (Includes Gravimetric) **SME/OJT**	08/2015	Cannot perform operations until site training is complete.

RH ORNL NDE Personnel Waste Streams Qualified List

12/10/2013 7:22 AM

		TWPC Process Bldg.	OR-REDC-RH-HET	OR-RF-RH-HET
		VE Expert	AK-500	510
VE	Cofer, Jason		X	
	Harley, Anthony	E	X	
	Pattee, Spencer		X	
	Wallace, Chuck		X	
	Root, Wes			

CCP - Savannah River Site (SRS)
List of Qualified Individuals
12/10/2013 7:58 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Adams, James	Operator/ITR **SME/OJT** **Expert**	10/2015	05/21/14
	Davis, Will	Operator/ITR	11/2014	01/14/14
	Harley, Anthony	Operator/ITR **SME/OJT**	09/2015	Cannot perform operations until site training is complete.
	Kinard, Stacy	Operator/ITR	04/2014	03/04/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA NABC	Brashears, J. Blake	Operator/ITR **SME/OJT** NCR "K" Code Designee	02/2015	03/20/14
	Carlton, Tim	Operator/ITR NCR "K" Code Designee	12/2014	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Crosby, Daniel	Operator/ITR	08/2015	Cannot perform operations until site training is complete.
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Morales, Bart	Expert Analyst	N/A	N/A
	Remington, Daniel	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator/ITR	08/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2015	01/31/14
	Wachter, Joe	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

CCP - Savannah River Site (SRS)
List of Qualified Individuals
12/10/2013 7:58 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John*	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	01/21/14
	Kareis, Georgia*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	01/21/14
	Simpson, Kenneth Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 04/2015 SNT-TC-1A – 02/27/2016 Training Cont. – 04/2014	Cannot perform operations until site training is complete.

***Site qualified to operate the LCNDE.**

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	De Bruyn Kops, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	Cannot perform operations until site training is complete.
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2015	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR NCR "K" Code Designee	08/2015	Cannot perform operations until site training is complete.
	Poirier, Joe	Operator/ITR **SME/OJT**	02/2014	Cannot perform operations until site training is complete.

SRS NDE Personnel Waste Streams Qualified List

12/10/2013 7:58 AM

		E Area Cell 11	F-Canyon Facility	SR-W027-221F-Het-A	SR-W027-FB-Pre86-C	SR-W026-221F-HEPA	SR-W026-221F-HET	SR-W026-221F-HET-A	SR-W026-221F-HOM	SR-W027-221H-HEPA	SR-W027-221H-HET	SR-W027-221H-HET-C	SR-W027-221H-HET-D	SR-W027-221H-HOM	SR-W027-HBL-BOX	SR-W026-772F-HET
		VE Expert		AK-1	AK-2	AK-3				AK-4						AK-5
RTR	Brookshire, John			X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron			X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia			X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale			X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	E	E	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will			X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony			X	X											X
	Kinard, Stacy			X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

12/10/2013 7:58 AM

		E Area Cell 11	F-Canyon Facility	SR-W027-235F-HEPA	SR-W027-235F-HET	SR-W027-235F-HOM	SR-W027-773A-HET	SR-W027-773A-HOM	SR-MD-HET	SR-MD-HOM-A	SR-MD-HOM-C	SR-MD-SOIL	SR-MD-PAD1	SR-LA-PAD1	SR-AGNS-HET	SR-AGNS-HOM	SR-SWMF-HET-A	SR-SWMF-HET-B
		VE Expert		AK-6			AK-7		AK-8				AK-9	AK-10	AK-11		AK-12	
RTR	Brookshire, John			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RTR	Gelderman, Byron			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RTR	Kareis, Georgia			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RTR	Simpson, Dale			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	E	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Davis, Will			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Harley, Anthony			X	X	X							X					
VE	Kinard, Stacy			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

12/10/2013 7:58 AM

		E Area Cell 11	F-Canyon Facility	SR-SDD-HET-A	SR-SDD-HOM-A	SR-SDD-HOM-B	SR-W027-321-322M-HET	SR-W027-321M-HOM	SR-DWPF-HET	SR-NIST-HET	SR-KAC-HET	SR-KAC-HET-A	SR-BCLDP-HET	SR-HBL-235F-HET	SR-221H-PuOx	SR-BCLDP.003.001	SR-BCLDP.004.004
		VE Expert		AK-13			AK-14		AK-15	AK-16	AK-18		AK-19	AK-20	AK-21	AK-530	AK-540
RTR	Brookshire, John			X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron			X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia			X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale			X	X	X	X	X	X	X	X	X	X		X	X	X
VE	Adams, James	E	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will			X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony			X	X	X	X	X	X	X			X			X	X
	Kinard, Stacy			X	X	X	X	X	X	X	X	X	X		X	X	X

CCP - RH Program - SRS
List of Qualified Individuals
12/10/2013 7:52 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Harley, Anthony	Operator/ITR (Includes Gravimetric) **SME/OJT**	06/2015	Cannot perform operations until site training is complete.
	Mojica, Tommy	Operator/ITR (Includes Gravimetric) **SME/OJT** NCR "K" Code Designee	07/2015	Cannot perform operations until site training is complete.
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) **SME/OJT** **Expert** NCR "K" Code Designee	06/2015	Cannot perform operations until site training is complete.
	Root, Wes	Operator/ITR (Includes Gravimetric) **SME/OJT**	08/2015	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	01/21/14
	Kareis, Georgia	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	01/21/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	Brashears, Blake	Operator/ITR NCR "K" Code Designee	06/2014	03/20/14
	Carlton, Tim	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	04/01/14
	Schneider, Mike	Operator/ITR	04/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	01/31/14
	Whitson, Ron	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2014	Cannot perform operations until site training is complete.

CCP - RH Program - SRS
List of Qualified Individuals
12/10/2013 7:52 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

RH SRS NDE Personnel Waste Streams Qualified List

12/10/2013 7:52 AM

		Pad 6	SR-RL-BCLDP.001	SR-RL-BCLDP.002	SR-BCLDP.001.001	SR-BCLDP.001.002	SR-BCLDP.002	SR-BCLDP.003	SR-BCLDP.004.002	SR-BCLDP.004.003	SR-RH-772F.01	SR-RH-235F.01	SR-RH-773A.01	SR-RH-FBL.01	SR-RH-FBL.02	SR-RH-221H.01	SR-RH-221H.02	SR-RH-MNDPAD1.01	SR-RH-SDD.01	SR-RH-SWD.01
		VE Expert	AK-500		AK-510		520	530	AK-540		550	560	570	AK-580		AK-600		620	630	640
RTR	Brookshire, John		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
RTR	Gelderman, Byron		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
RTR	Kareis, Georgia		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
VE	Harley, Anthony							X											X	
VE	Mojica, Tommy							X												
VE	Pattee, Spencer Troy	E						X											X	
VE	Root, Wes		X	X															X	

DIVIDER PAGE

Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

JAN - 6 2014

Mr. D. E. Gulbransen, Manager
National TRU Program Certification
Nuclear Waste Partnership, LLC
P.O. Box 2078
Carlsbad, NM 88221-2078

Subject: Review and Verification of the Corrective Actions Submitted in Response to and Supporting Closure of CBFO CAR 14-006

Dear Mr. Gulbransen:

The Carlsbad Field Office (CBFO) has completed review and verification of the corrective actions submitted in response to CBFO Corrective Action Report (CAR) 14-006, which resulted from CBFO Audit A-14-04 of the Savannah River Site Central Characterization Program TRU Waste Characterization and Certification Activities. The results of the verification are documented on the enclosed CAR Continuation Sheet, and indicate that the associated corrective actions have been fulfilled and are satisfactorily implemented. Therefore, CAR 14-006 is considered closed.

If you have any questions concerning the closure of CAR 14-006, please contact me at (575) 234-7491.

Sincerely,

D. S. Miehls

Dennis S. Miehls
Senior Quality Assurance Specialist

Enclosure

cc: w/enclosure

M. Brown, CBFO	*ED	T. Peake, EPA	ED
J.R. Stroble, CBFO	ED	L. Bender, EPA	ED
M. Navarrete, CBFO	ED	E. Feltcorn, EPA	ED
T. Morgan, CBFO	ED	R. Joglekar, EPA	ED
N. Castaneda, CBFO	ED	S. Ghose, EPA	ED
D. Moody, DOE-SR	ED	R. Lee, EPA	ED
H. Crapse, DOE-SR	ED	J. Kieling, NMED	ED
F. Sharif, NWP	ED	T. Kliphuis, NMED	ED
T. Reynolds, NWP/CCP	ED	S. Holmes, NMED	ED
V. Cannon, NWP/CCP	ED	R. Maestas, NMED	ED
A.J. Fisher, NWP/CCP	ED	C. Smith, NMED	ED
I. Joo, NWP/CCP	ED	V. Daub, CTAC	ED
M. Walker, NWP/CCP	ED	R. Allen, CTAC	ED
W. Ledford, NWP/CCP	ED	B. Pace, CTAC	ED
M. Pearcy, NWP/CCP	ED	P. Hinojos, CTAC	ED
J. Carter, NWP/CCP	ED	G. White, CTAC	ED
J. Hoff, NWP/QA	ED	Site Documents	ED
B. Allen, NWP/QA	ED	CBFO QA File	
S. Punchios, NWP/QA	ED	CBFO M&RC	
S. Escareno-Soto, NWP/QA	ED	*ED denotes electronic distribution	

CBFO:OQA:DSM:MAG:14-1005:UFC 2300.00

CBFO Form 3.1-2

CAR CONTINUATION SHEET

1. CAR No: 14-006	2. Activity No: A-14-04	3. Page 1 of 3

Block # 17 Acceptance of Corrective Action Completion:

The Carlsbad Field Office (CBFO) has performed an evaluation of the evidence supporting completion of the corrective actions associated with CBFO Corrective Action Report (CAR) 14-006, identified during CBFO Audit A-14-04, Savannah River Site Central Characterization Program TRU Waste Characterization and Certification Activities. The closure documentation was submitted via Nuclear Waste Partnership LLC (NWP) letter CP:13:01589 UFC:2300.00, dated December 16, 2013, from Mr. D. E. Gulbransen, Manager, National TRU Program Certification, to Mr. Dennis S. Miehls, Senior Quality Assurance Specialist, Carlsbad Field Office. The methods used to verify completion of the actions contained in the approved corrective action plan (CAP) are described below.

The approved CAP submitted by NWP National TRU Program Certification (NTPC) identified the following actions. Italicized text, taken verbatim from the CAP, is used to reflect the correlation between the actions required by the CAR and the method used for evaluation.

REMEDIAL ACTIONS:

a) *NTPC has confirmed that, with one exception, Visual Examination Experts (VEEs) have been assigned for CH and RH VE operations throughout the complex and current appointment letters are available in NTPC Training. The single exception was discovered at INTEC, where VE has historically been conducted at two facilities: VEEs have been appointed for facility CPP-659, where most of the VE is now conducted, but not for facility CPP-666, which has not been used since 2012 (but will be used in the future).*

b) *The two VE operators who performed VE at CPP-666 are the same two operators appointed at VEEs at CPP-659. These two VE operators have now been appointed as VEEs for CPP-666.*

Verification:

Verified the appointment of VEEs for facility CPP-666 at Idaho Nuclear Technology and Engineering Center (INTEC) per email dated Tuesday, December 10, 2013, by Mr. Rich Kantrowitz, Site Project Manager.

INVESTIGATI VE ACTIONS

Extent

As noted in the Remedial Action section of this Corrective Action Plan, the extent is limited to the condition described in the CAR and VE at CPP-666 [INTEC] in 2012.

Impact

NTPC has confirmed that no waste received or awaiting shipment from SRS is related to this waste stream. The waste stream has not been reviewed through the U.S. Environmental Protection Agency Tier 1 approval process and is not eligible to be shipped to WIPP.

The VE operators who performed the characterization were provided the briefing on the Acceptable Knowledge Summary Report of the waste stream. The VE operators did not have any questions about the VE of the three sealed sources that would have required them to consult a VEE. NTPC Training discovered that the VEE had not been appointed to the position prior the work being performed. After ensuring that the VEE had all required training prior to the VE evolution, the LOQI was updated (but only after the work had been performed). The newly-appointed VEE was one of the VE operators who performed VE on the sealed sources.

For CPP-666, the two VE operators that performed VE are the same two operators appointed as VEEs for CPP-659. Both operators had been briefed on the AK for the VE performed in CPP-666 at the time they did the work, and have now been appointed at VEEs for the facility.

For the above reasons, there was no technical impact from the CAR condition or the lack of an appointed VEE for CPP-666 at INTEC.

Verification:

As indicated in the acceptance of the CAP (CBFO:OQA:DSM:MAG:13-2324:UFC 2300.00), the investigative actions, including extent and impact, were determined to be appropriate and acceptable.

ROOT CAUSE DETERMINATION

For day-to-day activities at host locations, NTPC characterization teams are fully supported by the infrastructure and resources needed to ensure that all requirements are met. In this case, the activity was conducted over the course of a single day, using resources brought in from other host locations to work on a very small waste stream consisting of three sealed sources. NTPC was focused on those who would actually be performing the work, and properly verified that VE operator qualifications were current per the List of Qualified Individuals (LOQI). However, NTPC failed to ensure that resources were in place to meet requirements at the secondary level: i.e., the availability of a VEE for the scope of work to be performed. The SRS VEE usually assigned to the facility did not participate in the evolution and had not been briefed on the AK Summary Report. The fact that the VEE is not required to actually perform the work or sign the BDR may have contributed to the CAR condition.

At the time when a properly-briefed VEE was added to the LOQI after VE of the sealed sources was completed, NTPC did not report as a deficiency the fact that the SRS VEE usually assigned to the facility had not been briefed on AK. This was because there was no consensus within NTPC that VEEs had to be briefed on each applicable AK. It was not until after the problem had been identified during the audit that NTPC met with a Senior Technical Advisor in the Regulatory Environmental Services organization and received a definitive determination. At the time, NTPC considered that it was simply replacing one acceptable VEE with a preferred VEE.

CCP-PO-005, CCP Conduct of Operations, Section 4.1, currently requires that the Vendor Project Manager (VPM) perform a daily verification that personnel are qualified to perform their assigned duties by reviewing the current LOQI for the specific location. CCP-PO-005 does not currently require that the VPM verify the availability of a VEE to support planned VE activities: had a check of this nature been part of their LOQI reviews, the CAR condition would not have materialized. These same controls, had they been in place at the time VE was performed at CPP-666 in 2012, would have ensured that a VEE would have been appointed for the work. As it was, the failure to appoint a VEE for CPP-666 was due to lack of attention to detail by management.

Verification:

As indicated in the acceptance of the CAP (CBFO:OQA:DSM:MAG:13-2324:UFC 2300.00), the root cause determination was determined to be appropriate and acceptable.

ACTIONS TO PRECLUDE RECURRENCE:

a) *NTPC has issued Standing Order CCP-SO-108 to revise CCP-PO-005 to include a requirement for the VPM to verify that a VEE is shown as available on the LOQI, for the facility where VE will be performed, before the work is performed, and that the VEE has been briefed on the applicable AK. The Standing Order will remain in force until CCP-PO-005 is revised to incorporate it.*

b) The LOQIs have historically denoted the VEEs for each facility. In response to this CAR, the LOQIs have now been enhanced to make it easier for VPMs to check that a VEE has been appointed to the facility where VE activities will be performed, and that the VEE has been briefed on the applicable AK.

Verification:

The following evidence was reviewed to confirm the completion of corrective actions associated with this CAR:

1. Email dated 12/10/13, appointing VE Experts for INL Building CPP-666
2. CCP Standing Order CCP-SO-108, Rev. 0
3. Employee acknowledgement of the issuance of CCP-SO-108, including verification of the acknowledgement in the CCP Integrated Data Center (IDC) on 1/2/14.
4. List of Qualified Individuals (LOQI), dated 12/9/13 and 12/10/13 reflecting VE Experts by appointed facility.

Based on the results of the review of the objective evidence included in the CAR 14-006 closure package, it is recommended that CAR 14-006 be closed.

Berry D. Pace

Verification Performed By: Berry D. Pace

1/6/14

Date

OBJECTIVE EVIDENCE COMPILED DURING THE AUDIT

The objective evidence supporting Audit A-14-04 is included in the box(es) submitted with this report. A "Content Map" describing the location (using color coding) and identity of all required objective evidence supporting the performance of the audit is included in the box(es).

Table C6-1 Waste Analysis Plan (WAP) Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Waste Analysis Plan (WAP) General Checklist for use at DOE's Generator/Storage Sites

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	WASTE STREAM IDENTIFICATION					
1	Does the generator/storage site define "waste stream" as waste materials that have common physical form that contain similar hazardous constituents, and that are generated from a single process or activity? (Attachment C Section C-0a)	CCP-PO-001 S. C-0a CCP-TP-005 S. 4.4.11 NOTE above	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)**	Y	
2	Are procedures in place to ensure that the generator/storage site assigns one of the Summary Category Groups (S3000-homogeneous solids, S4000-soils/gravel, S5000-debris waste) to each waste stream? (Section C-1b)	CCP-TP-005 S. 4.4.14 S. 4.4.15 CCP-TP-002 S. 4.3	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 2.2	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		Att. 2		**(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)** Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01 **(AK-11)**		
3	Are procedures in place to ensure that the generator/storage site assigns Waste Matrix Code Groups (e.g., solidified inorganics, solidified organics, salt waste, soils, combustible waste, filters, graphite, heterogeneous debris waste, inorganic nonmetal waste, lead/cadmium metal, uncategorized metal) to each waste stream? (Section C-0a)	CCP-TP-005 S. 4.4.13 NOTE Above CCP-TP-002 S. 4.3 Att. 2	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 2.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01,	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)** Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01 **(AK-11)**		
4	Are procedures in place to ensure that the generator/storage site assigns a Waste Stream WIPP Identifier (ID) to each waste stream? (Section C3-12b(1))	CCP-TP-002 S. 4.3 Att. 2	Y	Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)** Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				waste stream SR-RH-221H.01 **(AK-11)**		
4a	Are procedures in place for generator/storage sites to submit an AK Sufficiency Determination (Determination Request) to the Permittees to meet all or part of the waste characterization requirements including: • All information specified in Permit Attachment C4, Section C4-3d • Identification of relevant hazardous constituents, and correctly identifies all toxicity characteristic and listed hazardous waste numbers • All hazardous waste number assignments must be substantiated by supporting data and, if not, whether this lack of substantiation compromises the interpretation • Resolution of data discrepancies between different AK sources must be technically correct and documented • The AK Summary includes all the identification of waste material parameter weights by percentage of the material in the waste stream, and determinations are technically correct • All prohibited items specified in the TSDF-WAC should be addressed, and conclusions drawn are technically adequate and substantiated by supporting information • If the AK record includes process control information specified in Permit Attachment C4, Section C4-3b, the information should include procedures, waste manifests, or other documentation demonstrating that the controls were adequate and sufficient. • The site must provide the supporting information necessary to substantiate technical conclusions within the Determination Request, and this information must be correctly interpreted. (Section C-0b, Section C4-3d)	CCP-TP-005 S. 4.7	Y	N/A	N/A	An AK Sufficiency Determination is not being sought for any SRS waste streams examined during this audit.
4b	If a generator/storage site does not submit a Determination Request or if the Determination Request is not approved, are procedures in place for the generator/storage site to perform radiography or VE on 100% of the containers in a waste stream and chemical sampling and analysis on a representative sample of the waste stream using headspace gas sampling and analysis (for debris waste) or solids sampling and analysis (for homogeneous solid or soil/gravel waste) as specified in Permit Attachments C1 and C2? (Section C-0b)	CCP-PO-001 S. C-0b CCP-TP-001 S. 3.1 CCP-TP-002 (All) CCP-TP-500 S. 3.4, 4.4	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N	Y	No determination request has been submitted since last audit.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		Att. 3		ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**		
4c	Are procedures in place to ensure that the generator/storage sites complete a Waste Stream Profile Form (WSPF) and Characterization Information Summary (CIS) as specified in Permit Attachment C3, Sections C3-12b(1) and C3-12b(2)? (Section C-0c)	CCP-TP-002 S. 1.1	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	
5	Are procedures in place to ensure that the generator/storage site divides waste streams into waste stream lots if all of the waste within a waste stream is not accessible for sampling and analysis, as required, at one time? If so, is the division of waste streams into waste stream lots based on staging, transportation and handling issues? (Section C-1a)	CCP-PO-001 S. C-1a CCP-TP-002 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	
6	Are procedures in place to ensure that the generator/storage site assigns EPA hazardous waste numbers associated with the waste? If so, do these assigned EPA hazardous waste numbers correspond to the permitted EPA hazardous waste numbers in Table C-9? Are there any assigned EPA hazardous waste numbers that are not permitted EPA hazardous waste numbers on the Table C-9? If so, did the generator/storage site reject the waste for shipment to and disposal at WIPP? Did	CCP-TP-005 S. 4.4.16- 4.4.21 Att. 5	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7,	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	the generator assign a state hazardous waste codes or numbers? If so, is it assigned to waste that is permitted at WIPP? (Section C-1b)			S. 6.4.3, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)**		
7	Are procedures in place to ensure that Summary Category Groups are defined as follows: S3000- Homogeneous solids are solid material, inorganic process residues, inorganic sludges, salt waste, and pyrochemical salt waste excluding soils, that do	CCP-TP-005 S. 4.4.14	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B,	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	not meet NMED criteria for classification as debris and are at least 50 percent by volume homogeneous solids or comprise the majority of the waste stream S4000- Waste streams that are at least 50 percent by volume soil/gravel, or comprise the majority of the waste stream S5000- Waste streams that are at least 50 percent volume materials that meet the NMED criteria for debris, or comprise the majority matrix of materials. The criteria for debris are solid materials intended for disposal that exceed 2.36 inch particle size and is a manufactured object, plant or animal matter, or natural geologic material. Particles smaller than 2.36 inches in size may be considered debris if the debris is a manufactured object and if it is not a particle of S3000 or S4000 material. (Section C-0a)			CCP-AK-SRS-12 R7, S. 2.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)** Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01 **(AK-11)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
8	Does the generator/storage facility have procedures in place to ensure that the following waste characterization parameters will be obtained: • Determination whether TRU mixed waste streams comply with the applicable provisions of the TSDF-WAC • Determination whether TRU mixed wastes exhibit a hazardous characteristic per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart C) • Determination whether TRU mixed wastes are listed per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart D) • Estimation of waste material parameter weights (Section C-2)	CCP-TP-005 S. 4.4.16 S. 4.4.17 S. 4.4.27 S. 4.4.31 S. 4.4.34[K], [L] & [M] CCP-TP-001 S. 4.2 CCP-TP-002 S. 4.0 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7,	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				S. 6.4.3.5, 6.4.3.6, 6.4.4 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3.6, 6.4.3.7, 6.4.4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3.5, 5.4.4, 5.4.5 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01,CCP-AK-SRS-600 R1, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-5)** NCRs for prohibited items **(AK-24)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3 **(AK-1)** Att. 6, Waste Form, Waste Material Parameters, Prohibited		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S.6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S.5.4.3, **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S.5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.1.2, table 6-1 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.1.2, table 6-1 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.1.2, table 6-2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.1.2, table 2 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 6.4.1.2, table 1 **(AK-5)** AK Att. 6, Waste Form,		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)**		
9	Are procedures in place to ensure that waste streams identified to contain incompatible materials or materials incompatible with waste containers cannot be shipped unless treated to remove the incompatibility? (Section C-1c)	CCP-TP-005 S. 4.4.31 & 4.4.34[K] CCP-TP-001 S. 2.7 & 4.0 CCP-TP-035 S. 4.3 and note, Att.2, Att.3 CCP-TP-500 S. 4.4	Y	AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)** NCRs for prohibited items **(AK-24)** IDC database with "reject" field **(AK-29)** Container inspection reports **(AK-26)** "Hold" tag **(AK-25)**	Y	
10	Are procedures in place to ensure that the generator/storage site uses acceptable knowledge and, as necessary, headspace-gas sampling and analysis, radiography, (visual examination), and homogeneous waste sampling and analysis as specified in Table C-5? (Section C-3)	CCP-TP-005 S. 4.4 S. 4.5 CCP-PO-001 S. C-3 CCP-TP-001 S. 4.2 CCP-TP-002 S. 4.2 CCP-TP-500	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		S. 3.4, 4.4 Att. 3		SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(AK-3) CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** **Traceability BDRs** <u>RTR</u> SR4RTR0230 **(AK-37)** SR4RTR0301 **(AK-38)** SR4RTR0107 **(AK-39)** SRLBR0069 **(AK-40)** SRSRTR0573 **(AK-41)** SR4RTR0220 **(AK-42)** <u>VE</u> SRSRHVE13001 **(AK-43)** <u>HSG S&A</u> SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** <u>Solids S&A</u> SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)**		
	UNACCEPTABLE WASTE					
<u>12</u>	Are procedures in place to ensure that the generator/storage site ensures, through administrative and operational procedures and characterization techniques, that	CCP-TP-001 S. 4.2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	

	waste containers do not include the following unacceptable waste:
	• liquid waste is not acceptable at WIPP. Liquid in the quantities delineated below is acceptable
	  • Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of radiography or visual examination
	  • Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited
	  • Containers with Hazardous Waste number U134 assigned shall have no observable liquid
	  • Overpacking the outermost container that was examined during radiography or visual examination or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits
	• non-radionuclide pyrophoric materials
	• hazardous wastes not occurring as co-contaminants with TRU wastes (non-mixed hazardous wastes)
	• wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes
	• wastes containing explosives or compressed gases (continued below)
		CCP-TP-002
		Att. 1 & 2
		
		CCP-TP-500
		S. 3.4, 4.4
		Att. 3
				SR-MD-SOIL, R1,
				WSPF/CIS, lot 6
				(GEN-2)
				SR-SDD-HET-A
				WSPF/CIS, lot 1
				(GEN-3)
				Draft SR-RH-SDD.01
				(GEN-4)
				SR4RTR0356
				SRLBR0087
				SRLBR0078
				SR4RTR0301
				SRLBR0110
				SRLBR0088
				(GEN-5)
				SSG12-00007
				ALD12030V
				ALD12030S
				ALD12030N
				ALD12030M
				ALD12030F
				ALD12030H
				SSC12-00006
				ALD12031V
				ALD12031S
				ALD12031N
				ALD12031M
				(GEN-6)
				SRHSG1228
				ECL12046M
				SRHSG1301
				ECL13001M
				SRHSG1304
				ECL13007M
				(**GEN-7)**
				SRSRHVE13001
				(GEN-8)		

12a	• wastes with polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization • wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003) • waste that has ever been managed as high-level waste and waste from tanks specified in Table C-8, unless specifically approved through a Class	CCP-TP-001 S. 4.2 CCP-TP-002 Att. 1 & 2 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	3 permit modification • any waste container from a waste stream (or waste stream lot) which has not undergone either radiographic or visual examination of a statistically representative subpopulation of the wastes stream in each shipment pursuant to Permit Attachment C7 • any waste container from a waste stream which has not been preceded by an appropriate, certified Waste Stream Profile Form (see Section C-1d) (Section C-1c)			Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**		
	WASTE ACCEPTANCE CONTROL					
14	Are procedures in place to ensure that the generator/storage site uses a Waste Stream Profile Form (WSPF) which includes, at a minimum, the information indicated on the attached WSPF found in Figure C-1 and a Characterization Information Summary (CIS) prior to waste disposal at the WIPP? (Section C-1d)	CCP-TP-002 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	
16	Are procedures in place to ensure that additional WSPFs are provided to WIPP and	CCP-TP-002 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	NMED for waste streams or portions of waste streams that are reclassified based upon waste characterization information? (Section C-1d)			**(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**		
16a	Are criteria in place to determine the specific circumstances under which a WSPF is revised versus when a new WSPF is required? (Section C-1d)	CCP-TP-002 S. 4.7	Y	N/A	N/A	There were no examples of revisions to WSPFs for the waste streams examined during this audit
	LABORATORY QUALIFICATION					
17	Are procedures in place to ensure that the generator/storage site conduct analyses using laboratories that are qualified through participation in the Performance Demonstration Program (PDP) for headspace gas sampling and analysis, and PDP homogeneous waste sampling and analysis? (Section C-3a(3))	CCP-TP-056 (All) CCP-PO-024 S. 4.18.2[P]	Y	N/A	N/A	A-14-04 is not a laboratory qualification audit.
18	Are procedures in place to ensure that the generator/storage sites conduct analyses using laboratories that implement the analytical methods through laboratory-documented standard operating procedures (SOPs) that ensure that analytical QAOs are met? (Section C-3a(3))	N/A	N/A	N/A	N/A	A-14-04 is not a laboratory qualification audit.
19	Are procedures in place to ensure that documented laboratory QA/QC programs include the following: • Facility organization • List of equipment/instrumentation • Operating procedures • Laboratory QA/QC procedures • Quality assurance review • Laboratory records management (Section C-4a(4))	N/A	N/A	N/A	N/A	A-14-04 is not a laboratory qualification audit.
	GENERAL SAMPLING AND ANALYTICAL REQUIREMENTS					
20	Are procedures in place to ensure that headspace gas sampling and analysis shall	CCP-TP-005	Y	SR-SDD-HET-A	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	be used to: • Determine the types and concentrations of VOCs in the void volume of waste containers • VOC constituents shall be compared to those assigned by Acceptable Knowledge (Section C-3a(1))	S. 4.5.3		WSPF/CIS, lot 1 (**GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**		
22	Are procedures in place to ensure that compounds not on the list of target analytes are reported as tentatively identified compounds (TICs) and that the TIC will be added to the target analyte list if it appears in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list and if they are reported in 25% of the waste containers sampled from a given waste stream? (Section C-3a(1))	CCP-TP-003 S. 4.3 CCP-TP-002 Att. 5 & 6	Y	SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**	Y	Regarding HSG, the listing of compounds is monitored by the project office.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
23	Are procedures in place to ensure that a randomly selected set of samples will be collected through core sampling or other EPA approved sampling from the population of waste containers for homogeneous and soil/gravel waste streams? Are procedures in place that a sufficient number of samples are collected to evaluate the toxicity characteristic of a waste stream at a 90 percent Upper Confidence limit as specified in Attachment C2? (Section C-3a(2))	CCP-TP-162 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** Solid Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Absorbed Organic Liquids, Waste Stream SR-W027-321-322M-HOM Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-10)** Solids Random Selection Memorandum For The First Random Sample Lot Of Containers Of CH Hydraulic Sludge And Debris, Waste Stream SR-BCLDP.003.001 Being Characterized By The Central Characterization Project At The Savannah River Site	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(GEN-11) SSC12-00006 SSG12-00007 **(SOL-1)**		
24	Are procedures in place to ensure that total analyses or TCLP of VOCs, SVOCs, and RCRA-regulated metals are performed on all core samples to determine if the waste exhibits a toxicity characteristic? (Section C-3a(2))	N/A	N/A	N/A	N/A	Solids analysis is not performed at SRS/CCP.
25	Are procedures in place to ensure that Acceptable Knowledge is used in waste characterization activities to delineate TRU mixed waste streams, to assess whether TRU mixed wastes comply with the TSDF-WAC, to assess whether TRU mixed waste exhibits a hazardous characteristic (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart C), and to assess whether TRU wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart D), and to estimate waste material parameter weights? (Section C-3b)	CCP-TP-005 S. 4.4.11 S. 4.4.16 S. 4.4.17 S. 4.4.27 S. 4.4.31 S. 4.4.34[K], [L] & [M] CCP-TP-500 S. 4.4	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 2.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** CCP AK Summary Report for SRS Solid	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3.5, 6.4.3.6, 6.4.4 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3.6, 6.4.3.7, 6.4.4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3.5, 5.4.4, 5.4.5 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01,CCP-AK-SRS-600 R1, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-5)** NCRs for prohibited items **(AK-24)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(AK-1) CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3, **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.1.2, table 6-1 **(AK-1)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.1.2, table 6-1 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.1.2, table 6-2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.1.2, table 2 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 6.4.1.2, table 1 **(AK-5)** Memos attached to AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)**		
26	Are procedures in place to ensure that radiography and/or visual examination are used as necessary to: • Examine a waste container to determine the physical form	N/A	N/A	N/A	N/A	Refer to C6-1, March 13, 2013

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Identify observable liquid in excess of TSDF-WAC limits and containerized gases • Verify the physical form matches the waste stream description (Section C-3c)					
27	Are procedures in place to ensure that the following characterization activities shall occur for newly generated wastes: • Acceptable Knowledge for all wastes, with sampling and analysis as necessary to augment AK including; - Either visual examination during packaging or radiography (or VE in lieu of radiography) after packaging for all waste containers, ensuring this occurs prior to any treatment designed to supercompact waste - Headspace gas analysis for randomly selected containers, except for qualifying waste containers belonging to LANL sealed sources waste streams - Total VOC, SVOC, and Metals analyses for a selected number of homogeneous solids and soil/gravel waste containers as specified in Attachment C2 - Evaluation of any TICs found in headspace gas and totals analyses (Section C-3d(1))	CCP-TP-005 S. 4.4 S. 4.5 CCP-TP-002 (All) CCP-TP-162 (All)	Y	N/A	N/A	No newly generated Waste for SRS/CCP.
27a	Are procedures in place to ensure that the visual examination during packaging for all waste containers includes the documentation of packaging configuration, type and number of filters, and rigid liner vent hole presence and diameter necessary to determine the appropriate DAC in accordance with Permit Attachment C1, Section C1-1? (Section C-3d(1))	N/A	N/A	N/A	N/A	For VE refer to C6-1 dated March 31, 2013.
28	Are procedures in place to ensure that the following characterization activities shall occur for retrievably stored wastes: • Acceptable Knowledge for all wastes, with sampling and analysis as necessary to augment AK including; - Visual examination or radiography for all waste containers - Headspace gas analysis for randomly selected containers except for qualifying waste containers belonging to LANL sealed sources waste streams	CCP-TP-005 S. 4.4 S. 4.5 CCP-TP-002 (All) CCP-TP-162 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	- Total VOC, SVOC, and Metals analyses for a statistically selected number of homogeneous solids and soil/gravel waste containers as specified in Attachment C2 - Evaluation of any TICs found in headspace gas and totals analyses (Section C-3d(2))			Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** Solid Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Absorbed Organic Liquids, Waste Stream SR-W027-321-322M-HOM Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-10)** Solids Random Selection Memorandum For The		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				First Random Sample Lot Of Containers Of CH Hydraulic Sludge And Debris, Waste Stream SR-BCLDP.003.001 Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-11)** -Headspace Gas Random Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Heterogeneous Debris, Waste Stream SR-BCLDP-HET, Being Characterized By The CCP At The SRS; -Subsequent Headspace Gas Random Sample Selection Candidate Memorandum For The Third Random Sample Lot Of Containers Of Heterogeneous Debris Waste, Waste Stream SR-W027-773A-HET, Being Characterized By The CCP At The SRS; - Revised Headspace Gas Sample Selection Candidate Memorandum For The First Random Selection Lot Of Containers Of Heterogeneous Debris Waste, Waste Stream SR-SWMF-HET-B, Being Characterized By The CCP At The SRS; -Revised Headspace Gas Random Sample		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Selection Memorandum For Waste Stream SR-RH-221H.01, Lot 1, Characterized By The CCP At The SRS **(GEN-13)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** <u>RTR</u> SR4RTR0230 **(AK-37)** SR4RTR0301 **(AK-38)** SR4RTR0107 **(AK-39)** SRLBR0069 **(AK-40)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SRSRTR0573 **(AK-41)** SR4RTR0220 **(AK-42)** <u>VE</u> SRSRHVE13001**(AK-43)** <u>HSG S&A</u> SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** <u>Solids S&A</u> SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Random Container Selection Memos **(AK-33)** HSG Summary Report (CIS) **(AK-34)** Solids S&A Random Container Selection Memo **(AK-35)** Solids Summary Reports **(AK-36)** Waste Stream Characterization Checklists and AK Data Reconciliation **(AK-58)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	DATA GENERATION, VERIFICATION, VALIDATION, DOCUMENTATION, AND QUALITY ASSURANCE					
30	Are procedures in place to ensure that the following Data Quality Objectives are met: • Use Acceptable Knowledge to delineate TRU mixed waste streams, assess whether TRU mixed wastes comply with the applicable requirements of the TSDF-WAC, assess whether TRU mixed wastes exhibit a hazardous characteristic, assess whether TRU mixed wastes are listed and to estimate waste material parameter weights • Use Headspace gas sampling and analysis, as necessary, to identify and quantify VOCs in waste containers to resolve the assignment of EPA hazardous waste numbers • Perform totals analyses of homogeneous solids and soils/gravel wastes to establish if the waste is hazardous based on the toxicity characteristics levels in 20.4.1.200 NMAC through a comparison of the upper confidence limits (UCL_{90}) of the mean concentrations to resolve the assignment of hazardous waste numbers • Use radiography or visual examination to determine physical waste form, the absence of prohibited items, and additional waste characterization techniques that may be used based on Summary Category Groups (Section C-4a(1))	CCP-TP-005 S. 4.4.11 S. 4.4.16 S. 4.4.17 S. 4.4.27 S. 4.4.31 S. 4.4.34[K], [L] & [M] CCP-TP-500 S. 4.4 CCP-TP-002 (All)	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 2.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3.5, 6.4.3.6, 6.4.4 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-2)**		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3.6, 6.4.3.7, 6.4.4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3.5, 5.4.4, 5.4.5 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01,CCP-AK-SRS-600 R1, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-5)** NCRs for prohibited items **(AK-24)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 4.3, **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.1.2, table 6-1 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.1.2, table 6-1 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.1.2, table 6-2		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(AK-3) CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.1.2, table 2 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 6.4.1.2, table 1 **(AK-5)** Memos attached to AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)**		
31	Are procedures in place to ensure that the following Quality Assurance Objectives are adequately defined and assessed for each characterization method: • Precision as a measure of the mutual agreement among multiple measurements. • Accuracy as the degree of agreement between a measurement result and a true or known value. • Completeness is a measure of the amount of valid data obtained from a method compared to the total amount of data obtained that is expressed as a percentage. • Comparability is the degree to which one data set can be compared to another data set. • Representativeness as an expression of the degree to which data represent characteristics of a population. (Section C-4a(2))	CCP-TP-106 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	Solids sampling and analysis are not performed at SRS/CCP. Solids QAOs are monitored by the Project Office. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
32	With respect to data generation, are procedures in place to ensure that the generator/storage site's waste characterization program meets the following general requirements: • Analytical data packages and batch data reports must be reported accurately in a pre-approved format, must be maintained in permanent files, and must be traceable? • All data must receive a technical review by another qualified analyst? (Section C3-10a)	CCP-TP-106 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	Solids sampling and analysis are not performed at SRS/CCP. Solids QAOs are monitored by the Project Office. For RTR/VE refer to C6-1 dated March 13, 2013.
33	Are procedures in place to ensure that the generator/storage site performs validation of waste characterization data for each waste container? (Section C-4)	CCP-TP-001 S. 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3 CCP-TP-106 S. 4.1 Att. 2	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**		
34	Are procedures in place to ensure that the generator/storage site has a pre-approved format for reporting waste characterization data? (Section C-4a(4))	CCP-TP-001 S. 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3 CCP-TP-106 S. 4.1 Att. 1 and Att. 2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** SRHSG1223	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**		
35	Are procedures in place to ensure that the generator/storage site prepares analytical, testing, and sampling batch data reports to meet the requirements of their own site-specific QAPjP and/or SOPs? (Section C-4a(4))	CCP-TP-001 S. 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3 CCP-TP-106 S. 4.1 Att.1 and Att. 2	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)** SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SRHSG1301 SRHSG1303 **(HSG-1)**		
36	Are procedures in place to ensure that all raw data is collected and managed at the data generation level in accordance with the following criteria: • All raw data shall be signed and dated in reproducible ink by the individual collecting the data, or signed and dated using electronic signatures • All data shall be recorded clearly, legibly, and accurately in field and laboratory records and include all applicable sample identification numbers • All changes to original data shall be lined out, initialed, and dated by the individual making the change. Original data may not be obliterated or otherwise be made unreadable • All data shall be transferred and reduced from field and laboratory records completely and accurately • All field and laboratory records shall be maintained as specified in Table C-6 of Attachment C • Data shall be organized into standard reporting formats for reporting purposes. • All electronic and video data must be stored to ensure that waste container, sample and QC data are readily retrievable (Section C3-10a)	CCP-TP-106 S. 4, 5.0 Att.1 and Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.
37	Are procedures in place to ensure that 100% of batch data reports are subject to independent technical review by an individual qualified to review the data who was not involved in the generation or recording of the data under review. The reviewer shall release the data through signature with an associated review checklist prior to characterization of the associated waste and shipment to the WIPP. The review shall ensure the following, as applicable: • Data generation and reduction were conducted according to the methods used and reported in the proper units and significant figures • Calculations have been verified by a valid calculation program, a spot check of verified calculation programs, and/or a 100 percent check of all hand calculations • The data have been reviewed for transcription errors • The testing, sampling, and analytical QA documentation for BDRs is complete and includes, as applicable, raw data, DAC and equilibrium calculations and times, calculation records, chain of custody forms, calibration records, QC sample results and copies or originals of gas	CCP-TP-106 S. 4.1, 5.0 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	canister sample tags. • All QC sample results are within established control limits, and if not, the data has been appropriately qualified • Reporting flags were assigned correctly • Sample holding times and preservation requirements were met, or exceptions documented • Radiography tapes are reviewed on a waste container basis at a minimum of once per testing batch or once per day of operation, whichever is less frequent. The radiography tape will be reviewed against the data on the radiography form to ensure that data are complete and correct • Field sampling records are complete • QAOs have been met (Section C3-10a(1))					
40	Are procedures in place to ensure that 100 percent of all batch data reports receive a Site Project Manager signature release with an associated review checklist prior to characterization of the associated waste and shipment to the WIPP. This release shall ensure the following: • The Site Project Manager or designee shall determine the validity of the drum age criteria (**DAC**) assignment made at the data generation level based upon an assessment of the data collection and evaluation necessary to make the assignment. • Testing batch QC checks were properly performed. Radiography data are complete and acceptable based on evidence of videotape review of one waste container per day or once per testing batch, whichever is less frequent • Sampling batch QC checks were properly performed, and meet the established QAOs and are within established data usability criteria • Analytical batch QC checks were properly performed and meet the established QAOs and are within established data usability criteria • Online batch QC checks were properly performed and meet the established QAOs and are within established data usability criteria • Proper procedures were followed to ensure representative samples of headspace gas and homogeneous solids and soil/gravel were taken • Data generation level independent technical review, validation, and verification have been performed as evidenced by the completed review	CCP-TP-001 S. 4.2 CCP-TP-162 (All) CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7** SRSRHVE13001	Y	5th Bullet – N/A, SRS/CCP does not use on-line analysis systems

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	checklists and appropriate signature releases. • Independent technical reviewers were not involved in the generation or recording of the data under review. • Batch Data review checklists are complete • Batch Data Reports are complete and data properly reported • Verify that data are within established data assessment criteria and meet all applicable QAOs (Section C3-10(b)(1))			**(GEN-8)** Solid Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Absorbed Organic Liquids, Waste Stream SR-W027-321-322M-HOM Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-10)** Solids Random Selection Memorandum For The First Random Sample Lot Of Containers Of CH Hydraulic Sludge And Debris, Waste Stream SR-BCLDP.003.001 Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-11)** -Headspace Gas Random Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Heterogeneous Debris, Waste Stream SR-BCLDP-HET, Being Characterized By The CCP At The SRS; -Subsequent Headspace Gas Random Sample Selection Candidate Memorandum For The Third Random Sample Lot Of Containers Of Heterogeneous Debris		

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste, Waste Stream SR-W027-773A-HET, Being Characterized By The CCP At The SRS; -Revised Headspace Gas Sample Selection Candidate Memorandum For The First Random Selection Lot Of Containers Of Heterogeneous Debris Waste, Waste Stream SR-SWMF-HET-B, Being Characterized By The CCP At The SRS; -Revised Headspace Gas Random Sample Selection Memorandum For Waste Stream SR-RH-221H.01, Lot 1, Characterized By The CCP At The SRS **(GEN-13)**		
42	Are procedures in place to ensure that a repeat of the data review process at the data generation level will be performed on a minimum of one randomly chosen waste container every quarter to determine if the verification and validation is performed according to documented procedures? (Section C3-10b)	CCP-TP-001 S. 4.3	Y	CP:13:01158, Request CP:13:01189, Results CP:13:01456, Request CP:13:01496, Results CP:13:01309, Request CP:13:01362, Results CP:13:01159, Request CP:13:01188, Results CP:13:01022, Request CP:13:01066, Results CP:13:01023, Request CP:13:01091, Results CP:13:01019, Request CP:13:01133, Results CP:13:01131, Request CP:13:01160, Results CP:13:01130, Request CP:13:01171, Results CP:13:01290, Request CP:13:01345, Results CP:13:01487, Request CP:13:01503, Results CP:13:01488, Request	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(**GEN-14)**		
43	Are procedures in place and checklists are available to prepare a Site Project Manager (SPM) Summary and a Data Validation Summary (the summaries may be in the same document)? The SPM Summary includes a validation checklist for each batch that is of sufficient detail to document all aspects of a batch data report that could affect data quality. The Data Validation Summary must identify each Batch Data Report reviewed, describe how the validation was performed, identify all problems, and identify all acceptable and unacceptable data. Summaries must include release signatures. (Section C3-10b(2))	CCP-TP-001 S. 3.1.6, 3.1.8 & 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**	Y	
44	Are procedures in place to ensure that non-administrative, WAP-related nonconformances first identified at the site project manager level are reported to the Permittees within seven calendar days of identification, that nonconformance reports are prepared within 30 calendar days, and that corrective action is implemented prior to waste shipment? (Section C3-13)	CCP-QP-005 S. 4.3 Att. 3	Y	NCRs evaluated (none of these were reportable): NCR-RHSRS-0565-12, R0; NCR-SRS-0180-13, R0; NCR-SRS-0240-13, R2; NCR-SRS-0254-13, R0; NCR-SRS-0257-13, R0; NCR-SRS-0237-13, R0; NCR-SRS-0248-13, R0; NCR-SRS-0165-13, R0; NCR-SRS-0174-13, R0; **(GEN-16)** CH Non-conformance Report Logs for Project Level and Data	Y	There was no reportable CH or RH NCRs since the previous recertification audit. Verified that CCP personnel are familiar with the process for reporting NCRs to the Permittee (via email to CBFO through "WIPP Notify") within the required amount of days by the Permit.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Generation Level dated 01/04/2013 and 01/08/2013 respectively; RH Non-conformance Report Logs for Project Level and Data Generation Level both dated 01/04/2013 **(GEN-17)**		
45	Are procedures in place to ensure that any waste container for which a nonconformance report (NCR) has been written will not be shipped to the WIPP facility unless the condition that led to the NCR for that container is appropriately identified, reconciled, corrected, and documented? Are nonconformance reports prepared for nonconformances identified? Are nonconformances identified and tracked, and does the Site Project Manager oversee the nonconformance report process? (Section C3-13)	CCP-QP-005 (All)	Y	Records packages for the following NCRs were evaluated: NCR-RHSRS-0565-12, R0; NCR-SRS-0180-13, R0; NCR-SRS-0240-13, R2; NCR-SRS-0254-13, R0; NCR-SRS-0257-13, R0; NCR-SRS-0237-13, R0; NCR-SRS-0248-13, R0; NCR-SRS-0165-13, R0; NCR-SRS-0174-13, R0; NCR-LANL-0725-13, R0 **(GEN-16)** CH Non-conformance Report Logs for Project Level and Data Generation Level dated 01/04/2013 and 01/08/2013 respectively; RH Non-conformance Report Logs for Project Level and Data Generation Level both dated 01/04/2013 **(GEN-17)**	Y	LANL NCR-LANL-0725-13 was included in this review as it was one of four NCRs that were evaluated by CCP to be similar in scope; the issue of frequent occurrence of scope being resolved under a WIPP Form corrective action.
	SAMPLE CONTROL					
46	Are procedures in place to ensure that the site's sample handling and control program includes the following: • Field documentation of samples including point of origin, date of sample, container identification, sample type, analysis requested, and chain-of-custody (COC) number? • Proper labeling and/or tagging including proper sample numbering, sample	CCP-TP-093 S. 4.4.4, 4.5 Att. 1 & 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	identification, sample date, sampling conditions, and analysis requested? • COC record including name of sample relinquisher, sample receiver, and date and time of sample transfer? and • Proper sample handling and preservation? (Section C-4a(3))			SRHSG1303 **(HSG-1)**		
47	Are procedures in place to ensure that the site's QAPjP or site-specific procedures includes COC forms to control the sample from the point of origin to the final analysis result reporting? (Section C-4a(3))	CCP-TP-093 S.4 Att.1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling is not performed at SRS/CCP.
	DATA TRANSMITTAL					
48	Are procedures in place to ensure that the generator/storage site transmits data by hard copy or electronic copy from the data generation level to the site project level? If electronic, does the generator/site have a hard copy available on demand? (Section C-4a(6))	CCP-TP-001 S. 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(GEN-7) SRSRHVE13001 **(GEN-8)**		
50	Are procedures in place to ensure that the generator/storage site inputs the data into the WWIS manually or electronically? (Section C-4a(6))	CCP-TP-030 (All) CCP-TP-530 (All)	Y	CH Waste Characterization Case Files for the containers HBL110034, HBL120523, MD0504544A, SD00005621, SR503978, and SR54064311 **(GEN-18)**	Y	CH Waste Characterization Case Files include Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) signed spreadsheet copies, supporting forms and data, and WWIS/WDS Waste Container Data Reports. There was no objective evidence reviewed for RH containers, as there is currently no RH WSPF approved at SRS.
51	Are procedures in place to ensure that the generator/storage site enters the data into the WWIS in the exact format required by the database? (Section C-4a(6))	CCP-TP-030 (All) CCP-TP-530	Y	CH Waste Characterization Case Files for the containers HBL110034, HBL120523, MD0504544A, SD00005621, SR503978, and SR54064311 **(GEN-18)**	Y	CH Waste Characterization Case Files include Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) signed spreadsheet copies, supporting forms and data, and WWIS/WDS Waste Container Data Reports. There was no objective evidence reviewed for RH containers, as there is currently no RH WSPF approved at SRS.
51a	Are procedures in place to ensure that if a container was part of a composite headspace gas sample, the analytical results from the composite sample must be assigned as the container headspace gas data results, including associated TICs, for every waste container associated with the composite sample in the WWIS? (Section C3-12b(4))	N/A	N/A	N/A	N/A	SRS/CCP does not composite headspace gas samples.
52	Are procedures in place to ensure all of the data presented on Table C-7 of the Permit is transmitted to the WWIS? (Table C-7)	CCP-TP-030 (All) CCP-TP-530 (All)	Y	CH Waste Characterization Case Files for the containers HBL110034, HBL120523, MD0504544A, SD00005621, SR503978, and SR54064311 **(GEN-18)**	Y	CH Waste Characterization Case Files include Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) signed spreadsheet copies, supporting forms and data, and WWIS/WDS Waste Container Data Reports. There was no objective evidence reviewed for RH containers, as there is currently no RH WSPF approved at SRS.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	RECORDS AND RECORD MANAGEMENT					
55	Are procedures in place to ensure that the generator/storage site's hard copy and/or electronic data reports follow the Permittees' format requirements? (Section C-4a(4))	CCP-TP-001 S. 4.2 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**	Y	
56	Are procedures in place to ensure that hard copy or electronic Waste Stream Profile Form will include the following:	CCP-TP-002 S. 4.3 Att. 2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1,	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Generator/storage site name • Generator/storage site EPA ID • Date of audit report approval by NMED (if obtained) • Original generator of waste stream • Whether waste is Contact-Handled or Remote-Handled • Waste Stream WIPP Identification Number • Summary Category Group • Waste Matrix Code Group • Waste Material Parameter Weight Estimates per unit of waste • Waste stream name • A description of the waste stream • Applicable EPA hazardous waste codes numbers • Applicable TRUCON codes • A listing of acceptable knowledge documentation used to identify the waste stream • The waste characterization procedures used and the reference and date of the procedure • Certification signature of Site Project Manager, name, title, and date signed (Section C3-12b(1))			WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**		
56a	Are procedures in place to ensure that hard copy or electronic Characterization Information Summary will include the following: • Data reconciliation with DQOs • Headspace gas summary data listing the identification numbers of samples used in the statistical reduction, the maximum, mean, standard deviation, UCL_{90}, RTL, and associated EPA hazardous waste numbers that must be applied to the waste stream. • Total metal, VOC, and SVOC analytical results for homogeneous solids and soil/gravel (if applicable). • TIC listing and evaluation. • Radiography and visual examination summary to document that all	CCP-TP-002 S. 4.4	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	prohibited items are absent in the waste (if applicable). • A complete listing of all container identification numbers used to generate the Waste Stream Profile Form, cross-referenced to each Batch Data Report. • Complete AK summary, including stream name and number, point of generation, waste stream volume (current and projected), generation dates, TRUCON codes, Summary Category Group, Waste Matrix Code(s) and Waste Matrix Code Group, other TWBIR information, waste stream description, areas of operation, generating processes, RCRA determinations, radionuclide information, all references used to generate the AK summary, and any other information required by Permit Attachment C4, Section C4-2b. • Method for determining Waste Material Parameter Weights per unit of waste. • List of any AK Sufficiency Determinations requested for the waste stream. • Certification through acceptable knowledge or testing and/or analysis that any waste assigned the hazardous waste number of U134 (hydrofluoric acid) no longer exhibits the characteristic of corrosivity. This is verified by ensuring that no liquid is present in U134 waste. • A justification for the selection of radiography and/or VE as an appropriate method of characterizing the waste. (Section C3-12b(2))					
56b	Are procedures in place to assure that ongoing container characterization results are cross referenced to Batch Data Reports? (Section C3-12b)	CCP-TP-002 S. 4.4	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**		
58	Are procedures in place to ensure that project level reports are compiled into Characterization Information Summaries? (Section C3-12b)	CCP-TP-002 S. 4.4	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	
59	Are procedures in place to ensure that the generator/storage site uses forms for data reporting that are pre-approved forms in site-specific documentation? (Section C3-12)	CCP-TP-106 S. 4.1 Att. 1 and Att. 2 CCP-TP-093 S. 4.4.4, 4.5 Att. 1 and Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
60	Are procedures in place to ensure that the generator/storage site's site project manager submits to the WIPP facility a summary of the waste stream information and reconciliation with data quality objectives (DQOs) once a waste stream is characterized? (Section C-4a(6))	CCP-TP-002 S. 4.6	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**	Y	
61	Are procedures in place to ensure that the generator/storage site project office completes a WSPF based on the Batch Data Reports? (C3-12b)	CCP-TP-002 S. 4.3 Att. 2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** SRSRHVE13001 **(GEN-8)**		
62	Are procedures in place to ensure that the generator/storage Site Project Manager submits the WSPF to the Permittees for DOE's approval along with the accompanying Characterization Information Summary for that waste stream? (Section C-4a(6))	CCP-TP-002 S. 4.6	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
63	Are procedures in place to ensure that the generator/storage site maintains records related to waste characterization sampling and analysis activities in the testing, sampling or analytical facilities files, or site project files for those facilities located on-site? (Section C-4a(7))	CCP-QP-008 (All) CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**	Y	
64	Are procedures in place to ensure that the appropriate documented training and indoctrination is performed for all individuals and that procedures are documented in site specific QAPjPs and procedures? (Section C3-14)	CCP-PO-001 (All) CCP-QP-002 S. 4.0	Y	Qualification records for selected CCP personnel **(GEN-23)** CCP – Savannah River Site (SRS) List of Qualified Individuals dated 11/1/2012 **(GEN-22)**	Y	
65	Are procedures in place to ensure that the generator/storage site requires contract waste analytical facilities to forward testing, sampling and analytical records along with testing, sampling and analytical batch data reports to the site project office for inclusion in the sites project files? (Section C-4a(7))	CCP-QP-008 S. 4.10 CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**	Y	
66	Are procedures in place to ensure that the generator/storage site has an appropriate records inventory and disposition schedule (RIDS) or equivalent that was prepared and approved by appropriate site personnel? (Section C-4a(7))	CCP-QP-008 S. 3.1.2 CCP-QP-028 S. 3.1.1	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**	Y	
67	Are procedures in place to ensure that the generator/storage site maintains all records relevant to an enforcement action, regardless of disposition, until they are no longer needed for enforcement action, and then dispositioned per the approved RIDS? (Section C-4a(7))	CCP-QP-008 S. 4.15.1 (Note) CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**	Y	
68	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Lifetime Records for the life of the waste characterization	CCP-PO-002 S. 5.5	Y	CH Records Inventory and Disposition Schedule	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	program plus six years or that the records have been transferred to the WIPP Records Archive facility? Lifetime Records include: • Field sampling data forms, • Field and laboratory COC forms, • Test facility and laboratory Batch Data Reports, • Waste Stream Characterization Package, • Sampling plans, • Data reduction, validation, and reporting documentation, • Acceptable knowledge documentation, • WSPF and Characterization Information Summary (Section C-4a(7), Table C-6)	CCP-QP-008 (All) CCP-QP-028 (All)		(RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**		
69	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Non-Permanent Records for ten years from the date of record generation, and then dispositioned according per the approved RIDS or transferred to the WIPP Records Archive facility? Non-Permanent Records include: • Nonconformance documentation, • Variance documentation, • Assessment documentation, • Gas canister tags, • Methods performance documentation, • PDP documentation, • Sampling equipment certifications, • Calculations and related software documentation, • Training/qualification documentation, • QAPjP documentation (all revisions), • Calibration documentation, • Analytical raw data,	CCP-PO-002 S. 5.5 CCP-QP-008 (All) CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 08/01/2013 **(GEN-19)** RH Records Inventory and Distribution Schedule (RIDS) dated 07/23/2013 **(GEN-20)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Procurement documentation, • QA procedures (all revisions), • Technical implementing procedures (all revisions), and • Audio/video recording (radiography, visual, etc.). (Section C-4a(7), Table C-6)					
70	Are procedures in place to ensure that the generator/storage site has raw data that is identifiable and legible, and provides documentary evidence of quality? (Section C-4a(7))	CCP-TP-093 (All) CCP-TP-106 (All)	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Solids sampling and analysis are not performed at SRS/CCP. For RTR/VE refer to C6-1 dated March 13, 2013.
71	Are procedures in place to ensure that if the generator/storage site ceases to operate, that all records be transferred before closeout? (Section C-4a(7))	CCP-QP-008 S. 4.10.2	Y	NA	NA	This site has not ceased operations.
	SHIPMENT					
72	Are procedures in place to ensure that the generator/storage site accurately completes an EPA Hazardous Waste Manifest prior to shipping the waste to WIPP that contains the following information: • Generator/storage site name and EPA ID • Generator/storage site contact name and phone number • Quantity of waste • List of up to six state and/or federal hazardous waste numbers in each line item • Listing of all container IDS • Signature of authorized generator representative (Section C-5b)	CCP-TP-033 (All)	Y	Hazardous Waste Manifests: 000148443MWI 000148444MWI **(GEN-21)**	Y	
73	Are procedures in place to ensure that the generator/storage site accurately completes the following container specific information: • Waste stream identification number	CCP-TP-033 (All)	Y	Hazardous Waste Manifests: 000148443MWI 000148444MWI **(GEN-21)**	Y	

	WAP Requirement[1] *SRS/CC Recertification* Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• List of hazardous waste numbers per container • Certification data • Shipping data (Section C-5b)					

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Table C6-1 Waste Analysis Plan (WAP) Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Waste Analysis Plan (WAP) General Checklist for use at DOE's Generator/Storage Sites

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	WASTE STREAM IDENTIFICATION					
1	Does the generator/storage site define "waste stream" as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity? (Attachment C Section C-0a)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
2	Are procedures in place to ensure that the generator/storage site assigns one of the Summary Category Groups (S3000-homogeneous solids, S4000-soils/gravel, S5000-debris waste) to each waste stream? (Section C-1b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
3	Are procedures in place to ensure that the generator/storage site assigns Waste Matrix Code Groups (e.g., solidified inorganics, solidified organics, salt waste, soils, combustible waste, filters, graphite, heterogeneous debris waste, inorganic nonmetal waste, lead/cadmium metal, uncategorized metal) to each waste stream? (Section C-0a)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
4	Are procedures in place to ensure that the generator/storage site assigns a Waste Stream WIPP Identifier (ID) to each waste stream? (Section C3-6b(1))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
4a	Are procedures in place for generator/storage sites to submit an AK Sufficiency Determination (Determination Request) to the Permittees to meet all or part of the waste characterization requirements including: • All information specified in Permit Attachment C4, Section C4-3d • Identification of relevant hazardous constituents, and correctly identifies all toxicity characteristic and listed hazardous waste numbers • All hazardous waste number assignments must be substantiated by supporting data and, if not, whether this lack of substantiation compromises the interpretation • Resolution of data discrepancies between different AK sources must be technically correct and documented • The AK Summary includes all the identification of waste material parameter weights by percentage of the material in the waste stream, and determinations are technically correct • All prohibited items specified in the TSDF-WAC should be addressed, and conclusions drawn are technically adequate and substantiated by supporting information • If the AK record includes process control information specified in Permit Attachment C4, Section C4-3b, the information should include procedures, waste manifests, or other documentation demonstrating that the controls were adequate and sufficient. • The site must provide the supporting information necessary to substantiate technical conclusions within the Determination Request, and this information must be correctly interpreted. (Section C-0b, Section C4-3d)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
4b	If a generator/storage site does not submit a Determination Request or if the Determination Request is not approved, are procedures in place for the generator/storage site to perform radiography or VE on 100% of the containers in a waste stream as specified in Permit Attachment C1? (Section C-0b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
4c	Are procedures in place to ensure that the generator/storage sites complete a Waste Stream Profile Form (WSPF) and Characterization Information Summary (CIS) as specified in Permit Attachment C3, Sections C3-6b(1) and C3-6b(2)? (Section C-0c)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
6	Are procedures in place to ensure that the generator/storage site assigns EPA hazardous waste numbers associated with the waste? If so, do these assigned EPA hazardous waste numbers correspond to the permitted EPA hazardous waste numbers in Table C-5? Are there any assigned EPA hazardous waste numbers that are not permitted EPA hazardous waste numbers on the Table C-5? If so, did the generator/storage site reject the waste for shipment to and disposal at WIPP? Did the generator assign a state hazardous waste codes or numbers? If so, is it assigned to waste that is permitted at WIPP? (Section C-1b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
7	Are procedures in place to ensure that Summary Category Groups are defined as follows: S3000- Homogeneous solids are solid material, inorganic process residues, inorganic sludges, salt waste, and pyrochemical salt waste excluding soils, that do not meet NMED criteria for classification as debris and are at least 50 percent by volume homogeneous solids or comprise the majority of the waste stream S4000- Waste streams that are at least 50 percent by volume soil/gravel, or comprise the majority of the waste stream S5000- Waste streams that are at least 50 percent volume materials that meet the NMED criteria for debris, or comprise the majority matrix of materials. The criteria for debris are solid materials intended for disposal that exceed 2.36 inch particle size and is a manufactured object, plant or animal matter, or natural geologic material. Particles smaller than 2.36 inches in size may be considered debris if the debris is a manufactured object and if it is not a particle of S3000 or S4000 material. (Section C-0a)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
8	Does the generator/storage facility have procedures in place to ensure that the following waste characterization parameters will be obtained: • Determination whether TRU mixed waste streams comply with the applicable provisions of the TSDF-WAC • Determination whether TRU mixed wastes exhibit a hazardous characteristic per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart C) • Determination whether TRU mixed wastes are listed per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart D) • Estimation of waste material parameter weights (Section C-2)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
9	Are procedures in place to ensure that waste streams identified to contain incompatible materials or materials incompatible with waste containers cannot be shipped unless treated to remove the incompatibility? (Section C-1c)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
10	Are procedures in place to ensure that the generator/storage site uses acceptable knowledge and, as necessary, radiography and visual examination analysis as specified in Table C-1? (Section C-3)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
	UNACCEPTABLE WASTE					

12	Are procedures in place to ensure that the generator/storage site ensures, through administrative and operational procedures and characterization techniques, that waste containers do not include the following unacceptable waste:
	• liquid waste is not acceptable at WIPP. Liquid in the quantities delineated below is acceptable
	  • Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of radiography or visual examination
	  • Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited
	  • Containers with Hazardous Waste number U134 assigned shall have no observable liquid
	  • Overpacking the outermost container that was examined during radiography or visual examination or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits
		N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• non-radionuclide pyrophoric materials • hazardous wastes not occurring as co-contaminants with TRU wastes (non-mixed hazardous wastes) • wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes • wastes containing explosives or compressed gases (continued below)					
12a	• wastes with polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization • wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003) • waste that has ever been managed as high-level waste and waste from tanks specified in Table C-4, unless specifically approved through a Class 3 permit modification • any waste container from a waste stream (or waste stream lot) which has not undergone either radiographic or visual examination of a statistically representative subpopulation of the wastes stream in each shipment pursuant to Permit Attachment C7 • any waste container from a waste stream which has not been preceded by an appropriate, certified Waste Stream Profile Form (see Section C-1d) (Section C-1c)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
	WASTE ACCEPTANCE CONTROL					
14	Are procedures in place to ensure that the generator/storage site uses a Waste Stream Profile Form (WSPF) which includes, at a minimum, the information indicated on the attached WSPF found in Figure C-1 and a Characterization Information Summary (CIS) prior to waste disposal at the WIPP? (Section C-1d)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
16	Are procedures in place to ensure that additional WSPFs are provided to WIPP and NMED for waste streams or portions of waste streams that are reclassified based upon waste characterization information? (Section C-1d)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
16a	Are criteria in place to determine the specific circumstances under which a WSPF is revised versus when a new WSPF is required? (Section C-1d)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	GENERAL CHARACTERIZATION REQUIREMENTS					
25	Are procedures in place to ensure that Acceptable Knowledge is used in waste characterization activities to delineate TRU mixed waste streams, to assess whether TRU mixed wastes comply with the TSDF-WAC, to assess whether TRU mixed waste exhibits a hazardous characteristic (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart C), and to assess whether TRU wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart D), and to estimate waste material parameter weights? (Section C-3a)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
26	Are procedures in place to ensure that radiography and/or visual examination are used as necessary to: • Examine a waste container to determine the physical form • Identify observable liquid in excess of TSDF-WAC limits and containerized gases • Verify the physical form matches the waste stream description (Section C-3b)	CCP-TP-053 S. 1.0 Table 1 Att. 2 CCP-TP-113 Att. 1 & 2 CCP-TP-500 Att. 1	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	
28	Are procedures in place to ensure that the following characterization activities shall occur: • Acceptable Knowledge for all wastes, with testing as necessary to augment AK including; - Visual examination or radiography for all waste containers	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	DATA GENERATION, VERIFICATION, VALIDATION, DOCUMENTATION, AND QUALITY ASSURANCE					
30	Are procedures in place to ensure that the following Data Quality Objectives are met: • Use Acceptable Knowledge to delineate TRU mixed waste streams, assess whether TRU mixed wastes comply with the applicable requirements of the TSDF-WAC, assess whether TRU mixed wastes exhibit a hazardous characteristic, assess whether TRU mixed wastes are listed and to estimate waste material parameter weights • Use radiography or visual examination to verify the physical form of the waste matches its waste stream description as determined by AK and to verify the absence of prohibited items (Section C-4a(1))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
31	Are procedures in place to ensure that the following Quality Assurance Objectives are adequately defined and assessed for each characterization method: • Precision as a measure of the mutual agreement among multiple measurements. • Accuracy as the degree of agreement between a measurement result and a true or known value. • Completeness is a measure of the amount of valid data obtained from a method compared to the total amount of data obtained that is expressed as a percentage. • Comparability is the degree to which one data set can be compared to another data set. • Representativeness as an expression of the degree to which data represent characteristics of a population. (Section C-4a(2))	CCP-TP-053 Att. 3 CCP-TP-113 Att. 3 CCP-TP-500 Att. 2 & 3	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	
32	With respect to data generation, are procedures in place to ensure that the generator/storage site's waste characterization program meets the following general requirements: • Testing data packages and batch data reports must be reported accurately in a pre-approved format, must be maintained in permanent files, and must be traceable? • All data must receive a technical review by another qualified operator? (Section C3-4a)	CCP-TP-053 S. 4.9, 4.10, 5.0 Att. 2 & 3 CCP-TP-113 Att. 3 CCP-TP-500 Att. 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				(VE-1)		
33	Are procedures in place to ensure that the generator/storage site performs validation of waste characterization data for each waste container? (Section C-4)	CCP-TP-053 S. 4.10 Att. 3 CCP-TP-113 Att. 2 & 3 CCP-TP-500 Att. 1 & 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	For Project Level refer to C6-1 dated May 8, 2012
34	Are procedures in place to ensure that the generator/storage site has a pre-approved format for reporting waste characterization data? (Section C-4a(3))	CCP-TP-053 (All) CCP-TP-113 Att. 2 & 3 CCP-TP-500 Att. 1 & 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	For Project Level refer to C6-1 dated May 8, 2012
35	Are procedures in place to ensure that the generator/storage site prepares testing batch data reports to meet the requirements of their own site-specific QAPjP and/or SOPs? (Section C-4a(3))	CCP-TP-053 (All) CCP-TP-113 S. 4.6 CCP-TP-500 S. 4.3.2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	For Project Level refer to C6-1 dated May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
36	Are procedures in place to ensure that all raw data is collected and managed at the data generation level in accordance with the following criteria: • All raw data shall be signed and dated in reproducible ink by the individual collecting the data, or signed and dated using electronic signatures • All data shall be recorded clearly, legibly, and accurately in field records • All changes to original data shall be lined out, initialed, and dated by the individual making the change. Original data may not be obliterated or otherwise be made unreadable • All data shall be transferred and reduced from field records completely and accurately • All field records shall be maintained as specified in Table C-2 of Attachment C • Data shall be organized into standard reporting formats for reporting purposes • All electronic and video data must be stored to ensure that waste container and QC data are readily retrievable (Section C3-4a)	CCP-TP-053 S. 5.0 Att. 2 & 3 CCP-TP-113 S. 5.0 Att. 3 CCP-TP-500 S. 5.0 Att. 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	
37	Are procedures in place to ensure that 100 % of batch data reports are subject to independent technical review by an individual qualified to review the data who was not involved in the generation or recording of the data under review. The reviewer shall release the data through signature with an associated review checklist prior to characterization of the associated waste and shipment to the WIPP. The review shall ensure the following, as applicable: • Data generation and reduction were conducted according to the methods used and reported in the proper units and significant figures • Calculations have been verified by a valid calculation program, a spot check of verified calculation programs, and/or a 100 percent check of all hand calculations • The data have been reviewed for transcription errors • The testing QA documentation for BDRs is complete and includes, as applicable, raw data, calculation records, calibration records • Radiography tapes are reviewed on a waste container basis at a minimum of once per testing batch or once per day of operation, whichever is less frequent. The radiography tape will be reviewed against the data on the radiography form to ensure that data are complete and correct • QAOs have been met (Section C3-4a(1))	CCP-TP-053 S. 4.6, 4.10 Att. 2 & 3 CCP-TP-113 Att.3 CCP-TP-500 Att. 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
40	Are procedures in place to ensure that 100 percent of all batch data reports receive a Site Project Manager signature release with an associated review checklist prior to characterization of the associated waste and shipment to the WIPP. This release shall ensure the following: • Testing batch QC checks were properly performed. Radiography data are complete and acceptable based on evidence of videotape review of one waste container per day or once per testing batch, whichever is less frequent • Data generation level independent technical review, validation, and verification have been performed as evidenced by the completed review checklists and appropriate signature releases. • Independent technical reviewers were not involved in the generation or recording of the data under review. • Batch Data review checklists are complete • Batch Data Reports are complete and data properly reported • Verify that data are within established data assessment criteria and meet all applicable QAOs (Section C3-4b(1))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
42	Are procedures in place to ensure that a repeat of the data review process at the data generation level will be performed on a minimum of one randomly chosen waste container every quarter to determine if the verification and validation is performed according to documented procedures? (Section C3-4b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
43	Are procedures in place and checklists are available to prepare a Site Project Manager (SPM) Summary and a Data Validation Summary (the summaries may be in the same document)? The SPM Summary includes a validation checklist for each batch that is of sufficient detail to document all aspects of a batch data report that could affect data quality. The Data Validation Summary must identify each Batch Data Report reviewed, describe how the validation was performed, identify all problems, and identify all acceptable and unacceptable data. Summaries must include release signatures. (Section C3-4b(2))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
44	Are procedures in place to ensure that non-administrative, WAP-related nonconformances first identified at the site project manager level are reported to the Permittees within seven calendar days of identification, that nonconformance reports are prepared within 30 calendar days, and that corrective action is implemented prior to waste shipment?	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	(Section C3-7)					
45	Are procedures in place to ensure that any waste container for which a nonconformance report (**NCR**) has been written will not be shipped to the WIPP facility unless the condition that led to the NCR for that container is appropriately identified, reconciled, corrected, and documented? Are nonconformance reports prepared for nonconformances identified? Are nonconformances identified and tracked, and does the Site Project Manager oversee the nonconformance report process? (Section C3-7)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
	DATA TRANSMITTAL					
48	Are procedures in place to ensure that the generator/storage site transmits data by hard copy or electronic copy from the data generation level to the site project level? If electronic, does the generator/site have a hard copy available on demand? (Section C-4a(5))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
50	Are procedures in place to ensure that the generator/storage site inputs the data into the WWIS manually or electronically? (Section C-4a(5))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
51	Are procedures in place to ensure that the generator/storage site enters the data into the WWIS in the exact format required by the database? (Section C-4a(5))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
52	Are procedures in place to ensure all of the data presented on Table C-3 of the Permit is transmitted to the WWIS? (Table C-3)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
	RECORDS AND RECORD MANAGEMENT					
55	Are procedures in place to ensure that the generator/storage site's hard copy and/or electronic data reports follow the Permittees' format requirements? (Section C-4a(3))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
56	Are procedures in place to ensure that hard copy or electronic Waste Stream Profile Form will include the following: • Generator/storage site name • Generator/storage site EPA ID • Date of audit report approval by NMED (if obtained) • Original generator of waste stream • Whether waste is Contact-Handled or Remote-Handled	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Waste Stream WIPP Identification Number • Summary Category Group • Waste Matrix Code Group • Waste Material Parameter Weight Estimates per unit of waste • Waste stream name • A description of the waste stream • Applicable EPA hazardous waste codes numbers • Applicable TRUCON codes • A listing of acceptable knowledge documentation used to identify the waste stream • The waste characterization procedures used and the reference and date of the procedure • Certification signature of Site Project Manager, name, title, and date signed (Section C3-6b(1))					
56a	Are procedures in place to ensure that hard copy or electronic Characterization Information Summary will include the following: • Data reconciliation with DQOs • Radiography and visual examination summary to document that all prohibited items are absent in the waste and to verify that the physical form of the waste matches its waste stream description as determined by AK (if applicable) • A complete listing of all container identification numbers used to generate the Waste Stream Profile Form, cross-referenced to each Batch Data Report • Complete AK summary, including stream name and number, point of generation, waste stream volume (current and projected), generation dates, TRUCON codes, Summary Category Group, Waste Matrix Code(s) and Waste Matrix Code Group, other TWBIR information, waste stream description, areas of operation, generating processes, RCRA determinations, radionuclide information, all references used to generate the AK summary, and any other information required by Permit Attachment C4, Section C4-2b. • Method for determining Waste Material Parameter Weights per unit of waste. • List of any AK Sufficiency Determinations requested for the waste stream	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Certification through acceptable knowledge or testing that any waste assigned the hazardous waste number of U134 (hydrofluoric acid) no longer exhibits the characteristic of corrosivity. This is verified by ensuring that no liquid is present in U134 waste. • A justification for the selection of radiography and/or VE as an appropriate method of characterizing the waste. (Section C3-6b(2))					
56b	Are procedures in place to assure that ongoing container characterization results are cross referenced to Batch Data Reports? (Section C3-6b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
58	Are procedures in place to ensure that project level reports are compiled into Characterization Information Summaries? (Section C3-6b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
59	Are procedures in place to ensure that the generator/storage site uses forms for data reporting that are pre-approved forms in site-specific documentation? (Section C3-6)	CCP-TP-053 Att. 1, 2, 3, 4 & 5 CCP-TP-113 Att. 2 & 3 CCP-TP-500 Att. 1 & 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	
60	Are procedures in place to ensure that the generator/storage site's site project manager submits to the WIPP facility a summary of the waste stream information and reconciliation with data quality objectives (DQOs) once a waste stream is characterized? (Section C-4a(5))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
61	Are procedures in place to ensure that the generator/storage site project office completes a WSPF based on the Batch Data Reports? (C3-6b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
62	Are procedures in place to ensure that the generator/storage Site Project Manager submits the WSPF to the Permittees for DOE's approval along with the accompanying Characterization Information Summary for that waste stream?	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	(Section C-4a(5))					
63	Are procedures in place to ensure that the generator/storage site maintains records related to waste characterization testing activities in the testing facility files, or site project files for those facilities located on-site? (Section C-4a(6))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
64	Are procedures in place to ensure that the appropriate documented training and indoctrination is performed for all individuals and that procedures are documented in site specific QAPjPs and procedures? (Section C3-8)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
66	Are procedures in place to ensure that the generator/storage site has an appropriate records inventory and disposition schedule (RIDS) or equivalent that was prepared and approved by appropriate site personnel? (Section C-4a(6))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
67	Are procedures in place to ensure that the generator/storage site maintains all records relevant to an enforcement action, regardless of disposition, until they are no longer needed for enforcement action, and then dispositioned per the approved RIDS? (Section C-4a(6))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
68	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Lifetime Records for the life of the waste characterization program plus six years or that the records have been transferred to the WIPP Records Archive facility? Lifetime Records include: • Test facility Batch Data Reports, • Waste Stream Characterization Package, • Data reduction, validation, and reporting documentation, • Acceptable knowledge documentation, • WSPF and Characterization Information Summary (Section C-4a(6), Table C-2)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
69	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Non-Permanent Records for ten years from the date of record generation, and then dispositioned according per the approved RIDS or transferred to the WIPP Records Archive facility? Non-Permanent Records include: • Nonconformance documentation, • Variance documentation,	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Assessment documentation, • Calculations and related software documentation, • Training/qualification documentation, • QAPjP documentation (all revisions), • Calibration documentation, • Procurement documentation, • QA procedures (all revisions), • Technical implementing procedures (all revisions), and • Audio/video recording (radiography, visual, etc.). (Section C-4a(6), Table C-2)					
70	Are procedures in place to ensure that the generator/storage site has raw data that is identifiable and legible, and provides documentary evidence of quality? (Section C-4a(6))	CCP-TP-053 Att. 1, 2 & 3 CCP-TP-113 Att. 2 & 3 CCP-TP-500 Att. 1 & 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** SRSRHVE13001 **(VE-1)**	Y	
71	Are procedures in place to ensure that if the generator/storage site ceases to operate, that all records be transferred before closeout? (Section C-4a(6))	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012
	SHIPMENT					
72	Are procedures in place to ensure that the generator/storage site accurately completes an EPA Hazardous Waste Manifest prior to shipping the waste to WIPP that contains the following information: • Generator/storage site name and EPA ID • Generator/storage site contact name and phone number • Quantity of waste • List of up to six state and/or federal hazardous waste numbers in each line item • Listing of all container IDS	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-1 Waste Analysis Plan (WAP) Checklist [1]	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	• Signature of authorized generator representative (Section C-5b)					
73	Are procedures in place to ensure that the generator/storage site accurately completes the following container specific information: • Waste stream identification number • List of hazardous waste numbers per container • Certification data • Shipping data (Section C-5b)	N/A	N/A	N/A	N/A	Refer to C6-1, May 8, 2012

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

GEN1

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01060
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: February 13, 2013

FROM: M. F. Ramirez — LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 — LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-W027-773A-HOM

Please accept the attached Savannah River site Waste Stream Profile Form SR-W027-773A-HOM to be placed in records for Waste Stream # SR-W027-773A-HOM.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

NTPC RECORDS ORIGINAL
DATE REC'D 2/15/13

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-W027-773A-HOM						
(2) Generator site name: Savannah River Site				(3) Generator site EPA ID: SC1890008989		
(4) Technical contact: Beverly Schrock				(5) Technical contact phone number: 575-234-7444		
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-W027-773A-HOM				(11) Summary Category Group: S3000		
(12) Waste Matrix Code Group: Solidified Inorganics				(13) Waste Stream Name: Homogeneous Solids from SRNL		
(14) Description from the ATWIR: CH Mixed TRU Homogeneous Solids resulting from liquid absorption at the SRNL.						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: NA (17a) Number of SLB2s: NA		(18) Number of Drums: 3 55-gallon drums			(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.						
(21) List applicable EPA Hazardous Waste Numbers:[1] D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004 and F005						
(22) Applicable TRUCON Content Numbers: SR 127 / SR 227						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-7, Revision 6, December 17, 2012, Figures 1 and 2						
(23B) Facility mission description: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 4.2						
(23C) Description of operations that generate waste: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 4.3						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 4.5						
(23E) Types and quantities of waste generated: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 4.4.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 4.4.2						
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012						

(25)Required Waste Stream Information			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 6.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 6.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 6.3			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-7, Revision 6, December 17, 2012, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-W027-773A-HOM Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27)Supplemental Documentation			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See D007, P001, P003, P004, P005, P006, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P026, P027, P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P040, P041, P042, P043, P046, P047, P048, P049 and P050 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27C) Safety Analysis Reports: See D002, D019 and D037 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27D) Waste packaging logs: See M001 and M002 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27E) Test plans/research project reports: See C065, C066, C068, C069, C070, D006, D011, D018, D039, D040, D043, D044, D045, D047, D049, D050, D051, D052, D053, D054, D056, D057, D058, D059, D060, D061, D062, D063, D077, D078, D079, D082, D117, D125, D126 and D143 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27F) Site databases: See M003, M014, M015 and M016 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27G) Information from site personnel: See C040, C046, C052, C053, C054, C055, C056, C057, C058, C059, C060, C061, C071, C085 and C086 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27H) Standard industry documents: See M038 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27I) Previous analytical data: See C018, C031, D031, D047, D051, DR003 and M007 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			
(27J) Material safety data sheets: NA			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: See M007 in the Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM, Source Documents.			

Confirmation Information	
For the following, when applicable, enter procedure title(s), number(s) and date(s)	
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012
	Visual Examination: NA

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 12/19/2012

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 12/20/2012

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Mike Ramsey for BEV SCHROCK	Beverly Schrock	1-24-13
Signature of Site Project Manager	Printed Name	Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-W027-773A-HOM
Lot #: 1

TABLE OF CONTENTS

Characterization Information Summary Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

Solids Analysis VOC UCL_{90} Evaluation Form..... 004

Solids Analysis SVOC UCL_{90} Evaluation Form..... 005

Solids Analysis Metals UCL_{90} Evaluation Form..... 006

Solid VOCs Summary Data..... 007

Solid SVOCs Summary Data..... 008

RTR/VE Summary of Prohibited Items and AK Confirmation..... 009

Reconciliation with Data Quality Objectives..... 010

CCP Characterization Information Summary Cover Page

Waste Stream # SR-W027-773A-HOM Lot #: 1

AK Expert Review: N/A Date: N/A

SPM Review: Joshua Houghton Date: 1/15/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Non Destructive Assay (NDA):

CCP-TP-189	Rev. 2	05/04/11	CCP Box Segmented Gamma System (BSGS) Operating Procedure
CCP-TP-193	Rev. 3	08/08/11	CCP Data Reviewing, Validating, and Reporting Procedure for the Nondestructive Assay Box Counters
CCP-TP-048	Rev. 15	03/24/11	Mobile IQ3 System Data Reviewing, Validating, and Reporting Procedure

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-W027-773A-HOM

Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load *Management*/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR222365	SRLBC0603	SRSRTR0550	N/A	SSG12-00005	ALD12022F, ALD12022H, ALD12022M, ALD12022N, ALD12022S, ALD12022V		N/A	N/A	N/A
SR524351	SRLBC0518	SR4RTR0205	N/A	SSG12-00005	ALD12022F, ALD12022H, ALD12022M, ALD12022N, ALD12022S, ALD12022V		N/A	N/A	N/A
SR611110	SRLBC0493	SRSRTR0494	N/A	SSC12-00005	ALD12022F, ALD12022H, ALD12022M, ALD12022N, ALD12022S, ALD12022V		N/A	N/A	N/A
SR222365**	N/A	N/A	N/A	N/A	ALD12022F, ALD12022H, ALD12022M, ALD12022N, ALD12022S, ALD12022V		N/A	N/A	N/A
SR524351**	N/A	N/A	N/A	N/A	ALD12022F, ALD12022H, ALD12022M, ALD12022N, ALD12022S, ALD12022V		N/A	N/A	N/A

** Containers SR222365 and SR524351 were sampled twice to fulfill the requirement of 5 samples for a Solids waste stream. These additional samples are represented in UCL90 calculations.

Signature of Site Project Manager

Joshua Houghton
Printed Name

1/15/2013
Date

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-773A-HOM — Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2,3)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Bromoform	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Carbon Disulfide	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Carbon Tetrachloride	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Chlorobenzene	No	0	5	0.0950	0.0910	0.0055	0.0948	10.0	N/A		
Chloroform	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
1,1 Dichloroethylene	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
1,2-Dichloroethane	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Ethyl Benzene	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Methylene Chloride	Log	0	5	-1.2730	-1.3065	0.0464	-1.2747	10.0	2.3026		
m,p-Xylene*	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
o-Xylene	No	0	5	0.0950	0.0910	0.0055	0.0948	10.0	N/A		
1,1,2,2-Tetrachloroethane	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Tetrachloroethylene	No	0	5	0.0950	0.0910	0.0055	0.0948	10.0	N/A		
Toluene	No	0	5	0.0950	0.0910	0.0055	0.0948	10.0	N/A		
Trans-1,2-Dichloroethene	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
1,1,1-Trichloroethane	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Trichloroethylene	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
1,1,2-Trichloroethane	No	0	5	0.1900	0.1800	0.0094	0.1864	10.0	N/A		
Trichlorofluoromethane	Log	0	5	-1.2730	-1.3065	0.0464	-1.2747	10.0	2.3026		
Vinyl Chloride	No	0	5	0.1900	0.1800	0.0094	0.1864	4.0	N/A		
Acetone	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	10.0000		
Butanol	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	10.0000		
Methanol	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	4.6052		
Methyl ethyl ketone	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	10.0000		
Ethyl ether	SQRT	0	5	7.0711	4.0475	2.4913	6.0876	100	10.0000		
Isobutanol	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	10.0000		
Pyridine	SQRT	0	5	5.0498	2.8786	1.7754	4.3323	100	10.0000		
Formaldehyde	Log	1	5	1.1314	0.2355	0.5025	0.5801	100	4.6052		
Hydrazine	No	0	5	3.1000	2.7000	0.6471	3.1437	100	N/A		

* These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP. 1/2 of the MDL value is used in calculating the mean concentration.)

(2) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

(3) This waste stream consists of three containers. Per CCP-TP-162 and Solids Random Section Memorandum CP:11:01721, five solids samples are required for analysis. Consequently, two containers were sampled twice.

Signature of Site Project Manager

Joshua Houghton
Printed Name

1/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-W027-773A-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
1,2-Dichlorobenzene	No	0	5	0.2000	0.1920	0.0076	0.1972	40	N/A		
1,4-Dichlorobenzene	No	0	5	0.2000	0.1920	0.0076	0.1972	40	N/A		
2,4-Dinitrophenol	No	0	5	0.1000	0.0960	0.0042	0.0989	40	N/A		
2,4-Dinitrotoluene	No	0	5	0.1000	0.0960	0.0042	0.0989	2.6	N/A		
Hexachlorobenzene	No	0	5	0.1000	0.0960	0.0042	0.0989	2.6	N/A		
Hexachloroethane	No	0	5	0.2000	0.1920	0.0076	0.1972	40	N/A		
2-Methylphenol	No	0	5	0.1000	0.0960	0.0042	0.0989	40	N/A		
3&4-Methylphenol	No	0	5	0.1000	0.0960	0.0042	0.0989	40	N/A		
Nitrobenzene	No	0	5	0.2000	0.1920	0.0076	0.1972	40	N/A		
Pentachlorphenol	No	0	5	0.1000	0.0960	0.0042	0.0989	40	N/A		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of three containers. Per CCP-TP-162 and Solids Random Section Memorandum CP:11:01721, five solids samples are required for analysis. Consequently, two containers were sampled twice.

Signature of Site Project Manager

Joshua Houghton
Printed Name

1/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSI SR-W027-773A-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2,3)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg) (2)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
Antimony	No	0	5	0.25	0.25	0.00	0.25	100	N/A		
Arsenic	No	0	5	0.45	0.45	0.00	0.45	100	N/A		
Barium	SQRT	5	5	2.10	1.20	0.61	1.61	2000	45		
Beryllium	No	0	5	0.05	0.05	0.00	0.05	100	N/A		
Cadmium	No	1	5	0.20	0.08	0.07	0.13	20	N/A		
Chromium	Log	5	5	1.03	-0.66	1.36	0.27	100	5		
Lead	Log	5	5	-0.06	-0.40	0.23	-0.24	100	5		
Mercury	No	0	5	0.01	0.005	0.00	0.00	4	N/A		
Nickel	Log	3	5	0.10	-1.98	1.26	-1.11	100	5		
Selenium	No	0	5	0.50	0.50	0.00	0.50	20	N/A		
Silver	No	0	5	0.05	0.05	0.00	0.05	100	N/A		
Thallium	No	0	5	0.30	0.30	0.00	0.30	100	N/A		
Vanadium	Log	1	5	1.10	-1.30	1.34	-0.38	100	5		
Zinc	Log	5	5	4.25	3.75	0.28	3.95	100	5		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) No varience in data was found for Antimony, Arsenic, Beryllium, Mercury, Selenium, Silver, and Thallium, due to all non detect data points. The maximum value is used as the UCL90 value for these analytes.

(3) This waste stream consists of three containers. Per CCP-TP-162 and Solids Random Section Memorandum CP:11:01721, five solids samples are required for analysis. Consequently, two containers were sampled twice.

Signature of Site Project Manager

Joshua Houghton
Printed Name

1/15/2013
Date

CCP Solid VOCs Summary Data

Waste Stream Number: SR-W027-773A-HOM

Solids Summary Waste Stream Lot Number: 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature [signature] Date 1/15/2013

CCP Solid SVOCs Summary Data

Waste Stream Number: SR-W027-773A-HOM

Solids Summary Waste Stream Lot Number: 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature Date 1/15/2013

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-W027-773A-HOM Lot #: 1

Container Number	RTR Prohibited Items [a]	Visual Examination Prohibited Items [a]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 1/15/2013 (Date)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-773A-HOM Lot # 1/15/2013

Sampling Completeness

RTR/VE

Number of Valid Samples: 3 Number of Total Samples Analyzed: 3
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 3 Number of Total Samples Analyzed: 3
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-773A-HOM Lot # 1/15/2013

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003 Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-773A-HOM Lot # 1/15/2013

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments:

None

Signature of Site Project Manager | Joshua Houghton (Printed Name) | 1/15/2013 (Date)

CIS-012

Summation of Aspects of AK Summary Report: Waste Stream SR-W027-773A-HOM

Overview

Waste stream SR-W027-773A-HOM consists of contact handled (CH) Transuranic (TRU) mixed homogeneous solid waste generated at the Savannah River National Laboratory (SRNL). The mission of SRNL is to provide research & development (R&D), analytical, and process development support to Savannah River Site (SRS) nuclear materials production and waste management programs. The primary R&D categories include production, separations and recovery, waste treatment, analytical measurements, and materials technologies. Facility support operations also generate TRU waste and include renovations and decommissioning operations and maintenance and utilities. All radioactive solid waste produced at SRS is stored or disposed of at the E-Area TRU waste storage pads.

The atomic energy defense activity that applies to TRU wastes generated by the SRNL operations is defense R&D. The SRNL provides R&D in support of defense nuclear materials production. Therefore, this waste stream is defense related waste.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-W027-773A-HOM for inorganic sludge waste generated at SRNL. The primary source of information for this Summation is CCP-AK-SRS-7, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Waste Streams: SR-W027-773A-HET and SR-W027-773A-HOM,* Revision 6, December 17, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Homogeneous Solids from SRNL
Waste Stream Number:	SR-W027-773A-HOM
Dates of Waste Generation:	November 1984 – August 1986
Waste Stream Volume – Current:	3 55-gallon drums
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S3000
Waste Matrix Code Group:	Solidified Inorganics
Waste Matrix Code:	S3110 – Inorganic particulates
TRUPACT-II Content Code:	SR 127/SR 227
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number:	SR-W027-773A-HOM

Waste Stream Description and Physical Form:

Waste stream SR-W027-773A-HOM is mixed absorbed liquid waste (e.g., oil, tributyl phosphate, dodecane) generated in the SRNL. The waste is comprised primarily of aqueous/organic liquids and sludges contained in absorbent (e.g., Oil-Dri, Accubond, Celite, NoChar, or Aquasorb). The waste may also include small amounts of debris materials identified in waste stream SR-W027-773A-HET.

Waste Stream SR-W027-773A-HOM meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from R&D and associated support operations.

Point of Generation

Location

Waste stream SR-W027-773A-HOM was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads.

Area and/or Buildings of Generation

Waste stream SR-W027-773A-HOM was generated the B-Wing, C-Wing, E-Wing, and F-Wing of the SRNL in A-Area.

Generating Processes

Description of Waste Generation Processes

Research and Development

The SRNL provides R&D support to SRS operations and facilities, as well as support to off-site facilities such as Hanford and Oak Ridge National Laboratory (References D091, D125, D126, D127, D128, D133, D143, M035). The primary categories include production, separations and recovery, waste treatment, analytical measurements, and materials technologies.

Production Technologies

Production technologies consist primarily of the fabrication of sources, fuels, billets, and targets (References C027, D091). Specific programs identified include the following:

- Development of Pu-239, Pu-240, Pu-242, and Am-243/Cm-244 targets for the subsequent production of Cm-244 (heat source material) and Cf-252 (neutron source material) (References C002, C012, C023, C024, C064, C065, C066, C072, C075, D003, D060, D061, D062, D069, D117, P043).
- Development of Am-241 targets for the subsequent fabrication of high-purity Pu-238 (medical grade) (References C065, C066, C072, D068, D069).
- Development of Np-237 targets for the subsequent fabrication of Pu-238 (heat grade) fuel forms (References C013, C062, C063, C065, C067, C072, D021, D068, D069).

- Development of new uranium assemblies for plutonium production, and examination and metallographic preparation failed fuel elements (References C067, D037, P004).
- Production of Cf-252 neutron sources (References C023, C024, C065, C066, C067, C070, C072, D003, D009, D013, D034, D035, D036, D079, P030).
- Production of Co-60 heat sources and other cobalt devices (References C057, C065, C066, C067, C068, C069, D039).

Separations and Recovery Technologies

Separations and recovery technologies include experiments involving dissolution, ion-exchange, precipitation, solvent extraction, and centrifugation (References C019, C043, C055, C056, D037, D001, D002, D045, D053). Some of the specific operations identified are as follows:

- Centrifugal separation of the organic (tributyl phosphate in normal paraffin hydrocarbon) and aqueous phases in support of the F-Canyon and H-Canyon separations facilities (References D037, D084).
- Determination of methods for recovery of plutonium from hydraulic oil, insoluble residues, and other materials (References D002, D037).
- Development of plutonium-aluminum alloys for recycling off-specification plutonium metal by dissolution in the canyons (Reference D037).
- Hydrofluorination of plutonium oxide to plutonium fluoride using hydrogen fluoride gas (References C029, D037).
- Ion-exchange separation of various actinides (e.g., Am-241/Cm-242 and Pu-238/Np-237) (References C066, C070, C072, D044, D052, D068, D070).
- Pu-239 recovery incinerator prototype using pyrohydrolysis technology (Reference D037).
- Processing of off-site reactor fuels, such as Southwest Experimental Fast Oxidation Reactor (SEFOR) (References C030, D077, D078).
- Recovery and purification of Am-241 (References D049, D054, D059).
- Recovery and purification of Pu-242 (Reference C068).
- Recovery of plutonium from ash, molten salt extraction residues, and electrorefining anode heel residues from Rocky Flats (References D037, D057, D058).
- Recovery of Pu-238 from scrap materials by dissolution and ion-exchange (References C066, D043).
- Special isotope separation: atomic vapor laser isotope separation, molecular laser isotope separation, and plasma separation (Reference D008).

- Testing of prototype plutonium separations units using weapons-grade plutonium from FB-Line (References C067, D091).

- The work in room F-003 includes dissolution of neptunium dioxide; separation and purification of neptunium solutions which may contain plutonium, uranium, or iron via ion exchange; and oxalate precipitation and calcining the oxalate to an oxide (Reference M035).

- Dissolution of composite materials (e.g., plutonium/beryllium, uranium/plutonium/aluminum) to support material disposition at SRS (Reference M035).

- Evaluation of a silica-supported ion exchange resin to determine the plutonium capacity and effectiveness of the resin for the clean-up plutonium solutions (Reference M035).

- Development of flowsheets for processing solids and liquids in H-Canyon and HB-line. Work includes characterization, mixing, and neutralization of aqueous process and product solutions, heat treatment of solids, and dissolution of solids in aqueous solutions (Reference M035).

- Mini-mixer-settler experiments using uranium, plutonium, and a uranium/plutonium mixture to assess the formation of tributyl phosphate degradation products in solvent extraction (Reference M035).

- Tributyl phosphate/dodecane solutions containing various additives were contacted with sodium carbonate or nitric acid to understand the chemical behavior (Reference M035).

- Demonstrating the use of formohydroxamic acid as a replacement for acetohydroxamic acid in the Uranium Extraction process (Reference M035).

Waste Processing Technologies

Waste processing technologies primarily involved the development of waste treatment processes including:

- Evaluation of low temperature fusion for conversion of wastes to a solid sodium nitrate (Reference C065).

- Vitrification studies of high-level waste (HLW), TRU, and low-level wastes (References C031, D002, D015, D018, D020, D024, D025, D037, D091, M035).

- Nitric acid and metal-catalyzed oxidation of organic wastes (Reference D002).

- Testing of various organic and inorganic absorbents for the solidification and stabilization of liquid wastes (Reference M035).

- Separation (dissolution and precipitation) of lead from plutonium, and solidification of the lead hydroxide (Reference M035).

- Solubility testing of HLW supernate and sludge samples to confirm and develop a solubility model for SRS tank farm wastes (Reference M035).

Analytical Measurements Technologies

The SRNL performs various chemical and radiological analyses in support of SRS operations as well as activities within the SRNL. New or improved analytical techniques, including the use of robotics for process automation, are also developed (References C087, D001, D037, D082, M035). Sample preparation and analyses conducted and/or developed include:

Sample Preparation

- Dissolution (References M035, P027)
- Electrodeposition (Reference D067)
- Ion-exchange separation (References P012, P026, M035)
- Precipitation (References D067, P015, P020)
- Solvent extraction (References C021, D002, M035, P014)
- Sonication (Reference D002)
- Toxicity characteristic leaching procedure (References D002, M035)

Sample Analysis

- Alpha and gamma pulse-height analysis (References D020, D051, M035, P014)
- Alpha spectrometry (Reference D058)
- Atomic absorption spectrometry (References D002, D037, P025)
- Atomic absorption spectrophotometry (References C021, D051, P024)
- Coulometry (References D058, P013)
- Gamma spectrometry (Reference D058)
- Gas chromatography-mass spectrometry (GC-MS) (References C044, D002, D037, M035)
- Gross alpha counting (References D058, P014, P018)
- High-resolution gamma ray spectroscopy (References C017, D020)
- Inductively coupled plasma-emission spectrometry (References C021, D002, D037, M035)
- ICP mass spectrometry (References D002, D037)
- Infrared spectrophotometry and spectrometry (References C044, D037, M035)

- Ion chromatography (References D002, D024, D037)
- Isotope dilution mass spectrometry (References D024, D051)
- Laser-excited atomic fluorescence spectroscopy (References D024, D037)
- Liquid scintillation counting (References D067, M035, P015, P026)
- Pu (III) spectrophotometry (Reference D056)
- Scanning electron microscopy (References D002, D021, D037, M035)
- Spark-source mass spectrometry (Reference D020)
- Thermogravimetric analysis (References D021, M035)
- Titrations (References D002, M035, P016, P017, P019, P028)
- Total organic carbon analysis (References D002, M035)
- Ultraviolet-visible spectroscopy (Reference M035)
- X-ray absorption-edge densitometry (Reference D078)
- X-ray diffraction (References C004, C052, D002, D037, M035)
- X-ray fluorescence (References C012, D067, M035)

Materials Technologies

Studies involved general actinide properties and behavior. The following are examples of these studies:

- Analytical chemistry of neptunium (Reference D067)
- Bonding of actinide (IV) and actinide (III) ions (Reference D071)
- Crystal structure and thermal behavior of mixed actinide oxides (Reference D065)
- Chemical, physical, and nuclear properties of the transplutonium isotopes americium, curium, berkelium, californium, einsteinium, and fermium (References C063, C065, D011, D012)
- Evaluation of sand filtration on plutonium fluoride. Electrolysis of plutonium hexafluoride produces PuO_2F_2 (Reference C008)
- Examination and testing of Co-60 materials (References C070, D039)
- Mechanical, thermal, electrical, and magnetic properties of the transuranium elements plutonium, americium, neptunium, and curium (References D002, D066, D072, D073, D074)

- Oxidation states of americium, plutonium, neptunium, and curium (Reference D063)
- Resin calcinations for preparing transplutonium oxides and oxysulfates (Reference D040)
- Electrochemical behavior, electrodeposition and electrochemical separation of actinides (Reference M035).
- Precipitating pure actinides and mixtures of actinides to form a solid solution oxide by modifying the oxidation states of actinides in solution (Reference M035)
- Measuring distribution coefficients of actinide elements between aqueous and organic phases used in a solvent extraction process that preferentially extracts lanthanide elements from actinide elements (Reference M035).
- Fundamental studies into the solution chemistry of novel actinide complexes and nano-clusters focusing on the stability, reactivity, and electrochemistry of novel actinide compounds in aqueous and non-aqueous solutions (Reference M035).

Facility Support Operations

The following describes facility support operations, including renovations and decommissioning, and maintenance and utilities:

Renovation, Decontamination, and Decommissioning

Various renovation, decontamination, and decommissioning operations have occurred in the SRNL. Waste generated from these operations is packaged in drums and boxes. General operations consist of dismantling and decontamination of gloveboxes, cells, and equipment as well as fixing of contamination in gloveboxes or cell liners (References C022, C036, D002, D015, D032, D037, D050, D091, M035).

Maintenance and Utilities

During the years in which the SRNL has been in production, preventive and periodic maintenance were required which generated waste. Common operations include various repairs and modifications, filter changes, and glove changes (References D038, D091, M035, P003, P036, P037, P038, P043, P047).

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM

Chemical/Compound	EPA HWN	Use	Reference
Arsenic	D004	Arsenazo III used as a color indicator. Atomic absorption analysis. Zirconium phenylarsonate used for co-precipitation.	C041, D067, P024
Barium	D005	Sample constituent. Barium chloride and barium sulfate used for sample precipitation.	D047, D067, P016
Cadmium	D006	Analytical development. Component of process solutions used for neutron absorption. Waste treatment technologies.	C041, C042, D051, D091, M006
Chromium	D007	Analytical development. Chromic acid for cleaning equipment. Contained in alpha plates. Dichromate solution used to clean glassware. Potassium dichromate solution used for titrations. Sample constituent. Sodium chromate used for actinide oxidation.	C041, C042, C053, D047, D067, D091, M006, M012, M013, P013, P017, P030
Lead	D008	Analytical development. Sample constituent. Leaded gloves, bricks. Waste treatment technologies.	C041, C042, C053, D047, D091, M006
Mercury	D009	Atomic absorption analysis. Analytical development. Density determination. Mercuric nitrate used as a catalyst in dissolution. Sample constituent. Thermometers. Waste treatment technologies.	C031, C041, C042, D021, D047, D057, D058, D091, M006, P024
Selenium	D010	Atomic absorption analysis. Analytical development.	C017, M007, P024
Silver	D011	Sample constituent. Silver catalyzed dissolver development. Silver nitrate used for chloride separation from laboratory solutions. Silver solder.	C041, C042, D047, D052, D057, D058, P030
Carbon tetrachloride	D019	Analytical standard. Color complex formation.	C041, C044, D067
Chloroform	D022	Californium purification process. Analytical development. Analytical standard.	C023, C024, C025, C042, C044, M006, P030
1,4-Dichlorobenzene	D027	Chemical used in SRNL.	M015
1,2-Dichloroethane	D028	Chemical used in SRNL.	M014, M015
1,1-Dichloroethylene	D029	Chemical used in SRNL.	M015
Vinyl chloride	D043	Chemical used in SRNL.	M015
Chlorobenzene	F002	Analytical standard.	C044
Ortho-Dichlorobenzene	F002	Chemical used in SRNL.	M015
Methylene chloride	F002	Analytical standard.	C044
Tetrachloroethylene	F002	Degreasing. Laser spectroscopy.	C041, D037
1,1,1-Trichloroethane	F002	Component of Magnaflux cleaner.	C041, C048

Chemical/Compound	EPA HWN	Use	Reference
1,1,2-Trichloroethane	F002	Chemical used in SRNL.	M015
Trichloroethylene	F002	Cleaning and degreasing. Small concentrations in low activity drain (LAD) waste water tanks. Laser spectroscopy.	C041, D031, D037, P030
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	Decontamination.	C036
Nitrobenzene	F004	Constituent in tetraphenylboron salt.	C018
Benzene	F005	Study of cesium removal from tetraphenylboron salts. Analytical standard. Small concentrations measured in waste water from LAD tanks. Gas chromatography. Dissolving actinide compounds.	C014, C018, C041, C044, C045, D031, D037, D071, P025
Carbon disulfide	F005	Chemical used in SRNL.	D002
Methyl ethyl ketone	F005	Chemical used in SRNL.	M014, M015
2-Nitropropane	F005	Chemical used in SRNL.	M014
Pyridine	F005	Chemical used in SRNL.	M014, M015, M016
Toluene	F005	Analytical development. Cleaning cell windows. Solvent extraction.	C041, C042, D091, M006, M007, P038

RCRA Determinations

Historical Waste Management

The SRNL waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as non-hazardous or hazardous with additional toxicity characteristic and listed codes. A review of available AK documentation has determined that this waste is hazardous; however, the additional hazardous waste numbers do not apply to this waste stream (i.e., D001, D003, D018, D023, D024, D025, D026, F001, F003, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, and U239 are not applied to this waste stream). Therefore, the hazardous waste numbers summarized below will be assigned to the containers in this waste stream (References D152, DR001).

Environmental Protection Agency (EPA) hazardous waste numbers were assigned to waste stream SR-W027-773A-HOM based on a review of available AK documentation to identify chemical usage and hazardous materials that have been introduced into the waste stream. The containers in this waste stream were originally characterized by SRS as belonging to waste stream SR-W027-773A-HET because they were mixed with debris from that waste stream. It is, therefore, assumed that the hazardous constituents present in waste stream SR-W027-773A-HET are also present in waste stream SR-W027-773A-HOM.

As described below, EPA hazardous waste number F003 is not assigned to homogeneous waste stream SR-W027-773A-HOM, but F003 was assigned to debris waste stream SR-W027-773A-HET. The F003 listing only applies to wastes that exhibit the characteristic of ignitability, and neither of these waste streams are ignitable. However, when the WSPF for the debris

waste stream was issued back in 2005, the F003 listing was conservatively assigned to non-ignitable wastes at SRS. In accordance with RCRA, EPA hazardous waste number F003 is no longer assigned to non-ignitable wastes at SRS.

AK was collected from a variety of sources, including standard operating procedures, chemical inventories, and interviews. The Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table summarizes the hazardous chemical contaminants and associated EPA hazardous waste numbers applicable to the waste stream (References DR001, DR003, M027).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The homogeneous materials in waste stream SR-W027-773A-HOM do not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. The material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Containers are drained before disposal, and absorbent is added to drums containing liquids in order to ensure that the waste does not exceed WIPP-WAP requirements (References P006, P031, P032, P033, P034, P046). Organic liquids miscible with water (e.g., alcohols) are disposed down the drain and would not be in the waste stream (References C053, C055, C059, D002, D106, P005, P008, P010, P022, P038, P046). Radiography and/or visual examination are performed to ensure liquids do not exceed the amount allowed by the WIPP-WAP. Any drum identified with liquids in excess of the amount allowed by the WIPP-WAP will be segregated from the waste stream during characterization activities and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted.

Ignitable compressed gases (e.g., un-vented aerosol cans) have not been specifically identified on waste disposal forms for SRNL TRU waste (References M001, M002, M003). Aerosol cans have been prohibited from use inside gloveboxes and cells since at least 1975, but there have been documented exceptions (References C010, C055, C060). Procedures also prohibit the disposal of un-vented compressed gas cylinders and aerosol cans (References P006, P031, P032, P033, P034, P035, P046). Generator interviews also indicated that if aerosol cans were in TRU waste, they would be punctured (References C052, C053, C055, C056, C057, C059, C060). Radiography and/or visual examination are performed to ensure the absence of ignitable compressed gases. Any container identified with unpunctured aerosol cans will be segregated from the waste stream during characterization activities and will not be eligible for disposal at WIPP until the cans are either punctured or removed from the waste stream. Numerous oxidizing compounds (i.e., chlorates, chromates, dichromates, hypochlorites, nitrates, nitrites, perchlorates, permanganates, peroxides, and persulfates) are used in the SRNL (References C054, D037, M014, M015, M016, P021). Oxidizers are treated (e.g., sodium nitrite was added to permanganates) and then disposed down the drain and would not be in the waste stream (References C053, C055, C056, C060, P017). Tests performed by SRS in 1984 to determine burning characteristics of wipes and mop heads contaminated with nitric acid and potassium permanganate indicated that these wastes should not be classified as oxidizers (Reference D124).

Ignitable solids identified in the SRNL include aluminum powder, zirconium hydride, and cerium, magnesium, and sodium metals (References C053, C054, M014, M015, M016, M027). Pyrophorics are prohibited from disposal in solid waste. These materials are rendered non-pyrophoric before being disposed. This may be accomplished by converting the material to a solid salt form or an aqueous liquid salt solution. The salt in solid form may be disposed as TRU waste, but the aqueous salt solutions are disposed down the drain and would not be in the waste stream (References C042, C053, P006, P008, P031, P032, P033, P034, P035). Acid spills are cleaned up with absorbent pads or wipes. The absorbed material is generally neutralized with sodium hydroxide or sodium bicarbonate or is thoroughly rinsed with water (References C053, C055, C056, C057, C059, C060, P031, P033). Waste stream SR-W027-773A-HOM is therefore not ignitable (EPA hazardous waste number D001).

Corrosivity

The materials in waste stream SR-W027-773A-HOM are not liquid and do not contain unreacted corrosive chemicals; therefore, they do not meet the definition of corrosivity as defined in 40 CFR 261.22. Corrosive liquids used in the SRNL include acids (e.g., nitric, hydrochloric, hydrofluoric, perchloric) and caustics (e.g., sodium hydroxide, ammonium hydroxide) (References C054, D002, D037, D067, M014, M015, M016). These materials are generally neutralized and disposed down the drain (References C042, C053, C055, C056, C057, C060, D002, D106, P005, P008, P010, P017, P022, P025, P038). Before being disposed down the drain, chlorides and fluorides are complexed with aluminum nitrate (References C056, C059, P019). Containers are drained before disposal, and any residual liquid is absorbed (References P006, P031, P032, P033, P034, P046, P048, P049). Radiography and/or visual examination are performed to ensure liquids do not exceed the amount identified in the WIPP-WAP. Any drum identified with liquids in excess of the amount allowed in the WIPP-WAP will be segregated from the waste stream during characterization activities and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Materials disposed of down the drain system would not be present in this waste stream. Waste stream SR-W027-773A-HOM is therefore not corrosive (EPA hazardous waste number D002).

Reactivity

The materials in waste stream SR-W027-773A-HOM do not meet the definition of reactivity as defined in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The materials are not capable of detonation or explosive reaction. Reactive metals used in the SRNL include calcium, lithium, sodium hydride, and zinc powder (References C053, C054, M014, M015, M016). Reactive metals are prohibited from disposal in solid waste. These materials are rendered non-reactive (e.g., using alcohol and water) and then disposed down the drain (References C019, C053, P008, P032, P034, P035). Cyanide and sulfide compounds are used but the solutions were disposed down the drain (References C053, C054, M014, M015, M016, M027). Procedures prohibit the disposal of explosives (References P031, P032, P033, P034). Organic resins are washed with sodium sulfate (sodium hydroxide was also used at one time) and dried so they are not in the nitrated form when disposed (References C042, C053, C055, C056, C059, D044, P035). Potentially explosive solutions (e.g., hydrazine) are used in the SRNL. These solutions are neutralized and then disposed down the drain and would not be in the waste stream (References C041, C055, P041, P042). Materials disposed of down the drain system would not be present in this waste stream. Waste stream SR-W027-773A-HOM is therefore not reactive (EPA hazardous waste number D003).

The containers in the waste stream will be evaluated in accordance with the WIPP-WAP using radiography and/or visual examination prior to shipment to ensure the waste is not ignitable, corrosive, or reactive.

Toxicity Characteristic

Numerous toxicity characteristic metals and metal compounds are used in the SRNL. The metals and their uses or presence are provided in the Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table (References DR001, DR003, M027).

Homogeneous waste from the SRNL contains or is contaminated with toxicity characteristic metal compounds listed in 40 CFR 261.24. Based on the references identified in Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table, EPA hazardous waste numbers D004 – D011 are assigned to waste stream SR-W027-773A-HOM (References DR001, DR003).

Several toxicity characteristic organic compounds are used in the SRNL. The organics and their uses are provided in the Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table (References DR001, DR003, M027).

Homogeneous waste from the SRNL contains or is contaminated with toxicity characteristic organic compounds listed in 40 CFR 261.24. Based on the references identified in the Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table, EPA hazardous waste numbers D019, D022, D027 – D029, and D043 are assigned to waste stream SR-W027-773A-HOM (References DR001, DR003).

Chemical inventories identify the pesticides Endrin; Lindane; Methoxychlor; Toxaphene; 2, 4-D; 2, 4, 5-TP; Chlordane; and Heptachlor in Lab B-119, and in a cabinet in the B-196 corridor outside the labs (References C054, M014, M015). In Lab B-119, radioactive and nonradioactive samples were analyzed for organics (Reference D002). According to generator interviews, there was a GC-MS unit on the bench top in Lab B-119 for four years in the 1990s. Pesticides were analyzed, but this unit was used only on nonradioactive samples. Pesticides are also analyzed in Lab B-123, but on nonradioactive samples only. These operations would not have generated TRU waste (Reference C071). Therefore, waste stream SR-W027-773A-HOM does not exhibit the characteristic of toxicity for pesticides (EPA hazardous waste number D012 – D017, D020, and D031).

Chemical inventories identify the semivolatile organics o-Cresol; m-Cresol; p-Cresol; Hexachlorobenzene; Pentachlorophenol; and 2,4,5 Trichlorophenol in Labs B-119 and B-123 (References C054, M015). In Lab B-123, radioactive and nonradioactive samples were analyzed for semi-volatile organics (Reference D002). According to generator interviews, the analysis was not done on TRU samples. Samples were either nonradioactive or were contaminated with very low levels of radioactivity. No TRU waste would have been generated from this analysis (Reference C071). Therefore, waste stream SR-W027-773A-HOM does not exhibit the characteristic of toxicity for semi-volatile organics (EPA hazardous waste numbers D023 – D026, D030, D032 – D034, D037, D041, and D042).

Listed Waste

F-Listed Waste

Numerous F-listed solvents are used in the SRNL. The F-listed solvents and their uses, if known, are provided in the Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table (References DR001, DR003, M027).

Homogeneous waste from the SRNL is mixed with hazardous wastes from non-specific sources listed in 40 CFR 261.31. Based on the references identified in the Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-773A-HOM table, EPA hazardous waste numbers F002, F004, and F005 are assigned to waste stream SR W027-773A-HOM (References DR001, DR003).

As previously stated, the containers in this waste stream originated from debris waste stream SR-W027-773A-HET. SR-W027-773A-HET identifies F003 listed solvents including acetone, n-butyl alcohol, cyclohexanone, ethyl acetate, ethyl benzene, ethyl ether, methanol, methyl isobutyl ketone, and xylene. However, this waste will not exhibit the characteristic of ignitability because it is not in liquid form. Therefore, hazardous waste number F003 will not be assigned to this waste stream (References DR001, DR003).

Several of the F-listed solvents in the table (i.e., ortho-dichlorobenzene, 1,1,2-trichloroethane, carbon disulfide, methyl ethyl ketone, and 2-nitropropane) were identified in the SRNL chemical inventories; however, review of other documentation did not identify their specific use. Analytical and R&D operations commonly use organic liquids for their solvent properties (i.e., to dissolve or mobilize other constituents) therefore, it is assumed that these compounds were used as solvents (References M014, M015).

Although several F001-listed solvents were used in the SRNL, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. The SRNL did not conduct large-scale degreasing operations; therefore, EPA hazardous waste number F001 will not be assigned to this waste stream (References DR001, DR003).

K-Listed Waste

Waste stream SR-W027-773A-HOM does not contain hazardous waste from the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste.

P- and U-Listed Waste

Waste stream SR-W027-773A-HOM is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33.

Numerous U- and P-listed chemicals were identified in the SRNL including beryllium powder (P015) and hydrofluoric acid (U134). However, no pure product or unused waste chemicals would have been placed into the TRU waste stream (References C041, C046, M014, M015, M027). Chemical solutions were typically made up outside the glovebox; pure chemicals were not generally brought into the glovebox (References C053, C056, C059, C060, D037). In

addition, vials and containers that contain liquid waste are drained, rinsed with water, and drained again before disposal (Reference C042). Therefore, waste stream SR-W027-773A-HOM is not a U- or P-listed waste (References DR001, DR003).

Beryllium is present in the waste stream but not in the form of beryllium powder, and therefore, the waste does not meet the definition of a P015-listed waste (References C034, C052, C053, C059, D043, P032).

Polychlorinated Biphenyls

Waste stream SR-W027-773A-HOM is not expected to contain PCBs greater than 50 ppm, and therefore is not regulated as a Toxic Substance Control Act waste under 40 CFR 761.

Disposal of TRU waste containing PCBs in concentrations greater than 50 ppm was prohibited by procedure until 2009. Since then, TRU waste procedures have allowed solid PCBs in TRU waste, but PCB liquids are prohibited (Reference P006, P032, P034, P035).

Fluorescent light fixtures (which would include ballasts) are mounted outside of gloveboxes, radiobenches, and hoods and therefore would not be in TRU waste (References C052, C055, C056, D037). High pressure sodium vapor lights are mounted inside the shielded cells (E-wing) but because most of the shielded cell work does not produce TRU waste, the fixtures (which would include ballasts) would not be in TRU waste (Reference C057). If ballasts are discovered during radiography or visual examination, they will be removed. The main transformers that supply electrical power to the SRNL are located outside the building. PCBs are no longer used in electrical equipment but according to a 1998 Safety Analysis Report, one power transformer still contains PCBs (Reference D037). Equipment containing PCB oils would not be inside gloveboxes (References C059, C060). Samples are analyzed for PCB content in Lab B-123; however, TRU PCB waste is not generated by this analysis (Reference C071).

Small capacitors in electric motors or other potential PCB-containing items such as pumps found in payload containers during radiography or visual examination will be managed as PCB wastes in accordance with the CCP TRU Waste Certification Program.

Prohibited Items

Based on the review of container documentation and documented waste management practices, no prohibited items are specifically identified in the waste stream. However, this waste stream includes solidified aqueous/organic waste and the presence of liquids due to dewatering is possible (References M003, M044, C081).

This waste stream contains debris; therefore, the potential for containerized liquid also exists. Aerosol cans have been prohibited from use inside gloveboxes and cells since at least 1975, but there have been documented exceptions (References C010, C055, C060). A generator who has worked in the SRNL Shielded Cell facility since 1983 indicated that if aerosol cans were in TRU waste, they would be punctured (Reference C057). Another generator who worked in B-wing, C-wing, and F-wing since 1987 did not use aerosol cans inside the glovebox but said there was a requirement to puncture them (Reference C055). The requirement to vent/puncture compressed gas cylinders and aerosol cans was identified in procedures since 1988 (References P006, P031, P032, P033, P034, P035, P046). Ignitable compressed gases (e.g., un-vented aerosol cans) have not been specifically identified on waste disposal forms for SRNL TRU waste (References M001, M002, M003). The AK documentation reviewed would seem to

indicate that TRU waste will not typically contain compressed gas cylinders or aerosol cans, but there was no requirement to vent/puncture them until the 1980s. Therefore, TRU waste potentially contains un-vented gas cylinders or aerosol cans.

Drums containing prohibited waste items identified during characterization activities will be segregated then treated and/or repackaged to remove the items prior to certification and shipment.

Method for Determining Waste Material Parameter Weights per Unit of Waste

The waste material parameter data is not available for any of the three drums in this waste stream, but the generation of the homogeneous waste is very similar to that described for the 221F area in CCP-AK-SRS-3, *Central Characterization Project Acceptable Knowledge Summary Report For Savannah River Site Waste Streams: SR-W026-221F-HET, SR-W026-221F-HOM, SR-W026-221F-HEPA, SRW026-221F-HET-A*, because much of the homogeneous waste in that report was also originally generated as debris. Therefore, the waste material parameters for waste stream SR-W027-773A-HOM were estimated based upon the approach taken in SRS waste stream SR-W026-221F-HOM.

In addition to the absorbed wastes that make up the majority of waste stream SR-W026-221F-HOM, there are numerous debris materials in these drums. Based on 29-90 and TWPD forms, SRS operating procedures, and RTR and VE data, the debris may include plastic, rubber, cloth, paper, and metal. The RTR and VE data sheets categorized the absorbed waste as "other inorganic material." However, since absorbed waste is considered a homogeneous solid, "inorganic matrix" and "organic matrix" are more appropriate. For the estimates in the table below, absorbed aqueous waste was assigned to "inorganic matrix" and absorbed hydraulic fluid was assigned to "organic matrix." During the VE process, some drums contained residual liquids which were absorbed with an organic polymer absorbent. For the drums containing absorbed aqueous waste, the organic polymer was assigned to "organic matrix" based on the VE data sheet.

Waste Stream SR-W027-773A-HOM Waste Material Parameters

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-based Metal/Alloys	0.4%	0 – 10.0%
Aluminum-based Metal/Alloys	<0.1%	0 – 0.3%
Other Metals	0.0%	0 – 0.0%
Other Inorganic Materials	0.0%	0 – 0.0%
Cellulosics	1.9%	0 – 10.5%
Rubber	0.6%	0 – 5.8%
Plastics (waste materials)	6.0%	0 – 27.3%
Organic Matrix	66.5%	0 – 100.0%
Inorganic Matrix	24.6%	0 – 99.3%
Soils/Gravel	0.0%	0 – 0.0%

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container (References C077, D128, M029).

Radionuclide Information

To determine isotopic ratios for waste stream SR-W027-773A-HOM, radiological data for each of the containers were evaluated. The total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide wt% range for individual drums, the radiological mass in each drum in the waste stream was summed. The mass of each individual radionuclide in a drum was divided by the total radiological mass for that drum and converted to a percentage. As shown in the Waste Stream SR-W027-773A-HOM Radiological Characterization table, Pu-238 is the most predominant radionuclide by mass and Pu-239 is the second most predominant radionuclide by mass.

Waste Stream SR-W027-773A-HOM Radiological Characterization

Radionuclide	Total Radionuclide Wt%[1]	Total Radionuclide Ci%[2,5]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
Am-241	Not Reported				Yes
Pu-238	72.59%	97.26%	0.20% - 74.93%	4.72% - 97.43%	Yes
Pu-239	24.24%	0.12%	22.01% - 93.17%	0.10% - 7.90%	Yes
Pu-240	2.70%	0.05%	2.59% - 5.94%	0.05% - 1.87%	Yes
Pu-242	0.15%	Trace	0.06% - 0.15%	Trace – Trace	Yes
U-233	Not Reported				Yes
U-234	Not Reported				Yes
U-238	Not Reported				Yes
Sr-90	Not Reported				Yes
Cs-137	Not Reported				Yes
Additional Radionuclides					
Pu-241	0.33%	2.57%	0.32% - 0.63%	2.42% - 85.51%	Yes

1 This listing indicates the total wt% of each radionuclide over the entire waste stream.
2 This listing indicates the total activity Ci% of each radionuclide over the entire waste stream.
3 This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4 This listing is the Ci% range of each radionuclide on a container-by-container basis.
5 "Trace" indicates <0.01 Wt% for that radionuclide.

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Number	Title
C002	Plutonium in Fab Lab
C003	DWPF Canister Fill Level Detector Cf-252 Source Replacement Radiation Dose Rates (U)
C004	SRL Nuclear Materials Division Special Hazards Investigation No. 285
C008	Safety Assessment of the Separations Engineering Sand Filter Efficiency Experiment at SRL
C010	Request for Deviation from SRP Safety Manual Item 89 for the CSEM Facility, Room C-131, 773-A
C012	Handling Mark 41 Outer Target Tubes in Fabrication Laboratory
C013	Milliwatt Generator (MWG) Meeting at SR - February 15 & 16, 1978
C014	Request for Approval to Handle Benzene
C017	Development Status of SRL - Contracted Radionuclide Procedures at Rockwell-Hanford
C018	SRL Support of Salt Decontamination Demonstration
C019	Savannah River Laboratory Actinide Technology Division Process Incident Report No. PI-ATD-83-1
C021	Determination of Trace Impurities in Uranium by Atomic Spectroscopic Methods
C022	Fixing Contamination in SRL Californium Cells
C023	Californium-252 Waste on TRU Pads - Reassignment to LLW and Disposal
C024	Californium-252 Waste on TRU Pads - Removal of Solvent Codes
C025	Disposition of Solvents in Processing of Californium
C027	SRL Quality Assurance Description
C029	NEPA Recommendation Plutonium Hydrofluorination Development Facility SRL
C030	SRL R&D Effort for Processing SEFOR and Fermi Fuels
C031	Processing of Tank 15 Sludge
C032	Final Unusual Occurrence Report (UOR) SRS-90-SRL-03
C034	Air Sampling During Beryllium Bar Removal in 773-A, 7/1/99
C036	SRL Decontamination Technology Program (U)
C040	For 773-A AK, Re: Dried Sludge
C041	Applicability of RCRA Waste Codes to TRU Waste Generated in 773-A
C042	Project S-2991, Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits
C043	Dissolution of LANL DOR Plutonium Metal
C044	Request for Approval to Handle Carcinogenic Chemical Standards (U)
C045	Request for Approval to Handle Benzene
C046	FW: Codes to be added to WIPP Permit
C047	HLW in casks
C048	Program for the Handling of Hazardous Waste Rags and Wipes
C049	Requirements for Packaging Transuranium Waste
C052	Interview Regarding TRU Waste Operations in Building 773-A with David

Source Document Number	Title
	Missimer and Ronny Rutherford
C053	Interview Regarding TRU Waste Operations in Building 773-A with David Karraker
C054	Interview Regarding Chemicals in Building 773-A with Marie Frazer
C055	Interview Regarding TRU Waste Operations in Building 773-A with Eddie Kyser and Kevin Kalbaugh
C056	Interview Regarding TRU Waste operations in Building 773-A with John Gray
C057	Interview Regarding TRU Waste Operations in Building 773-A Shielded Cell Facility with Ronald Blessing and Sallie (Jane) Howard
C058	Interview Regarding TRU Waste Operations in Building 773-A Shielded Cell Facility with David Keel
C059	Interview Regarding TRU Waste Operations in Building 773-A with Kathy Klapper, Bridget Miller, Beverly Wall, and Patrick Westover
C060	Interview Regarding TRU Waste Operations in Building 773-A with Bill Wilson
C061	Interview Regarding TRU Waste Assay and Packaging in Building 773-A with Veronica Shaw
C062	Mark 61 Target Fabrication on Process Description for Initial Production
C063	Memo by R. G. Baxter providing discussion of the possible availability and uses of by-production transplutonium nuclides from the SR CA programs
C064	Recycle of 252 Cf Intermediates
C065	SRL Digest 1970
C066	SRL Digest 1971
C067	SRL Digest 1972 January - November (UCNI)
C068	High Level Caves, Monthly Report, Dec. 21 1967 - January 20, 1968
C069	HLC, Monthly Report, 12/21/69 - 1/20/70
C070	HLC, Monthly Report, 1/21/71 - 2/20/71
C071	Interview Regarding Pesticide and Semi-Volatile Organic Standards in Building 773-A With Steve Crump and Tom White
C072	Isotopic Content of TRU Streams Containing Different Contamination Variety Identifications
C073	E-mail Correspondence from Marie Frazer to Jeff Harrison
C075	E-mail from Joe D'Amelio on Requested Information
C076	Record of Communication from Mark Doherty Re: SRS-AK-4 SRNL Organic Waste Issues
C077	Correspondence from Kerri Crawford to Frances Alston re: STAR Item Response - Contact Be Waste
C078	Evaluation of Volume, Period of Generation, and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-W027-773A-HET
C079	Memo from R. C. Hochel re: TRU Boxed Waste Measurement Task Team Meeting Minutes 6/23/89
C081	Evaluation of Volume, Period of Generation, and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-W027-773A-HOM
C083	E-mail correspondence from Jeff Lunsford to Jim Schoen.
C085	Email from Jeff Lunsford to Mike Papp

Source Document Number	Title
C086	Email from Jeff Lunsford to Jeff Harrison Re: SRS-7 and "Ice Cream" Cartons: Follow-Up to the Ann Gibbs Interview
C087	Addition of 2 Containers to Waste Stream SR-W027-773A-HET
C089	SED Traps in Solid Waste
D001	Savannah River Technology Center (SRTC) Monthly Reports
D002	SRTC Technical Area Safety Analysis Report
D003	252Cf: Large Scale Production, Separation, and Applications
D005	Californium-252 Review 1971-1972
D006	Californium-252 Progress
D007	Criticality Control Procedure - Disposal of Fissionable Material to the Radioactive Waste Systems
D008	Isotope Separation Processes
D009	252Cf Encapsulation and Shipping at SRL
D010	Californium-252 Progress
D011	Purification of ^{244}Cm and ^{250}Cf-^{252}Cf for Radiation Property Measurements
D012	Radiation Properties of Californium-252
D013	Californium-252 Encapsulation at the Savannah River Laboratory
D015	Radiation Control - Environmental Effects Division, Savannah River Laboratory (Monthly Report)
D018	Savannah River Laboratory Quarterly Report(s), 1974
D019	Safety Analysis - Savannah River Laboratory Technical Area (UCNI)
D020	Savannah River Laboratory Quarterly Report(s), Waste Management (1975)
D021	Savannah River Laboratory Monthly Report(s), ^{238}Pu Fuel Form Processes
D024	Steering Committee - SRL Defense Waste Management Program Review
D025	Program Review - SRL Defense Waste Management
D031	Characterization of High and Low Activity Liquid Waste from 773-A
D032	Quality Assurance Assessment of Project S-3987
D034	Californium-252 Progress
D035	Californium-252 Progress
D036	Californium-252 Progress
D037	Safety Analysis Savannah River Laboratory Technical Area
D038	Process Hazards Review of the 904-A Trench (U)
D039	Savannah River Laboratory Cobalt-60 Power and Heat Sources, Quarterly Progress Report
D040	Development of a Plant-Scale Resin Calcination System for Preparing Transplutonium Oxides or Oxysulfates
D043	Recovery of Plutonium-238 from Scrap Materials
D044	Separation of ^{238}Pu from ^{237}Np by Pressurized Anion Exchange
D045	Processing of ^{238}Pu and ^{237}Np with Macroporous Anion Exchange Resin
D047	Sampling and Analyses of SRP High-Level Waste Sludges
D049	Recovery of Americium-241 from Aged Plutonium
D050	Decontamination of TRU Glove Boxes

Source Document Number	Title
D051	Determination of Cadmium in Solutions Containing Uranium, Neptunium, and Plutonium
D052	Cation Exchange Process for Recovery of Plutonium from Laboratory Solutions Containing Chloride
D053	Dissolution of Plutonium Metal in Sulfamic Acid at Elevated Temperatures
D054	Isolating 241 Am from Waste Solutions Container Al, Ca, Fe, and Cr
D056	Analysis of Special Recovery Samples by Pu (III) Spectrophotometry
D057	Reclamation of Plutonium from Pyrochemical Processing Residues
D058	Recovery of Plutonium from Electrorefining Anode Heels at Savannah River
D059	Separation of ^{241}Am from Calcium and Lead Using Masking and Multiple Oxalate Precipitation Techniques
D060	Critical Experiments with Highly Burned-Up Plutonium in D_20
D061	Production of the Transplutonium Elements at Savannah River
D062	Savannah River Experience with Transplutonium Elements
D063	A Test for Oxidation of Actinides in Concentrated CsF Solutions
D065	Studies of Mixed Actinide Oxides: Am y Cm 1-y 0 x and Pu y Cm 1-y 0 x
D066	Physical Properties of Aqueous Solutions of the Transuranium Elements
D067	Analytical Chemistry of Neptunium
D068	Plutonium-238, Power in a Small Package
D069	Preparation of the Transuranium Nuclides
D070	Anion Exchange Separation of ^{238}Pu and ^{237}Np Using Macroporous Anion Exchange Resin
D071	Neptunium and Plutonium
D072	Thermal Conductivity of ^{238}Pu02 Powder, Intermediates, and Dense Fuel Forms
D073	Preparation, Microstructures, and Properties of PuO_2
D074	Effect of Oxalate Precipitation on PuO_2 Microstructures
D077	Savannah River Laboratory Technical Progress Report Converter Fuel Cycle Technology July - September 1978
D078	Savannah River Laboratory Technical Progress Report, Consolidated Fuel Reprocessing Program
D079	^{252}Cf Encapsulation and Shipping at SRL
D082	Laboratory Robotics Systems at the Savannah River Laboratory
D084	SRL Laboratory-Scale Fuel Reprocessing Facility
D091	773-A Waste Characterization Plan (U)
D102	SRTC Monthly Report 2000 January thru April and June thru November
D106	Process Hazards Review of the Liquid Waste Collection System, 776-A
D110	Storage of Solid Radioactive Waste
D113	Plutonium Vulnerability Study Site Assessment Report
D117	Isolation of Transplutonium Elements
D119	Monthly Report 01/1984 Occupational Health Protection Laboratory Operations Section Savannah River Laboratory
D121	E-Area, TRU Pads Transuranic Waste Acceptance Criteria

Source Document Number	Title
D122	Citation Determination and Evaluation of Waste Incidental to Reprocessing
D124	Separations Monthly Report for August 1984
D125	Savannah River Laboratory History Nuclear Reactor Technology
D126	Savannah River Laboratory History Defense Waste Management
D127	Savannah River Laboratory History General
D128	SRTC/TNX Waste Certification Plan
D129	SRTC Transuranic (TRU) Waste Characterization Plan
D132	ILC-2 Process Hazards Review
D133	History of the Savannah River Laboratory Volumes 1, 2, 3, 6, 9, 11, 13 (UCNI)
D143	Savannah River Laboratory History, Chemical Processes, January 1984 - December 1988
D152	TWBIR UPDATE 2004 for Compliance Recertification Application 2004.
D156	Waste Incidental to Reprocessing Citation Determination
D157	Annual Report Washington Savannah River Company 2005
D158	Washington Savannah River Company 2006 Annual Report
D159	2009 Savannah River Nuclear Solutions, LLC Annual Report
D160	Westinghouse Savannah River Company Annual Report 2004
DR001	AK Source Document Discrepancy Resolution, Waste Stream SR-W027-773A-HET, Heterogeneous Debris Waste from Building 773-A
DR003	Acceptable Knowledge Source Document Discrepancy Resolution, Waste Stream SR W027-773A-HOM Historical and Current RCRA Characterization and Assignment of EPA Hazardous Waste Numbers
M001	Burial Ground Records, TWPD forms, and 29-90 forms
M002	Container Paperwork
M003	Go West Database
M006	Process Flow Diagrams
M007	Analysis Performed/Chemicals used (pages from lab notebook)
M008	Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual
M009	Request/Approval For Deviation to SRS Waste Acceptance Criteria Manual
M010	High-Efficiency Particulate Air (HEPA) Filter, Fire-Resistant
M011	High-Efficiency Particulate Air (HEPA) Filter, Fire-Resistant (250 degrees min), Cylindrical
M012	Test Method C1204-91 (1996) Standard Test Method for Uranium in the Presence of Plutonium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration
M013	Test Method C1267-00 Standard Test Method for Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium
M014	Savannah River Site Chemical Inventory
M015	CIIS Inventory Downloaded 3/20/97 (from 1996 Inventory)
M016	Chemicals Received for Disposal (from SRTC) 1999-2002
M017	Specifications For TRU Waste Drums/TRU Waste Drum Filter Vent Specification

Source Document Number	Title
M018	Savannah River Site ATLAS Including Off Site Locations and Building Index
M019	Procurement Specification for 90 Mil Polyethylene Drum Liner/Lid
M020	Procurement Specification for 55 Gallon Painted Steel Drum
M021	Procurement Specification for 3/4 Inch Diameter Drum Filter Vents
M022	773A 29-90 WMP calculations
M023	773A TWDP Vol% calculations
M024	Radiological Evaluation for 773-A
M025	Memo: Evaluation of the Radiological Characterization of Waste Stream SR-W027-773A-HET
M027	Building 773-A Chemical Review Summary
M029	Acceptable Knowledge Beryllium Assessment for CCP-SRS AK Reports 1 through 7
M030	Email from Jeff Lunsford dated 8/31/2005. SRS Inventory Update
M031	Evaluation of Additional Containers for SRS-7 Waste Stream SR-W027-773A-HET
M032	BGRs and 29-90 Forms for Drums Added on 08/09/2006
M033	Evaluation of 10 Additional Containers for SRS-7 Waste Stream SR-W027-773A-HET
M034	BGRs, TWPDs, and SRS Quick Scan Data Sheets for 10 Drums added to HET Waste Stream on 01/04/2008
M035	Environmental Evaluation Checklists
M036	Evaluation of Additional Containers for SRS-7 Waste Stream SR-W027-773A-HET
M037	Transuranic Waste Container Characterization Forms
M038	la Calhene DPTE Transfer System Documentation
M039	Evaluation of Additional Containers for SRS-7 Waste Stream SR-W027-773A-HET
M041	Calculation Packages
M044	BGR Forms for SR-W027-773A-HOM Containers
M045	BGR/TWPD/29-90 Forms for Boxes added to SR-W027-773A-HET
M046	Evaluation of Additional Containers for Waste Stream SR-W027-773A-HET
M047	Transuranic Waste Container Characterization Forms (OSR 29-90) for 12/14/11 Drum Additions
M048	Evaluation of Boxed Waste from Building 776-A for Waste Stream SR-W027-773A-HET
M050	Evaluation of Additional Containers for SRS-7 Waste Stream SR-W027-773A-HET
M051	TRU Waste Container Characterization Forms (OSR 29-90) for Drum Additions to Waste Stream SR-W027-773A-HET
M055	Evaluation of Additional Containers for Waste Stream SR-W027-773A-HET/BGRs
M059	Evaluation of Radiological AK Data for Waste Stream SR-W027-773A-HET
P001	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control Includes DPSOP 40: Burial Container Limits

Source Document Number	Title
P003	Operating Procedures for Plutonium Glove Box Facility (PuGBF)
P004	Revised P/M Operating Procedures (Fab Lab)
P005	Technical Standards Master Copy
P006	Savannah River National Laboratory Transuranic Waste Procedure
P008	Waste Handling
P009	Decontamination of Building and Equipment
P010	Radioactive Waste Disposal-SRL
P011	Procedure for Processing Waste Through the Transuranic Waste Monitor
P012	Separation of Trace Plutonium from Uranium for Subsequent Analysis
P013	Plutonium: Coulometric Method
P014	Plutonium TTA Extraction and Alpha Analysis
P015	Strontium Precipitation Preparation for Liquid Scintillation Counting
P016	Automatic Determination of Hydroxide, Aluminate, and Carbonate in Alkaline Solutions of Nuclear Waste
P017	Determination of Uranium by Davies-Gray Titration, Automatic Titration Method
P018	Gross Alpha Activity (Direct Mount)
P019	Sodium Bicarbonate Determination
P020	Cesium Removal by Precipitation
P021	Storage of Strong Oxidizing Agents in Plastic Containers (U)
P022	ADS Radiologically Controlled Area (RCA) Rules and Work Practices (U)
P024	Procedure for Hydride Generation/Atomic Absorption (U)
P025	Destruction of ITP Sample Residue by Permanganate Oxidation Operating Procedure and Waste Analysis Plan (U)
P026	Tritium in High Activity Solutions by Liquid Scintillation
P027	Aqua Regia Dissolution of Sludge for Elemental Analysis (u)
P028	Oxalic Acid (Permanganate Volumetric Method), Vol. 1
P029	VI. Air Filter Systems-SRL
P030	Californium Neutron Source Preparation
P031	Add WIPP Waste Procedure
P032	Savannah River National Laboratory TRU Waste Receiving and Manifesting
P033	Analytical Development Section WIPP Waste Procedure (U)
P034	Chemical Technology Group WIPP Waste Procedure
P035	Segregation of SRTC/SSD Radioactive Wastes (U)
P036	Shielded Cells, Glovebox, Glove and Bag Maintenance
P037	Glovebox Gloves Change Procedure
P038	Operating Manual for Savannah River Laboratory High Level Caves, Building 773-A
P040	Packaging and Shipping of Solid Radioactive Waste TRU Waste Drum
P041	Technical Manual Curium Processing in the High Level Caves
P042	Curium Processing/High Level Caves, Chapter III Process Directions
P043	Technical Manual Master Copy Am-Cm Target Fabrication

Source Document Number	Title
P044	Transuranic Waste Characterization Plan
P046	TRU Drum Remediation Process
P047	Glovebox Gloves Change Procedure
P048	Absorbing Containerized Liquids
P049	Absorbing Containerized Liquids
P050	Transuranic (TRU) Waste Repackaging in H-Canyon
U001	Chronological History of the TRU Drum Vent Filter

GEN2

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:12:01617
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: December 5, 2012

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-MD-SOIL

Please accept the attached Savannah River site Waste Stream Profile Form SR-MD-SOIL, Revision 1 to be placed in records for Waste Stream # SR-MD-SOIL.

MFR:jmc

Attachment

cc: NWP

(without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-MD-SOIL, Revision 1						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock					(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 31, October 1, 2012						
(8) Did your facility generate this waste?	YES		NO	X		
(9) If no, provide the name and EPA ID of the original generator: Mound Site OH6890008984						
Waste Stream Information						
(10) WIPP ID: SR-MD-SOIL					(11) Summary Category Group: S4000 – Soil/Gravel	
(12) Waste Matrix Code Group: Soils					(13) Waste Stream Name: Contaminated Soil from the Mound Site	
(14) Description from the ATWIR: Soil mixed with absorbent and some commingled debris (i.e., rock concrete, rebar and piping).						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: 9 (17a) Number of SLB2s: 3		(18) Number of Drums: 60 55-gallon drums			(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.						
(21) List applicable EPA Hazardous Waste Numbers:[1] D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007 and F009						
(22) Applicable TRUCON Content Numbers: SQ 111 / SQ 211, SR 411						
(23) **Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-8, Revision 8, October 10, 2012, Figures 1, 2, 4 and 5						
(23B) Facility mission description: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.2						
(23C) Description of operations that generate waste: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.3						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.5						
(23E) Types and quantities of waste generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.2						
(24) Waste certification procedures: CCP-TP-030, Revision 30, May 21, 2012						
(25) Required Waste Stream Information						

(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.3			
(25D) Waste Process flow diagrams: N/A,			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-MD-SOIL Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) Supplemental Documentation			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P017, P034, P041, P049, P050, P057, P073, P079, P099, P117, P124, P125, P126, P127, P128, P129 and U019 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27C) Safety Analysis Reports: See I050, P027, P036, P067 and P072 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27D) Waste packaging logs: See I005, P099 and U002 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27E) Test plans/research project reports: See C042, M061 and M062 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27F) Site databases: See I017, I020 and P096 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27G) Information from site personnel: See C003, C005, C007, C008, C010, C011, C012, C013, C016, C020, C040 and I048 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C041, C042, I005, I019, M061, M063, M064, M076, M077, P017, P073, P098 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27J) Material safety data sheets: See P095 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27K) Sampling and analysis data from comparable/surrogate Waste: See C042, M061, M062, P013, P086 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

This WSPF was revised to address the addition of the standard large box 2 (SLB2) payload container and associated TRUPACT-III Content Code Number SR 411 to waste stream SR-MD-SOIL. The changes to not affect the waste stream designation or assignment of Environmental Protection Agency (EPA) hazardous waste numbers, as identified in the previously approved WSPF.

Reviewed by AK Expert: YES [X] **Date:** 10/11/2012

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 10/15/2012

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

BSchrock	Beverly Schrock	10/15/12
Signature of Site Project Manager	Printed Name	Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-MD-SOIL Rev. 1

Lot 6

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 004

Solids Analysis VOC UCL_{90} Evaluation Form..... 005

Solids Analysis SVOC UCL_{90} Evaluation Form..... 007

Solids Analysis Metals UCL_{90} Evaluation Form..... 008

Solid VOCs Summary Data..... 009

Solid SVOCs Summary Data..... 010

RTR/VE Summary of Prohibited Items and AK Confirmation..... 011

Reconciliation with Data Quality Objectives..... 012

CCP Characterization Information Summary Cover Page

Waste Stream # SR-MD-SOIL Lot #: 6

AK Expert Review: N/A Date: N/A

SPM Review: Joshua Houghton Date: 11/6/2012

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 6	03/04/08	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
ACCM-8909	Rev. 9	01/20/05	Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
ACCM-9500	Rev. 11	12/15/05	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
ACCM-9500	Rev. 10	07/28/04	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 8	01/20/05	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 7	07/28/04	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 14	12/01/05	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 13	12/21/04	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
ACMM-9441	Rev. 11	12/22/04	Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 3	01/27/05	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 2	04/07/03	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 3	01/27/05	Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 2	04/07/03	Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 16	04/26/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 15	11/22/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 14	11/16/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 13	07/21/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 12	05/25/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 11	03/23/05	Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/30/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 19	12/22/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 18	11/16/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 17	10/10/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 16	06/06/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 15	08/16/05	CCP Reconciliation of DQOs and Reporting Characterization Data

CCP Characterization Information Summary Cover Page

CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 15	11/16/06	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 14	09/03/03	Sampling Design and Data Analysis for RCRA Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/05/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 30	05/21/12	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 29	04/26/11	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 28	05/12/10	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 27	12/14/09	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 26	05/27/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 25	01/22/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 24	08/20/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 23	03/12/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 22	07/24/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 21	05/21/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 20	02/07/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 19	11/16/06	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 18	05/01/06	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 17	12/29/05	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 16	04/22/05	CCP TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/30/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 17	06/23/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 16	10/31/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 15	08/10/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 14	03/28/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 13	11/16/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 12	03/22/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 11	03/10/05	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 25	12/29/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 24	06/30/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 23	04/07/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 22	01/12/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 21	01/26/09	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 20	11/02/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 19	05/22/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 18	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 17	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 16	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 15	03/22/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 14	12/29/05	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 13	05/09/05	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 28	12/29/10	CCP/SRS Interface Document
CCP-PO-004	Rev. 27	05/22/09	CCP/SRS Interface Document
CCP-PO-004	Rev. 26	08/26/08	CCP/SRS Interface Document
CCP-PO-004	Rev. 25	05/20/08	CCP/SRS Interface Document
CCP-PO-004	Rev. 24	06/28/07	CCP/SRS Interface Document
CCP-PO-004	Rev. 23	01/31/07	CCP/SRS Interface Document
CCP-PO-004	Rev. 22	11/16/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 21	03/31/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 20	11/02/05	CCP/SRS Interface Document
CCP-PO-004	Rev. 19	03/14/05	CCP/SRS Interface Document

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 6

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes
MDL0504556	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506223**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506233**	N/A	N/A	N/A	WCS-0501	ALD05023S,N,V,M	N/A
MDL0506246**	N/A	N/A	N/A	WCS-0502	ALD05018S,N,V,M	N/A
MDL0506267**	N/A	N/A	N/A	WCS-0501	ALD05024S,N,V,M	N/A
MDL0506281**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506656	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506675	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506692	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL504586B	SRLBC0210	SR4RTR0108	N/A	SSC11-00008	ALD11026S,N,V,M	N/A

Note: This Lot was established for WSPF revision to capture the data present in the UCL_{90}. All RTR/NDA data for these containers have been accounted for in previous Lots.

** These containers were randomly selected for solids sampling and analysis and are included for the verification of hazardous waste number assignment for the waste stream only.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	4	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

CJS-005

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.

[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

AES-006

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pyridine [a]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.
[b] Required only for waste matrix code S3220 (organic sludges).

GES-007

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1

Waste Stream Lot Number 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27800	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

CES-008

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

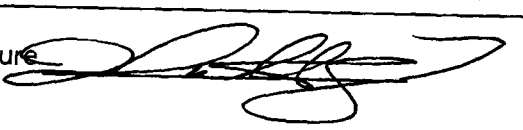
CCP Solid VOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature  Date 11/6/2012

CCP Solid SVOCs Summary Data

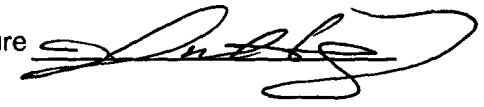
Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Diethyl Phthalate(1)	1.70	5	50.00%

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

(1) Diethyl Phalate was detected in greater than 25% of the samples. No additional sampling is expected and the TIC will be added to the Target Analyte List for this waste stream for any future sampling sets.

SPM Signature  Date 11/6/2012

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-MD-SOIL Lot #: 6

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for waste stream SR-MD-SOIL.

Site Project Manager Signature | Joshua Houghton Printed Name | 11/6/2012 Date

CES-011

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

Sampling Completeness

RTR/VE:

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments: None

Signature of Site ~~Project~~ Manager | Joshua Houghton Printed Name | 11/6/2012 Date

CIS-014

Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL

Overview

Waste stream SR-MD-HET consists of contact-handled transuranic (TRU) contaminated soil generated at the Mound Site and stored by the Savannah River Site (SRS). The containers in this waste stream were transferred from the Mound Site to SRS for characterization and storage between 2001 and 2005. Mound was an integrated research, development, and production facility performing work in support of both U.S. Department of Energy (DOE) weapons and energy programs. The primary mission as it relates to the generation of TRU waste was the processing of Plutonium (Pu)-238 for the fabrication of radioisotopic heat sources for space and military applications. Pu-238 production operations started in 1961 and ended by 1980. Since 1980, Mound operations have included radiochemical analysis, decontamination and decommissioning (D&D), and site remediation.

Waste Stream SR-MD-SOIL was contaminated with or generated by Mound operations in support of defense nuclear materials production and defense research and development. Therefore, this waste stream is defense related waste.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-MD-SOIL, Rev. 1 for contaminated soil generated at the Mound Site. The WSPF was originally approved on September 29, 2010. The primary source of information for this Summation is CCP-AK-SRS-8, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C,* Revision 8, October 10, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Contaminated Soil from the Mound Site
Waste Stream Number:	SR-MD-SOIL
Dates of Waste Generation:	June 1988 – May 2005
Waste Stream Volume – Current:	60 55-gallon drums 9 standard waste boxes 3 standard large box 2s
Waste Stream Volume – Projected:	None
Summary Category Group:	S4000 – Soil/Gravel
Waste Matrix Code Group:	Soils
Waste Matrix Code:	S4200
TRUPACT-II Content Codes:	SQ 111/SQ 211
TRUPACT-III Content Code:	SR 411

Annual Transuranic Waste Inventory Report (ATWIR) Identification Number: SR-MD-SOIL

Waste Stream Description and Physical Form

Waste stream SR-MD-SOIL is comprised primarily of soil but also includes some rock, concrete, rebar, and piping (References I092 and U001). Absorbent (i.e., Florco or Petrosorb) was also added to soil containers (References P095 and U001). Mound soil is primarily glacial till ranging from gravel and sand to dense clay with clay being predominant (Reference P065).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from the cleanup of research and processing areas and D&D/remediation of Mound facilities.

Point of Generation

Location

Waste Stream SR-MD-SOIL was generated at the Mound Site in Miamisburg, Ohio. The waste is currently stored at the SRS E-Area TRU waste storage pads in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-MD-SOIL was generated from D&D of Special Metallurgical (SM) Building, remediation of the SM West Asphalt Area, and remediation of two areas of the Waste Transfer System (WTS) underground transfer lines. One area was a segment of the WTS that ran from Semi-Works (SW) and Research (R) Buildings to Waste Disposal (WD) Building. The other area of the WTS was the hillside near WD Building where lines ran from SM and Plutonium Processing (PP) Buildings to WD Building (References P040, U001, and U018).

Generating Processes

Description of Waste Generation Processes

A brief description of the specific areas and buildings at Mound that generated TRU waste is provided below (Reference P020).

SM Building

The SM facility became operational in 1961 and was the original building used for Pu-238 processing until operations were transferred to PP Building (References M042, P036, P053, and P054).

PP Building

The PP facility (also known as Building 38) was constructed in 1967 and was used primarily for production of Pu-238 heat source capsules and Pu-238 recovery operations. The Pu-238 processing operations ended by 1980. The only TRU waste generating operations since that time were various programs in the north analytical line and building support functions (References M042, P044, and P054).

R Building

The R facility was built in 1948 and was initially used for research and development (R&D) for the polonium-210 program. The polonium program was phased out by 1971. Pu-238 research began in about 1959. Most of the Pu-238 work ended in about 1978 although a few operations continued into the 1990s. R&D work involving tritium was also conducted starting in the early 1980s (References I090, M042, and P054).

SW Building

The SW facility consisted of many laboratories used for a variety of operations. The "old cave" and "new cave" areas consisted of a number of rooms with several types of alpha and gamma radiation and project capabilities (References M042 and P054).

WD/Waste Disposal Annex (WDA) Building

The WD facility became operational in 1949 and was the central facility for the treatment of liquid radioactive wastes at Mound. The WDA was added in 1966 for the treatment of alpha waste water from SM and PP buildings. The beta waste water treatment system began in 1967 (References M042, P045, and P054).

Waste Transfer System and Hillside

The WTS includes underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. The WTS remediation included the underground pipeline that ran from SW/R to WD and the two (2) underground pipelines that ran from SM/PP to the pump house (Building 41) and then to WD through two (2) underground pipelines. The Hillside is located adjacent to WD, and is the site of a 1969 spill resulting from a ruptured pipeline (References M042, P053, and U018).

Sewage Disposal Plant

The Sewage Disposal (SD) Plant was built in 1948 to process sanitary waste. It was taken out of service in the 1970s when it became too small and was replaced by a new sanitary sewage disposal plant. The area surrounding the old SD Plant became contaminated due to the 1969 rupture of the WTS pipeline and from a waste line break near Building 48 in 1970 (References I090, M044, and P056).

D&D/Remediation Operations

Soil waste was generated during D&D operations and from several remediation projects. Areas remediated included portions of the WTS underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. In addition, contaminated areas beneath and adjacent to SM Building have also generated soil.

The WTS pipeline, which was placed into operation in 1968, carried acidic and caustic wastewater from PP Building to WD Building. During a routine transfer of plutonium nitrate solution on January 23, 1969, the pipeline ruptured leading to significant Pu-238 contamination. The rupture occurred at a corroded joint located in a section of pipe on the hillside between the pump house (Building 41) and south of WD Building. The rupture of this pipeline also caused the area surrounding the old SD facility (which was adjacent to WD Building) to become

contaminated with Pu-238. In December 1970, elevated alpha activity was observed at the SD influent tanks during routine monitoring. Subsequent search and sampling of the sanitary and process sewer lines indicated that seepage from the process lines had in fact affected the sanitary lines which were made from vitrified clay. Soil removal from this area was done in 1974 and shipped to Idaho (References I028, I033, I090, M044, P017, P018, P056, P086, and P099). Additional remediation of this area in 1988 generated the TRU soil in this waste stream (References C003, C016, M042, and U001).

Soil was also generated in 2004 and 2005 from the remediation of Potential Release Site (PRS)-438. PRS-438 was an area with contaminated soil and a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building (References M062, U001, and U018).

The area under and immediately surrounding SM Building was contaminated with Pu-238. The contamination was largely the result of activity located beneath the operations side of the building and the previous utilization of low-risk tanks outside the building (References I033 and P017). The TRU soil in this waste stream was from beneath the building floor; specifically SM-10 (References P020 and U001).

Soil was also generated in 2005 by the SM West Asphalt Project. The "West Asphalt" area is immediately adjacent and west of the SM/PP stack running west to the roadway and approximately 30 meters north. This location on the SM/PP hill is known to historically contain several radiological hot spots (References M061 and U001).

Waste Stream Material and Chemical Inputs

The following table identifies the RCRA toxicity characteristic and listed constituents identified in this waste stream.

Waste Stream SR-MD-SOIL Chemicals

Chemical	EPA Code	Use/Presence	References
Copper, gold, and sodium cyanide plating solutions	F007 F009	SD influent from plating shop	I090
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) SD influent from plating shop	P020 P096 I090
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Cadmium	D006	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004
Chromium	D007	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004

Lead	D008	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Mercury	D009	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Selenium	D010	Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 P020 P096 C016, I008, M004
Silver	D011	Listed as a trace contaminant of soil SD influent from photographic solution SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 I090 P020 P096 C009, I008, M004
1,1,1-Trichloroethane	F002	Solvent extraction in R Bldg Cleaning in SW Bldg Chemical used in SM, PP, and R Bldgs	I090 P020 C016
1,1,2-Trichloroethane	F002	Unspecified uses	C016
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	SD influent from plating shop Degreasing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 C019 P096 C005, C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
Tetrachloroethylene	F002	SD influent Solvent use in SW Chemical used in SM, PP, and R Bldgs	I090 C019 C011, C016
Trichloroethylene	F002	WD influent from SM and R SD influent from plating shop Degreasing in SM R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I045, I090, P065 I090 C007, C010 P096 C011, C016
Acetone	F003	WD influent from SM and PP SD influent from plating shop SM for cleaning Ultrasonic cleaning in R Bldg Cleaning in SW Chemical used in SM, PP, and R Bldgs	I090, P065, P100 I090 C007, C008, I050 P020 C019, P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016

Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016
Methanol	F003	WD influent from SM and R Degreasing in SM Cleaning in SW Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C010, C020 P020 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	Cleaning and polishing in SW Scintillation counting R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P064 P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Toluene	F005	Cleaning and polishing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019, P020 P096 C011, C016

RCRA Determinations

Historical Waste Management

Waste Stream SR-MD-SOIL has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as non-hazardous waste. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007, and F009. The Waste Stream SR-MD-SOIL Chemicals table summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, analytical data, chemical inventories, and interviews (References DR002, I001, M061, M062, and U001).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The materials in waste stream SR-MD-SOIL do not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. Mound used ignitable liquids including

alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene). However, the material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Liquids, compressed gases, and pyrophorics are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Pyrophoric materials do not exist in Mound soils. Underground piping that leaked originated from buildings that did not contain or dispose of pyrophoric materials in the piping (Reference P065). Waste stream SR-MD-SOIL is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-SOIL do not meet the definition of corrosivity as defined in 40 CFR 261.22. Mound used acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide). However, liquids are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). Also, the acid from the pipe rupture was neutralized by the soil carbonates (Reference P013). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-SOIL is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-SOIL do not meet the definition of reactivity as defined in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain sulfides. The materials are not capable of detonation or explosive reaction. Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, P105, P117, P120, P121, and U019). Waste stream SR-MD-SOIL is therefore not reactive (D003).

Calcium metal was used in the 1960s to reduce plutonium tetrafluoride to metal. After the reduction process, the Pu-238 metal was broken away from the slag, and the metal was cleaned with a brush to remove adherent slag and calcium metal. The slag and calcium metal were sent to plutonium recovery, and therefore, will not be in this waste stream (Reference I090).

Cyanides were contained in aqueous liquids treated in SD and WD Buildings and residual cyanides could therefore be present in the soil. However, residual cyanides would not cause the soil to exhibit the characteristic of reactivity (References I045, I090, and P100).

Toxicity Characteristic

Waste stream SR-MD-SOIL exhibits the characteristics of toxicity for metals as defined in 40 CFR 261.24. The toxicity characteristic metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver may be present in trace quantities in soil.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil samples (29) were analyzed for total metals. Several RCRA regulated metals were detected in small quantities (barium at 210 parts per million [ppm] was the highest concentration) but none above the regulatory level. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for metals by the Toxicity Characteristic Leaching Procedure (TCLP). Several RCRA regulated metals were detected in small quantities (barium at 3,960 micrograms per liter was the highest concentration) but none above the regulatory level (Reference M061).

Even though the analytical results indicate the metal concentrations are less than their respective regulatory levels, the above data do not represent the entire population of soil (References M061 and M062). In addition, the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). For these reasons, EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, and D011 are applied to waste stream SR-MD-SOIL (Reference DR002).

Waste stream SR-MD-SOIL does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24. The toxicity characteristic organics benzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene may be present in the soil. However, these compounds are known (or in some cases assumed) to have been used for their solvent properties, and therefore, the more specific F-listed hazardous waste numbers are assigned. Consequently, D018 (benzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to the waste stream (Reference DR002).

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Methyl ethyl ketone was the only toxicity characteristic organic detected with the highest concentration being 69 micrograms per kilogram. Benzene, tetrachloroethylene, and trichloroethylene were not detected in any of the samples. Other toxicity characteristic organics were not analyzed. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter.

Nearly every toxicity characteristic organic was analyzed for, and no other constituents were detected (Reference M061).

Although every toxicity characteristic organic compound was not analyzed for and the above analytical data do not represent the entire population of soil, the same approach was not used for the assignment of toxicity characteristic organic hazardous waste numbers as was done for the toxic metals. This is because the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). Pure organic compounds were not treated in the SD or WD facilities and are not expected to be present above regulatory levels (References I090, M042, M044, P045, P054, and P056). Therefore, waste stream SR-MD-SOIL is not assigned toxicity characteristic organic EPA hazardous waste numbers.

Listed Waste

F-Listed Waste

Waste stream SR-MD-SOIL may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31. Aqueous solutions containing trace quantities of organic solvents from R, SW, SM and/or PP Buildings were treated in WD Building. Several aqueous solutions containing trace quantities of organic solvents were also treated in the old SD facility. This waste stream includes soil from under and west of SM Building and from remediation of underground liquid waste transfer lines north and south of SD Building and WD Building and is therefore potentially contaminated with these liquids. Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-SOIL. EPA hazardous waste numbers F002, F003, F004, and F005 are therefore assigned to waste stream SR-MD-SOIL (Reference DR002).

Spent plating bath solutions and spent stripping and cleaning bath solutions from electroplating operations where cyanides were used from the plating shop were treated in SD Building. There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. Therefore, EPA hazardous waste numbers F007 and F009 are assigned to waste stream SR-MD-SOIL (Reference DR002).

Although 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Several organic solvents were detected in small quantities (210 parts-per-billion was the highest concentration) including ortho-dichlorobenzene (1 detect), methylene chloride (4 detects), acetone (4 detects), methyl ethyl ketone (3 detects), and toluene (3 detects). These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by the TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter. No other constituents were detected (Reference M061).

Several of the organic solvents listed were not analyzed for, and the above analytical data do not represent the entire population of soil. For this reason, those organic constituents are assumed to be present as spent solvent contaminants of the soil (References M061 and M062).

K-Listed Waste

This waste stream does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32.

P- and U-Listed Waste

Waste stream SR-MD-SOIL is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste.

The organic solvents were in spent aqueous solutions discharged through the WTS for treatment which does not meet the definition of a U-listed waste. In addition, hydrofluoric acid was used in analytical laboratories and in the plating shop. The hydrofluoric acid from these operations was used for its intended purpose prior to being discharged through the WTS for treatment and will not be present in the soil as unused product. Therefore, this waste stream SR-MD-SOIL is not a U134-listed waste (References I090 and P100). Beryllium was not specifically identified in this waste stream. Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil cores were divided into aliquots for analysis, including 29 analyzed for beryllium. Most of the samples contained extremely small amounts of beryllium ranging from 0.54 to 1.4 ppm. However, the beryllium contamination in this waste does not meet the definition of a P-listed waste (Reference M062). Therefore, this waste stream is not assigned U- or P-Listed EPA hazardous waste numbers.

Polychlorinated Biphenyls

The soil and debris materials in waste stream SR-MD-SOIL are not regulated as a Toxic Substances Control Act (TSCA) waste under 40 CFR 761 because no sources of PCBs have been identified in this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream. The soil samples (29) were analyzed for nine different Aroclors as well as decachlorobiphenyl. The Aroclors were all below the 50 microgram per kilogram detection limit, and the maximum concentration of decachlorobiphenyl was 183 micrograms per kilogram. Since the TSCA regulatory level is 50 ppm (milligrams per kilogram), this soil is not regulated as PCB waste (Reference M062).

Prohibited Items

Prohibited items were not identified in this waste stream on the container paperwork (Reference U001). Historical RTR observed small amounts of liquids (non-prohibited quantities), which originated from spraying water to suppress dust before waste container packaging (Reference DR007, M064, and U019). However, characterization activities have identified prohibited quantities of liquid. Therefore, containers with prohibited waste items identified during characterization activities will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The following waste material parameters are associated with waste stream SR-MD-SOIL. This information is based on specific waste items identified in packaging procedures, standard operating procedures, and waste disposal forms (References I092 and U001).

To estimate the waste material parameter weight percentages for waste stream SR MD SOIL, data were obtained from the 29-90 forms. SRS observed the packaging of the waste at Mound and estimated the material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for 19 containers from waste stream SR-MD-SOIL were evaluated.

A statistical analysis of the 29-90 data was performed, the results of which are presented in the Waste Stream SR-MD-SOIL Waste Material Parameters table.

Waste Stream SR-MD-SOIL Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	3.3%	0 – 21.3%
Aluminum-based Metals/Alloys	0.0%	0 – 0.0%
Other Metals	0.0%	0 – 0.0%
Other Inorganic Materials[1]	1.9%	0 9.5%
Cellulosics	0.0%	0 – 0.0%
Rubber	0.0%	0 – 0.0%
Plastics	0.1%	0 – 6.4%
Organic Matrix[1]	0.0%	0 – 0.0%
Inorganic Matrix	0.0%	0 – 0.0%
Soils/Gravel	94.7%	75.3 – 100%

[1]Review of the 29-90 forms has determined that inorganic absorbent has been listed incorrectly as organic. Therefore, the original waste material parameter evaluation has been updated.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

To determine isotopic ratios for waste stream SR-MD-SOIL as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers."

As shown in the Waste Stream SR-MD-SOIL Radiological Characterization table, Pu-239 is the most predominant radionuclide by mass, and Pu-238 is the second most predominant radionuclide by mass (References DR005, DR015, I020, I092, M077, M078, M079, and U001).

Waste Stream SR-MD-SOIL Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1]	Total Radionuclide Curie%[2]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	1.29%	0.92%	Trace – 22.13%	Trace – 11.94%	Yes
Pu-238	**27.54%**	97.64%	2.11 – 99.99%	66.80– 99.99%	Yes
Pu-239	**60.80%**	0.78%	0 – 96.20%	0 – 13.54%	Yes
Pu-240	0.24%	0.01%	0 – 5.83%	0 – 1.73%	Yes
Pu-242	0.04%	Trace[5]	0 – 0.80%	0 – Trace	Yes
U-233	Not Reported[6]	Not Reported	Not Reported	Not Reported	Yes
U-234	7.12%	0.01%	0 – 32.65%	0 – 0.02%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Sr-90	Trace	Trace	0 – Trace	0 – Trace	Yes
Cs-137	Trace	0.08%	0 – 1.97%	0 – 9.28%	Yes
Additional Reported Radionuclides					
Bi-214	Trace	Trace	Trace	Trace	Yes
Co-60	Trace	Trace	Trace	0 – Trace	Yes
Np-237	2.94%	Trace	0 – 24.89%	0 – Trace	Yes
K-40	Trace	Trace	Trace	Trace	Yes
Pb-212	Trace	Trace	Trace	Trace	Yes
Pb-214	Trace	Trace	Trace	Trace	Yes
Pu-241	0.03%	0.56%	0 – 0.46%	0 – 21.83%	Yes
Other Radionuclides Not Reported in Soil Assay but May Be Present in Trace Amounts[7]					
Ac-227	H-3	Pa-231	Pb-210	Ra-226	Ra-228
Th-228	Th-229	Th-230	Th-232	Ac-228	Ba-133
Bi-212	Bi-213	Cf-252	Cm-244	Cs-134	Eu-152
Eu-154	Fr-221	Ho-166m	Na-22	Pa-233	Pb-206
Pb-211	Po-209	Po-210	Pu-236	Ra-223	Ra-226
Rn-219	Sb-125	Th-227	Th-234	Tl-208	U-232
U-235	U-237	Y-90			

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
3. This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 percent for that radionuclide.
6. "Not Reported" indicates that an activity value for that radionuclide was not reported in assay results but is suspected present in the waste stream.
7. These radionuclides were not reported in assay data for soil but were historically processed at Mound and/or were detected in assay of debris waste, and therefore, may be present in this waste stream. Only trace amounts are assumed to be present in the waste stream.

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Number	Title
C003	Interview with Bill Franz
C005	Interview/Dan Hopkins
C006	Interview/Dick Blauvelt
C007	Interview with Dr. Bernie Kokenge
C008	Interview with Toby Elswick
C009	Interview with Paul Figgins
C010	Interview/Clyde Chong
C011	Interview/Ron Goss
C012	Interview/Bill Davis
C013	Interview/Al Combs
C016	Interview/Ron Saun
C019	Interview/Mike Deaton
C020	Record of Communication Don Luthey
C022	Justification for Pu-238 Programs
C024	List of different types of containers
C040	E-mails from C. Sienkiewicz to J. Harrison, Re: Mound Soil and Soil Packaging Questions
C041	Rockwell International Letter from J. K. Paynter to B. C. Barrett. Subject: Radionuclide Information Required For TRUPACT II Shipments
C042	Letters to Thomas L. Clements, EG&G Idaho from R.N. Rogers, LANL, Re: Reactivity of Resins (nitrated)
C043	Email from Jeff Harrison to Felicia Hinojos re: SRS-8 Freeze File – SR-MD-SOIL Layers of Confinement
C044	E-mail to Mike Papp: Subject Packaging Procedures: Repackaging plans for TRU waste described in CCP-AK-SRS-8
C046	Reconciliation of Waste Containers List for Waste Streams SR-MD-HET, SR-MD-HOM-A, SR-MD-HET, and SR-MD-SOIL
DR001	Discrepancy Resolution: Heterogeneous Debris
DR002	Discrepancy Resolution for Soils/Debris
DR003	Discrepancy Resolution: Inorganic Absorbents
DR005	Discrepancy Resolution. Radionuclides in Mound Waste Streams
DR006	Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET
DR007	Discrepancy Resolution. Drums in Waste Stream SR-MD-SOIL Containing Residual Liquids
DR008	Discrepancy Resolution with EPA Codes for of Waste Stream SR-MD-HOM-C
DR009	Acceptable Knowledge Source Document Discrepancy Resolution. MDL021377 Compacted Waste
DR010	Acceptable Knowledge Source Document Discrepancy Resolution. Drums Not S5000
DR015	Acceptable Knowledge Source Document Discrepancy Resolution Reassignment of Predominant Radionuclides for SR-MD-SOIL
DR017	Acceptable Knowledge Source Document Discrepancy Resolution - Waste Stream SR-MD-HOM-C Radiological Characterization
I001	Transuranic Waste Baseline Inventory Report 1995
I003	Milliwatt Surveillance Program Ensures RTG Safety and Reliability. The Actinide Research Quarterly.
I005	Waste Exam Log for RTR Tapes
I007	O.U.9 Site Scoping Report
I008	Drum Container Tables

Source Document Number	Title
I010	TRAMPAC Requirement Matrix by Drum
I011	EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code
I017	List of Drums /Date/Source/Operation/Misc./By
I018	Draft Mound Compliance with TRUPACT II
I019	Waste Characterization Services Report
I020	Spreadsheets of Waste from SRS Bill Nauman and Glen Siry
I021	Completion of Mound "Newly Generated Waste" TRU Waste Certification Program Evaluation
I023	Criticality Safety Evaluation for Mound RTG Storage DRAFT
I026	Predecisional Draft for the Semi-Works/Research (SW/R) Tritium Complex
I028	CERCLIS Memo
I030	Mound Lab Annual Report
I031	Plutonium Working Group Report on Environmental, Safety and Health Vulnerabilities Associated with the Departments Plutonium Storage Vol.2-App.B-Part 7
I032	Mound Heat Source
I033	Investigation Report No.74-13 Plutonium Off-site
I036	Mound Laboratory
I039	Transportation/Communication Plan 11/28/00 TRU Waste Shipment to SRS.
I042	Transmittal of Mound Waste Box Evaluation
I043	Mound Laboratory Fact Book
I044	Pu-238 Fuel Data Sheets
I045	TRU Waste Certification Task Sludge From the Waste Disposal Plant
I048	Regulatory Requirements Associated with Transfer of Mound's Transuranic Waste to Another DOE Site
I050	Support to DOE Mound- Building 38 Safety Analysis Report (SAR) and Technical Requirements (TSRs)
I057	R. M. Munson Memo to R.A. Neff of 2-1-85/Ohio EPA Proposed Law Suit
I063	On Site Handling, Repackaging, and Transportation of Nuclear Materials Located In SW-19 and R-127 (UCNI)
I066	Mound Transuranic Waste Feasibility Study
I067	Verification Methods Matrix
I070	Mound Site TRU Waste Data Preliminary TRUPACT II Transportation Compliance Evaluation
I072	1 S SRS Waste Acceptance Criteria Manual
I074	Container Approval Requests and Deviations for Shipments
I081	Material Type Codes
I082	Tables of TRU waste packages
I083	A-Line gloveboxes - Summary of characterization data
I084	Waste Category - TRU Boxes
I086	TRU Waste Box 558
I090	Operable Unit 9, Site Scoping Report: Volume 7 – Waste Management
I092	Go West Data Base From SRS
M001	Mound Site [Miamisburg] - United States Nuclear Forces Web Site-www.globalsecurity.org/wmd/facility/mound.htm
M002	Chemical Compatibility and Material List Data Requirements for TRUPACTII Authorized Payload Compliance Plan
M003	TRUPACT-II Shipment of Mound Pu-239 Material
M004	"Summary Report on Mound Boxes," E-mail to KellyCR@wipp.carlsbad.nm.us [Clint Kelley]
M006	Memo From DOE Ohio Field Office to EPA-Mr. Tony Martig, Re: PCBs in Oil

Source Document Number	Title
M012	Facsimile Transmittal to Glenn Siry, Re: Mound Facility-Background Volume STP FY00 Update
M014	Interview Notes
M015	Letter to R. L Wainwright, Area Manager, U. S. AEC, Re: Program to Reduce the Generation of Transuranium (TRU) Contaminated Solid Waste
M016	Letter to J.L. Hebb, Re: Status of Pu Waste and TRU Implementation
M017	E-mail to HERTFR@doe-md.gov, Re: Emailing: space-desc [Office of Space and Defense Power System]
M018	Letter to W.W. Hickman, Waste Management Manager, Aerojet Nuclear Co., Re: Shipment of Mound Laboratory's TRU Waste to the NRTS for Retrievable Storage
M025	Notes from a draft document [title not given]
M027	Mound Laboratory-Classified Document, Summary ADC Unclassified 4/1/03, Defense Processes at Mound
M029	Memo to W.P. Davis and T.C. Elswick, Re: SAND Boxes
M031	List of sources of TRU waste from Main-Hill Tritium (MHT) project
M034	Memo on 3 subjects 1) Use of Insta-Foam Froth Pak, 2) Equipment Removal, 3) Use of the Cardboard Liner in the FRP Box
M036	Specification Drum 55 gal. DOT-17C
M037	Change Notice of Offsite Packaging Criteria (IDO-10074) for Revised Metal Container Painting Requirements-RHB-263-81
M038	Specification- Drum 30 gal. DOT-17H, WMP-572005
M039	Specification-Container, Waste: DOT 7A Steel Box (MIII Bin), WMP-572010
M040	Letter to D.A. Edling, Re: "Idaho TRU Waste Criteria" with attached Letter to H.N. Hill and D. Ofte, Area Manages, DOE Dayton and Rocky Flat Area Offices, Re: "Revision of the Off-Site Packaging Criteria for Receipt of TRU Waste at the INEL RWMC
M041	Letter to R. K. Blauvelt, Re: "Change Notice of Offsite Packaging Criteria Report IDO-10074-RMS-61-81" and attached "Specification Sponge Rubber Gasket DOT 17C 55-Gallon Drum"
M042	Current Scope of Activities at Mound (a presentation)
M043	Letter to B.G. Twinning, Manager, AL, Re: Mound TRU Waste Shipments to INEL
M044	E-mail to DOE_OH.MOUND.Church Ronald, Re: Process Knowledge for Old SD Project
M052	E-mail to COLVRL, Re: Contaminated Precious Metals
M054	Letter to J.P. Hamric, Director, Nuclear Fuel Cycle Div. ID, Re: Packaging Criteria for TRU Waste Shipments to INEL
M055	Memorandum to D. Agnew, et. al., Re: WTS Line Removal Problems/Suggestions
M059	Mound MDL Numbers
M060	Request for Deviation to SRS Waste Acceptance Criteria Manual
M061	Sample and Analysis Plan-West Asphalt (SM/PP Hill) and Additional Documentation (See Document Summary for Additional Documentation Titles)
M062	R and SW Buildings Sampling & Analysis Plan, and Additional Documentation (See Document Summary for Additional Document Titles)
M063	Straight Bill of Lading. Shipper: U.S. DOE, c/o CH2M Hill Mound, Inc.
M064	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL
M065	Evaluation of Additional Containers for SRS-8 Waste Stream SR-MD-HET (Mound)
M076	Waste Stream Profile Form for IN-W174.1082, IN-W174.154, IN-W177.1083, IN-W177.156
M077	NDA Weight Percent Data Through Lot 3, SR-MD-SOIL
M078	Mound Radiological Data Dump from the SRS GoWest Database dated 07/08/2005
M079	Radiological Re-evaluation Data Analysis for SR-MD-SOIL

Source Document Number	Title
M080	Discrepancy Report D047A - Assessment Of Hazardous Waste Numbers Assigned To BN304 Waste Stream Profile, Mound Debris Stream
P001	Alpha Fuels Environmental Test Facility (Day 59)
P013	Assessment of the AWC TRU Clean Process for use on Mound Soils and Sediments
P015	Tools for Decontamination and Decommissioning of Nuclear Facilities
P016	Mound's Decommissioning Experience, Tooling, and Techniques
P017	The Mound Site Survey Project for the Characterization of Radioactive Materials in the Site Soils
P018	Reinvestigation of the January 1969 Plutonium-238 Waste Transfer Line Break
P020	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste
P021	Separation and Purification of Radioisotopes for Research
P023	Mound Facility Physical Characterization
P027	EG&G Mound Building 38 Accident Analysis of Internal (Operational) Events (Results and Findings)
P028	Mound Building 38 FSAR: Pu-239 Repackaging, Phase 1
P029	Building 50 Radioisotopic Thermoelectric Generator Assembly and Testing Facility Final Safety Analysis Report
P030	SW/R Complex Basis for Interim Operations
P034	Estimated Discard Limits for Plutonium-238 Recovery Processing in the Plutonium Processing Building
P036	Hazard Evaluation of the Special Metallurgical (SM) Building at Mound Laboratory
P037	Building WDA, Room 10 Glovebox Removal Wall Removal, Characterization, and Cleanup
P040	Executive Summary of TRU Waste at Mound
P041	Technical Manual. TRU Waste Management
P044	FSAR Building 38 *******UCNI*******
P045	Waste Disposal Facility Auditable Safety Analysis
P048	Vent TRU Drums in CWPF
P049	TRU Drum Venting Fact Sheet and TRU Drum Venting System Pre-Operational Process Hazards Review
P050	TRU Waste Drum Venting and Purging System
P051	The Use of Urethane Foam in the Decontamination and Decommissioning of Nuclear Facilities
P053	Ten Year Plan for Decontamination and Decommissioning for Mound
P054	Mound Site Radionuclides by Location Issue 1-3
P055	A Summary Review of Mound Laboratories Experience in D&D of Radioactive Facilities
P056	Decontamination and Decommissioning Projects Findings of No Significant Impact
P057	D&D Operations Procedures
P058	Mound Site Waste Management Reports and Site Plans 1977-1980
P061	Siting Criteria Document
P063	Mound Site Waste Management Reports and Site Plans 1972 to 1976
P064	Mound Site Waste Management Reports and Site Plans 1981 to 1989
P065	Mound WIPP Certification Program for Newly Generated Contact Handled (CH) Transuranic Waste
P066	Maps Site Plans
P067	Revised U-233 Re-Pack Project
P070	Mound Laboratory Annual Report CY 1974
P072	Final Safety Analysis Report for the SW/R Tritium Complex
P073	On Site Transportation and Handling of Radioactive and Hazardous Materials
P076	USERS Handbook: Waste Accountability Shipping and Packaging (issue 14 is inactive).
P078	Mound Plant Waste Acceptance Criteria

Source Document Number	Title
P079	Management of Hazardous Waste, Radioactive Mixed Waste, Trash and Recyclable Metals
P081	Approved Site Treatment Plan for Mixed Wastes at the Mound Facility
P086	Mound Laboratory Environmental Plutonium Study
P095	List and directory of chemicals and MSDS sheets
P096	1996 and 1998 Chemical Inventory and 1991 Carcinogen list
P097	An Early History of U.S. Radioisotope Thermoelectric Generators
P098	Verification Reports
P099	WD Soil Removal Project
P100	Mound Quality Control Plan for the Control of Radioactive Waste
P105	Revision of the Off-Site Packaging Criteria for Receipt of Transuranic Waste at the INEL RWMC
P109	US Department of Transportation Exemption for the ATMX Railcar
P111	Site Treatment Plan for the Mixed Wastes at the Mound Facility Miamisburg, Ohio, Background and Plan Volumes
P115	1st 8 Shipments of Uniform Hazardous Waste Manifest
P116	Nuclear Power in Space
P117	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Boxes
P120	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Drums
P121	SRS Waste Acceptance Criteria Manual, 1S, E-Area TRU Pads Transuranic Waste Acceptance Criteria
P122	Acceptable Knowledge Summary for Solidified Acid/Caustic Waste (BN835)
P123	Acceptable Knowledge Document for INL Stored Transuranic Waste – Mound Plant Waste
P124	Absorbing Containerized Liquids
P125	Shipment Preparation for TRU Containers to SWMF
P126	Absorbing Containerized Liquids
P127	Transuranic (TRU) Waste Repackaging in H-Canyon
P128	F Canyon Container Transfer
P129	Standard Waste Box Operations
U001	2990 Information on Shipments to SRS
U002	Trash Categories/Content Codes and Waste Categories
U003	List of Chemicals and Materials in TRU Waste Content Codes
U007	Content Code Assessments for INEL Contact Handled Stored TRU Waste
U015	Memorandum to E.L. Albenesius, Re: Description of Mound and LASL Sold ^{238}Pu Waste Stored at SRP
U018	UGL Action Memo-Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building
U019	Waste Management Instruction-Packaging of Highly Contaminated Soil from PRS 438
U020	2990 Information for Additional Containers

GEN3

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01153
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 15, 2013

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-SDD-HET-A

Please accept the attached Savannah River site Waste Stream Profile Form SR-SDD-HET-A to be placed in records for Waste Stream # SR-SDD-HET-A.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

NTPC RECORDS ORIGINAL
DATE REC'D 5/14/13

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-SDD-HET-A								
(2) Generator site name: Savannah River Site						(3) Generator site EPA ID: SC1890008989		
(4) Technical contact: Beverly Schrock						(5) Technical contact phone number: (575) 234-7444		
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012								
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012								
(8) Did your facility generate this waste?	YES	X	NO					
(9) If no, provide the name and EPA ID of the original generator: NA								
Waste Stream Information								
(10) WIPP ID: SR-SDD-HET-A						(11) Summary Category Group: S5000		
(12) Waste Matrix Code Group: Heterogeneous Debris Waste						(13) Waste Stream Name: Site Deactivation and Decommissioning Debris Waste		
(14) Description from the ATWIR: CH TRU Heterogeneous debris from the D&D of the 211-F Area								
(15) Defense TRU Waste:	YES	X	NO					
(16) Check One:	CH	X	RH					
(17) Number of SWBs: 3 (17a) Number of SLB2: NA					(18) Number of Drums: 10 55-gallon drums		(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers								
(21) List applicable EPA Hazardous Waste Numbers:[1] D004, D005, D006, D007, D008, D009, D010, and D011								
(22) Applicable TRUCON Content Numbers: SR 125 / SR 225								
(23)**Acceptable Knowledge Information**								
(For the following, enter the supporting documentation used [i.e., references and dates])								
Required Program Information								
(23A) Map of site: CCP-AK-SRS-13, Revision 2, February 13, 2013, Figures 1 and 8								
(23B) Facility mission description: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 4.3								
(23C) Description of operations that generate waste: CCP-AK-SRS-13, Revision 2, February 13, 2013, Sections 4.7								
(23D) Waste identification/categorization schemes: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 4.6.3								
(23E) Types and quantities of waste generated: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 4.6.1								
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 4.6.2								
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012								
(25)Required Waste Stream Information								
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 7.1								

(25B) Waste stream volume and time period of generation: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 7.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 7.3			
(25D) Waste Process flow diagrams: CCP-AK-SRS-13, Revision 2, February 13, 2013, Figures 2, 3, 4, 5 and 7			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-13, Revision 2, February 13, 2013, Section 7.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-SDD-HET-A Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology		Defense research and development
X	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27)Supplemental Documentation:			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P089, P140, P141, P146, P147, P148, P149, P150 and P188 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents.			
(27C) Safety Analysis Reports: See D038, D039, D041, and D079 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents			
(27D) Waste packaging logs: NA			
(27E) Test plans/research project reports: NA			
(27F) Site databases: NA			
(27G) Information from site personnel: See C085, C086, C120 and C155 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C073, C111, D046, D069, DR008, M062, and M064 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents			
(27J) Material safety data sheets: See M065 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents			
(27K) Sampling and analysis data from comparable/surrogate Waste: See C073 in the Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A, AK Source Documents			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 3/6/2013

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 3/18/2013

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

BSSchrock	Beverly Schrock	4/5/2013
Signature of Site Project Manager	Printed Name	Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-SDD-HET-A

Lot 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

CCP Headspace Gas UCL_{90} Evaluation Form..... 004

Headspace Gas Summary Data..... 006

RTR/VE Summary of Prohibited Items and AK Confirmation..... 007

Reconciliation with Data Quality Objectives..... 008

CCP Characterization Information Summary Cover Page

Waste Stream # SR-SDD-HET-A Lot #: 1

AK Expert Review: N/A Date: N/A

SPM Review: Richard Kantrowitz Date: 4/1/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Non Destructive Assay (NDA):

CCP-TP-191	Rev. 1	10/20/09	CCP Box Neutron Assay System (BNAS) Operating Procedure

Headspace Gas Sampling and Analysis (HSG):

CCP-TP-093	Rev. 17	11/20/12	CCP Sampling of TRU Waste Containers
CCP-TP-093	Rev. 16	09/07/11	CCP Sampling of TRU Waste Containers
CCP-TP-106	Rev. 8	02/04/13	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-106	Rev. 7	12/29/10	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-175	Rev. 3	08/02/11	CCP Analysis of Gas Samples for VOCs by GC/MS
CCP-TP-175	Rev. 2	12/29/10	CCP Analysis of Gas Samples for VOCs by GC/MS

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 31	11/19/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 29	04/26/11	CCP CH TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document

CISCO2

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-SDD-HET-A

Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
FCA070001	SRLBC0641	SRLBR0033	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005323	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005324	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1220	ECL12034M	N/A
SD00005325	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005455	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		N/A	N/A	N/A
SD00005456	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1220	ECL12034M	N/A
SD00005457	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005458	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005459	SRLBC0664	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005470	SRLBC0621	SRSRTR0566	N/A	N/A	N/A		SRHSG1210	ECL12018M	N/A
SD00005553	SRLBC0641	SRLBR0033	N/A	N/A	N/A		SRHSG1223	ECL12041M	N/A
SD00005554	SRLBC0656	SRLBR0034	N/A	N/A	N/A		SRHSG1214	ECL12022M	N/A

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/1/2013
Date

CIS003

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SDD-HET-A

Waste Stream Headspace Gas Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
Acetone	Log	11	11	2.30	0.66	0.82	1.00	100	4.61		
Benzene	Log	6	11	-0.69	-2.20	0.77	-1.88	10	2.30		
Bromoform	Log	0	11	-3.13	-4.14	0.46	-3.95	10	2.30		
Butanol	Log	11	11	0.96	-0.94	0.93	-0.56	100	4.61		
Carbon Disulfide[2]	Log	2	11	-1.74	-2.54	0.48	-2.34	10	2.30		
Carbon tetrachloride	Log	0	11	-2.66	-3.64	0.43	-3.47	10	2.30		
Chlorobenzene	Log	0	11	-2.35	-3.33	0.42	-3.15	10	2.30		
Chloroform	Log	0	11	-2.30	-3.30	0.44	-3.12	10	2.30		
Chloromethane[2]	Log	0	11	-1.37	-2.40	0.49	-2.19	10	2.30		
Cyclohexane[a]	Log	0	11	-1.97	-2.96	0.44	-2.77	10	2.30		
1,1-Dichloroethane	Log	0	11	-2.08	-3.07	0.43	-2.89	10	2.30		
1,2-Dichloroethane	Log	0	11	-2.12	-3.11	0.42	-2.93	10	2.30		
1,1-Dichloroethylene	Log	0	11	-2.04	-3.03	0.42	-2.86	10	2.30		
cis-1,2-Dichloroethylene[e]	Log	0	11	-2.08	-3.04	0.41	-2.87	10	2.30		
trans-1,2-Dichloroethylene	Log	0	11	-2.08	-3.05	0.42	-2.88	10	2.30		
1,2-Dichloropropane[2]	Log	0	11	-2.21	-3.20	0.43	-3.02	10	2.30		
Ethyl benzene	Log	2	11	0.79	-2.93	1.30	-2.40	10	2.30		
Ethyl ether	SQRT	0	11	0.41	0.25	0.06	0.28	10	3.16		
Methanol	Log	6	11	3.61	0.05	2.02	0.88	100	4.61		
Methyl ethyl ketone	No	5	11	0.47	0.19	0.16	0.26	100	N/A		
Methyl isobutyl ketone	Log	4	11	1.16	-2.42	1.52	-1.79	100	4.61		
Methylene chloride	Log	0	11	-1.86	-2.84	0.43	-2.67	10	2.30		
1,1,2,2-Tetrachloroethane	Log	0	11	-2.66	-3.64	0.43	-3.46	10	2.30		
Tetrachloroethylene	Log	0	11	-2.66	-3.59	0.40	-3.42	10	2.30		
Toluene	Log	8	11	2.64	-0.86	2.02	-0.02	10	2.30		
1,1,1-Trichloroethane	Log	0	11	-2.35	-3.37	0.47	-3.18	10	2.30		
Trichloroethylene	Log	0	11	-2.30	-3.31	0.45	-3.13	10	2.30		
Trichlorofluoromethane[2]	Log	0	11	-2.30	-3.32	0.46	-3.13	10	2.30		

CI5004

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SDD-HET-A

Waste Stream Headspace Gas Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	11	-2.59	-3.62	0.46	-3.43	10	2.30		
1,3,5-Trimethylbenzene[a]	Log	1	11	-2.47	-3.32	0.47	-3.12	10	2.30		
1,2,4-Trimethylbenzene[a]	Log	2	11	-1.51	-3.10	0.68	-2.82	10	2.30		
m,p-Xylene[b]	Log	3	11	1.92	-2.57	1.65	-1.89	10	2.30		
o-Xylene	Log	3	11	0.69	-2.73	1.37	-2.17	10	2.30		
Formaldehyde[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hydrazine[d]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CIS005

[a] These compounds are from CCP-PO-003, CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC) and are flammable VOCs that do not appear in CCP-PO-001. These are not part of the target analyte list, but samples may be analyzed for these compounds.

[b] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

[c] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[d] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) The noted analytes are not included in the target analyte list Table C3-2 of HWFP Attachment C3. The analytes are reported in the analysis Batch Data Report provided by the Idaho lab and included on the UCL_{90} for completeness.

Note:

This UCL_{90} page was generated in compliance with CCP-TP-003. Although the the Facility Permit no longer requires Headspace Gas sampling and analysis, the reporting of the results is required by our procedures.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/1/2013
Date

CCP Headspace Gas Summary Data

Waste Stream Number SR-SDD-HET-A Lot Number (s) 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A
Data Supports EPA Hazardous Waste Numbers Assigned by AK? ☑ Yes ☐ No			
If no, describe the basis for assigning the EPA Hazardous Waste Codes:			

SPM Signature [signature] Date 4/1/2013

CR5006

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-SDD-HET-A Lot(s)#: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not performed on any of the containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR: RTR was selected as the characterization method for the containers because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for waste stream SR-SDD-HET-A.

Site Project Manager Signature | Richard Kantrowitz (Printed Name) | 4/1/2013 (Date)

CIS007

CCP Reconciliation with Data Quality Objectives

WS# SR-SDD-HET-A Lot # 1

Sampling Completeness

RTR/VE:

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: 11 Number of Total Samples Collected: 11
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 11 Number of Total Samples Analyzed: 11
Percent Complete: 100 (QAO is ≥90%)

Total VOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total SVOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total Metals

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

CI5008

CCP Reconciliation with Data Quality Objectives

WS# SR-SDD-HET-A Lot # 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The transuranic (TRU) activity reported in the BDRs for each container demonstrates with a 95 percent probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each **VOC** in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional EPA HWNs were assigned as required. Samples were randomly collected (when appropriate).
7a	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids VOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids SVOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **total metals** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003 Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CIS 009

CCP Reconciliation with Data Quality Objectives

WS# SR-SDD-HET-A Lot # 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	N	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, *Lists of Hazardous Wastes?*
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	Y	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	Y	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness quality assurance objectives (QAOs) were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections C3-2 through C3-9 prior to submittal of a WSPF for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Sampling and Analysis	Y	Y	Y
Solids Sampling	NA	NA	NA
Solids VOCs	NA	NA	NA
Solids SVOCs	NA	NA	NA
Solids Metals	NA	NA	NA

Comments: NONE

Signature of Site Project Manager | Richard Kantrowitz (Printed Name) | 4/1/2013 (Date)

CRS 010

Summation of Aspects of AK Summary Report: Waste Stream SR-SDD-HET-A

Overview

Waste stream SR-SDD-HET-A consists of contact handled (CH) transuranic (TRU) heterogeneous debris waste generated and managed by the Savannah River Site (SRS). This waste stream was generated during site deactivation and decommissioning of the 211-3F Truck Shed and the 800-series underground tank facility in the Building 211-F manufacturing process/product system also referred to as the Building 211-F tank system. The mission of F-Canyon and its supporting facilities (i.e., the Building 211-F tank system) was in direct support of the SRS core mission of producing nuclear materials for national defense and peacetime applications. The 211-3F Truck Shed's primary use has been the receipt/unloading of both high-activity and low-activity radiological laboratory returns from the Savannah River National Laboratory (SRNL), which are sent to 800-series underground tank facility. The 800-series underground tank facility received low-activity and high-activity laboratory returns from the SRNL and from Building 772-F.

Building 211-F provides general support including defense nuclear materials production and nuclear waste and materials by-products management (i.e., recovery and treatment of radioactive liquid) for the F-Area operations, principally the F-Canyon. Therefore, this waste stream is defense related waste.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-SDD-HET-A for heterogeneous debris waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-13, Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Site Deactivation and Decommissioning Waste, Waste Streams: SR-SDD-HOM-A, SR-SDD-HOM-B, SR-SDD-HET-A, Revision 2, February 13, 2013.

Waste Stream Identification Summary

Wastes Stream Name:	Site Deactivation and Decommissioning Debris Waste
Waste Stream Number:	SR-SDD-HET-A
Dates of Waste Generation:	April 2006 to April 2007
Waste Stream Volume – Current:	10 55-gallon drums and 3 standard waste boxes (SWBs)
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S5000
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400, Heterogeneous Debris
TRUPACT-II Content Code (TRUCON):	SR 125/SR 225

Annual Transuranic Waste Inventory
Report Identification Number: SR-SDD-HET-A

Waste Stream Description and Physical Form:

Waste stream SR-SDD-HET-A is comprised primarily of heterogeneous debris waste generated during site deactivation and decommission of the 211-3F Truck Shed and the 800-series underground tank facility in Building 211-F. The waste is comprised of heterogeneous waste, including asbestos gaskets, metal pipe, flanges, valves, portaband saw, stingers (piping with flanges), agitator parts, duct support, drawer component, tools, tool handles, winch, metal container, tarp, grommets, plastic sheeting, plastic liner bag, glove bags, buffer pads, plastic, plastic bucket, tape, pig wipes, wood, paper, rope, and a flashlight. Small quantities of homogeneous solids such as liquids absorbed with clay, Celite (diatomaceous earth), Portland cement (tricalcium silicate, dicalcium silicate, tricalcium aluminate, tetracalcium aluminoferrite, calcium sulfate dehydrate), SP-400 (metal alkyl aryl sulfonate, oxygenated hydrocarbon, petroleum distillate), and sludge are also present.

This waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream consists of heterogeneous debris waste generated during the site deactivation and decommissioning of the 211-3F Truck Shed and the 800-series underground tank facility.

Point of Generation

Location

Waste stream SR-SDD-HET-A was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads.

Area and/or Buildings of Generation

Waste stream SR-SDD-HET-A was generated in the Building 211-F 800-series underground tank facility and outside facilities, including the 211-3F Truck Shed.

Generating Processes

Description of Waste Generation Processes

Building 211-F provides general support, principally to the processing of irradiated fuels and targets in the F-Canyon (Building 221-F). The term "outside facilities" is used to describe a wide variety of processes, utilities, and services that are ancillary to the F-Area operations. The below sections describe the contributing operations, the Building 211-F complex/tank system, and the deactivation and decommission of the Building 211-F tank system conducted during the period of TRU waste generation (References D012, D039, D041).

<u>Building 211-F Facilities</u>

The Building 211-F includes material (e.g., radioactive water) handling facilities. Water handling facilities receive and store water from steam condensates, (i.e., overheads) acid recovery reboilers, General Purpose (GP) evaporator heaters, and collection tanks from the cold feed

preparation area and deionized water from the power house for use as process water. The facilities are used to prepare acidified water for the F-Canyon and to retain contaminated water in hold tanks pending analysis and disposal or re-evaporation if necessary. Two skimmer tanks separate solvent/organics and discharge the skimmed solvent to a hold tank. Skimmers receive feed from various locations including the F-Canyon evaporators and outside facilities (References D012, D039, D041).

Skimmer Tank 501 processes material that is expected to exceed limits set for discharge to seepage basins. Feed for this skimmer is normally received from either the F-Canyon rerun evaporator overheads or the collection tank in the old cold feed preparation area. The aqueous phase flows by gravity to Tank 503, while skimmed solvent flows to Hold Tank 511. The aqueous phase is analyzed for radioactivity. If the radioactivity is above the limits for the seepage basins, it is sent to the GP evaporator for further processing (References D012, D039, D041).

Acid Recovery Unit (ARU)

The ARU is used to concentrate nitric acid overheads for reuse. The dilute acid results from acidic evaporation of various process solutions in the F-canyon. If the gamma activity of the high-activity overheads exceeds processing specification, the condensate is returned from the transfer tank to the F-Canyon for reprocessing. If the condensate is acceptable, the dilute acid is transferred to the preheater, reduced–pressure fractionating column, and cooler to recovered acid tanks. Overheads are condensed and are passed through an overhead cooler to overhead hold tanks. Condenser and other cooling water is provided by the recirculating cooling water system. Part of the overhead condensate is returned to the column as reflux. Concentration of the recovered acid is adjusted to 50 percent by adding concentrated acid or water as required. The adjusted acid is pumped to the Acid Storage Tank for transfer to the F-Canyon as required. Recovered acid that does not meet process specifications may be reprocessed. Overhead dilute acid condensate and steam jet condensate collected in hold tanks are normally used as dilution and stripping water for high-activity material, low-activity material, and the acid stripping evaporators. A large fraction of the overheads is used as dilute acid or dilution water in the makeup of acid solutions and recycled to the process. Excess overheads are transferred to the seepage basins (References D039, D041).

GP Evaporators

GP evaporators concentrate aqueous material with activity in excess of disposal limits yet low enough to be evaporated in unshielded equipment. Two evaporators are provided to accommodate the volume of material in F-Area. The GP evaporators are operated as flash evaporators with forced bottoms circulation. Evaporator bottoms are concentrated and retained for analysis before discharge to the tank farm (References D039, D041).

Feed is received and neutralized in Tanks 701-1F and -2F. Both GP evaporators can be fed from either tank, one of which is filled while the other provides feed. These tanks are filled from GP storage tanks (802, 803, 812, and 813). Adjusted feed at pH > 8 is continuously pumped through preheater 802 into evaporator 703, where it flashes into vapor and bottoms. Bottoms are continuously circulated by the same pump through the superheater and back into the evaporator until the desired specific gravity is reached (References D039, D041).

Overhead condensates are received from Condensers 704 through Reflux Weirs 705. The condensates flow by gravity to Condensate Hold Tanks 706 and 707. The hold tanks are filled

in succession and analyzed when full. Normally, the activity content is low enough to permit discharge to the seepage basins. If it is above permissible discharge limits, it is returned to the GP evaporator feed tank (References D039, D041).

GP Storage and Chemical Makeup Tanks

The tanks in this facility are used to collect GP evaporator feed, for preparing and dispensing two dilute concentrations of nitric acid, and to receive and dispense evaporator overheads for recycle to the process. The storage tanks receive a variety of low-activity aqueous materials from the F-Canyon, FA-line, and Building 211-F complex that do not exceed the specifications for feed to the GP evaporators (References D039, D041).

The Building 211-F tanks are operated in pairs depending on the characteristics of the influent material. Tanks 802 and 803 normally receive materials that can be transferred to the seepage basins. Tanks 812 and 813 normally receive materials that must be transferred to GP evaporator feed Tanks 701-1 and -2. However, the discharge of Tanks 802 and 803 may require evaporation and Tanks 812 and 813 may qualify for discharge to the seepage basins. If the contents of Tanks 806 and 807 are not to be recycled to the process and qualify for the seepage basins then the contents are transferred to Tanks 812 and 813 because Tanks 806 and 807 have no direct path to the seepage basins (References D039, D041).

Truck Shed

The Truck Shed's primary use has been the receipt and unloading of both high-activity and low-activity radiological/chemical laboratory returns from the SRNL, which are sent to the 800-series underground tank facility. Located at the north end of the Building 211-F outside facilities, it houses two tank trailer stalls (one each for high-activity and low-activity laboratory returns); two sumps (one per trailer bay); a steel access platform between the two bays; electrical systems/components; instrumentation; gang valves; and piping to perform unloading, loading, and transfer operations. Beneath the building slab, there are two concrete pipe chases (Reference D039, D041, D042, D072).

800-Series Underground Tank Facility

The 800-Series Underground Tank Facility is a vault that consists of five below ground tanks (Tanks 800, 801, 804, 808, and 809) located in an underground concrete secondary containment cell at Building 211-F. The vault is located on the south side of the 211-3F Truck Shed. There are two sumps, the unloading bay sump and the cell sump, associated with the 800-Series Underground Tank Facility. The vault and its sumps are considered chemically and radiologically contaminated due to the type of material that was processed through them. The 800-series underground tank facility includes five tanks and their primary functions are described below (References D039, D041, D042, D046, D072, M030):

- Tank 800 received low-activity laboratory returns from the SRNL, via tanker truck.
- Tank 801 received low-activity laboratory returns from Building 772-F (Tanks A and B) via underground transfer line. Additionally, Tank 801 received drainage from the 211-3F Truck Shed sumps.
- Tank 804 received high-activity laboratory returns from Building 772-F (Tanks C and D) via underground transfer line.

- Tank 808 received high-activity laboratory returns from the SRNL via tanker truck and spent acid washes from Tank 905 located in Building 221-F.

- Tank 809 received batch transfer of aqueous material from the other 800 series underground tanks. Material was transferred from Tank 809 to Tank 17.2 located in Building 221-F.

Cold or very low-activity materials are transferred to the seepage basins by way of the 800-series tanks. Low-activity materials are sent to the GP evaporators for concentration. High-activity materials are pumped to the laboratory evaporator feed tank in the F-Canyon (References D039, D041, D042, D046, D072, M030).

Segregated Solvent Facilities

Segregated solvent facilities provide purification and storage of solvent before it is returned to the F-Canyon for reuse or sent to the burial ground for disposal. There are two plutonium-uranium extraction solvent feed streams associated with the segregated solvent facilities. One stream is purified entirely in the Building 211-F complex. The other stream is initially purified within the F-Canyon before final purification in the segregated solvent facilities. In the segregated solvent facilities, streams are purified by washing in solutions of sodium carbonate and nitric acid. Degraded solvent is transferred to the rerun station in the F-Canyon for decontamination, load out, and transfer to the underground storage tanks at the burial ground. Washer tanks are supplied with cooling water for temperature control. Solvent overflow lines are connected between the wash and hold tanks (References D039, D041).

Acid washes are removed from tanks by decanting the aqueous phase from the bottom of the tank to the decant sump. Decant sump material is transferred to the GP evaporator feed tanks. Carbonate wash solutions are removed by pumping the aqueous phase from the bottom of the tank through a decanter. Entrained solvent is separated from the aqueous phase and drained from the decanter back to a tank. The carbonate solution is pumped either to the laboratory evaporator feed tank in the F-Canyon or a GP evaporator feed tank (References D039, D041).

Recycle Sump

The Recycle Sump is a shielded, stainless steel lined, underground concrete sump. The sump, received the chemical, solvent, and radioactive drains and overflows from various sources. The sources included the discard water Tank 503, aluminum nitrate Tank 502, skimmed solvent hold Tank 511, ARU and its associated operating tanks, GP evaporator feed tanks, GP evaporators, and GP storage tanks in Building 211-F. A submerged sump pump discharged the Recycle Sump's drains through a filter back to the GP storage tanks. This material was then fed to the GP evaporator for concentration (References D039, D041, D072).

Tanker 3034

Tanker 3034 received aqueous material (approximately 3,500 gallons) from Building 211-F Recycle Sump (References C074, D070).

Deactivation and Decommissioning

The activity that generated this waste was the deactivation and decommission of Building 211-F tank system. A portion of this waste stream was generated during the removal of piping (process pipe line 81-B, which transferred liquid to Tank 808) from the 211-3F truck shed. Waste was also generated from tank sludge and tank equipment (from Tank 804) removal in the 800-series underground tank facility (References M011, D068, M030, M057, M058, P089).

The 211-3F Truck Shed is part of Building 211-F outside facilities. The Truck Shed's primary use has been the receipt/unloading of both high-activity and low-activity radiological/chemical laboratory returns from the SRNL, which are sent to the 800-series underground tank facility. The 800-series underground tank facility is used for storage and transfer of high- and low-activity materials (References D039, D041, D042, D046, D072, M030).

Waste generating operations in the 211-3F Truck shed consisted of the removal of liquid transfer piping. For below grade piping, concrete was removed to provide access to piping. A glove bag was installed to use during removal of piping to be disposed of as TRU waste. The piping was disassembled in the glove bag, and the glove bag containing the piping was removed and sealed with tape. Any residual liquids were absorbed using a multi-purpose absorbent (e.g., clay, diatomaceous earth) and then placed in the drums with TRU waste. Piping that was non-TRU was not disposed of with TRU waste. Sharp edges on piping sections were padded/wrapped/taped to protect personnel and packaging material from damage. A fixative (e.g., A-B-C FiberSpray) was applied to the glove bag installed on piping. The glove bag from 81-B was removed and a radiological survey was performed. Waste was then placed into a liner bag inside of a drum liner and drum (References M057, M065, P089).

For above grade piping, hand tools were used to breach lead pipe encasements and then lead was removed and bagged out as necessary. A fixative was used to prevent contamination. The encasement was removed from the outside of piping. A glove bag was installed to remove 81-B line. The 81-B line was cut into sections in the glove bag, and the glove bag containing the piping was removed and sealed with tape (References M057, P089).

The 800-series underground tank facility is used for storage and transfer of high- and low-activity materials. Heterogeneous waste was generated during the clean out of sludge from Tank 804 and the removal of interference piping stingers, and agitator parts from Tank 804 of the 800-series underground tank facility along with job control waste. Tank 804 received high-activity material from Tanks C and D in Building 772-F. Building 772-F provides analytical support primarily for 200-F and 200-H separations processes. The heterogeneous waste generated includes interference piping, stingers, agitator parts, tools, other job control waste, absorbent, and sludge. Piping, stingers, agitator parts, and associated flanges were removed from the tank. Interference piping was packaged in wrap-around plastic. Stingers and flanges were cut into sections in glove bags. Five stingers with larger flanges were packaged separately in wrap-around plastic while the rest of the pieces were left in glove bags. Four of the stingers were packaged completely within their respective glove bag. The glove bags were size reduced/collapsed and taped. Tools used to remove sludge from Tank 804 were sprayed with a fixative to control the spread of contamination and wiped with wet wipes as they were removed from the tank. Sleeving was installed and tools were size reduced over the tank opening. Size-reduced tools were double bagged and secured with tape. Following assay, the waste packages were then placed into SWBs (References D068, D085, M057, P140).

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic constituents identified in this waste stream.

Waste Stream SR-SDD-HET-A Toxicity Characteristic Constituents

Chemical	EPA HWNs	Use/Source	References
Arsenic	D004	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Barium	D005	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Cadmium	D006	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Chromium	D007	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Lead	D008	Piping encased with lead and contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Mercury	D009	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Selenium.	D010	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064
Silver	D011	Contaminant detected in sludge samples	C073, C114, D046, D018, DR001, M011, M057, M058, M062, M064

RCRA Determinations

Historical Waste Management

The subject waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control (SCDHEC). Based on historical waste management practices, the SRS managed some of the containers in this waste stream as non-hazardous and some of the containers as hazardous for barium (D005), cadmium (D006), chromium (D007), lead (D008), mercury (D009), selenium (D010), and silver (D011). A review of available AK has determined that the waste in this waste stream is hazardous. SRS has inconsistently assigned hazardous waste numbers (HWNs) in other waste streams from Building 211-F. SRS has inconsistently assigned HWNs in other waste streams (e.g., SR-SDD-HOM-A, SR-SDD-HOM-B) for toxicity characteristic metals identified as present but below the RCRA regulatory limits. HWNs will be assigned for all toxicity characteristic metals identified as present and applied to all containers within this waste stream. In addition, HWN D004 was also assigned for the presence of arsenic detected in 800-series underground tank facility sludge samples (References C073, C114, D018, D046, DR001, M011, M057, M058, M062, M064, M065).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

Waste stream SR-SDD-HET-A does not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. The material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change.

The materials are not a compressed gas, nor does the waste contain compressed gases. The SRS Waste Acceptance Criteria (WAC) and procedures prohibited the inclusion of compressed gases in TRU waste to be shipped to E-Area TRU Pads. Container paperwork did not identify compressed gases in any container in waste stream SR-SDD-HET-A (References D063, D064, M057, P136).

Oxidizers, if present, would not be present in their pure form and would only be present as trace contaminants. Ignitable liquids were used in the facilities that discharged material to the 800-series underground tank facility and some examples include acetone, methyl alcohol, toluene, and xylene. According to procedure, absorbent was added to internal packaging and drums during sludge removal. The SRS WAC required TRU-contaminated liquid waste be absorbed and solidified prior to transfer to E-Area TRU Pads. Real-time radiography (RTR) and/or visual examination (VE) will be performed to ensure that the waste contains no ignitable waste. The materials in this waste stream are, therefore, not ignitable D001 wastes (References C022, D063, D064, M057, M058, P089, P136, P140).

Corrosivity

Waste stream SR-SDD-HET-A is not a liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity as defined in 40 CFR 261.22.

Corrosive liquids were used in the facilities that discharged material to the 800-series underground tank facility tanks. Some examples include nitric acid and hydrofluoric acid, however, liquids are not present in the waste. According to procedure absorbent was added to internal packaging. The SRS WAC required TRU-contaminated liquid waste be absorbed and solidified prior to transfer to E-Area TRU Pads. RTR and/or VE are performed to ensure that the waste contains no corrosive waste. The materials in this waste stream are, therefore, not corrosive D002 wastes (References C005, C022, D063, D064, D067, D068, M057, M058, P089, P136, P140).

Reactivity

Waste stream SR-SDD-HET-A does not meet the definition of reactivity as defined in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The materials do not contain reactive cyanides or sulfides and are not capable of detonation or explosive reaction.

Based on analysis, the sludge from Tank 804 contained almost 10 percent organics, primarily tributylphosphate and normal paraffinic hydrocarbons (tridecane, tetradecane, pentadecane, and hexadecane). These compounds are not reactive (References D073, M011, M057). In addition, SRS procedures prohibit the packaging of reactive materials in TRU waste (References D063, M057, P136). The debris materials contaminated with sludge in this waste stream are therefore not reactive D003 wastes.

The containers in the waste stream will be evaluated in accordance with the WIPP-WAP using RTR and/or VE prior to shipment to ensure the waste is not ignitable, corrosive, or reactive.

Toxicity Characteristic

Based on a review of AK relative to materials used during site deactivation and decommissioning and present in sludge from the 211-3F Truck Shed (i.e., Tank 808) and the 800-series underground tank facility (i.e., Tank 804), waste stream SR-SDD-HET-A is contaminated with toxicity characteristic metal compounds as defined in 40 CFR 261.24.

The 29-90s for waste stream SR-SDD-HET-A containers from the 800-series underground tank facility list barium, cadmium, chromium, lead, mercury, selenium, and silver as being present in the waste stream. SRS based their determination on the presence of sludge material that coated the debris waste. This is supported by analytical data from sampling of Tank 804 sludge that identified barium, cadmium, chromium, lead, mercury, selenium, and silver above the RCRA regulatory levels. The analytical data also identified the presence of arsenic below the RCRA regulatory level. The 29-90 for the container that includes Tank 804 agitator parts and job control waste does not identify toxicity characteristic metal compounds. SRS determined that the Tank 804 agitator parts present in this waste stream were not hazardous because they met the "clean debris surface" treatment standard specified in 40 CFR 268.45. In addition, SRS determined that toxicity characteristic metals in job control waste contaminated with sludge would not exceed RCRA regulatory limits based on Tank 804 sludge sampling results and the amount of sludge contaminating the waste. The 29-90s for containers generated in the 211-3F do not identify toxicity characteristic metal compounds. These containers consists of waste generated during the removal of Transfer Line 81-B, which transferred high-activity material to Tank 808 and was coated with sludge. SRS based their non-hazardous characterization of this waste on sludge samples from Tank 808. Although results were not above the regulatory limits, sampling results did indicate the presence of silver, barium, cadmium, chromium, lead, mercury, and selenium, as well as arsenic. SRS has inconsistently assigned HWNs for toxicity characteristic metals identified as present but below the RCRA regulatory limit in other waste streams from Building 211-F (e.g., SR-SDD-HOM-B, SR-SDD-HOM-A). In addition, some of the 81-B piping was encased in lead. Although, 29-90s do not indicate the presence of lead in the Building 211-3F-generated waste, it is possible some of the waste is contaminated with lead. Therefore, the HWNs for all toxicity characteristic metals identified in the sludge analytical results and AK will be assigned to the waste stream. Therefore, D004 (arsenic), D005 (barium), D006 (cadmium), D007 (chromium), D008 (lead), D009 (mercury), D010 (selenium), and D011 (silver) are assigned to waste stream SR-SDD-HET-A (References C073, C114, D018, D046, DR001, M011, M057, M058, M062, M064).

Based on a review of AK relative to materials used during site deactivation and decommissioning and present in sludge from the 211-3F Truck Shed (i.e., Tank 808) and the 800-series underground tank facility (i.e., Tank 804), waste stream SR-SDD-HET-A is not contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24.

Toxicity characteristic organic compounds were not detected in sludge samples, were not assigned historically, and are not expected to be present above regulatory levels (References DR001, M011, M057, M058, M065).

Listed Waste

F-Listed Waste

Based on a review of AK relative to materials used during site deactivation and decommissioning, waste stream SR-SDD-HET-A does not contain or is not mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR 261.31.

SRS has provided clarification that the Building 211-F tank system is not a waste system. SRS has determined, with acceptance from the Environmental Protection Agency (EPA) and SCDHEC, that the Building 211-F tank system is a manufacturing process/product system. According to SRS, the waste generator, any materials including chemicals discharged to the drain and subsequently sent to the Building 211-F tank system would not be considered "discarded." F-listed constituents were not identified in Tanks 804 and 808 sludge samples (References D018, M011). In addition, F-listed solvents were not used or disposed of during the site deactivation and decommissioning of the 211-3F Truck Shed and the 800-series underground tank facility. The chemicals/materials used during site deactivation and decommissioning (e.g., clay, diatomaceous earth, A-B-C FiberSpray) did not contain F-listed solvents. Finally, an evaluation performed by SRS determined that F-listed solvents are stored in approved hazardous waste storage facilities and are not sent to the Building 211-F tank system. Therefore, F-listed HWNs are not assigned to waste steam SR-SDD-HET-A (References C155, C156, C157, D069, D073, DR001, M011, M046, M057, M058, M065).

K-Listed Waste

Based on a review of AK relative to materials used during site deactivation and decommissioning, waste stream SR-SDD-HET-A does not contain hazardous waste from the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste (Reference DR001).

P- and U-Listed Waste

Based on a review of AK relative to materials used during site deactivation and decommissioning, waste stream SR-SDD-HET-A does not contain or is not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33.

Liquids from various facilities feed into the Building 211-F tank system including Building 772-F, also referred to as the F/H Laboratory or the Central Laboratory Facility. Information exists that unused commercial chemical products from Building 772-F were discharged down the drain system that may have fed into the 800-series underground tank facility, which is part of the Building 211-F tank system (References C085, C086, D073). However, material is discharged down the drain system because it is assumed to contain special nuclear material. SRS has provided clarification that the Building 211-F tank system is not a waste system. SRS has determined, with acceptance from the EPA and SCDHEC, that the Building 211-F tank system is a manufacturing process/product system. According to SRS, the waste generator, any materials including chemicals discharged to the drain and subsequently sent to the Building 211-F tank system would not be considered "discarded." Materials sent to Building 211-F tank

system contain special nuclear material in concentrations that require removal and recovery. In the unlikely event that an unused chemical did not contain special nuclear material, SRS maintains that once it crosses into the Building 211-F tank system boundary (i.e., the manufacturing process/product system boundary) it becomes part of the raw materials used for processing; hence, it has been used and would not carry a listed P- or U-listed HWN (References C087, C155, C156, C157, DR001, M046, M057, M058).

Commercial chemical products (e.g., hydrofluoric acid, U134-waste) were not used or disposed of during the removal of tank sludge from Tank 804, the Recycle Sump, and Tanker 3034. The chemicals/materials used during site deactivation and decommissioning (e.g., clay, diatomaceous earth, A-B-C FiberSpray) were used for their intended purpose. Beryllium was used in facilities that sent material to the Building 211-F tank system and trace quantities (ppm levels) were identified in the analytical data. However, unused beryllium powder (P015-waste) was not identified as being used during site deactivation and decommissioning. Therefore, P- and U-listed HWNs are not assigned to waste stream SR-SDD-HET-A (References C155, C156, C157, DR001, M011, M046, M057, M058, M065).

Polychlorinated Biphenyls

Waste stream SR-SDD-HET-A consists predominantly of debris waste that may include small amounts of sludge. This debris waste is associated with the removal of piping and equipment removed from the 211-3F Truck Shed and Tank 804. No PCB containing equipment was packaged with or present during the packaging of the waste. Container paperwork did not indicate the presence of PCBs. Although SRS has managed waste containers generated in the Recycle Sump (SR-SDD-HOM-B), which is a part of the same interconnected system as Tank 804 and the 211-3F Truck Shed, it was determined by SRS through a review of available data, that PCBs would not be present above regulatory limits in the containers in this waste stream. Therefore, this waste stream is not regulated as a Toxic Substances Control Act waste under 40 CFR 761 (References C116, C117, C120, D086, M057, M058, D068, P089).

Prohibited Items

Prohibited items are not expected to be present in this waste stream. Procedures did not allow containers greater than 4 liters (sealed with tape) to be used for waste packaging. Procedures also did not allow liquids in excess of TSDF-WAC limits. All liquids present in the waste would have been absorbed. Procedures did not allow unpunctured aerosol cans, compressed gas cylinders, or explosives to be packaged in the waste. However, this debris waste stream includes small quantities of sludge and solidified liquid waste and the presence of liquids due to dewatering is possible (References C112, D063, D064, D068, M057, M058, P089, P136).

Certified RTR and/or VE are performed by CCP to ensure liquids do not exceed TSDF-WAC limits and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of TSDF-WAC limits or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P146, P147, P148, P149).

Method for Determining Waste Material Parameter Weights per Unit of Waste

The waste material parameter weight estimates for waste stream SR-SDD-HET-A were derived primarily from information provided by SRS personnel. Included in the container-specific data provided by SRS were weight percentages for waste material categories, including waste components (References M057, M058).

Container data provided by SRS indicated that the containers in waste stream SR-SDD-HET-A included iron-based metals/alloys, aluminum-based metals/alloys, other inorganic material, cellulosics, plastics, plastic packaging, inorganic matrix, absorbed liquids, and steel packaging. To estimate the weight percent of the inorganic matrix waste material category, the weight percent provided on container paperwork for absorbed liquids and inorganic matrix were combined. Average, minimum, and maximum waste material parameter weight percentages were calculated and the results of this analysis are presented in the Waste Stream SR-SDD-HET-A Waste Material Parameters table (References M057, M058).

Waste Stream SR-SDD-HET-A Waste Material Parameters

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-Based Metals/Alloys	65.57%	52.34 – 82.62%
Aluminum-based Metals/Alloys	0.64%	0.0 – 7.31%
Other Metals	0.05%	0.0 – 0.26%
Other Inorganic Materials	0.62%	0.0 – 1.21%
Cellulosics	2.90%	0.0 – 12.94%
Plastics (waste materials)	28.85%	12.85 – 44.7%
Rubber	0.0%	0.0 – 0.0%
Organic Matrix	0.0%	0.0 – 0.0%
Inorganic Matrix	1.37%	0.0 – 12.28%
Soils/Gravel	0.0%	0.0 – 0.0%

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

To determine isotopic ratios for waste stream SR-SDD-HET-A as a whole, the total gram value for each individual radionuclide reported during CCP NDA was divided by the total mass of all

radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." The individual radionuclide gram values were converted to activity, and the same process was applied to determine "Total Radionuclide Ci%" and "Total Radionuclide Ci% Range." To determine the "Total Radionuclide Wt% Range" for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. A similar method was used to determine the "Total Radionuclide Ci% Range." As shown in the Waste Stream SR-SDD-HET-A Radiological Characterization table, Pu-239 and Pu-240 are the two most predominant radionuclides by mass. The most predominant radionuclides by activity are Pu-238 and Pu-241 (Reference DR008).

SRS used In Situ Object Counting System (ISOCS) data in combination with scaling methods (e.g., using Pu-238, Am-241) and sampling/analysis to generate historical radiological data (References C111, D018, M011, M057, M058). Other radionuclides that were reported in historical assay results but not detected in CCP NDA, or that are potentially present in small quantities based on AK documentation, are shown at the bottom the table (References D018, M011, M057, M058).

Waste Stream SR-SDD-HET-A Radiological Characterization

Isotope	Total Radionuclide Wt%[1,3]	Total Radionuclide Wt% Range	Total Radionuclide Ci%[2,3]	Total Radionuclide Ci% Range	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.15%	0 – 1.09%	0.78%	0 – 0.96%	Yes
Pu-238	2.63%	0.01 – 67.08%	70.11%	1.22 – 98.52%	Yes
Pu-239	**83.44%**	0 – 92.48%	8.08%	0.00 – 32.92%	Yes
Pu-240	**9.69%**	0 – 11.97%	3.43%	0.00 – 7.65%	Yes
Pu-242	0.97%	0.05 – 1.51%	0.01%	0 – 0.01%	Yes
U-233	Not Reported	Not Reported	Not Reported	Not Reported	Yes
U-234	0.17%	0 – 81.79%	Trace	0 – 0.14%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Cs-137	Trace	0 – 0.44%	0.17%	0.01 – 10.42%	Yes
Sr-90	Trace	0 – 0.28%	0.17%	0.01 – 10.40%	Yes
Additional Radionuclides					
Co-60	Trace	0 – Trace	Trace	0 – 0.1%	Yes
Eu-154	Trace	0 – Trace	Trace	0 – 0.13%	Yes
Np-237	2.84%	0 – 3.53%	Trace	0 – 0.1%	Yes
Pu-241	0.11%	0 - 0.11%	17.25%	0 – 58.06%	Yes
Radionuclides Not Quantified but Potentially Present					
Am-242m	Am-243	Ba-137m	C-14	Cf-249	Cf-251
Cm-242	Cm-243	Cm-244	Cm-245	Cm-247	H-3
I-129	Tc-99	U-235	U-236	Ni-59	Ni-63
Pa-233	Sb-125	Sb-126	Th-232		

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
3. "Trace" indicates <0.01 weight percent for that radionuclide.

Payload management will not be utilized for this waste stream.

AK Source Documents

Source Document Tracking Number	Title
C001	Email to Jeff Lunsford re: 800 Underground Tanks
C003	Email to Anotnio Nasol re: SVOCs
C004	Email to Gilmore Lunsford re: OSR 29-90s for TRU Waste (Tank 501, 812) SDD
C005	Email to Antonio Nasol re: Use of Cellulose-Bearing Materials in the 804 Cleaning Process
C007	Email to Michele Bullington re: RTR of 800-Underground Tank Mock-up Drum
C008	Email to Joseph D'Amelio re: 800 UG Deactivation Justification (U)
C022	Memo to Project Files re: Tank 804 Deactivation Project Absorbent Specifications and Utilization Rates
C040	Email to Distribution re: GC/MS Analytical Results - SVOA - WSM (SDD) 06333
C042	Email to Distribution re: GC/MS Analytical Results - SVOA - WSM (SDD) 06289
C054	Memo to A. K. Ferrari re: 211-F Outside Facilities General Purpose Waste Tank 802 Material Packaging Corrosion Evaluation
C073	Letter from L.M. Chandler to G. J. Zachman and R.A. Eubanks re: Tanks 804, 808, and 809 Radiochemistry and Organic Data Compilation and Independent Technical Review
C074	Letter from D. R. Ludwick to T. L. Williams re: Special Discard Request for Disposal of Trailer 3034 Recycle Sump Solution MBA FCA
C075	Letter from M. B. Hughes to R.W. Wingard re: Savannah River Site (SRS) Resource Conservation and Recovery Act (RCRA) F-Area Canyon Sump Water Trailer Temporary Authorization (TA) Final Report
C077	Memorandum from Clyde D. Smith to Pam Allen re: Canyon Waste Streams FC06RSM RCRA - Hazardous Characterization
C085	Interview with CLAB Chemistry Technicians Betty Baxley, Marcia Wicker, Mark Randall, Caeser Finch, and Jim Marsh
C086	Record of Communication for Interview with Harold Hodgens
C087	E-mail from William Maloney to Gilmore Lunsford re: Listed
C097	E-mail from Marie Frazer to Jason Montoya re: RCRA Code Assignments for SR-SDD-HOM-C
C110	E-mail to Jeff Lunsford from Antonio Nasol re: CCP-AK-SRS-13 SR-SDD-HOM-B
C111	Memo to Gary Chandler from Aparajita S. Morrison re: ISOCS Measurement of F Area 800 underground Tank/Cell Miscellaneous Tools and Object
C112	E-mail from Wally Walliser to Jeff Lunsford re: FDD 10058
C114	Memo from Clyde Smith to Pam Allen re: 804 Tank Cell JCW RCRA Evaluation
C116	E-mail from Nancy Lowry to Gilmore Lunsford re: SRS-13 PCBs
C117	E-mail from Nancy Lowry to Jeff Lunsford re: Agitator and Piping 804 Cell
C120	Memo from N.J. Lowry to F.L. Fox and G.F. Lunsford re: Review of Waste Characterization re: CCP-AK-SRS-13 PCB Assignment
C124	E-mail from Gilmore Lunsford to Jason P. Montoya re: Review of Characterization for 211-F Waste Handling Facility TRU Wastes

Source Document Tracking Number	Title
C155	Interview with Ross Fanning re: The Building 211-F Tank System
C156	F Canyon Permit Boundaries and the Use of Listed Waste Codes
C157	Evaluation of Building 211-F Tank System and the Assignment of Listed Hazardous Waste Codes
D001	Categorization of Solids in the 800 Underground Tanks
D012	Safety Analysis Report, Savannah River Site, F-Canyon, FA-Line and Outside Facilities
D018	211-F General TRU Waste Streams
D037	Supplemental Alternatives for Long-Term Management of Defense Transuranic Waste at the Savannah River Plant, Aiken, South Carolina (and Supplemental Alternatives)
D038	F-Canyon Complex Facilities; Technical Safety Requirements Savannah River Site
D039	Safety Analysis - 200 Area Savannah River Plant F-Area Outside Facility Operations Supplement 10
D041	Systems Analysis - 200 Area Savannah River Plant -F-Area Outside Facility Operations
D042	Characterization Plan for Building 211-3F Waste Unloading Truck Shed
D046	800 Underground Tanks
D062	Absorbent Needed for the 211-F Tanks Sludge
D063	SRS Waste Acceptance Criteria Manual
D064	F-Area Closure Low Level, TRU, and Mixed Radioactive Waste Certification Plan
D065	Request for Deviation to SRS Waste Acceptance Criteria Manual
D067	Request for Deviation to SRS Waste Acceptance Criteria Manual for 804 Underground Tank
D068	Site D&D Work Package for 804 Cell: Remove Sludge from 804 Tank
D069	Mobilization, Poisoning, and Filtration of F-Canyon Tank 804 Sludge
D070	Nuclear Criticality Safety Assessment: Handling and Storage of TRU Waste Tanker 3034
D072	Characterization Plan for Building 211-F Outside Facilities
D073	Letter from S.R. Wright, Acting Director of DOE-SROO Environmental Division, to Mr. B.W. Truesdale, Director of South Carolina Department of Health and Environmental Control Division of Facility Engineering, and supporting documentation
D074	Safety Analysis - 200 Area, Savannah River Plant, New Production Control Facilities, Building 772-1F
D076	Central Laboratory Facility - Buildings 772-F, 772-1F, and 772-4F, Safety Analysis Report
D079	SRTC Technical Area Safety Analysis Report
D080	Citation Determination and Evaluation of Waste Incidental to Reprocessing
D085	Site D&D Work Package: Remove Agitator from 804 Underground Cell

Source Document Tracking Number	Title
D086	Project 804 Cell Entry and Exit
D093	Waste Incidental to Reprocessing Citation Determination
DR001	Discrepancy Resolution: Assignment of Hazardous Waste Numbers for Waste Streams SR-SDD-HOM-A, SR-SDD-HOM-B, SR-SDD-HET-A
DR008	Discrepancy Resolution: Isotopic Distribution for SR-SDD-HET-A
M011	Emails and Calculations: 804 Underground Tank Cleanup; Disposal of filters used to Clean up 804 Underground Tank Located in F-Area
M029	Request for Deviation to SRS Waste Acceptance Criteria Manual
M030	804 Tank Sludge Removal Project: Sludge Removal And Waste Handling
M031	Calculation Cover Sheet: Tanker 3034 Sludge TRU Waste Characterization Calculation
M032	VSDS Standard Map RSLS
M033	Request for Deviation to SRS Waste Acceptance Criteria Manual for Recycle Sump Sludge Waste
M034	Calculation Cover Sheet and Supporting Documentation for Recycle Sump Sludge Waste Loaded into Standard Waste Boxes
M037	Container Paperwork for waste stream SR-SDD-HOM-A
M038	Container Paperwork for waste stream SR-SDD-HOM-B
M039	Go West Query for Waste Stream SR-SDD-HOM-A
M040	Go West Query for Waste Stream SR-SDD-HOM-B
M046	Waste Water Process Diagram Canyon Evaporators to ETP Outfall
M047	Tanker Task 3: Remove front section of Trailer 3034 to assist in waste removal
M048	Tanker Task 4: Subcontractors to remove mixed hazardous waste from Tanker 3034
M049	Results of PCB Analysis on Tanker 3034 Sludge
M055	Pictures of Tank 804 Waste Package
M057	Container Paperwork for SR-SDD-HET-A
M058	Go West Query for Waste Stream SR-SDD-HET-A
M059	Interference Removal Chart
M062	Radiological Distribution for 804 Underground Tank and Cell Waste Stream
M064	804 Tank Cell JCW Waste Characterization
M065	Material Safety Data Sheets
P012	211-F: Remove Sludge from Tank 501, 802, 812, & 813
P089	Work Instructions: 211-3F Removal of TRU Waste Line and Interferences; TRU Line Removal in 211-3F Truck Bay Sump
P136	Transuranic Waste Handling
P140	804 Tank TRU Waste Handling
P141	Portable Gamma Detector Assaying with Turntable
P146	Absorbing Containerized Liquids

Source Document Tracking Number	Title
P147	TRU Drum Repackaging
P148	Absorbing Containerized Liquids
P149	Transuranic (TRU) Waste Repackaging in H-Canyon
P150	F Canyon Container Transfer (U)
P188	Packaging Sealed Containers With Liquid Waste (U)

Attachment 2 – CCP Waste Stream Profile Form (Example)

(1) Waste Stream Profile Number: SR-RH-SDD.01						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC18900008989	
(4) Technical contact: Laura Nelson					(5) Technical contact phone number: 303-843-2269	
(6) Date of audit report approval by New Mexico Environment Department (NMED):						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001 *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Revision 21, May 31, 2013 CCP-PO-002 *CCP Transuranic Waste Certification Plan,* Revision 27, May 31, 2013 CCP-PO-004, *CCP/SRS Interface Document,* Revision 33, June 19, 2013 CCP-AK-SRS-630, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste Waste Stream SR-RH-SDD.01*, Revision 0, July 11, 2013						
(8) Did your facility generate this waste? YES	**X**	NO				
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-RH-235F.01					(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: S5400					(13) Waste Stream Name: SR-RH-235F.01	
(14) Description from the ATWIR: This waste stream is comprised exclusively of three plutonium-beryllium neutron sources.						
(15) Defense TRU Waste: YES	X	NO				
(16) Check One: CH		RH	X			
(17) Number of SWBs NA (17a) Number of SLB2 NA		(18) Number of Drums NA			(19) Number of Canisters 1^3	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: None						
(22) Applicable TRUCON Content Numbers: SR320						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-630 Revision 0 July 11, 2013 Figures 1 and 2						
(23B) Facility mission description: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.7 and 5.3						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.6.3						
(23E) Types and quantities of waste generated: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.6.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.6.2						
(24) Waste certification procedures: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.8						

(25) **Required Waste Stream Information**			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 5.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 5.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 4.7			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-630 Revision 0 July 11, 2013 Section 5.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste See Table entitled "Waste Stream SR-RH-SDD.01 Waste Material Parameters" of the Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) **Supplemental Documentation**:			
(27A) Process design documents: See P001 in Summation of Aspects of AK Summary Waste Stream SR-RH-SDD.01 AK Source Documents			
(27B) Standard operating procedures: See P002 and P003 in Summation of Aspects of AK Summary Waste Stream SR-RH-SDD.01 AK Source Documents			
(27C) Safety Analysis Reports: NA			
(27D) Waste packaging logs: See U001 and U002 in Summation of Aspects of AK Summary Waste Stream SR-RH-SDD.01 AK Source Documents			
(27E) Test plans/research project reports: See P001 in Summation of Aspects of AK Summary Waste Stream SR-RH-SDD.01 AK Source Documents			
(27F) Site databases: See U003 in Summation of Aspects of AK Summary Report Waste Stream SR-RH-SDD.01 AK Source Documents			
(27G) Information from site personnel: See C001 and C002 in Summation of Aspects of AK Summary Report Waste Stream SR-Rh-SDD.01 AK Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C001 and U003 in Summation of Aspects of AK Summary Report Waste Stream SR-RH-SDD.01 AK Source Documents			
(27J) Material safety data sheets: NA			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
Attachment 2 – CCP Waste Stream Profile Form (Continued)			
(28)	Radiography: NA		
	Visual Examination: CCP-TP-163 *CCP Evaluation of Waste Packaging Records for Visual Examination of Records* Revision 4 June 18, 2013 CCP-TP-500 *CCP Remote-Handled Waste Visual Examination* Revision 11 April 21, 2011		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.
Reviewed by AK Expert: YES ☐ Date:_____ **Reviewed by STR (if necessary):** YES ☐ N/A ☐ Date:_____
Waste Stream Profile Form Certification:
I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.
Signature of Site Project Manager _____ Printed Name _____ Date _____

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-SDD.01 Lot # 1

Sampling Completeness

VE

Number of Valid Samples: 3 Number of Total Samples Analyzed: 3
Percent Complete: NA (QAO is 100%)

RTR

Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: 100 (QAO is 100%)

NDA

Number of valid samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is 100%)

	Y/N/NA	Reconcilliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
7	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
8	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
9		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	NA	NA	NA
VE	Y	Y	Y

Comments: N/A

Signature of Site Project Manager | Laura Nelson (Printed Name) | Date

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-SDD.01 Lot # 1

Waste Container ID: SR518667G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal hardware

AM:

OM:

OI: Absorbent

C:

R: Rubber gloves

XPM: Plastic sheeting, plastic bags, air hose and fittings, plastic suits, plastic glove ports

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.4
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.3

Waste Container ID: SR518667G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667E
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 58.0 kg Tare Wt.: 27.7 kg Net Wt.: 30.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

Waste Container ID: SR518667E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal can, metal hardware, scrap metal, metal lid

AM:

OM:

OI: Absorbent

C: Tape

R: Rubber gloves, rubber gasket material

XPM: Plastic bags, plastic sheeting, air hose and fittings, plastic suits, plastic glove ports, pieces of plastic

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.8
Cellulosics (C):	0.4
Rubber (R):	1.5
Plastics (waste materials) (XPM):	25.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	30.3

32

Waste Container ID: SR518667E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0356	
Examination Date:	8/21/2013	
Waste Container ID:	SR668976A	
Video/Audio Recorded Media Number:	SR4RTR0356	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 39.0 kg Tare Wt.: 27.7 kg Net Wt.: 11.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

34

Waste Container ID: SR668976A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Electrical device
AM:	
OM:	
OI:	Absorbent, glassware
C:	
R:	
XPM:	Air hose, plastic flex duct, plastic bags, electrical cord, plastic containers, plastic tubing, plastic labware, pieces of plastic
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.6
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	8.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	11.3

35

Waste Container ID: SR668976A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	WMPSLB054F
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 53.0 kg Tare Wt.: 27.7 kg Net Wt.: 25.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	60 %

37

Waste Container ID: WMPSLB054F

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal pipes - open, metal valve

AM:

OM:

OI: Absorbent

C: Coveralls

R: Rubber gloves

XPM: Air hose and fittings, plastic sheeting, plastic containers, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	15.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	1.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.3

38

Waste Container ID: WMPSLB054F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature	Date

39

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	SR668976C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

40

Waste Container ID: SR668976C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal tubing, metal cans, electrical device
AM:	
OM:	
OI:	Glassware, absorbent
C:	
R:	
XPM:	Plastic bags, air hose, plastic sheeting, plastic containers, plastic tubing, electrical cord, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	11.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

41

Waste Container ID: SR668976C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature	Date

42

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1G
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 88.0 kg Tare Wt.: 27.7 kg Net Wt.: 60.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

43

Waste Container ID: PAD12TMP1G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic bag, plastic sheeting

OR: ~~Sludge~~ JMS 8/29/13

IN: Solidified material JMS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~43.6~~ JMS 8/29/13
Inorganic Matrix (IN):	43.8 JMS 8/29/13
Soils (S):	
Total WMP Weight:	60.3

44

Waste Container ID: PAD12TMP1G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

45

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 108.0 kg Tare Wt.: 27.7 kg Net Wt.: 80.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

46

Waste Container ID: PAD12TMP1C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ GMB 8/29/13

IN: Solidified material GMB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~63.8~~ GMB 8/29/13
Inorganic Matrix (IN):	63.8 GMB 8/29/13
Soils (S):	
Total WMP Weight:	80.3

47

Waste Container ID: PAD12TMP1C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

48

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1D
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 123.0 kg Tare Wt.: 27.7 kg Net Wt.: 95.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Waste Container ID: PAD12TMP1D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal drum - vented
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic sheeting
OR:	~~Sludge~~ JMB 8/29/13
IN:	Solidified material JMB 8/29/13
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~78.8~~ JMB 8/29/13
Inorganic Matrix (IN):	78.8 JMB 8/29/13
Soils (S):	
Total WMP Weight:	95.3

50

Waste Container ID: PAD12TMP1D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JAB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. 8/29/13 JAB 8/29/13 JAB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

51

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1F
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 126.0 kg Tare Wt.: 27.7 kg Net Wt.: 98.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

52

Waste Container ID: PAD12TMP1F

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal drum - vented
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic sheeting
OR:	~~Sludge~~ GNS 8/29/13
IN:	Solidified material GNS 8/29/13
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~81.8~~ GNS 8/29/13
Inorganic Matrix (IN):	81.8 GNS 8/29/13
Soils (S):	
Total WMP Weight:	98.3

53

Waste Container ID: PAD12TMP1F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

54

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1H
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 101.0 kg Tare Wt.: 27.7 kg Net Wt.: 73.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

55

Waste Container ID: PAD12TMP1H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ 8/29/13

IN: Solidified material 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~56.8~~ 8/29/13
Inorganic Matrix (IN):	56.8 8/29/13
Soils (S):	
Total WMP Weight:	73.3

56

Waste Container ID: PAD12TMP1H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

57

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1B
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 95.0 kg Tare Wt.: 27.7 kg Net Wt.: 67.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

58

Waste Container ID: PAD12TMP1B

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ GMS 8/29/13

IN: Solidified material GMS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~50.8~~ GMS 8/29/13
Inorganic Matrix (IN):	50.8 GMS 8/29/13
Soils (S):	
Total WMP Weight:	67.3

59

Waste Container ID: PAD12TMP1B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMS 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMS 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

60

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1E
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 128.0 kg Tare Wt.: 27.7 kg Net Wt.: 100.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

61

Waste Container ID: PAD12TMP1E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ JMB 8/29/13

IN: Solidified material JMB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~83.8~~ JMB 8/29/13
Inorganic Matrix (IN):	83.8 JMB 8/29/13
Soils (S):	
Total WMP Weight:	100.3

62

Waste Container ID: PAD12TMP1E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.

JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

63

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0617-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0356
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR518667H Th 11·4·13
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev. 13 section 4.4.2 [H.2] states **IF** the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code,**THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:
This drum contains greater than 20% inorganic waste.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:
USE-AS- IS

8. NCR Originator:
John Brookshire (printed name) — John Brookshire (signature) — 8/21/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: **K**

11. Responsible Manager: **Georgia N. Kareis**

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):

13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:
Byron Gelderman (printed name) — (signature) — 8-22-13 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 08-27-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

SPT1
CS 11/14/13

NCR No. NCR-SRS-0617-13 Revision 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name _____ signature _____ date _____

16b. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name _____ signature _____ date _____

18. Interim Disposition Verified – QA Engineer:

printed name _____ signature _____ date _____

SRT2
CS 11/14/13

NCR No. NCR-SRS-0617-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☒ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]
The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☒ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

21. QA Engineer or QA Designee:
Byron Gedderman (printed name) (signature) 8-22-13 (date)

Additional Approval:
(printed name) (signature) (date)

Additional Approval:
(printed name) (signature) (date)

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

23. Attachments:
NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☑ and explain: Disposition use as is.

25. Final Disposition Verified – NCR Closed QA Engineer:
(printed name) (signature) 8/22/13 (date)

SPM 3
11/14/13

NCR No. NCR-SRS-0617-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☒ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]
The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☒ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

21. QA Engineer or QA Designee:
Byron Gelderman (printed name) (signature) 8-22-13 (date)

Additional Approval:
(printed name) (signature) (date)

Additional Approval:
(printed name) (signature) (date)

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

23. Attachments:
NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☑ and explain: Disposition use as is.

25. Final Disposition Verified – NCR Closed QA Engineer:
(printed name) (signature) 8/22/13 (date)

COPY

66

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0180-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0356
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR518667H
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 13 Section 4.4.2 Data Entry [l] Review Attachment 2 for completeness and accuracy.

7c. Actual Condition:
Weights do not match. Attachment 2, Section 2 has a Net weight of 25.3 and Section 4 has a Net weight of 25.2 kg

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☐ NO If no is checked, explain:

8. NCR Originator:

Carolina Soaterna	Carolina Soaterna	9/4/13
printed name	signature	date

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: A	11. Responsible Manager: **Joshua Houghton**
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:

T. MUELLER	T Mueller	9.4.13
printed name	signature	date

COPY

66A

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 Revision 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name _____ signature _____ date _____

16b. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name _____ signature _____ date _____

18. Interim Disposition Verified – QA Engineer:

printed name _____ signature _____ date _____

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair
19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☒ N/A for Reject, Rework, or Scrap]

☐ Reject ☒ Rework ☐ Scrap
19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

1. Operator to correct and re-sign data sheet.
2. ITR re-review corrections
3. Submit corrections and copy of the NCR to records.
4. SPM to re-review corrected data.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name	signature	date
Joshua Houghton		9-4-13

21. QA Engineer or QA Designee:

printed name	signature	date
T. MUELLER	T Mueller	9.4.13

Additional Approval:

printed name	signature	date

Additional Approval:

printed name	signature	date

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name	signature	date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name	signature	date

66C

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0356

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR 0356

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: During the ITR and after discussion with the LO and operator, It was determined that the operator incorrectly identified a solidified material as sludge for containers, WMPSLB054D, WMPSLB054E, WMPSLB054C, PAD12TMP1G, PAD12TMP1C, PAD12TMP1D, PAD12TMP1F, PAD12TMP1H, PAD12TMP1B and PAD12TMP1E. The attachments reflect the ~~go~~ changes. BWG 8-29-13
8-29-13

14. All containers match the waste stream description and waste matrix code except SR518667G.

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

8-29-13 — Date

On the recording for PAD12TMP1B, the operator pronounced the container number incorrectly. The operator pronounced it correctly at the end of the recording. BWG 8-29-13
I have reviewed and agree with all changes to this BDR
9-4-13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
S4RTR0356B	BACKUP RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Leon Navarrete Printed Name	09/03/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2481
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/03 14:43
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
S4RTR0356B	BACKUP RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0356	RTR BDR	08/22/13	72
SR4RTR0356A	PRIMARY RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	09/09/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2682
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/09 13:36
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0356	RTR BDR	08/22/13	72
SR4RTR0356A	PRIMARY RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0110 **Examination Date(s):** 9/10/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: SR522596A PAD12TMP2E PADTEMP9F PAD12TMP2H PAD12TMP2F
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**			X	NO NCRS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 9/16/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0110				Examination Date(s): 9/10/13
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	NO DISCREPANCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0110 **Examination Date(s):** 9/10/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	9/16/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0110 ☐ CH ☑ RH Date: 9/10/13

Waste Container ID Numbers	
Replicate Scan:	PAD12TMP2H
Independent Observation:	PAD12TMP2E
1	SR522596A
2	PAD12TMP2E
3	PADTEMP9F
4	PAD12TMP2H
5	PAD12TMP2F
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: John Brookshire — John Brookshire — 9/10/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Georgia N. Karelis — Georgia N. Karelis — 9/16/13
Printed Name — Signature — Date

NTPC RECORDS ORIGINAL
DATE REC'D 09-16-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0110 Date: 9/10/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	25

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

John Brookshire — RTR Operator

John Brookshire — Signature

9/10/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0110		
Examination Date: 9/10/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire	John Brookshire	9/10/13
Printed Name	Signature	Date

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2H
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 42.7 kg Tare Wt.: 27.7 kg Net Wt.: 15.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

4

Waste Container ID: PAD12TMP2H

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal hardware
AM:	
OM:	
OI:	Absorbent
C:	Wood framed HEPA filters
R:	Rubber gloves
XPM:	Plastic bags, air hose
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	4.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	8.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.0

5

Waste Container ID: PAD12TMP2H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator.
9-10-13

RTR Operator:

Byron Gelderman	Signature	9/10/2013
Print Name		Date

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2E
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 40.5 kg Tare Wt.: 27.7 kg Net Wt.: 12.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

7

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: PAD12TMP2E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI: Absorbent

C: Wood framed HEPA filters

R:

XPM: Air hose, plastic bags, plastic container, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.7
Cellulosics (C):	4.0
Rubber (R):	
Plastics (waste materials) (XPM):	7.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.8

8

Waste Container ID: PAD12TMP2E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation agrees with the original Operator. 9-10-13

9-10-13

RTR Operator:

Byron Gelderman		9/10/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0110	
Examination Date:	9/10/2013	
Waste Container ID:	SR522596A	
Video/Audio Recorded Media Number:	SRLBR0110	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322, and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt.: 60.1 kg Tare Wt.: 27.7 kg Net Wt.: 32.4 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

10

Waste Container ID: SR522596A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal bucket - open, scissors at 28", metal containers, scrap metal

AM:

OM: Pellets

OI:

C: Wood

R: Rubber gloves

XPM: Air hose and fittings, plastic sheeting, plastic suits, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	9.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.5
Other Inorganic Materials (OI)	
Cellulosics (C):	1.2
Rubber (R):	1.3
Plastics (waste materials) (XPM):	19.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	32.4

Waste Container ID: SR522596A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

12

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2E
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 40.5 kg Tare Wt.: 27.7 kg Net Wt.: 12.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

13

Waste Container ID: PAD12TMP2E

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal wire
AM:	
OM:	
OI:	Absorbent
C:	Filters, wood
R:	
XPM:	Air hose, plastic bags, plastic container, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.9
Cellulosics (C):	2.4
Rubber (R):	
Plastics (waste materials) (XPM):	7.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.8

14

Waste Container ID: PAD12TMP2E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

15

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0110	
Examination Date:	9/10/2013	
Waste Container ID:	PADTEMP9F	
Video/Audio Recorded Media Number:	SRLBR0110	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 61.3 kg Tare Wt.: 27.7 kg Net Wt.: 33.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

16

Waste Container ID: PADTEMP9F

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal bottles
AM:	
OM:	
OI:	Absorbent
C:	
R:	Rubber gloves
XPM:	Air hose and fittings, plastic bags, plastic sheeting, plastic labware, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.7
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.8
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	29.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	33.6

17

Waste Container ID: PADTEMP9F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0110	
Examination Date:	9/10/2013	
Waste Container ID:	PAD12TMP2H	
Video/Audio Recorded Media Number:	SRLBR0110	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 42.7 kg Tare Wt.: 27.7 kg Net Wt.: 15.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

19

Waste Container ID: PAD12TMP2H

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal hardware
AM:	
OM:	
OI:	Absorbent
C:	Filters, wood
R:	Rubber gloves
XPM:	Air hose, plastic sheeting, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.7
Cellulosics (C):	2.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	9.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.0

20

Waste Container ID: PAD12TMP2H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0110	
Examination Date:	9/10/2013	
Waste Container ID:	PAD12TMP2F	
Video/Audio Recorded Media Number:	SRLBR0110	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.9 kg Tare Wt.: 27.7 kg Net Wt.: 21.2 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

22

Waste Container ID: PAD12TMP2F

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal wire, metal hardware
AM:	
OM:	
OI:	Absorbent, broken glass, glassware
C:	Wood, filter
R:	
XPM:	Air hose and fittings, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.6
Cellulosics (C):	1.8
Rubber (R):	
Plastics (waste materials) (XPM):	14.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	21.2

23

Waste Container ID: PAD12TMP2F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

24

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0110

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0110

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A GNK 9/16/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Georgia N. Karelis — Georgia N. Karelis — 9/16/13

Printed Name — Signature — Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record
[ ] Fax Record
[X] Electronic Record
[ ] Copy

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	9/16/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	SPM Checklist	9/16/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	9/16/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2783
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	09/16 12:33
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	9/16/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	SPM Checklist	9/16/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] _____ Jeffrey Patterson

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-16-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110B	BACKUP RH RTR DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	09/25/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2959
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/25 14:52
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-16-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110B	BACKUP RH RTR DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-24-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	RH RTR BDR	09/10/13	26
SRLBR0110A	RH RTR PRIMARY DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	10/02/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3037
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	10/02 09:50
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-24-13

Telephone Number: 575-234-7523

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	RH RTR BDR	09/10/13	26
SRLBR0110A	RH RTR PRIMARY DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0078_____ **Examination Date: February 6, 7 and 11, 2013**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: 773A12SED1, HBL120257, HBL120261 SR54064314, SR54064316, SR54064317, SWD12253, SWD12256, TEMP17A, WMAPSWB547, WMAPSWB548,
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0259-13 Reject SR523564A,
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 2/13/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0078_____				Examination Date: February 6, 7 and 11, 2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			Except for SR523564A
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			Except for SR523564A
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? ***Reference Source:*** **CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0078_____				**Examination Date: February 6, 7 and 11, 2013**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna	Carolina Soaterna			2/13/2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0078 ☑ CH ☐ RH Date: 02/11/13

Waste Container ID Numbers	
Replicate Scan:	SWD12256
Independent Observation:	HBL120261
1	WMAPSWB548
2	WMAPSWB547
3	SR523564A
4	SR54064316
5	TEMP17A
6	SR54064317
7	SR54064314
8	773A12SED1
9	HBL120257
10	HBL120261
11	SWD12253
12	SWD12256
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Georgia N. Kareis — Georgia N. Kareis — 02/11/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Steve Redmond — — 2-12-13
Printed Name — Signature — Date

CCP RECORDS ORIGINAL
DATE REC'D 02-12-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0078 Date: 02/11/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	46
6	CCP Independent Technical Reviewer Checklist	49

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

Following behind the ITR Checklist the Operator Aid #156 excel spreadsheets have been paginated and placed in this BDR for reference to the containers processed in this BDR.

Georgia N. Kareis — Georgia N. Kareis — 02/11/13

RTR Operator — Signature — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0078		
Examination Date: 02/06/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	02/06/13
Printed Name	Signature	Date

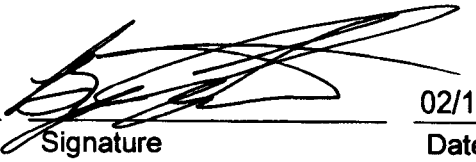
3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0078		
Examination Date: 02/07/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	02/07/13
Printed Name	Signature	Date

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0078		
Examination Date: 02/11/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Byron Gelderman		02/11/13
Printed Name	Signature	Date

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	SWD12256
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 363.0 kg Tare Wt.: 290.0 kg Net Wt.: 73.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	60 %

CCP Radiography Data Sheet

Waste Container ID: SWD12256

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Vented metal drums

AM:

OM:

OI:

C: Fiberboard liners

R: Rubber gloves

XPM: Plastic bag, absorbent pads, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	57.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	7.4
Rubber (R):	2.0
Plastics (waste materials) (XPM):	6.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	73.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12256

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:

The Replicate scan agrees with the original operators scan. GNK 2/11/13

RTR Operator:

Georgia N. Kareis — Print Name

Georgia N. Kareis — Signature

2/11/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	HBL120261
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120261

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120261

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ GNK 2/11/13

This Independent observation agrees with the original operator's scan. GNK 2/11/13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/11/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/6/2013
Waste Container ID:	WMAPSWB548
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 631.0 kg Tare Wt.: 290.0 kg Net Wt.: 341.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB548

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Open metal drums, metal drum rings, metal drum lids, open metal container, scrap metal, utility knife on the bottom of the SWB, metal hardware, metal vents, hand tool
AM:	
OM:	Battery pack at 22" , 26" and the bottom of the SWB
OI:	Absorbent
C:	Wood, tape
R:	Rubber gloves
XPM:	Plastic bags, nylon chokers, plastic sheeting, plastic glove portals, open plastic container, plastic tubing, nylon rope
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	297.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	7.2
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	12.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	18.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	341.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB548

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/6/2013
Waste Container ID:	WMAPSWB547
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 564.0 kg Tare Wt.: 290.0 kg Net Wt.: 274.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB547

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Vented metal drums, scrap metal
AM:	
OM:	
OI:	
C:	Tape, wood
R:	
XPM:	Plastic bags, plastic sheeting, nylon chokers, plastic hose
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	245.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	18.5
Rubber (R):	
Plastics (waste materials) (XPM):	10.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	274.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB547

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	JAK 2/12/13 ☑ Yes ~~☒~~ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JAK 2/12/13

After further review with the IDR there was liquid that I did not identify and agree that it is not prohibited. JAK 2/12/13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/6/2013
Print Name	Signature	Date

Georgia N. Kareis 2/12/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/6/2013
Waste Container ID:	SR523564A
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0259-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 586.0 kg Tare Wt.: 290.0 kg Net Wt.: 296.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523564A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Metal chokers, open metal box, metal lid, scrap metal, metal hardware
AM:	
OM:	
OI:	Glassware, absorbent
C:	
R:	Rubber gloves
XPM:	Nylon rope, plastic containers, plastic caps, plastic bags, plastic labware, nylon chokers, plastic containers with greater than 3% of liquid at 28"
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	245.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	30.0
Cellulosics (C):	
Rubber (R):	3.0
Plastics (waste materials) (XPM):	18.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	296.0

CCP Radiography Data Sheet

Waste Container ID: SR523564A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[X] Yes [ ] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:NCR-SRS-0259-13	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/6/2013
Waste Container ID:	SR54064316
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 424.0 kg Tare Wt.: 290.0 kg Net Wt.: 134.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064316

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal hardware
AM:	
OM:	
OI:	
C:	Mop heads, tape
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	8.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	119.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	134.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064316

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/7/2013
Waste Container ID:	TEMP17A
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Large Box 2
TRUCON Code:	SR 425
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 2818.0 kg Tare Wt.: 1224.7 kg Net Wt.: 1593.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: TEMP17A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Metal chokers, vented metal box, metal wire, scrap metal, metal hardware, electrical devices
AM:	Aluminum marker
OM:	
OI:	Absorbent
C:	Wood, cardboard, coveralls
R:	Rubber gloves
XPM:	Plastic bags, plastic containers, plastic caps, plastic sheeting, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	1224.7
Plastics (PP):	
Other:	
Total Packaging Weight	1224.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1284.2
Aluminum-based Metals / Alloys (AM):	0.1
Other Metals (OM):	
Other Inorganic Materials (OI)	225.0
Cellulosics (C):	55.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	25.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	1593.3

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: TEMP17A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/7/2013
Waste Container ID:	SR54064317
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 393.0 kg Tare Wt.: 290.0 kg Net Wt.: 103.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064317

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, hand tool, mop spring
AM:	
OM:	
OI:	
C:	Tape, wood
R:	Rubber gloves
XPM:	Plastic sheeting, nylon chokers, plastic bags, air hose, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	18.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	6.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	75.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	103.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064317

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0078	
Examination Date:	2/7/2013	
Waste Container ID:	SR54064314	
Video/Audio Recorded Media Number:	SRLBR0078	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 516.0 kg Tare Wt.: 290.0 kg Net Wt.: 226.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064314

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Vented metal drum, metal hardware, scrap metal, metal cans

AM:

OM:

OI: Absorbent

C: Wood

R: Rubber gloves

XPM: Nylon chokers, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	35.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	155.7
Cellulosics (C):	28.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	226.0

CCP Radiography Data Sheet

Waste Container ID: SR54064314

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/7/2013
Waste Container ID:	773A12SED1
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 521.0 kg Tare Wt.: 290.0 kg Net Wt.: 231.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: 773A12SED1

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tools, metal cans, scrap metal, metal framed HEPA filter, metal container, open metal box metal hardware, metal tubing, open metal bucket, electrical motor
AM:	
OM:	
OI:	Glassware, absorbent
C:	Wooden box, coveralls, tape
R:	Rubber gloves
XPM:	Plastic bags, plastic labware, plastic sheeting, air hose and fittings, plastic hose, plastic suits, electrical cord, plastic glove portals
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	127.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.0
Cellulosics (C):	65.0
Rubber (R):	3.0
Plastics (waste materials) (XPM):	35.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	231.0

CCP Radiography Data Sheet

Waste Container ID: 773A12SED1

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	HBL120257
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120257

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120257

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

Byron Gelderman		2/11/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	HBL120261
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

37

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120261

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120261

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

2/11/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	SWD12253
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 353.0 kg Tare Wt.: 290.0 kg Net Wt.: 63.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	60 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12253

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal drums vented
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves
XPM:	Plastic bags, absorbent pads
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	57.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	63.0

CCP Radiography Data Sheet

Waste Container ID: SWD12253

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Byron Gelderman		2/11/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0078
Examination Date:	2/11/2013
Waste Container ID:	SWD12256
Video/Audio Recorded Media Number:	SRLBR0078 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 363.0 kg Tare Wt.: 290.0 kg Net Wt.: 73.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	60 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12256

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drums vented

AM:

OM:

OI:

C: Fiberboard liners

R: Rubber gloves

XPM: Plastic sheeting, absorbent pads, plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	58.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	7.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	73.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12256

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

2/11/2013 — Date

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0259-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):NDE	3. Batch Data Report #(s):
N/A		SRLBR0078
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s):
N/A	N/A	SR523564A
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Revision 12, Table 1. Prohibited Items states in part... - Internal containers with more than 60 milliliters or 3 percent by volume observable liquid,whichever is greater, are prohibited.

7c. Actual Condition: 1.) 150ml container with 75mls of prohibited liquid at 28" which is greater than 3% by volume.
2.) 150 ml container with 100mls of prohibited liquid at 28" which is greater than 3% by volume.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:
Georgia N. Kareis — Georgia N. Kareis — 2/6/13
printed name — signature — date

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager:
Byron Gelderman

12. Significant Condition? ☐ YES ☒ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☒ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:
John Brookshire — John Brookshire — 2/7/13
printed name — signature — date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0259-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

47

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0259-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):

☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Byron Gelderman		2-7-13	John Brookshire	John Brookshire	2/7/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

printed name signature date

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0078

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0078

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: None 2-12-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Steve Redmond		2-12-13
Printed Name	Signature	Date

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

ıerator Aid #	156	Gross Weight (kg)	147
ntainer ID	HBL120261 IO	Tare Weight (kg)	144.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.8	74.9	6.5	35.6	144.9	147.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

ɔerator Aid #	156	Gross Weight (kg)	147
ɔntainer ID	HBL120257	Tare Weight (kg)	144.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.8	74.9	6.5	35.6	144.9	147.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

erator Aid # 156
ntainer ID HBL120261

Gross Weight (kg) 147
Tare Weight (kg) 144.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
TRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
IGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.8	74.9	6.5	35.6	144.9	147.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

53

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Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-12-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0078B	BACKUP RTR DVD	02/06/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	2/21/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

```
*********************
***   TX REPORT   ***
*********************

TRANSMISSION OK

TX/RX NO                  4105
DESTINATION TEL #         918032081690
DESTINATION ID            SRS
ST. TIME                  02/21 10:32
TIME USE                  00'15
PAGES SENT                  1
RESULT                    OK
```

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-12-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR00789	BACKUP RTR DVD	02/06/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] [signature] Jeffrey Patterson 2/21/13

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0078	RTR BDR	02/11/13	55
SRLBR0078A	PRIMARY RTR DVD	02/06/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	4.22.13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4406
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/22 11:48
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0078	RTR BDR	02/11/13	55
SRLBR0078A	PRIMARY RTR DVD	02/06/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [ ] Leon Navarrete 4-22-13

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Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				**Container(s):** HBL120429, HBL120431, HBL110144; HBL110143; HBL120447, HBL120441; SR57055436, SR523677D, MDL0506566
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs associated with this BDR
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/10/12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			SR57055436
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			HBL120447

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: **None**

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody		10 December 2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0301 ☑ CH ☐ RH Date: 12/5/12

Waste Container ID Numbers	
Replicate Scan:	SR57055436
Independent Observation:	HBL120447
1	HBL120429
2	HBL120431
3	HBL110144
4	HBL110143
5	HBL120447
6	HBL120441
7	SR57055436
8	SR523677D
9	MDL0506566
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name

Signature

12/5/12 — Date

Independent Technical Reviewer:

John BrooKshire — Printed Name

John Brookshire — Signature

12/6/12 — Date

CCP RECORDS ORIGINAL
DATE REC'D 12-10-12

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0301 Date: 12/5/12

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	37

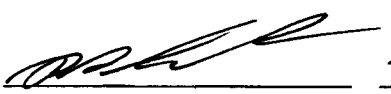
Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report. Following behind the ITR Checklist the Operator Aid #156 excel spreadsheets have been paginated and placed in this BDR for reference to the containers processed in this BDR.

Steve Redmond — RTR Operator

Signature

12/5/12 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0301		
Examination Date: 12/5/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond		12/5/12
Printed Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR57055436
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 43.0 kg Tare Wt.: 33.4 kg Net Wt.: 9.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR57055436

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI: Absorbent
C: Coveralls
R:
XPM: Plastic bags, absorbent pads
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	0.9
Rubber (R):	
Plastics (waste materials) (XPM):	8.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.6

5

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR57055436

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator.
BWG
12-5-12

RTR Operator:

Byron Gelderman — Print Name

Signature

12/5/2012 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120447
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

7

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120447

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120447

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independant Observation agrees with the original operator.
BWG
12-5-12

RTR Operator:

Byron Gelderman		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120429
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

10

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120429

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

11

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120429

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120431
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 145.0 kg Tare Wt.: 142.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120431

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	101.3
Plastics (PP):	6.4
Other:	35.2
Total Packaging Weight	142.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120431

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL110144
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

16

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL110144

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL110144

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

18

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL110143
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 145.0 kg Tare Wt.: 142.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

19

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL110143

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	101.3
Plastics (PP):	6.4
Other:	35.2
Total Packaging Weight	142.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

20

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL110143

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120447
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

22

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120447

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120447

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120441
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

25

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120441

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120441

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR57055436
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 43.0 kg Tare Wt.: 33.4 kg Net Wt.: 9.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

28

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR57055436

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI: Absorbent
C: Laundry bag
R:
XPM: Plastic bags, plastic sleeving, absorbent towels
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.2
Cellulosics (C):	0.5
Rubber (R):	
Plastics (waste materials) (XPM):	8.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR57055436

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR523677D
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 39.0 kg Tare Wt.: 27.7 kg Net Wt.: 11.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523677D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal fittings, scrap metal, floor sweepings, electrical device
AM:	
OM:	
OI:	Broken glass, absorbent, glass ware
C:	
R:	Rubber gloves
XPM:	Open plastic buckets, plastic tubing, plastic bags, absorbent towels, plastic caps, plastic containers, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	11.3

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523677D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	MDL0506566
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ211
Waste Matrix Code:	S4200
Waste Stream I.D.:	SR-MD-SOIL
Waste Container Weights:	Gross Wt.: 280.0 kg Tare Wt.: 26.9 kg Net Wt.: 253.1 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: MDL0506566

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal pipe
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic bags
OR:	
IN:	
S:	Soil

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	26.9
Plastics (PP):	
Other:	
Total Packaging Weight	26.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	246.1
Total WMP Weight:	253.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: MDL0506566

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0301

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☑ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0301

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A JMB 12/6/12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	12/6/12
Printed Name	Signature	Date

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

ıerator Aid # 156
ntainer ID HBL120447 IO

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBLL20429

Gross Weight (kg) 144
Tare Weight (kg) 141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

erator Aid # 156
ntainer ID HBL120431

Gross Weight (kg) 145
Tare Weight (kg) 142.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.4	73.9	6.4	35.2	142.9	145.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

11

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

perator Aid # 156
ntainer ID HBL110144

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

24

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

erator Aid # 156
ntainer ID H8L110143

Gross Weight (kg) 145
Tare Weight (kg) 142.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.4	73.9	6.4	35.2	142.9	145.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

43

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

perator Aid # 156
ntainer ID HBL120447

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
STRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
EIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

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INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

erator Aid # 156
ıtainer ID HBL120441

Gross Weight (kg) 144
Tare Weight (kg) 141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
TRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
IGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

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DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-10-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0301B	BACKUP RTR DVD	12/05/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Sheri Punchios Signature	SHERI PUNCHIOS Printed Name	12-14-12 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3057
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	12/14 12:29
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

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	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-10-12
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SR4RTR0301B	BACKUP RTR DVD	12/05/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [X] Sheri Punchios SHERI PUNCHIOS 12-14-12

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[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-13-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0301	RTR BDR	12/05/12	45
SR4RTR0301A	PRIMARY RTR DVD	12/05/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	12/13/12 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3127
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	12/18 11:01
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-13-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0301	RTR BDR	12/05/12	45
SR4RTR0301A	PRIMARY RTR DVD	12/05/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Jeffrey Patterson 12/13/12

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

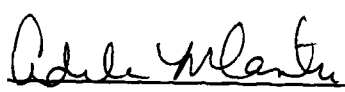
BDR Number: SRLBR0087				**Examination Date: April 15, 16, 18, 2013**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: FCAN06036A SR523235A WMAPSLB027 WMAPSWB608 WMAPSWB613 WMPSLB019A WMPSLB020A
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0276-13 rev 0 (WMAPSWB608, WMAPSWB613) Use As Is
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE RECD 4/30/13 (T)

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0087				**Examination Date: April 15, 16, 18, 2013**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			Sieve Test OK
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0087	**Examination Date: April 15, 16, 18, 2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú				April 23, 2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0087 ☑ CH ☐ RH Date: 04/18/13

Waste Container ID Numbers	
Replicate Scan:	WMPSLB019A
Independent Observation:	SR523235A
1	WMAPSWB608
2	WMAPSWB613
3	WMPSLB020A
4	FCAN06036A
5	SR523235A
6	WMPSLB019A
7	WMAPSLB027
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Byron Gelderman — Printed Name

Signature

04/18/13 — Date

Independent Technical Reviewer:

Steve Redmond — Printed Name

Signature

4-22-13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 04-22-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0087 Date: 04/18/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	31
6	CCP Independent Technical Reviewer Checklist	34

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

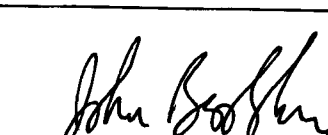
Byron Gelderman
RTR Operator

Signature

04/18/13
Date

2

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0087		
Examination Date: 4/15/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire Printed Name	 Signature	4/15/13 Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0087		
Examination Date: 4/16/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	4/16/13 (Date)

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0087		
Examination Date: 04/18/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		

RTR Operator:		
Byron Gelderman		04/18/13
Printed Name	Signature	Date

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/16/2013
Waste Container ID:	WMPSLB019A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 452.0 kg Tare Wt.: 290.0 kg Net Wt.: 162.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB019A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Hand tool, open metal drum, scrap metal, small metal filters, filter debris

AM:

OM:

OI: Absorbent

C: Wooden framed HEPA filters

R: Rubber gloves

XPM: Plastic sheeting, air hose, plastic suits, nylon chokers, air hood

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	38.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	6.0
Cellulosics (C):	46.0
Rubber (R):	3.2
Plastics (waste materials) (XPM):	68.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	162.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB019A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: Failed to mention on the recording that the liquid amount was estimated to be 5 mls of observable liquid which is not prohibited.

This Replicate scan agrees with the original scan. BGG 4-16-13

RTR Operator:

Byron Gelderman — Print Name

Signature

4/16/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/18/2013
Waste Container ID:	SR523235A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 596.0 kg Tare Wt.: 290.0 kg Net Wt.: 306.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

7

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523235A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Hand tools, open metal drum, scrap metal, electrical devices, metal funnel, metal tray

AM:

OM:

OI: Absorbent

C: Mop heads, wood, filters

R: Rubber gloves

XPM: Plastic sheeting, air hose, plastic suits, nylon chokers, plastic containers, absorbent pads

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	145.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	80.0
Cellulosics (C):	40.0
Rubber (R):	3.0
Plastics (waste materials) (XPM):	38.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	306.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523235A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation agrees with the original operator.
BWG 4-18-13

RTR Operator:

Byron Gelderman — Print Name

Signature

4/18/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/15/2013
Waste Container ID:	WMAPSWB608
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0276-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5440
Waste Stream I.D.:	SR-W027-221H-HET
Waste Container Weights:	Gross Wt.: 459.0 kg Tare Wt.: 290.0 kg Net Wt.: 169.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB608

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal containers, metal drum rings, metal lids, hand tools, metal drums - open, metal buckets - open, metal vents

AM:

OM:

OI:

C: Mop heads

R: Rubber gloves

XPM: Plastic sheeting, plastic lids, nylon chokers, air hose and fittings, plastic liners, plastic suits

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	120.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	5.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	42.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	169.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB608

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: NCR-SRS-0276-13	

RTR Operator:

John Brookshire	John Brookshire	4/15/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/15/2013
Waste Container ID:	WMAPSWB613
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0276-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5440
Waste Stream I.D.:	SR-W027-221H-HET
Waste Container Weights:	Gross Wt.: 435.0 kg Tare Wt.: 290.0 kg Net Wt.: 145.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSWB613

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tool, drum rings, metal lids, open metal drums, metal box, scrap metal, metal container, scissors at 20", metal vents
AM:	
OM:	
OI:	
C:	Tape
R:	Rubber gloves
XPM:	Plastic sheeting, nylon chokers, liner lids, air hose, plastic liners, plastic tubing, plastic suits, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	79.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.4
Rubber (R):	3.2
Plastics (waste materials) (XPM):	62.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	145.0

CCP Radiography Data Sheet

Waste Container ID: WMAPSWB613

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0276-13

RTR Operator:

Byron Gelderman		4/15/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/15/2013
Waste Container ID:	WMPSLB020A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 415.0 kg Tare Wt.: 290.0 kg Net Wt.: 125.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB020A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Hand tool, open metal drum, metal bucket, scissors at 24" & 26", scrap metal, metal container
AM:	
OM:	
OI:	Absorbent
C:	Wooden framed HEPA filter
R:	Rubber gloves
XPM:	Plastic sheeting, air hose, nylon chokers, plastic suits, plastic containers, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	36.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	19.4
Rubber (R):	3.0
Plastics (waste materials) (XPM):	64.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	125.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB020A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

4/15/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/16/2013
Waste Container ID:	FCAN06036A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SDD-HET-A
Waste Container Weights:	Gross Wt.: 390.0 kg Tare Wt.: 290.0 kg Net Wt.: 100.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: FCAN06036A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:

AM:

OM:

OI: Absorbent

C: Mop heads

R: Rubber gloves

XPM: Plastic sheeting, plastic bags, air hose and fittings, plastic suits, absorbent pads

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.5
Cellulosics (C):	30.0
Rubber (R):	2.6
Plastics (waste materials) (XPM):	64.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	100.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: FCAN06036A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	4/16/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/16/2013
Waste Container ID:	SR523235A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 596.0 kg Tare Wt.: 290.0 kg Net Wt.: 306.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523235A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Scrap metal, metal drum - open, metal tray, electrical devices, hand tools
AM:	
OM:	
OI:	Absorbent, glassware, broken glass at 28"
C:	Wood, mop heads, tape
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic labware, plastic sheeting, electrical cords, pieces of plastic, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	130.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	~~28.0~~ 78.0 JMB 4/18/13
Cellulosics (C):	~~80.0~~ 50.0 JMB 4/18/13
Rubber (R):	2.6
Plastics (waste materials) (XPM):	~~65.4~~ 45.4 JMB 4/18/13
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	306.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523235A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JWB 4/19/13 After further review with the Independent Observation operator, I agree with the weight changes made to the Waste Material Parameters on this Data Sheet. JWB 4/18/13

RTR Operator:

John Brookshire
Print Name

John Brookshire
Signature John Brookshire

4/16/2013
Date 4/18/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/16/2013
Waste Container ID:	WMPSLB019A
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 452.0 kg Tare Wt.: 290.0 kg Net Wt.: 162.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB019A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Hand tools, metal drum - open, scrap metal, metal framed filters
AM:	
OM:	
OI:	Absorbent
C:	Wooden framed HEPA filters, filter media, mop heads
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	38.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	7.0
Cellulosics (C):	50.4
Rubber (R):	2.6
Plastics (waste materials) (XPM):	63.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	162.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB019A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [X] ~~No~~ JMB 4/16/13
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: ~~N/A~~ JMB 4/16/13 After review with the Replicate operator, I agree there is observable liquid at 20" that is not a prohibited amount. JMB 4/16/13

RTR Operator:

John Brookshire	John Brookshire	4/16/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0087
Examination Date:	4/18/2013
Waste Container ID:	WMAPSLB027
Video/Audio Recorded Media Number:	SRLBR0087 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Large Box 2
TRUCON Code:	SR 425
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 2722.0 kg Tare Wt.: 1224.7 kg Net Wt.: 1497.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSLB027

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:	Scrap metal, metal box vented, cable chokers, hand tool
AM:	
OM:	Lead sheeting
OI:	Absorbent
C:	Wood, tape
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic sheeting, air hose, nylon chokers, plastic suits, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	1224.7
Plastics (PP):	
Other:	
Total Packaging Weight	1224.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	999.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	85.0
Other Inorganic Materials (OI)	275.0
Cellulosics (C):	75.0
Rubber (R):	4.5
Plastics (waste materials) (XPM):	58.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	1497.3

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMAPSLB027

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: On the recording I failed to mention that there was lead sheeting and the Attachment reflects this item.	

RTR Operator:

Byron Gelderman — Print Name

Signature

4/18/2013 — Date

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0276-13		**Revision: 0**
1. Lot No., Heat No., or Serial No. (if applicable): N/A	**2. Process (e.g., NDA, HSG, NDE, VE, Other):** NDE	**3. Batch Data Report #(s):** SRLBR0087 **Container #(s):** WMAPSWB608 and WMAPSWB613
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053 Rev.12, Section 4.4.2 [H.2] states... IF the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code, **THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition: These SWB's contain greater than 50% inorganic waste.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ **YES** ☒ **NO** **(If no is checked, explain:)**

USE AS IS

8. NCR Originator:

John Brookshire (printed name) — John Brookshire (signature) — 4/15/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ **YES** ☒ **NO** ☐ **INDETERMINATE**

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ **YES** ☒ **NO** **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ **YES** ☒ **NO (If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Steve Redmond (printed name) — (signature) — 4-11-13 (date)

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0276-13	Revision: 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			16b. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

32

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0276-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):

☒ **Use-As-Is** ☐ **Repair**

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ **Reject** ☐ **Rework** ☐ **Scrap**

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

N/A

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis	Georgia N. Kareis	4/16/13	Steve Redmond		4-16-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia N. Kareis — Georgia N. Kareis — 4/16/13
printed name — signature — date

23. Attachments:

NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☑ Disposition use as is.

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

Steve Redmond — Steve Redmond — 4/16/13
printed name — signature — date

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR00087

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0087

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: Item 14, All containers match the waste stream Description and waste matrix code except WMAPSW13608 and WMAPSW13613. 4-22-13 4-22-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Steve Redmond		4-22-13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-22-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0087B	BACKUP RTR DVD	04/15/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

	Signature	Printed Name	Date
Records Accepted [✓]		Leon Navarrete	4.25.13
Records Rejected [ ]			

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4508
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/25 10:44
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-22-13
Telephone Number:	575-234-7523		

Document Number	Title / Description		Record Date	Total Pages
SRLBR0087B	BACKUP RTR DVD		04/15/13	N/A
N/A	N/A		N/A	N/A
N/A	N/A		N/A	N/A
N/A	N/A		N/A	N/A
N/A	N/A		N/A	N/A
N/A	N/A		N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0087	RTR BDR	04/18/13	37
SRLBR0087A	PRIMARY RTR DVD	04/15/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Leon Navarrete (Printed Name)	4/30/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4578
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/30 07:46
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803 208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0087	RTR BDR	04/18/13	37
SRLBR0087A	PRIMARY RTR DVD	04/15/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0088 **Examination Date:** 4/23,24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR608873C SR585133H SR523564D SR608873B SR585133D
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	NO NCRS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4-30-13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0088 **Examination Date: 4/23,24/13**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	NO DISCREPENCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0088 **Examination Date:** 4/23,24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	4-25-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0088 ☐ CH ☑ RH Date: 4/24/13

Waste Container ID Numbers	
Replicate Scan:	SR608873C
Independent Observation:	SR585133H
1	SR608873C
2	SR585133H
3	SR523564D
4	SR608873B
5	SR585133D
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name

Signature

4/24/13 — Date

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

4-25-13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 04-25-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0088 Date: 4/24/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	25

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

Steve Redmond
RTR Operator

Signature

4/24/13
Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 04/23/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	04/23/13
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 4/24/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond (Printed Name)	(Signature)	4/24/13 (Date)

3A

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tool, scrap metal, metal fitting, metal containers, metal caps, metal funnel, metal hardware
AM:	
OM:	
OI:	Glassware
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic bags, plastic containers, plastic caps
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	4.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	14.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

5

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: This Replicate SCAN Agrees with the original SCAN.
4-23-13

RTR Operator:

Steve Redmond		4/23/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR585133H
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

7

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal containers, metal caps, scissors at 18", hand tool

AM:

OM:

OI: Glassware, broken glass

C:

R: Rubber gloves

XPM: Plastic sheeting, plastic containers, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: This Independant observation Agrees with The original SCAN. 4-23-13	

RTR Operator:

Steve Redmond		4/23/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

10

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, small metal containers, metal funnel

AM: Aluminum racks

OM:

OI: Glassware, absorbent

C:

R: Rubber gloves

XPM: Plastic bags, plastic lab ware, plastic sheeting, plastic containers, plastic caps

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	0.4
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	15.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

11

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR585133H
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	40 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, small metal containers, scissors at 19", metal fittings, metal tray, metal hardware, hand tool

AM:

OM:

OI: Broken glass throughout the bottom

C:

R: Rubber gloves

XPM: Plastic bags, plastic lab ware, plastic sheeting, plastic containers

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	15.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

CCP Radiography Data Sheet

Waste Container ID: SR585133H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR523564D
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 52.6 kg Tare Wt.: 27.7 kg Net Wt.: 24.9 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523564D

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, metal lids, metal container
AM:	
OM:	
OI:	Absorbent, glassware
C:	Cotton wound filters, tape
R:	
XPM:	Plastic containers, plastic bags, plastic labware, plastic caps
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	0.6
Rubber (R):	
Plastics (waste materials) (XPM):	19.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	24.9

17

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523564D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

18

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/24/2013
Waste Container ID:	SR608873B
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

19

CCP Radiography Data Sheet

Waste Container ID: SR608873B

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Hand tools, scrap metal, metal caps, metal containers
AM:	
OM:	
OI:	Absorbent, glassware
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic caps, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	14.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

20

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Steve Redmond		4/24/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/24/2013
Waste Container ID:	SR585133D
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.1 kg Tare Wt.: 27.7 kg Net Wt.: 20.4 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

22

CCP Radiography Data Sheet

Waste Container ID: SR585133D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal containers, metal caps, scrap metal, metal fitting
AM:	
OM:	
OI:	Absorbent, glassware, broken glass
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic caps, plastic bags, absorbent towels
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.5
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	12.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	20.4

CCP Radiography Data Sheet

Waste Container ID: SR585133D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		4/24/2013
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0088

	Description			
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☑ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0088

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A BWG 4-25-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman		4-25-13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/25/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088	SPM Checklist	4/25/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Austin Peralta (Printed Name)	4-30-13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4586
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	04/30 09:18
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220
Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095
Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/25/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0089	SPM Checklist	4/25/13	3
	NA		

Comments:

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088B	BACKUP RH RTR DVD	04/23/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Austin Peralta (Printed Name)	4-30-13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4604
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/30 14:43
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title/ Description	Record Date	Total Pages
SRLBR0088B	BACKUP RH RTR DVD	04/23/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	05-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088	RH RTR BDR	04/24/13	27
SRLBR0088A	PRIMARY RH RTR DVD	04/23/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Austin Peralta (Printed Name)	5-2-13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4704
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	05/02 14:47
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

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Central Characterization Program
Acceptable Knowledge Summary Report
For

Savannah River Site
Remote-Handled Transuranic Waste

Waste Streams:
SR-RH-221H.01
SR-RH-221H.02

Revision 1

November 27, 2012

Irene Quintana

Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	07/13/2011	Initial issue.
1	11/27/2012	Revised to format the report consistently with CCP-TP-005, *CCP Acceptable Knowledge Documentation,* Revision 24, and to incorporate waste stream SR-RH-221H.02.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 9
2.0 WASTE STREAM IDENTIFICATION SUMMARY 11
2.1 Waste Stream SR-RH-221H.01 11
2.2 Waste Stream SR-RH-221H.02 14
3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 16
4.0 REQUIRED PROGRAM INFORMATION 18
4.1 Facility Location 18
4.2 Facility Description 18
4.2.1 Old HB-Line 19
4.2.2 New HB-Line 20
4.3 Facility Mission 23
4.4 Defense Waste Assessment 24
4.5 High-Level Waste and Spent Nuclear Fuel Assessment 25
4.6 RH TRU Waste Management 25
4.6.1 Types and Quantity of TRU Waste Generated 27
4.6.2 Correlation of Waste Streams Generated from the Same Building and Process 28
4.6.3 Waste Stream Identification, Categorization, and Delineation 28
4.7 Description of Waste Generating Processes 32
4.7.1 Old HB-Line Waste Generating Process 32
4.7.1.1 Scrap Recovery Process 33
4.7.1.2 Neptunium Process 34
4.7.1.3 Plutonium Process 34
4.7.2 New HB-Line Waste Generating Processes 35
4.7.2.1 Scrap Recovery Facility (Phase I) 36
4.7.2.2 Neptunium Oxide Facility (Phase II) 37
4.7.2.3 Plutonium Oxide Facility (Phase III) 38
4.7.2.4 Other Facilities 39
4.7.3 Old HB-Line D&R 39
4.7.4 Associated Maintenance and Housekeeping Activities 40
4.8 Waste Certification Procedures 41
5.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.01 42
5.1 Area and Building of Generation 42
5.2 Waste Stream Volume and Period of Generation 42
5.3 Waste Generating Activities 42
5.4 Type of Waste Generated 43
5.4.1 Materials Related to Physical Form 43
5.4.1.1 Waste Matrix Code 44
5.4.1.2 Waste Material Parameters 45
5.4.2 Radiological Characterization 46
5.4.3 Chemical Content Identification – Hazardous Constituents 49
5.4.3.1 F-Listed Constituents 59

5.4.3.2 Toxicity Characteristic Constituents 62
5.4.3.3 U- and P-Listed Constituents 66
5.4.3.4 K-Listed Constituents 68
5.4.3.5 Ignitables, Corrosives, and Reactives 68
5.4.4 Polychorinated Biphenyl's (PCBs) 71
5.4.5 Prohibited Items 71
5.5 Waste Packaging 73
6.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.02 75
6.1 Area and Building of Generation 75
6.2 Waste Stream Volume and Period of Generation 75
6.3 Waste Generating Activities 75
6.4 Type of Waste Generated 76
6.4.1 Materials Related to Physical Form 76
6.4.1.1 Waste Matrix Code 76
6.4.1.2 Waste Material Parameters 76
6.4.2 Radiological Characterization 77
6.4.3 Chemical Content Identification – Hazardous Constituents 78
6.4.3.1 F-Listed Constituents 79
6.4.3.2 Toxicity Characteristic Constituents 79
6.4.3.3 U-and P-Listed Constituents 80
6.4.3.4 K-Listed Constituents 80
6.4.3.5 Ignitable, Corrosives, and Reactives 80
6.4.4 Polychlorinated Biphenyls (PCBs) 81
6.4.5 Prohibited Items 82
6.5 Waste Packaging 82
7.0 QUALIFICATION OF AK INFORMATION 83
8.0 CONTAINER SPECIFIC INFORMATION 87
9.0 REFERENCES 89
10.0 AK SOURCE DOCUMENTS 91

LIST OF TABLES

Table 1. Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates 46
Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01 48
Table 3. Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01 51
Table 4. Hazardous Waste Numbers Historically Applied (other than Metals) 57
Table 5. Hazardous Waste Numbers Historically Applied for Metals 62
Table 6. Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates 77
Table 7. SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02 78
Table 8. Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary .. 79
Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary 83
Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary 85

LIST OF FIGURES

Figure 1. Savannah River Site Geographic Location 98
Figure 2. Location of the 200-H Area and Burial Ground Within Savannah River Site 99
Figure 3. Savannah River Site E-Area Map 100
Figure 4. History of SRS Waste Management Practices 101
Figure 5. Timeline of Material Processing Activities at the Scrap Recovery Facility 102
Figure 6. Timeline of Material Processing Activities at the Neptunium Oxide Facility 103
Figure 7. Timeline of Material Processing Activities at the Plutonium Oxide Facility 104
Figure 8. Primary Operations in Scrap Recovery 105
Figure 9. Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery 106
Figure 10. Old HB-Line ^{237}Np Process Flow Diagram 107
Figure 11. Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery 108
Figure 12. Old HB-Line ^{238}Pu Process Flow Diagram 109
Figure 13. Schematic of New HB-Line Plutonium Oxide Process 110
Figure 14. H-Canyon Dissolver Off-Gas Heater and Iodine Reactor 111

LIST OF ACRONYMS AND ABBREVIATIONS

AEC	U.S. Atomic Energy Commission
AK	acceptable knowledge
BGR	Radioactive Solid Waste Burial Ground Record
BIO	Basis for Interim Operations
CCP	Central Characterization Program
CFP	cold feed preparation
CFR	Code of Federal Regulations
CH	contact-handled
Ci	curie
D&D	dismantle and decontamination
D&R	decontamination and removal
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DQO	Data Quality Objective
DTC	dose-to-curie
EPA	U.S. Environmental Protection Agency
EPD	Environmental Protection Department
ES&H	Environmental Safety and Health
FAMS	F-Area Material Storage Facility
FGE	fissile gram equivalent
FSN	file sequence number
g	gram
GCD	Greater Confinement Disposal
GCO	Generator Certification Official
HBL	HB-Line
HEPA	High Efficiency Particulate Air
HLW	high-level waste
HWN	Hazardous Waste Number
INL	Idaho National Laboratory
kg	kilogram
LANL	Los Alamos National Laboratory
LAP	low assay plutonium
LDR	land disposal restriction
LLW	Low-Level Waste
LWA	WIPP Land Withdrawal Act
M	molar
MEK	Methyl ethyl Ketone
m^3	cubic meters
mg/L	Milligrams per liter
ml	milliliters
MSDS	Material Safety Data Sheets
MTRU	mixed transuranic

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

MWG	Milliwatt Generator
nCi/g	nanocuries per gram
NASA	National Aeronautics and Space Administration
NDA	nondestructive assay
NDE	nondestructive examination
NWPA	*Nuclear Waste Policy Act of 1982*
OSR	Operational Safety Requirement
PCBs	polychlorinated biphenyls
PCE	perchloroethylene
PE-Ci	Pu-239 equivalent curies
PPE	personal protective equipment
ppm	parts per million
PVC	Polyvinyl Chloride
QA	quality assurance
QAO	Quality Assurance Objective
RCRA	Resource Conservation and Recovery Act
RH	remote-handled
RH-TRUCON	RH TRU Waste Content Code
RTG	radioisotope thermoelectric generators
RWBG	Radioactive Waste Burial Ground
SARs	Safety Analysis Reports
SRS	Savannah River Site
SWD	Solid Waste Division
SWDF	Solid Waste Disposal Facility
SWM	Solid Waste Management
SWMF	Solid Waste Management Facility
TBP	tributyl phosphate
TC	toxicity characteristic
TCA	trichloroethane
TCE	trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
TRU	transuranic
TRUCON	TRUPACT-II Content Code
TWBIR	Transuranic Waste Baseline Inventory Report
TWCC	Transuranic Waste Container Characterization
TWPD	TRU Waste Package Data
vol%	volume percent
Waste ID	Waste Identification (Slip)
WCPIP	*Remote-Handled TRU Waste Characterization Program Implementation Plan*
WDS	WIPP Waste Data System
WG	weapons-grade

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

WIPP-WAC	*Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
WIPP	Waste Isolation Pilot Plant
WIPP-WAP	*WIPP Hazardous Waste Facility Permit, Waste Analysis Plan*
WMC	Waste Management Complex
WMP	Waste Material Parameter
WSRC	Westinghouse Savannah River Company
wt%	weight percent

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) Summary Report has been prepared for the Central Characterization Program (CCP) for remote-handled (RH) transuranic (TRU) waste generated from the HB-Line (HBL) and the H-Canyon at the Savannah River Site (SRS). This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 3), to implement the AK requirements of DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) (Reference 1); *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 2); and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 10).

The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 4). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 12). Additionally, this report provides the AK information required by CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC) (Reference 19).

The CCP is tasked with certification of TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP). The CCP is responsible for collection, review and management of AK documentation in accordance with CCP-TP-005 (Reference 3), and reviews and approves this AK Summary Report. CCP maintains responsibility for this AK Summary Report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the "historical source documents" as non-QA records.

The TRU wastes generated by operations at the F&H Canyon Facilities are currently stored at the U.S. Department of Energy (DOE) SRS site. Waste Stream SR-RH-221H.01 consists of RH TRU debris generated by the H-Canyon, HBL which was used to convert radioactive materials (e.g., Np-237 and Pu-238) to solid neptunium and plutonium oxides. The HBL also dissolves solid scrap material from on and off-site. The corresponding contact handled (CH) debris waste stream (SR-W027-221H-HET) to RH waste stream SR-RH-221H.01 is described in CCP-AK-SRS-4, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM* (Reference 14). Waste stream SR-RH-221H.02 consisting of Berl saddles (also known as Beryl saddles) from the H-Canyon dissolver off-gas system currently has no companion CH waste stream.

This AK Summary Report, along with the referenced supporting documentation, provides a defensible and auditable record of the AK for the RH waste streams resulting from the operations at the H-Canyon. The references and AK sources used to prepare

this report are listed in Sections 9.0 and 10.0. The AK sources are referenced within this report by an alphanumeric designator (e.g., C001, D001, DR001, M001, and P001), corresponding to a unique CCP Source Document Tracking Number.

This AK report includes information relating to the facility's history, mission, process operations, waste identification, characterization and waste management practices. Information contained in this report was obtained from numerous sources, including facility safety basis documentation, historical document archives, generator and storage facility waste records and documents, interviews with cognizant personnel, and program/process documents (i.e., plans, procedures, etc).

This report and supporting source documentation provide the mandatory waste program and waste stream-specific information required by of the WIPP-WAP (Reference 2). This report also compiles data relevant to the applicable U.S. Environmental Protection Agency (EPA) requirements and presents the documentation necessary to satisfy each WCPIP Data Quality Objective (DQO) and Quality Assurance Objective (QAO) for RH TRU waste streams (Reference 1).

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored:

Savannah River Site
Post Office Box 616
Aiken, SC, 29802
EPA Identification Number SC1890008989

Facility Mission:

The primary mission of the H-Canyon, HBL is to receive chemically separated solutions of radioactive materials (e.g., Np-237 and Pu-238) from the H-Canyon facility and convert them to solid neptunium and plutonium oxides (Reference D052). HBL also dissolves solid scrap material from on and off-site.

Although much of the information related to products from HBL is classified, it can be said that the SRS mission meets the criteria of an atomic energy defense activity (i.e., defense nuclear materials production). Radioactive material produced in the HBL was transferred from HBL to numerous sites within the DOE complex, (e.g., Lawrence Livermore National Laboratory, Los Alamos Scientific Laboratory, Mound Laboratory, Oak Ridge National Laboratory, and others) where it was used in various initiatives and projects. Scrap material from these facilities was returned to HBL Scrap Recovery for recycle (References C091, C116, C152, M073, M082, M094, M095, M096). Off-site facilities that returned scrap material to the SRS are Los Alamos National Laboratory (LANL), Mound Laboratory, Allied-General Nuclear Services, National Institute of Standards Technology, General Sciences, U.S. Department of Defense (DOD), and Knolls Atomic Power Laboratory. Scrap material came to the Central Scrap Management Office at SRS. One memo from Mound stated that all material shipped to SRS on Scrap Declarations was produced at SRS or Hanford. This included some enriched uranium/plutonium scrap from Hanford and possibly from Argonne National Laboratory-East. Recovered uranium cycled between SRS and Oak Ridge. Scrap material also came from the SRS F-Area Material Storage Facility (FAMS). Refer to Section 4.3 for additional information on the Facility Mission.

2.1 Waste Stream SR-RH-221H.01

Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris
Waste Matrix Code:	S5400 – Heterogeneous
RH TRU Waste Content Code (RH-TRUCON):	SR321, SR322, and SR325

Annual Transuranic Waste Inventory Report Identification Numbers: SR-RH-221H.01

Waste Stream Description:

Waste stream SR-RH-221H.01 includes dry heterogeneous organic and inorganic debris. The organic debris includes plastic (e.g., bottles), bags, personal protective equipment (PPE) (e.g., gloves, shoe covers, lab coats, plastic suits), plexiglas, wipes, labware, cardboard, wood, absorbed oil, paper, and other job control type waste. "Job control" waste generally consists of paper, cloth, wood, plastic, rubber, glass, ceramic, and metal. The waste may also include small amounts of inorganic debris such as metal components (e.g., hand tools, motors, small equipment), metal hardware and fittings, sealed sources, crucibles, glass, floor sweepings, and absorbent materials. In addition, small quantities of poly bottles (100-milliliters [ml], 500-ml, 2-liter) containing immobilized liquids (e.g., absorbed acids and organic liquids) are also present. Examples of container-specific waste items described on generator and packaging forms:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners
- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as HEPA filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Waste stream SR-RH-221H.01 is comprised primarily of organic and inorganic debris materials. Therefore, Waste Matrix Code S5400, Heterogeneous Debris, is assigned to this waste stream. This waste stream could also contain 100-ml, 500-ml, and 2-liter poly bottles containing liquids (e.g., absorbed acids and organic liquids) that have been immobilized using absorbent products; however, no individual drum will contain greater than 50 percent homogeneous solids. Refer to Section 5.4.1.1 for the Waste Matrix Code evaluation.

Based on the radiological characterization of the corresponding CH waste stream, waste from this RH stream is contaminated primarily with thorium, uranium, plutonium, and neptunium isotopes consisting of the following radioisotopes and corresponding weight percent (wt%) distribution: Pu-238 (8.12%), Pu-239 (5.41%), Pu-240 (0.41%), Pu-241 (0.15%), Pu-242 (0.02%), U-233 (0.04%), U-234 (3.94%), U-235 (2.88%), U-238 (18.53%), Th-232 (57.17%), and Np-237 (3.16%). Further radiological characterization information is described in Section 5.4.2.

This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA)-regulated constituents and is assigned the following EPA Hazardous Waste Numbers (HWNs) D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F005, and U133. Refer to Section 5.4.3 for the waste stream chemical content evaluation.

As described in Section 5.5, waste items were generally bagged out of cabinets, transferred to a container for assaying, then placed into a storage container like a 55-gallon drum. During the 1970s, waste from HBL was double-bagged and then placed in a plastic bag lined 5-gallon pail. Liners were placed in steel drums and were loaded from accumulated waste packages. When the drum was filled, the plastic bag was closed, taped, and folded down inside of the liner. Liner lids were sealed and marked with the Radioactive Solid Waste Burial Ground Record (BGR) number and then the drum was then sealed. From the early 1980s on, bags removed from a cabinet were to be twisted and taped (into a horsetail or J-wrap or fold-and-taped and placed into three additional plastic bags that were individually sealed with tape. Waste was bagged out of the lines in 5-gallon cans or a 30-gallon gray tub so that they could be assayed. Five-gallon pails could possibly have been placed directly into drum liners or first placed inside of another waste package layer. Analysis of early packaging procedures exhibit a maximum of six confinement layers: 1-2) double bagging in cabinet (ex: absorbed liquids), 3-5) number of additional sealed bags prior to placement in pail/can for assay, and 6) sealed plastic bag lining can/pail that is placed into a drum liner. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without a lid.

Prohibited items are addressed in Section 5.4.5. Pyrophorics, explosives, compressed gas cylinders, and free liquids are not expected in waste stream SR-RH-221H.01. However, prohibited free liquids, containerized liquids, impenetrable objects, and sealed containers greater than four liters have been identified during characterization of the corresponding CH waste stream. Any prohibited items identified during radiography will be processed to correct the deficiency prior to shipment to WIPP (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers).

Waste stream SR-RH-221H.01 meets the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (HBL facility operations associated maintenance and deactivation operations).

2.2 Waste Stream SR-RH-221H.02

Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris
Waste Matrix Code:	S5400 – Heterogeneous Debris
RH-TRUCON:	SR321
ATWIR Identification Numbers:	None

Waste Stream Description:

Waste stream SR-RH-221H.02 was generated during the removal of silver coated Berl saddles (also known as Beryl saddles) from the H-Canyon dissolver off-gas system (see Section 4.7 and 6.3). Waste stream SR-RH-221H.02 is comprised of spent Berl saddles. The current inventory of RH containers included in this waste stream consists only of Berl saddles with plastic bags and plastic sheets packaged in two casks. A single Berl saddle is approximately 0.5-inches wide and 0.7-inches in length and is composed primarily of silicon dioxide and aluminum oxide.

Based on the evaluation of the materials contained in this waste stream and information recorded by the generator on the 29-90 forms, this waste stream is comprised of silver coated ceramic Berl saddles. Additionally, the generator estimated the contents of containers in this waste stream to include 27 percent by weight plastic bags and plastic sheeting material. Repackaging or remediation of waste currently contained in casks could result in drums containing secondary waste from repackaging operations. The waste stream estimate does not exceed 80 percent by weight of either inorganic or organic materials. Therefore, the waste stream is assigned Waste Matrix Code S5400.

Waste Matrix Code S5400 is assigned to debris wastes that do not meet the definition of S5100 (Inorganic Debris) or S5300 (Organic Debris) (Refer to Section 6.4.1.1).

Waste from this stream is contaminated primarily with uranium, plutonium, neptunium, and fission and activation product isotopes. Further radiological characterization information is described in Section 6.4.2. Based on limited data and assumptions documented in site characterization records, SRS determined H-Canyon Berl saddles should be managed as RH TRU waste.

This waste stream was determined to contain RCRA-regulated constituents and is assigned the following EPA HWNs: D007, D009, and D011. Refer to Section 6.4.3 for the waste stream chemical content evaluation.

No prohibited items are anticipated to have been packaged into this waste stream; however, prohibited items have been identified in debris waste streams from HBL, including prohibited liquids, aerosol cans, and sealed containers greater than four liters. If prohibited items are encountered during radiography, these items will be removed from the containers or remediated (Refer to Section 6.4.5).

As described in Section 6.5, the waste is currently packaged in two casks weighing 25,855 pound each. The tare weight for the casks recorded on the 29-90 forms is 23,000 pounds each. Berl saddles packaged in casks will be repackaged into 55-gallon drums. Waste that requires repacking or remediation is typically repackaged into new 55-gallon drums. Remediated/ repackaged waste may be packaged into a 55-gallon drum with a single vented drum bag and one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a polyethylene rigid liner without lid.

Waste stream SR-RH-221H.02 meets the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (removal of Berl saddles from the H-Canyon dissolver off-gas system).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. Development of knowledge of the waste materials and processes that generate and control the waste is required to provide a clear and convincing argument about the characteristics of each waste stream. The AK characterization documented herein complies with the requirements of the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) and was developed in accordance with CCP-PO-001. The WCPIP identifies waste characterization requirements and methods to satisfy requirements in:

- 40 Code of Federal Regulations (CFR) Part 191, *Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes* (Reference 5)
- 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR 191 Disposal Regulations* (Reference 6)
- *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision* (Reference 7)
- Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (LWA) (Reference 8).

A majority of the AK sources used for development of this report were originally collected by CCP for the corresponding CH debris waste stream from the HBL facility (Reference 14). Documentation from HBL facility and SRS TRU Waste Certification Program documentation effective during the period of waste generation were used, as were facility-specific safety analysis reports (SARs), facility technical reports, waste characterization plans, TRU Waste Package Data (TWPD) forms, Transuranic Waste Container Characterization (TWCC) ("29-90") forms, Burial Ground Records, Material Safety Data Sheets (MSDS), site and facility procedures, site databases, and information from facility personnel, as well as other documents. Specific revisions of controlling documentation in effect during generation and processing of HBL waste were obtained and used where available.

The references and AK sources used to prepare this report are listed in Sections 9.0 and 10.0, respectively. The AK sources referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, and P001) correspond to the Source Document Tracking Number using the following convention:

- C – Correspondence (e.g., memoranda, letters, e-mail, interviews)
- D – Documents (e.g., published reports)
- DR – AK Discrepancy Reports
- M – Miscellaneous Documentation
- P – Procedures

4.0 REQUIRED PROGRAM INFORMATION

This section presents the mandatory TRU waste program information required by the WIPP-WAP and the WCPIP for waste streams SR-RH-221H.01 and SR-RH-221H.02 (References 1 and 2). This section provides a description of the facility and operations associated with the generation and storage of the HBL RH waste at SRS Included is a description of the facilities, defense determination, and descriptions of the operations associated with the generation of waste streams SR-RH-221H.01 and SR-RH-221H.02.

4.1 Facility Location

SRS is located in southwestern South Carolina on an approximately circular tract of about 300 square miles and occupies parts of Aiken, Barnwell, and Allendale counties (References D034, D052, M054). The H-Canyon separations facility in H-Area is located near the center of the SRS. It is the principal chemical unit in this area and contains a remotely serviced and operated Canyon Facility and the directly serviced and operated HB-Line Recovery and Finishing Facility. Maps denoting the location of the site, H-Area, and the HBL Facility within H-Area are included in Figure 1, Savannah River Site Geographic Location, Figure 2, Location of the 200-H Area and Burial Ground Within Savannah River Site, and Figure 3, Savannah River Site E-Area Map.

4.2 Facility Description

H-Canyon is a Class I, reinforced concrete, blast-resistant structure. The primary function of H-Canyon is the chemical separation of specific isotopes from irradiated reactor material. The chemical separations operations are conducted in two parallel canyons in the H-Canyon facility designated the Hot Canyon and Warm Canyon. The H-Canyon facility also contains the plutonium and neptunium finishing facilities known as HBL (Reference D052).

Historically, the HBL facility has operated in both the Old HB-Line (until 1984) and the New HB-Line (from 1985 to present) (References D003, D004, D027, D056). These operations are located at the H-Canyon facility in the 200-H Separations Area.

The Radioactive Waste Burial Ground (RWBG)/Solid Waste Management Facility (SWMF) consists of two burial grounds: Old Burial Ground, active from 1953 to 1972 and occupying 76 acres (Reference D044); and the Solid Waste Disposal Facility (SWDF), opened in 1974 and occupying 119 acres (References D016, D030).

Processing equipment in the HBL facility is enclosed in either cabinets or gloveboxes to minimize the spread of radiological contamination (References D004, D005, D027, D058, D067, D092). The enclosures are constructed of stainless-steel with welded joints. To further aid with efforts to prevent the spread of contamination, the HBL is designed to provide an operating side and a maintenance side. Major pieces of equipment are located near the maintenance side of the process enclosure. In some

cases, equipment is located inside enclosures called "wing cabinets" which protrude into the Maintenance Room (References D003, D052). Any breach of radiological containment for maintenance is conducted from the maintenance side of the line. When such a breach is necessary, a temporary enclosure (hut) is made of sheet plastic material to surround the cabinet or glovebox panel to be removed (Reference C038). The hut permits ingress/egress to the process enclosure while still confining radiological contamination. Airflow patterns are cascaded to direct flow from non-contaminated areas of the facility to those progressively more contaminated. That is, from personnel corridors to operations areas to maintenance rooms to process enclosures (cabinets/gloveboxes), then eventually through the facilities filtered exhaust system (Reference D058).

4.2.1 Old HB-Line

This area of the H-Canyon structure was referred to as Old HB-Line. Old HB-Line was located on the third and fourth levels of the canyon building and operated from 1963 to 1983 producing radioisotopic heat source Pu-238 (References D004, D027, D116). The Old HB-Lines main function was dissolution of scrap materials for recovery and conversion of feed solutions from H-Canyon into plutonium and neptunium oxides (References D052, D058). Three independent operations, Neptunium Oxide, Plutonium Oxide, and Scrap Recovery, were incorporated into HBL and are briefly described below (Reference D052, M069):

- The Neptunium Oxide Process converted Np-237 solutions received from F- and H-Areas into Np-237 dioxide product.
- The Plutonium Oxide Process converted Pu-238 solutions into a plutonium dioxide product.
- The Scrap Recovery Process recovered U-233, U-235, Pu-238, Pu-239, and Np-237 from local and off-site scrap.

Process operations in the Old HB-Line were permanently suspended in 1983, with decommissioning and deactivation activities commencing in 1984 (References D004, D027, D058). Some process equipment from the Old HB-Line was not decommissioned and continues to be used as part of the New HB-Line Phase II processing (References D003, D058) as described in Section 4.7.2.

The Old HB-Line facility contained both shielded and unshielded tanks, transfer lines, glovebox enclosed precipitation and furnace stations, material transfer, and waste treatment and packaging stations. The facility processed Np-237, Pu-239, U-233, U-235, and Pu-238 (Reference M069).

Process Cabinets/Gloveboxes

Solutions, powders, and process equipment, such as dissolvers and tanks, were enclosed in ventilated cabinets to prevent the spread of radioactive materials. Cabinets were kept at slightly reduced pressure compared to the process rooms to ensure that any air leakage was into the cabinet and not out into the surrounding room. The cabinets were generally fabricated by covering a steel frame with clear acrylic, clear polycarbonate, glass, or stainless-steel panels. The process cabinets were of two types: dry cabinets and wet cabinets. Solid materials, such as precipitates and powders, were processed in dry cabinets, which were sealed to ensure containment of fine particles. Solutions were processed in wet cabinets. Wet cabinets were not generally sealed because the solution tanks provided the primary containment. Dry cabinets were ventilated with filtered room air, and wet cabinets were ventilated with nonfiltered room air. Glove ports were provided in many cabinet-face panels to permit manual operations and repairs. Bag ports were provided to permit transfer of materials in and out of the cabinets (References D052, D058).

Radioactive solutions were transferred between cabinets in process pipes enclosed in stainless-steel ducts. On horizontal runs, the tops of the ducts were acrylic or polycarbonate to aid in visually locating leaks. High-level alarms were positioned at convenient low points to which the liquid might drain. To prevent liquid from flowing to other low points, dams were placed in the ducts (Reference D052).

Moveable platforms were used to enable Operators to reach valve handles and samplers. The catwalk could be moved out of the way when the cabinet was opened for maintenance. Some of the cabinets that faced the room were shielded with lead panels. The cabinet sump was constructed of Type 304L stainless-steel welded to the cabinet frame (Reference D052).

Shielding was provided in front of each anion-exchange column. The shielding consisted of lead sheets mounted in stainless-steel frames (Reference D052).

4.2.2 New HB-Line

The New HB-Line, located on the fifth and sixth levels of H-Canyon, was designed to replace the aging Old HB-Line production facility (References D003, D056, D116). Built in the early 1980s in part of the H-Canyon Building, HBL is also a large, reinforced concrete structure. New HB-Line consists of the following (References D005, D005A, D050, D052, D058, D067, D092):

- Scrap Recovery Facility (Phase I)
- Neptunium Oxide Facility (Phase II)
- Plutonium Oxide Facility (Phase III)

- Waste Handling Facility, which was converted to an analytical laboratory operating since 1991 (References C105, D005)
- An office building
- Areas for support processing and service equipment

The facilities are described in greater detail in Section 4.7.

Primary operating equipment within the New HB-Line is designed and fabricated of corrosion resistant material depending on the operation and corrosive(s) being contacted. Most materials of construction are Type 304L stainless-steel. Plastics, precious metals, and special alloys such as Hastelloy® and Inconel® are used in locations where warranted by service conditions (References D003, D052). A description of individual pieces of major process equipment is presented below.

Gloveboxes

Phase I consists of two parallel glovebox lines that are mirror images of each other with operating sides facing outward and maintenance sides facing inward. Each line consists of three glovebox sections, a product entry station, and four wing cabinets. Glovebox sections contain the charge preparation areas, valves, product filters, most of the piping, and other miscellaneous equipment. The wing cabinets contain the dissolvers, filtrate tank, and product hold tanks; and along with the entry hood, protrude from the glovebox lines into the maintenance area. Radiation shielding generally consists of water jackets, lead on the gloveboxes, and cabinet windows layered with plate glass, Plexiglass G®, and leaded glass. The dissolver and product transfer glovebox contain only lead shielding with leaded glass on the window (References D003, D058).

Phase II consists of two glovebox lines with eight gloveboxes, two wing cabinets, four operating areas, two maintenance areas, and two bag-out rooms. These lines provide different functions, with the operating sides facing outward and the maintenance sides facing inward. The glovebox sections contain valves, product filters, ion-exchange columns, piping, and other miscellaneous equipment. The wing cabinets are parallel to the glovebox lines in the maintenance areas and contain filtrate tanks, precipitators, concentrate tanks, and recycle tanks. Radiation shielding generally consists of lead on the gloveboxes and leaded glass windows. The plutonium resin column cabinets require water jackets and lead; plexiglass and leaded glass are used in the windows (Reference D058).

Phase III houses only one glovebox line. Shielding is very similar to Phase I and generally consists of lead on the gloveboxes and acrylic/leaded glass windows (References D003, D056, D058).

The Waste Handling Facility includes the Analytical Laboratory with lab gloveboxes and a waste handling cabinet consisting of a glovebox line containing waste handling equipment (Reference D058).

Process Vessels

The process vessels in Phase I, Phase II, and Phase III are constructed of Type 304L stainless-steel. Process vessels include: dissolvers, product filters, product hold tanks filtrate tanks, sump and sump draw-off tank (References D003, D058).

Process vessels for Phase II include: product receipt and adjustment tanks, sump draw-off tanks, column feed tanks, resin columns, concentrate tanks, recycle tanks, precipitator feed adjustment tanks, precipitators, filters, filter boat station, filtrate tanks, spent resin catch tanks, and calcination furnaces (Reference D058).

Process vessels for Phase III include: product receipt and adjustment tanks, precipitators, filter station assembly, two filtrate tanks, and calcinations furnaces (References D003, D056, D058).

Process vessels in other areas of New HB-Line are as follows: feed receipt tanks and sump draw-off tanks; the Waste Handling Facility consists of two liquid waste storage tanks (Reference D058).

Air Jets

Air jets, instead of vacuum pumps, are used to create the vacuum required for process transfers. An air jet is a venture-like tube through which air is passed to create a vacuum in a line connecting at the side of the tube (References D003, D058).

Eductors

For Phase I, transfers of product from the hold tanks to the canyon are made with another jetting device called an eductor. The eductor's operation is similar to the air jet; however the motive fluid for the eductor is dilute nitric acid (References D003, D058).

Miscellaneous Equipment

The following equipment is located in the Calorimetry Room: Twin water bath calorimeters, analytical balance and vibration stand, and instruments providing electronic data collection and controls for the calorimeters. There is a welding machine, located in the welding room of Phase III, which consists of several individual pieces of equipment (Reference D056).

4.3 Facility Mission

The primary mission of the SRS has been to support national security as a major source of reactor-produced materials, primarily tritium, plutonium, heavy water (deuterium), and other special nuclear materials for weapons manufacturing. The mission was broadened over the years to include the production of other radionuclides, such as Np-237 and Pu-238 (References D034, P004).

At a presentation for the EPA in November 1993, dismantlement and decontamination (D&D) of the Old HB-Line was discussed and facility production campaigns were described as follows: from 1954-1956, Pu-239; from 1961-1984, NpO_2 production, as well as U-233, U-236, low assay Pu-238, and Pu-239; 1965-1984, Pu-238 Oxide; and 1972-1984, Scrap Recovery (Reference M021). These campaigns are described in more detail below.

Beginning as early as 1954, the Old HB-Line produced Pu-239 for use in the assembly of atomic weapons (References C091, M021). By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. Throughout the 1970s, 1980s, and 1990s, Pu-238 was used for both defense mission and nondefense applications such as the space program (References C091, C098, C152). Generally though, much of the Pu-238 material produced at HBL was used for national defense applications. New HB-Line began operations by recovering some Pu-238 that was used in Navy diving suits. This material originated from the Old HB-Line (Reference C105). In 2004, neptunium processing started up again in Phase II to convert neptunium solutions into an oxide. The oxide is shipped to the Idaho National Laboratory (INL) for eventual use in space power systems that will support both space and national security missions (References D109, D111, D112, D113, M131).

Although most of the material produced since 1972 went to the FAMS and/or space programs (including the Multi Hundred Watt program), the original mission in Phase III was to produce defense-related Pu-238 for LANL (Reference D005). From 1979 through 1997, Pu-238 oxide supplied by SRS was processed at LANL for development tasks, heat source fabrication for the Milliwatt Generator (MWG) Program, and National Aeronautics and Space Administration (NASA) (References C116, D046, D051, D080). From 1981 to 1990, many MWG heat sources were fabricated at LANL for assembly into the MWG-radioisotope thermoelectric generators (RTGs). The battery-like RTGs provide power for permissive-action links, a family of devices that reduce the possibility of obtaining detonation from a nuclear warhead (References D046, D051). The United States military's need for a rugged reliable power source with a long life was met with the RTG.

According to one individual who worked in Separations Technology in the 1970s, Pu-238 material was used by the Army, Navy, and others and that a lot of Pu-238 did find use in military applications (Reference C098).

HBL processes also related to providing material for NASA (References D004, M021, M022) included dissolving Pu-238 material received from foreign countries in Phase I and processing through Cassini at SRS in Phase III, and then to Idaho, Mound and LANL where they were used to fabricate generators (References C105, C152). Historically, reactors at SRS produced all of the U.S. Pu-238 until the late 1980s.

Other materials used for defense missions and processed in HBL include: U-233, Pu-242, Np-237. In addition, U-233 material was sent to Oak Ridge National Laboratory in about 1970 to be used for a defense-related campaign for Admiral Rickover (Reference C098). There was a 1980 Pu-242 campaign that was defense-related (References C098, D043).

Np-237 that went to Rocky Flats from 1977 to 1984 was used for a defense mission (Reference M094).

Many of the processes at HBL have been described as related to defense nuclear materials production (Reference C091). That function alone would identify the waste from HBL as coming from an atomic energy defense activity (Reference 7). It also seems evident that any TRU waste resulting from the management of weapons-grade (WG) material and from heat-source Pu-238 material was not segregated and, therefore, was commingled during processing in the HBL cabinets and gloveboxes. According to one HBL subject matter expert, there were no distinctions made between heat source materials produced for space versus defense materials. For example, Pu-239 material that was reworked in Phase I Scrap Recovery may have been defense-related because FB-Line Pu-239 sweepings that were worked in 1985 and 2001 were known to be defense related (the mission of FB-Line was solely to produce WG plutonium for weapons applications, and this activity was by-products management) (Reference C105). Also, the waste would have been commingled because there was no distinction made as to whether the material came from defense or non-defense applications, as in the case of scrap material returned from several sources (Reference C091). Phase I continued to process FB-Line defense materials in 2006 to support deactivation of that facility (Reference D113).

4.4 Defense Waste Assessment

WIPP requires generator sites to use AK to document that TRU waste streams to be disposed at WIPP meet the definition of TRU defense waste. TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one of the atomic energy defense activities listed in Section 10101(3) of the *Nuclear Waste Policy Act of 1982* (NWPA) (Reference 9). The primary mission of the Old HB-Line, beginning as early as 1954, was to produce Pu-239 for use in the assembly of atomic weapons

(References C091, M021). By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. Based on the review of AK, there is sufficient evidence to demonstrate that TRU wastes generated by HBL operations are contaminated with materials from defense materials productions and defense research and development.

4.5 High-Level Waste and Spent Nuclear Fuel Assessment

The LWA (Reference 8), bans the disposal of spent nuclear fuel and high-level waste (HLW), as defined by the NWPA (Reference 9), at WIPP. According to the NWPA, spent nuclear fuel is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing. The DOE M 435.1-1, *Radioactive Waste Management Manual* (Reference 18) expands on this definition to clarify that "Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." "HLW" is defined by the NWPA as, "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation."

HBL received chemically separated solutions of radioactive materials (e.g., Np-237 and Pu-238) from the H-Canyon facility and converted them to solid neptunium and plutonium oxides (Reference D052). There were several sources for the material received in H-Canyon including spent nuclear fuel so the processing of this material in H-Canyon did produce HLW; however, the solution received in HBL no longer contained the highly radioactive fission products. Therefore, waste steam SR-RH-221H.01 is not spent nuclear fuel or HLW and is eligible for disposal at WIPP (Reference 12). Although H-Canyon generated high-level waste, the Berl saddles included in waste stream SR-RH-221H.02 are not considered high-level waste. DOE manual 435.1-1 indicates that wastes produced upstream of the separation processes, from such operations as chemical or mechanical decladding, fuel dissolution, or cladding separations are not high-level waste (Reference 18).

4.6 RH TRU Waste Management

Beginning in 1965, waste packages with alpha activity <0.1 curies (Ci) were placed in alpha-designated trenches beneath earthen cover (References C069, D010, D013, M028, P057), while waste with >0.1 Ci per package was placed in retrievable storage culverts (See Figure 4, History of SRS Waste Management Practices) (References

M028, P046). During the 1970s, the procedures DPSOP-40 (Reference P057) and DPSOL 241-FH-40 (Reference P056) contained directions for generator site and waste management personnel to complete BGRs, on which volume, isotopic quantity, and description was entered. All drums were required to be labeled and assayed. To ensure traceability to the generating facility and corresponding characterization, drums were assigned a unique file sequence number (FSN). This number appears on each of the forms and on a die-stamped stainless-steel or aluminum write-on tag attached by wire to each drum or in each drum (References C075, P050, P054, P056).

TRU waste generated between December 1972 and March 1986 was managed by the Separations Department (and later Waste Management) (References D010, P057) within E.I. DuPont de Nemours and Company, the SRS management and operations contractor at the time. The Separations Department managed and controlled the operation and security of the RWBG/SWMF and maintained permanent records and maps in order to inventory, locate, and identify stored waste (References D011, D013, D016, D018, D030, P057).

In about 1974, SRS further segregated and identified waste according to activity level and combustibility. TRU waste, including classified waste (Reference P062), with alpha activity >10 nanocuries per gram (nCi/g) and >0.1 Ci per package was placed in retrievable storage in response to U.S. Atomic Energy Commission (AEC) directives (References C054, D031, M028). Also, in 1974, drums estimated to contain greater than 0.5 Ci were placed inside concrete culverts (References C063, C079, D009, M028, P051, P054). Prior to 1974, the criterion was 0.1 Ci/drum (References C069, D010, M028, P057). Each culvert used for higher activity concentration drum storage held up to 14 55-gallon drums (Reference D014). The containers of waste (culverts and drums) were ultimately placed on sloped concrete pads (TRU pads No. 2-5) and one asphalt pad (pad No. 1), which were covered with approximately four feet of soil. These were referred to as "mounded pads" (References M037, M055). The containers were intended to remain on the pad until retrieved for processing and disposal at WIPP (References C048, D012, D018, D026, D029).

The practice of mounding over TRU waste pads was discontinued in 1985 (References C050, C058). Waste generated since 1986 is stored on concrete pads (TRU pads No. 6-19) without being covered with soils (References M040, M047, M055).

The DOE Savannah River Operations Office approved DOE Order 5820.2 in November, 1985 (Reference C077). This action changed the definition of TRU waste at SRS. Waste Management planned to dispose/store TRU contaminated waste as follows:

1) < 10 nCi/g – continue the practice of trench burial

2) 10 – 100 nCi/g – Greater Confinement Disposal (GCD)

3) > 100 nCi/g – above ground retrievable storage

It should be noted that the plan to use GCD for disposal of 10 – 100 nCi/g waste was not implemented. The waste disposed in GCD was low-level waste and was not managed as TRU waste (References C134, C165, D020).

TRU waste at SRS' HBL Facility was generated from radiochemical, analytical laboratory, and research activities (References D027, D031). Prior to initiation of a TRU waste certification program in early 1986 and placement on RCRA Interim Status in May 1987, SRS managed the generation of TRU wastes using administrative controls (i.e., procedures and training) developed according to AEC and DOE guidance and directives, including DOE Orders 5820.1 and 5820.2, *Radioactive Waste Management* (References D037, D038). During this time period, from 1981 to May 1987, SRS managed TRU waste to minimize safety concerns and to meet the proposed requirements of the WIPP (References D018, D026). The quantity of plutonium in each waste container was tracked to address criticality concerns and heat generation from radiological decay (References C014, C040, C045, C046, C047, D075). The presence of liquid and incompatible chemicals was also tracked at this time. Knowledge of the characteristics of the waste generated during this period, "were based on contemporaneous descriptions of the generators' processes, since the processes had remained unchanged over the years." Because the waste streams of the generators were not characterized for RCRA listed HWNs prior to 1986, SRS conservatively assumed that the solid waste generated during this period was all mixed, because it, "was contaminated with all of the hazardous constituents present in given generator processes or construction activities." SRS identified that, "the hazardous characteristics of the waste were limited to toxicity, acutely hazardous, and toxic waste, as defined by the South Carolina Hazardous Waste Management Regulations R.61.79.264.24" (Reference D018).

4.6.1 Types and Quantity of TRU Waste Generated

Waste stream SR-RH-221H.01 currently consists of 15 55-gallon drums (3.1 cubic meters [m^3] of dry heterogenous organic and inorganic debris waste resulting from glovebox operations, material characterization and re-packaging, decontamination and removal (D&R), decommissioning, housekeeping, maintenance, and construction activities in 221-H, HBL. This RH waste stream corresponds with and was originally included in CH waste stream SR-W027-221H-HET, consisting of approximately 7,700 containers. Additional containers from the companion CH waste stream determined to be RH waste will be included in this waste stream (References 14, C197, M169).

Waste stream SR-RH-221H.02 currently consists of two concrete shielded casks (5.7 m^3) of silver-coated Berl saddles generated in 1989 from the dissolver off-gas system in the H-Canyon. Even though no additional Berl saddle waste is expected to be generated following repackaging of the existing inventory, additional H-Canyon Berl saddle waste (e.g., secondary waste from repackaging) determined to be RH waste will be included in this waste stream (References C219, M183).

4.6.2 Correlation of Waste Streams Generated from the Same Building and Process

Waste stream SR-RH-221H.01 consists of debris from operations, decontamination, housekeeping, maintenance, and construction activities in the HBL. This RH waste stream was part of the CH waste stream identified by DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011* as waste stream identification number SR-W027-221H-HET (CH heterogeneous debris). The ATWIR identifies the RH waste as waste stream SR-RH-221H.01 (Reference 15).

Waste stream SR-RH-221H.02 consists of ceramic Berl saddles from the H-Canyon dissolver off-gas system in the HBL. The ATWIR does not specifically identify this waste stream and identifies SR-RH-221H.02 as RH TRU High Efficiency Particulate (HEPA) filters from the HBL (Reference 15).

The RH and CH waste streams above are also related to HBL waste streams SR-W027-221-HEPA (CH HEPA filters), SR-W027-221H-HET-C (CH heterogeneous debris without listed solvents), SR-W027-221-HET-D (CH heterogeneous debris and cemented scrap), SR-W027-221H-HOM (CH absorbed liquids), and SR-W027-HBL-Box (CH boxed D&R waste and equipment) (References 14, 15).

The SRS container documentation and supporting AK documentation were reviewed for each container to verify the physical composition and origin of the waste stream inventory. It was determined that containers included waste streams SR-RH-221H.01 and SR-RH-221H.02 were generated in the HBL. The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity (Reference 2). The WCPIP definition also includes that the materials in a waste stream must have similar radiological properties (Reference 1). Based on a review of the AK record and SRS waste management practices, the TRU waste streams (debris and Berl saddles) generated by the operations described in Section 4.7 (HBL operations and associated maintenance and deactivation operations) were segregated to be managed as corresponding RH and CH waste streams based on the WIPP-WAP and WCPIP waste stream definitions (References M169, M183).

4.6.3 Waste Stream Identification, Categorization, and Delineation

Management of TRU waste from the HBL facility was achieved as directed by procedures designed to ensure accurate characterization and identification of waste at the point of generation (References P003, P007, P007A, P014, P018, P023, P026, P042, P045, P047, P048, P054, P055, P056, P057, P058, P059, P063, P064, P067, P069, P073, P088, P089, P091, P093, P094). The procedures used during generation of these waste streams directed facility personnel to ensure storage in accordance with the SRS Solid Waste Division (SWD) WAC and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference D079) in effect at the time of waste packaging, if any. In 1973, the AEC required that all TRU waste generated from its sites segregate combustibles from

non-combustibles (Reference D035). Drums were to be labeled as "COMBUSTIBLE" or "NONCOMBUSTIBLE" according to packaging procedures (References P054, P056). The burial ground Technical Standard required combustible and non-combustible TRU waste to be stored in separate containers. Further, it was recommended that drums stored in culverts (i.e., > 0.5 Ci) should be segregated into combustible or non-combustible culverts (Reference C086). Typical TRU solid waste materials included (Reference M030):

Combustible	Non-combustible
Paper	Filters (HEPA)
Wipes	Filters, Canister
Cloth Rags, Uniforms	Glassware, Ceramics
Cartons	Small Tools
Gloves	Tin Cans
Wood Boxing	Machined Metal Hardware
Sweepings	Miscellaneous Metal Hardware
Graphite	Crucibles
Residues (undefined)	Pipe Lengths and Fittings
Plastic Film, Sheeting, Bottles, Drum Liners, Windows, Labware, and Sponges	
Miscellaneous Rubber	

Segregation based on combustibility of waste was no longer required by 1985 (Reference C071). The Waste Identification (Waste ID) Slip was an internal worksheet that captured information necessary for completion of the forms described below. The waste category and applicable hazardous/nonhazardous determinations were recorded by HBL personnel on this slip for each waste pail, drum, or container generated. The BGR provided content information, including the volume, radionuclide variety of contamination (codified), quantity, and originator (generator) location (References M014, P054, P056, P057, P073, P093). TWPD forms were completed for wastes generated after 1986 and included information on waste content, radioisotopes, and hazardous waste constituents (References M014, P073, P093). Waste was examined for physical content against criteria listed in the procedures (Reference P073) to determine and assign the appropriate site-specific content code (001-Job Control, 002-Sludge, 003-Resin, 004-Filters, etc.). Waste generated after 1997 required only a completed TWCC that included radionuclide and hazardous waste information (Reference M015). These forms were completed at the time the waste was placed in a drum liner or pail. Each form, which contains a statement attesting to the accuracy of the information, accompanied waste containers (drums) when they were transported from the HBL to the SWD storage facility.

Due to the fact that some of the waste was generated prior to implementation of a TRU waste certification program, facility personnel were not required to determine whether waste was hazardous under RCRA prior to 1986. After 1986, facility personnel determined whether waste was RCRA-regulated and, if responsible for ID and packaging of waste, were RCRA trained. In addition to radionuclide content,

pre-1985 generated waste was examined for physical content to support the segregation of combustible and non-combustible waste (References C071, P057). Throughout the waste streams' generation periods, drums and other storage containers were labeled with various content information.

Since 1992, the HBL packaged and shipped waste to the E-Area storage facility RWBG/SWMF under Procedure Manual 1S SRS WAC Manual, Chapter 3.06, "*E Area, TRU Pads – Transuranic Waste Acceptance Criteria*" (References C006, D026, D084, M046, M057, P015, P050). This document was used by SRS to ensure that CH TRU waste and mixed Transuranic waste (MTRU) sent for storage at the TRU storage pads incorporated the SRS site requirements, the WIPP-WAC requirements, and those requirements found in federal and state laws, regulations and orders.

Since 1999, the Westinghouse Savannah River Company (WSRC) Solid Waste Division, Waste Certification Group has performed periodic internal waste certification assessments of the HBL Waste Certification Program. Assessments provide assurance that the HBL TRU/MTRU management practices meet the applicable requirements of WSRC Procedure Manual 1S for transportation to and storage at the E-Area Solid Waste Facility. The HBL TRU Waste Certification Program is documented in NMS-EHB-990044, "*Separations HB-Line Facility: Transuranic (TRU) Waste Certification Program*" (Reference D067).

Throughout the time period of waste generation, at least one of the following waste characterization forms was completed for each waste container: the TWDP form (Operational Safety Requirement [OSR] 7-872, 1986-1997); BGR (OSR 7-375A, 1972-1997); or a TWCC (OSR 29-90, from 1997 forward) were required to be completed at the time the waste was placed in a drum liner or drum. In the late 1990s, if a drum contained mixed waste, it was stenciled in ½ -in. (or larger) block letters on two sides of the drum with the following markings, as appropriate (References P014, P091):

- "RADIOACTIVE WASTE" in black paint
- "PADSTORAGE" in black paint
- "CERT" in green paint or "NON-CERT" in orange paint
- Date container drum is permanently sealed, in black paint
- "HAZARDOUS WASTE" in black paint, if applicable
- Waste Category (such as toxic, ignitable, reactive, corrosive) in black paint
- All hazardous waste components (such as lead or Mercury) in black paint
- EPA HWN in black paint

- "LDR" (Land Disposal Restriction) in black paint
- Accumulation start date

These markings provided a visual indicator to aid personnel moving and storing the drums. Each drum is traceable to its respective generating facility and characterization via a unique FSN or a unique container ID number. In the case of pre-1990 drums in the SR-W027-221H-HET CH waste stream, 402 have related FSNs documenting additional waste cuts packaged into the drum with the primary FSN number (Reference M066). This serialized number appeared on each of the OSR forms and on each waste drum and inner liner. Each drum and liner was identified with its FSN using a die stamped stainless-steel tag attached with wire to each drum or in each drum, or an aluminum write-on tag or painted label/marking (References C054, D088, P048, P056, P057, P059).

- Procedures used in characterization of HBL TRU Waste have been included as source documents in the AK record (References P003, P007, P007A, P014, P018, P023, P042, P045, P047, P048, P054, P055, P056, P057, P058, P059, P063, P064, P067, P069, P073, P088, P089, P091, P093, P094).

Prior to 1986, SRS managed its TRU waste according to the AEC and DOE guidelines established at the time but did not have a TRU waste certification program. In early 1986, SRS implemented its TRU Waste Certification Program, which modified its generator administrative controls to manage all TRU waste according to the WIPP- WAC. The SRS TRU Waste Certification Program was implemented by the SRS certification plan, *Savannah River Certification Plan for Newly Generated, Contact- Handled Transuranic Waste*, and was audited and approved by the waste acceptance certification criteria committee (Reference D088). The program remained in place until 1991, when the Solid Waste Division discontinued the performance of nondestructive examination (NDE) and nondestructive assay (NDA) on each waste container. With the ceasing of these operations, the HBL procedures and controls implemented by the TRU waste certification program remained in place. From approximately 1992 - 1999, SRS SWD did not maintain its formal TRU waste certification program confirmation activities. However, HBL waste management procedures in place directed facility personnel to complete steps necessary to ensure storage in accordance with the SRS SWD WAC and WIPP-WAC in effect at the time of waste packaging. Since 1999, the WSRC Solid Waste Division, Waste Certification Group has performed periodic internal waste certification assessments of the HBL Waste Certification Program. Assessments provide assurance that the HBL TRU/MTRU management practices meet the applicable requirements of WSRC procedure Manual 1S for transportation to and storage at the E-Area Solid Waste Facility. The HBL TRU Waste Certification Program is documented in NMS EHB-990044 (Reference D067).

4.7 Description of Waste Generating Processes

HBL has consisted of three major operations in both the Old and New HB-Lines: Scrap recovery, Neptunium Oxide production, and Plutonium Oxide production. The New HB-Line also has a laboratory that generated TRU waste. Figure 5, Timeline of Material Processing Activities at the Scrap Recovery Facility, Figure 6, Timeline of Material Processing Activities at the Neptunium Oxide Facility, and Figure 7, Timeline of Material Processing Activities at the Plutonium Oxide Facility depict the timeline of material processing activities at Old HB-Line and at New HB-Line for Phase I, Phase II and Phase III, respectively. Figures 8 through 13 are diagrams that show the process flow in each of the three facilities (References C063, C066, D005, D054, D099, D113, D116, M069). HBL generates TRU waste containing plutonium and neptunium during the use of gloveboxes, contamination control huts, and from decontamination processes. TRU waste containing Pu-238, Np-237, Pu-239, and other radionuclides was also generated during decontamination operations, replacement of equipment, maintenance, inspection, and sampling (Reference D034). TRU waste was placed in 5-gallon cans, assayed, placed in a drum liner, and packaged in 55-gallon drums before transport to the TRU waste storage facility (Reference D034).

4.7.1 Old HB-Line Waste Generating Process

The Old HB-Line operated from 1963 to 1984 producing Pu-238 material for NASA programs as well as defense-related materials. It was designed to receive radionuclides in dilute acid (e.g., nitric acid) solutions from the fuel reprocessing canyon, precipitate them as oxalates, and then calcine them in a furnace to a solid oxide form (References D004, D062). In addition to Pu-238 and Np-237, the facility processed Pu-239, U-233, and U-235 (References D004, D095). The Old HB-Line had three distinct facilities to process Np-237, Pu-238, and recoverable scrap material (References C093, D052).

The production of plutonium began with the irradiation of uranium and neptunium targets in the site production reactors. In the reactor, the U-238 atoms were bombarded with neutrons and transformed into U-239 atoms. Through successive radioactive decays, the material became Np-239 and then Pu-239. Since some of the Pu-239 later fissioned, fission products were also formed. The plutonium was a small percentage of the total uranium remaining in the target or fuel after irradiation (Reference C139).

Dissolution of these materials in the H-Canyon involved fuel elements and assemblies being transported from the storage area or directly from cask cars, charged to the dissolver, and dissolved in nitric acid solution to provide an aqueous solution suitable for subsequent processing and separation steps. Typical dissolution included uranium metal with aluminum clad slugs, uranium-aluminum alloy fuel, and zirconium and stainless steel clad fuels (Reference D124).

H-Canyon was equipped with two chemical dissolvers and an electrolytic dissolver. Feed material containing components that could not be dissolved chemically in nitric

acid were dissolved electrolytically. For aluminum clad uranium slugs, the aluminum was dissolved in a solution of sodium hydroxide and sodium nitrate at the boiling point. The 50 percent sodium hydroxide was slowly added to the dissolver at a controlled rate of dissolution. At the end of the cladding removal step, the dissolver was cooled and the sodium aluminate removed. The remaining uranium and plutonium was dissolved in 50 percent nitric acid. Stainless steel, zirconium, and aluminum cladding were dissolved anodically in the electrolytic dissolver. The use of nitric acid as the electrolyte permitted recovery of fissile materials by conventional solvent extraction using existing stainless steel equipment. Volatiles generated during dissolution from all dissolvers were ducted to the dissolver off-gas system. This system included iodine reactors designed to remove radioactive iodine (I-129) from the off-gas. The off-gas entered the reactor cartridge where radioactive iodine was removed by contacting a bed of silver nitrate-impregnated reaction media. The media consisted of ceramic saddle-shaped pieces called Berl saddles (References C217, D124, D127).

4.7.1.1 Scrap Recovery Process

The Scrap Recovery Process recovered U-235, Pu-238, and Np-237 from local and off site scrap by dissolving the scrap and transferring the solution to the canyon for reprocessing (Reference D052). As shown in Figure 10, Old HB-Line ^{237}Np Process Flow Diagram, and Figure 12, Old HB-Line ^{238}Pu Process Flow Diagram, the recovery process normally consisted of opening and examining contents of scrap containers, removing extraneous materials, screening, size reduction, oxidation, leaching, and dissolution (Reference D052). Precipitation and ion exchange capabilities are also available. Solutions may require diluting to obtain nitrate solutions suitable for further processing (Reference D019). Figure 8, Primary Operations in Scrap Recovery, illustrates the general flow of materials through the process.

The following two categories of scrap were processed separately or in combination: (1) Pu-238 and/or Np-237, and (2) U-235, Pu-239, and Np-237. Both categories of scrap could be processed simultaneously in the recovery facility, but they were separated at all times. Scrap was received as relatively pure Pu-238 oxide primarily from Mound Laboratory Los Alamos Scientific Laboratory, and onsite. No scrap containing primarily Np-237 was received from off-site sources; however, some Np-237 was recovered from HBL cabinet floor sweepings. This scrap was received from eight sites primarily as uranium oxide and plutonium oxide, but some uranium^{3}oxide^{8} and some uranium and plutonium metal (Reference D052) was also received.

The scrap was inspected and extraneous material removed. The scrap was then weighed and pulverized for dissolution. The material was manually added to the dissolver, which contained nitric acid, potassium fluoride and aluminum nitrate (References D006, P105). The dissolver solution was then filtered and analyzed for Pu-238 prior to reprocessing. Insoluble material in the filter boat was either recycled or discarded depending upon its plutonium content. U-235, Pu-239, and Np-237 were recovered from scrap consisting mainly of uranium, plutonium, and neptunium oxides of

various compositions. The scrap is weighed and added to a solution of nitric acid/potassium fluoride and potassium fluoride/aluminum nitrate (References D006, P038). The solution was cooled, filtered, sampled, and analyzed for U-235 and Pu-239 prior to reprocessing.

Scrap was occasionally received with a significantly different composition than that normally processed. Non-routine scrap required a special evaluation to determine a safe recovery procedure. Examples of special recovery scrap processed in HBL include scrap containing molybdenum, zirconium, or beryllium molybdenum scrap was dissolved with ferric nitrate. Scrap containing zirconium metal or alloy was processed with fluoride (Reference D006).

4.7.1.2 Neptunium Process

The Neptunium Process received Np-237 solution separated by canyon operations in F and H Areas. The process purified and concentrated the neptunium solutions using anion exchange, precipitation, and calcination. The product was ultimately incorporated in new reactor targets and re-irradiated for the production of Pu-238 (References D019, D052).

HBL received Np-237 nitrate from three sources: H-Canyon Frames Process, H-Canyon HM Process, and the F-Canyon Purex Process. These feed solutions were sampled and analyzed for neptunium content and acidity and then combined with feed solutions from other processes. Feed solutions were adjusted by adding nitric acid, ferrous sulfamate, and hydrazine mononitrate (References D019, D052). Hydrazine mononitrate was added to the solution after it was sampled and analyzed (Reference D052).

4.7.1.3 Plutonium Process

The plutonium Process received separated Pu-238 nitrate solutions and converted them to plutonium dioxide powder by precipitation and calcination (Reference D052). The plutonium product was shipped to other facilities where it was fabricated into heat sources for RTGs (References D052, D056). Plutonium was precipitated, filtered, and calcined to plutonium dioxide in air.

HBL received high assay and low assay Pu-238 nitrate solutions from H-Canyon operations. The high assay plutonium solutions accounted for ~99 percent of the Pu-238 processed in HBL. Low assay Pu-238 was recovered from irradiated fuel assemblies of enriched uranium. The recovered product was decontaminated and purified in the H-Canyon, and was transferred to HBL. Low assay plutonium solution contained plutonium in nitric acid. The isotopic compositions for plutonium isotopes 238-242 were approximately as follows: Pu-238, 26 percent; Pu-239, 56 percent; Pu-240, 11 percent; Pu-241, 5 percent; and Pu-242, 2 percent (Reference D052).

High assay Pu-238 was recovered from irradiated neptunium target tubes. The plutonium was separated from the dissolver solution and purified by ion exchange in the H-Canyon Frames Process. The high assay solution was transferred from H-Canyon to an HBL receiving and blending tank. The solution was then blended to isotopic specifications, adjusted, and transferred to the precipitator feed tank as shown in Figure 13, Schematic of New HB-Line Plutonium Oxide Process (Reference D052).

No waste from H-Canyon had been considered TRU, but careful examination by facility personnel had identified that waste containing alpha contamination levels in excess of the 1985 TRU limit of 10 nCi/g could be generated during special activities, such as construction or line breaks, in the Frames. The volume would probably be < 10 drums per year. Therefore, for ease of handling, and to better comply with the standards of the WIPP program, H-Canyon personnel and HBL personnel had agreed that the waste generated as TRU from the Frames would be assayed, drummed, and shipped through the HBL facility (Reference C132). The primary contaminant from Frame I is alpha from Pu-238 (Reference C135).

Low assay plutonium solution was blended with high plutonium solution to give an isotopic concentration of 80 to 81 percent Pu-238, which was suitable for fabrication of heat sources. The acidity of the blend was adjusted by using nitric acid. Additional adjustments used ascorbic acid and hydrazine mononitrate. Plutonium oxalate was precipitated and filtered from the adjusted feed solution prior to calcination. When the precipitation was complete, the slurry was filtered to recover plutonium oxalate. The precipitate cake was washed with oxalic acid, hydrazine mononitrate, ascorbic acid, and nitric acid, calcined to convert to plutonium dioxide.

4.7.2 New HB-Line Waste Generating Processes

The waste streams documented in this section were generated from the New HB-Line or from surveillance/maintenance activities and non-routine decontamination efforts. All waste generated from the gloveboxes was treated as TRU waste unless documented to be low level waste (References D005, D050).

Chemicals used in New HB-Line processing facilities are nitric acid, potassium fluoride, aluminum nitrate, sodium nitrite, ferrous sulfamate, ascorbic acid, hydrazine mononitrate, and oxalic acid. Additional chemicals used in the Waste Handling Facility are listed in Section 5.4.3.

All acid spills are neutralized prior to being disposed. Solid hydrazine is never brought into the HBL Facility. It is delivered as 30 percent hydrazine mononitrate solution in drums. Suspected hydrazine mononitrate spills are tested and cleaned up by Industrial Hygiene (Reference D050).

4.7.2.1 Scrap Recovery Facility (Phase I)

Phase I operations include opening, repackaging, screening, size reducing and dissolving scrap (References D005, D050). The facility is designed to receive and process material containing isotopes of plutonium, uranium, and neptunium from various on-site and off-site locations. Process materials can be in the form of solid or powdered oxides, pure metals, and mixed or alloyed with other metals. Phase I operations recover U-235, Pu-239, Pu-238, and Np-237 from scrap material and produce nitrate solutions for purification by anion exchange in HBL or solvent extraction in H-Canyon (References D003, D005, D058, D116). The process involves introducing prepared and assayed scrap into vessels containing nitric acid, filtering the dissolved product, and then educting the product with dilute nitric acid to the appropriate H-Canyon vessel (References D003, D058). A general process flowchart for Phase I is provided in Figure 9, Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery. As shown in Figure 2, the following campaigns were processed through New HB-Line Scrap Recovery: enriched uranium/plutonium material; Pre-Cassini Pu-238; Cassini Pu-238; high assay plutonium; Post-Cassini Pu-238; Low Assay plutonium (LAP); Pu-239 FB-Line sweepings; and enriched uranium/depleted uranium/Pu-239 (References D110, D114).

The Phase I cold feed preparation (CFP) area, provides Phase I with a remote site for chemical preparations and metered quantity introduction to the process line (References D003, D058). Chemicals used in Phase I include nitric acid, potassium fluoride, Al nitrate, and ferric nitrate. After the conditioned scrap is dissolved, it is filtered and then educted to H-Canyon (References D050, D058). Al nitrate is stored and prepared separately from flammable and combustible materials in the CFP. LAP and FB-Line sweepings were also processed in this facility. Wastes from this facility may be contaminated with Pu-238, Pu-239, U-235, or a combination of these distributions (Reference D005).

LAP, FB-Line sweepings, plutonium-beryllium material from FB-Line, and other FB-Line scrap materials were also processed in this facility. Wastes from this facility may be contaminated with Pu-238, Pu-239, U-235, or a combination of these distributions (References D005, D112, D113, D115).

The HBL Phase I Scrap Recovery Facility was processing scrap in 2003 referred to as desicooler material, which was a uranium-aluminum scrap with trace amounts of plutonium, neptunium, and americium. Most of this material was left over from a uranium oxide scrap recovery program that began in 1972 with material from Oak Ridge National Laboratory and Rocky Flats. Several cans of this material were processed under normal scrap recovery operations in 2003. However, a decision was made to stabilize the remaining material with Portland cement and water in 1-gallon paint cans to reduce the attractiveness level of the material (References D107, D108).

HBL also processed plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The

metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Material containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

The dissolution of composite materials containing plutonium and tantalum metals was being performed in Phase I of the HBL Facility in 2007 for subsequent disposition through the H-Canyon facility. The material is first rinsed with process water, placed into the dissolver using a nitric acid solution containing potassium fluoride and then burned, in part to destroy classified information. The first dissolution processes resulted in the precipitation of a fluoride salt containing plutonium which required further dissolution of the salt using aluminum nitrate and a longer heating time. As a result, the process was modified which resulted in more favorable outcomes (Reference D120).

4.7.2.2 Neptunium Oxide Facility (Phase II)

The original intent of Phase II was to convert nitrate solutions of neptunium into stabilized Np-237 oxide (References D005, D049). However, no operations occurred in this facility until late 2001, when nitrate solutions of Pu-239 were converted into plutonium oxide powder suitable for dissolution, blending, or long-term storage (References D049, D058, M022). Phase II shifted to neptunium processing in 2004. Neptunium solutions that have been in storage since the 1980s are being converted into an oxide and shipped to INL (References D005, D111, D112, D113, D116).

Phase II consists of two processing lines that can process either plutonium or neptunium. The operations include transferring plutonium or neptunium nitrate solutions from H-Canyon vessels to receipt tanks. The solutions are then processed through ion exchange columns to concentrate, and precipitation stages that produce oxalate cake after filtration. The cake is calcined and packaged as the final product (References D005, D049, D058, D116). A general process flowchart for the neptunium oxide process is provided in Figure 10.

The chemicals used in Phase II include nitric acid, ferrous sulfamate, sodium nitrite, ascorbic acid, hydrazine mononitrate, oxalic acid, and potassium permanganate. Aqueous nitric acid is mixed into an actinide feed solution and then chemically adjusted with ferrous sulfamate (References D005, D049, D058, P081).

4.7.2.3 Plutonium Oxide Facility (Phase III)

Phase III was designed to convert Pu-238 nitrate solutions to plutonium oxide powder suitable for fabrication into heat sources, but has not been in operation since 1997 (References D061, D058). The original mission for Phase III was to produce Pu-238 oxide for LANL (References D005, D050).

In 1985, the Pu-238 nitrate solution sent to Phase III came from the H-Canyon Frames Process HBL, which processed both low assay and blended material made from low and high assay material. Low assay Pu-238 was recovered from irradiated uranium fuel assemblies. High assay Pu-238 was recovered from irradiated neptunium target tubes. The targets were removed from the reactor and, after a cooling period, shipped to the separations facility. The targets were placed in a vessel, the cladding was removed, and the uranium metal and neptunium were dissolved. An ion exchange process separated the fission products, uranium, Np-237, and Pu-238. After separation in H-Canyon, the Pu-238 is in a nitrate form in nitric acid. It is then transferred to HBL Phase III, where it is converted into an oxide (Reference C139). An overview of the Phase III process is given below.

The new plutonium oxide process in Phase III was an improved version of the Old HB-Line plutonium oxide process used since 1961 (Reference D056). After Pu-238 nitrate solutions were received from the H-Canyon Frames Process, the solution was adjusted using ascorbic acid and hydrazine mononitrate. Oxalic acid was added to form plutonium oxalate. The plutonium oxalate was then calcined in a furnace to produce the Pu-238 oxide powder (References M061, M062). Finally, the Pu-238 oxide powder was packaged and shipped to another DOE facility (References D005, D050, D056). Pu-242 was precipitated in the same manner (References D050, D061). The brief Pu-242 campaign did not use ascorbic acid or hydrazine mononitrate (Reference D050).

The Phase III process lines are serviced with chemical solutions from the Phase II CFP area (Reference D058). The chemicals used in Phase III included 64 percent nitric acid, oxalic acid, potassium permanganate, ascorbic acid, and hydrazine mononitrate (Reference M061). The oxalic acid solution, and potassium permanganate used in the Phase III process was also prepared in the CFP.

Surveillance and maintenance activities in this facility continue to generate TRU waste contaminated with a heat-source (Pu-238) distribution. The Pu-242 formerly processed in this facility has been removed, and only residual amounts of Pu-242 remain (Reference D005).

HBL is currently processing plutonium and uranium scrap metal referred to as 3013 material as previously described in Section 4.7.2.1. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III

glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Materials containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

During the 3013 Campaign, the 3013 cans are opened and destructive analysis of the plutonium oxide is performed prior to the can being shipped to the HBL for dissolution in Phase I. Prior to dissolution, the plutonium-oxide may be washed utilizing an oxide washer in order to reduce the chloride content. The purpose of this is to reduce stress corrosion cracking of the processing equipment in Phase I (References D120, P119, P120, P121, P122, P125).

Repackaging of solid waste and solid materials containing enriched uranium/depleted uranium/natural uranium, plutonium, and/or neptunium is now permitted in the Phase III process line or confinement enclosures (e.g., glove-bags or huts) (Reference D116).

4.7.2.4 Other Facilities

Also contained within the HBL are a Waste Handling Facility and an area known as Room 410N. The Waste Handling Facility also contains the Analytical Laboratory. Although this facility was originally designed to prepare contaminated items for TRU waste disposal, it currently functions only as an Analytical Laboratory for analyzing samples and has been operational since 1991 (References D005, D058). Process operations in the Old HB-Line were permanently suspended in 1983, but the process equipment in Room 410N is used as part of the Phase II process operation (References D058, D116).

4.7.3 Old HB-Line D&R

The D&R process for the Old HB-Line began in about 1982, while the facility was still operational. A report issued by SRS in early 1994 (Reference D004) stated that a portion of the Old HB-Line (Neptunium Process and Scrap Recovery) had been undergoing D&D intermittently over the past nine years and, at the time of the report, the facility had been cleaned. The remainder of the facility was scheduled to be cleaned over the following three years. However, according to the August 2005HBL characterization plan and the August 2006 Safety Analysis Report (SAR), the third and fourth levels are in various stages of decommissioning and deactivation and continue to generate TRU waste (References D005, D116).

The D&R project followed a four phase process. The first step was the removal of all non-contaminated equipment, which also included flushing tanks, piping, and sumps.

In step two, process cabinets were emptied and cleaned. Cabinet interiors were decontaminated to a practical limit. Then the cabinets were painted to affix contaminants. The third step was the cabinet removal stage, where adjoining cabinets were separated and cut into sections to allow for packaging. Since the area was highly contaminated with plutonium, processing equipment was contained in gloveboxes or cabinets with controlled ventilation, to assure personnel protection. The last step was the decontamination of the vacated areas of the facility to as low a level of radioactivity as economically practicable. Tasks performed in this effort included painting walls, laying new floor tiles, and reinstallation of services such as lights, ventilation, and alarms. The Kelly decontamination system, which used a combination of steam and chemicals, was used to decontaminate large concrete areas. Contaminated wash water was pumped to the adjacent canyon for evaporation and transfer to the waste tanks. A Bead Blaster was used to remove deeply penetrated contamination from large areas of concrete floor. "Tacky" wipes were used to decontaminate smooth surfaces (Reference D004).

Waste from the D&R of the Old HB-Line was packaged in 55-gallon steel drums, and 45-, 90-, and 1500-cubic feet (cu ft) steel boxes. Small (2 x 3 x 4-ft) glovebox sections were packaged intact. Larger cabinets were cut into 2- to 3-ft segments and ducts were cut into flat sections and boxed (Reference D004). The packaged waste was transported to the SRS SWDF for interim pad storage to await final treatment and packaging for disposal (Reference D004).

4.7.4 Associated Maintenance and Housekeeping Activities

Maintenance activities conducted on HBL included the following (References C098, C129, D034):

- Lead-lined glove replacements (periodically and as needed)
- Repair of leaks
- Filter change-outs (References M023, P007, P007A, P031, P037, P084, P101)
- Changing panels on cabinets and huts
- Equipment repair (valve replacement, etc.)
- Inspection and cleaning of exhaust ducts to remove any plutonium accumulation (during January 1990 shutdown)

Routine housekeeping activities conducted by Operators included the following:

- Sump cleanout (Reference D090)
- Floor sweeping (References C031, C039, C117)

- Absorption of liquids
- Construction, breakdown, and disposal of huts adjacent to cabinets (References D067, P023)
- Bagging trash out of gloveboxes and cabinets (References C044, C131, M046, P022)
- Decontamination (References M012, P049)

All of these activities generated TRU and/or low-level waste (LLW) throughout the time period of waste generation. Some examples of waste-generating maintenance and housekeeping activities are provided below.

Sump Cleanout

Cabinet sumps were physically cleaned of items that may have fallen into them, such as vials and tape, including the filtrate cabinet and product hold cabinet sumps. Dissolvers were also emptied. The sumps were then flushed with liquid. The dissolver was also filled to its limit with nitric acid, sampled and discharged. Sumps required to be physically cleaned in the Phase III facility included the receipt cabinet, the precipitator, and the filtrate cabinets. Liquid flush solutions were ultimately sampled and transferred to H-Canyon (Reference P033). The Old HB-Line sumps were not cleaned as often as in the New HB-Line, but sumps were usually flushed out and cleaned between isotopic campaigns; cabinets were wiped down, and everything was removed (Reference C105). The rinsed wet nitric acid wipes that were used to clean the sumps were radiologically surveyed and either discarded or held for recovery of material (Reference D090).

Floor Sweeping Cleanup

Materials would be mixed at a ratio of 3:1 with vermiculite to assure no free liquids existed (References C031, C117). When neoprene glovebox gaskets covering the points where cabinets joined together would fail, neptunium sweepings were generated (Reference C105). The radioactive glovebox sweepings were recycled when practical to do so, (Reference D005) and were collected and put through Scrap Recovery.

4.8 Waste Certification Procedures

In the CCP program under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 3) directs compilation and confirmation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 10).

5.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.01

This section presents the waste stream information required by the WIPP-WAP and the WCPIP for waste stream SR-RH-221H.01 (References 1 and 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

5.1 Area and Building of Generation

The waste in this debris waste stream was generated in the old and New HB-Line facilities located inside the H-Canyon facility. HBL waste was generated primarily from areas inside process cabinets or gloveboxes, huts erected around glovebox entry ports, or areas contaminated with radioactive material adjacent to the process cabinets/gloveboxes.

5.2 Waste Stream Volume and Period of Generation

Waste stream SR-RH-221H.01 currently consists of 15 55-gallon drums generated between July 1977 and November 1990. This RH waste stream corresponds and was originally included in CH Waste Stream SR-W027-221H-HET, consisting of approximately 7,400 containers. Any additional containers from CH waste stream SR-W027-221H-HET determined to be RH waste could be included in this waste stream (References 14, C197, M169). A detailed description of the physical, chemical, and radiological waste characteristics is provided in the following sections.

5.3 Waste Generating Activities

The processes by which the waste stream under consideration was generated are described in detail in Section 4.7 with detailed process flow diagrams provided in the figures at the end of this report. Routine operational activities (housekeeping/cleaning, process equipment adjustments, radiological surveys, etc.) and preventive and corrective maintenance were the major waste producers. Other contributing activities included facility modifications, decontamination, sump clean out, absorption of liquids, glove replacement on process cabinets and gloveboxes, various mechanical and electrical repairs, maintenance, and change-outs of process equipment, piping, cabinet panels, and other equipment. One other major waste generating activity was the D&R of most of the Old HB-Line gloveboxes (References D004, C105).

5.4 Type of Waste Generated

This section describes the process inputs, Waste Matrix Code assignment, waste material parameter (WMP) weight estimates, radionuclide contaminants, and RCRA hazardous waste determination for waste stream SR-RH-221H.01. The waste stream is characterized based on knowledge of the materials, knowledge of the processes generating the waste, and physical descriptions of the waste.

The waste stream is primarily heterogeneous organic debris by volume, with the balance being composed of inorganic debris and absorbed liquids. The SRS designation for waste items/materials discarded because they were no longer useable or needed was "Job Control Waste," which was designated on SRS Waste Management forms as Content Code 001 until 1998 (References M066, M108, M109, M110).

Although the SRS definition of job control waste did not include filters, some small HEPA and AEC filters that were of a size that did not require them to be packaged in boxes have also been identified in the waste (References M014, M015, M115). Heterogeneous waste may also include small quantities of inorganic absorbents and absorbed organic liquids (References M026, P024).

5.4.1 Materials Related to Physical Form

The following description of Job Control Waste was contained in several HBL procedures and other SRS reports (References C032, D015, D075, M041, P014, P073):

Job Control (Content Code 001) – paper, wipes, cloth rags, uniforms, cartons, gloves, miscellaneous wood, plastic film, sheeting, bottles, drum liners, windows, labware, sponges, miscellaneous rubber, Plexiglas, leather, firebrick, glassware, ceramic, small tools, miscellaneous metal hardware, crucibles, pipe, tubing and fittings, instruments, motors, hot plates, and shipping containers.

Examples of container-specific waste items described on generator and packaging forms (References M014, M015, M115, M125, M127, M133), include:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners

- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as HEPA filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Prior to 1986, SRS procedures did not require the recording of narrative descriptions or organic volume/weight percent (vol/wt%). However, the BGR (OSR 7-375) (References C055, M014) that was completed at the time of packaging did indicate a Waste Type Code and, in some cases, a brief description. Code "1" denoting job control waste (defined as housekeeping waste and protective clothing) was assigned to the large majority of containers generated in the waste stream during the pre-1986 time period (References M014, M052).

Homogeneous solids waste (e.g., bottles containing absorbed liquids) are included in drums of debris waste; however, individual drums will contain less than 50 percent, by volume, of these materials (References M126, M127). Drums in which CCP radiography identifies more than 50 percent, by volume, homogenous solids waste will be rejected and removed from the debris waste stream.

5.4.1.1 Waste Matrix Code

Waste stream SR-RH-221H.01 is primarily made up of heterogeneous debris consisting of booties, lab coats, floor sweepings, labware, rags, small tools and equipment, and other job control waste (Reference M026).

Beginning in approximately 1996, OSR 29-90, TWCCs (References M015, M115) replaced TWPDs. TWCCs provided detailed WMP data, but did not include volume percent (vol%) organic data. Instead, WMP descriptions and weight percents were provided. Waste material parameter densities were used to convert the wt% data to vol%. Based on an evaluation of WIPP Waste Data System (WDS) data and

OSR 29-90 data Waste Matrix Code (WMC) S5440 Predominantly Organic Debris has been applied to the corresponding CH waste stream SR-W027-221H-HET (References 22, M112). However, based on a review of more current WDS data for the corresponding CH waste stream, Waste Matrix Code S5400, Heterogeneous Debris, is more appropriate for this waste stream due to the wide range of inorganic and organic materials in these drums. Therefore, WMC S5400 is assigned to waste stream SR-RH-221H.01. This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300) (References 14, M112, M169).

5.4.1.2 Waste Material Parameters

The WMPs for the waste stream were estimated by using the characterization data from CH waste stream SR-W027-221H-HET and contained in the WDS for 7,014 drums from radiography lots 1 through 143 which give data available up through February 3, 2006. The waste in this RH waste stream is physically identical to the CH portion (the only difference being the surface dose rate on the drums). The CH data is therefore representative of the RH containers. Waste items were categorized into one of the following WMPs: iron-based metals/alloys, aluminum-based metals/alloys, other metals, other inorganic materials, cellulosics, rubber, plastics (waste materials), inorganic matrix, organic matrix, and soils/gravel. The WMP weights were assessed and an average was determined that was applied to the RH waste stream. The results of the assessment are presented in Table 1, Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates.

The evaluation of data for the WMP weights for the waste stream is documented in a memorandum as required by CCP-TP-005 for each waste stream (Reference 3).

Table 1. Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	25.80	0.0 –97.27%
Aluminum-based Metals/Alloys	1.06	0.0 – 64.63%
Other Metals	0.28	0.0 – 70.87%
Other Inorganic Materials	9.29	0.0 - 93.69%
Cellulosics	5.70	0.0 – 95.41%
Rubber	16.69	0.0 – 97.56%
Plastics (waste materials)	40.43	0.0 – 98.36%
Soils/Gravel	0.0	0.0 – 0.0%
Inorganic Matrix	0.70	0.0 – 92.50%
Organic Matrix	0.04	0.0 – 73.68%
Total Inorganic Waste Avg.	**37.13%**	
Total Organic Waste Avg.	**62.86%**	

5.4.2 Radiological Characterization

This section summarizes the methods used by SRS to report the radioactive content of containers in the corresponding CH waste stream SR-W027-221H-HET. RH waste stream SR-RH-221H.01 consists of drums originally included in the corresponding CH waste stream, and this report includes information to bound any container originally assigned to the corresponding CH waste stream and determined to be RH. Based on this waste stream correlation, the generator reported radiological characterization data found in CCP-AK-SRS-4 for the waste stream SR-W027-221H-HET (Reference 14) is representative of RH waste stream SR-RH-221H.01 for the purposes of this report.

It should be noted that the SRS characterization approach described in this section does not represent the approach implemented by CCP. The approach implemented by CCP to fully characterize this waste stream is documented in CCP-RC-SRS-601, *CCP Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site, Waste Stream: SR-RH-221H.01* (Reference 16). The information contained in this section is only intended to provide historical AK data related to the management of this waste stream by SRS and to describe generator reported radiological data that may be found on various waste management and waste storage forms.

The waste streams described in this section include waste from both Old and New HB-Line. As previously discussed, the HBL processed Np-237, Pu-238, and recovered scrap, including enriched uranium/plutonium, U-235, and Pu-238, as shown in Figure 5 (References C063, C066). The timelines presented as Figures 5 through 7 of this report indicate the times during which different process lines were running.

The fact that the HBL housed several radiologically-different processes and that process/isotopic-specific waste segregation was not required when waste cuts were placed into waste containers, complicates the determination of isotopic ratios expected in these waste streams. Documentation states that waste cuts from several different projects, each with a unique isotopic distribution, were placed together in a single drum (References C094, C098, D031). Also, after 1986, guidance was given to place all mixed waste cuts in the same drum to minimize the number of mixed waste drums (References C008, P018, P091).

In addition to routine campaigns, special campaigns involving other radionuclides or different isotopic ratios cause additional variability in the isotopic ratios for the waste streams (References C024, M056). Waste was also generated as a result of contamination incidents, (References C098, C100, C105, C114, C157, D053, D065, D066), D&R activities and special cleanup activities (Reference D090). Additionally, some materials received from off-site were declared waste rather than utilizing the materials in scrap recovery.

As discussed in Section 4.7.3, Old HBL D&R activities took place over many years. During this D&R, containment units, as well as the vacated facility, were decontaminated. All equipment and highly contaminated containment cabinets were then removed and packaged as waste. Over 100,000 cu ft of TRU waste was generated from this activity (Reference D004).

Because this D&R effort removed all equipment and related containment, any contamination from operations prior to 1970 would be expected in the resultant waste streams. For example, from 1964 through 1970, SRS produced U-233 for research. These operations were performed in tanks installed for the Neptunium Recovery Program (Reference D054).

In order to produce U-233, thorium was irradiated in reactors and then dissolved in acid prior to extraction of the U-233 product. There were five thorium-processing campaigns with a total of about 240 tons of thorium processed. Two of the campaigns involved thorium metal and three campaigns involved thorax (thorium oxide) (References C164, D019, D054, D095, D098, M069). Therefore, both Th-232 and U-233 are expected in the waste generated from D&R activities.

In July 1977, a complete mockup of the Oxygen-16 exchange system was constructed to evaluate the calcination furnace in HBL. Concurrently, a cold test using thorium as a substitute for Pu-238 was performed. Thorium oxalate powder was calcined in the furnace using the same operating parameters as those used for the Pu-238 product (Reference D101).

Another possible source of thorium is from the irradiation of enriched uranium routinely produced for the production of Np-237. Over time, the U-236 fraction in the enriched uranium increased to approximately 50-60 wt%. U-236 in the targets yielded more

Np-237, which could be separated for Pu-238 production. If some of the U-236 in the enriched uranium carries over into the Np-237, decay products of U-236 are expected, which includes Th-232 and its daughters (Reference C164). If this were the only source of thorium, the quality of Th-232 would be proportional to the Np-237 quantity; however, there are many potential sources of thorium in the waste. A final possible thorium source is scrap material processed in HBL. Because of these activities, thorium, which has a natural isotopic abundance of 100 percent Th-232, is expected in routine and D&R waste from HBL (References C162, D004, D006, D049, D054, D095, D098, D101, M069).

The radiological characterization for corresponding CH waste stream SR-W027-221H-HET has identified the radionuclides suspected to be in waste stream SR-RH-221H.01. There are 2,890 drums with NDA available in the WDS from waste stream SR-W027-221H-HET. The results for these drums were averaged and are presented in Table 2, Reported Radionuclides in Waste Stream SR-RH-221H.01 (Reference M169).

Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01

Radionuclide	Total Radionuclide wt%	Suspected Present?
WIPP Required Radionuclides		
Pu-238	8.12	Y
Pu-239	5.41	Y
Pu-240	0.41	Y
Pu-242	0.02	Y
Am-241	0.05	Y
U-233	0.04	Y
U-234	3.94	Y
U-238	18.53	Y
Cs-137	0.0	Y
Sr-90	0.0	Y
Additional Radionuclides		
H-3	0.0	Y
C-14	0.0	Y
Na-22	0.0	Y
Ni-59	0.0	Y
Co-60	0.0	Y
Se-79	0.0	Y
Tc-99	0.0	Y
Ru-106	0.0	Y
Sb-125	0.0	Y
Sn-126	0.0	Y
I-129	0.0	Y
Ba-133	0.0	Y
Pb-214	0.0	Y
Ba-137m	0.0	Y
Cs-134	0.0	Y
Ce-144	0.0	Y

Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01 (Continued)

Radionuclide	Total Radionuclide wt%	Suspected Present?
Additional Radionuclides (Continued)		
Pm-147	0.0	Y
Eu-152	0.0	Y
Eu-154	0.0	Y
Tl-208	0.14	Y
Bi-214	0.0	Y
Ac-227	0.0	Y
Th-232	57.17	Y
U-232	0.0	Y
U-235	2.88	Y
U-236	0.0	Y
Pu-241	0.15	Y
Am-243	0.0	Y
Cm-243	0.0	Y
Cm-244	0.0	Y
Cm-245	0.0	Y
Np-237	3.16	Y
Cf-249	0.0	Y

5.4.3 Chemical Content Identification – Hazardous Constituents

The HBL waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as non-hazardous and hazardous. A review of available AK documentation has determined that this waste is hazardous.

The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste streams as a whole. The assignment of these HWNs was based on a review of chemical inputs to the waste generating operations and hazardous materials potentially contaminating. the waste. In addition, MSDSs and other manufacturer information were obtained for the commercial products to determine the presence of RCRA regulated constituents.

The assignment of HWNs to waste stream SR-RH-221H.01 is based on the characterization of the corresponding CH waste stream described in AK Summary Report CCP-AK-SRS-4 (Reference 14). Since this RH stream consists of drums originally included in the corresponding CH stream, the HWNs assigned to the CH stream have been applied to any container determined to be RH. Waste was generated directly from these processes and from associated activities such as maintenance and decontamination. Table 3, Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01, summarizes the expected chemical contaminants and associated HWNs applicable to the SR-RH-221H.01 waste stream.

Prominent HBL process chemicals used in the three HBL processes included the following:

In the Scrap Recovery Process

- Nitric acid in Scrap Recovery for dissolving plutonium, uranium, and neptunium metals and alloys, plutonium-zirconium, and plutonium-uranium-zirconium alloys or scrap containing metallic zirconium, plutonium-aluminum, and plutonium-uranium-aluminum alloys or scrap containing metallic aluminum, and scrap containing metallic beryllium (References D006, D055), as well as other major types of scrap (Reference D006). The New HB-Line Scrap Recovery process was very similar, with solid scrap being dissolved in hot nitric acid, filtered, collected and sampled, and further diluted with nitric prior to transfer to the H-Canyon as a nitrate solution (References D003, D005).
- Trace fluoride in nitric acid (References D003, D005, D055).
- Aluminum (Reference D055) as aluminum nitrate (Reference D005).

Table 3. Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01

Constituent	EPA Haz Waste No. Applied	Suspect Present (Y/N)	State Haz. Waste No.	Section Describing Rationale if HWN is Not Assigned
Acetone	None	Y	None	5.4.3.1
Beryllium	None	Y	None	5.4.3.4
Carbon tetrachloride	F001/D019	Y	None	NA
Chloroform	D022	Y	None	NA
Cyclohexanone	None	Y	None	5.4.3.1
1,1-Dichloroethylene	D029	Y	None	NA
Hydrazine	U133	Y	None	NA
Methanol	None	Y	None	NA
Methyl ethyl ketone	F005	Y	None	5.4.3.1
Methylene chloride	None	Y	None	5.4.3.2
Polychlorinated biphenyls (PCBs)	None	N	None	No applicable HWN
Freon	F002	Y	None	NA
Tetrachloroethylene	F001/F002 /D039	Y	None	NA
1,1,1-trichloroethane	F002/F001	Y	None	NA
Trichloroethylene	F001/F002 /D040	Y	None	NA
Vinyl chloride	D043	Y	None	NA
Others				
Ethyl acetate	F003	Y	None	NA
Metals				
Beryllium	None	Y	None	No applicable HWN
Cadmium	D006	Y	None	NA
Lead	D008	Y	None	NA
Mercury	D009	Y	None	NA
Note - The following chemicals were investigated and found to be not present in this waste stream: benzene; bromoform; butanol; carbon disulfide; chlorobenzene; cresols (o-, m-, and p-cresols); 1,2-dichlorobenzene; 1,4-dichlorobenzene; 1,1-dichloroethane; 1,2-dichloroethane; cis-1,2-dichloroethylene; trans-1,2-dichloroethylene; 2,4-dinitrophenol; 2,4-dinitrotoluene; ethyl benzene; ethyl ether; formaldehyde; hexachlorobenzene; hexachloroethane; isobutanol; methanol; nitrobenzene; pentachlorophenol; pyridine; 1,1,2,2-tetrachloroethane; toluene; trichlorofluoromethane; 1,1,2-trichloroethane; xylenes; antimony; arsenic; barium; nickel; selenium; silver; chromium; thallium; and vanadium.				

- Anion exchange in Scrap Recovery uses nitric acid, ferrous sulfamate, aluminum nitrate, sodium nitrite, hydrazine mononitrate, mercuric nitrate, and potassium fluoride.

- Sodium nitrite used in the dissolver system to oxidize uranium (References D005, D006).

- Other cold feed chemicals in the New HB-Line included potassium fluoride, aluminum nitrate, and ferric nitrate (References D003, D005, D006, D061, M058).

Lab Line (Reference D005)

The waste handling line was converted to a lab line that analyzed samples and generated TRU lab waste, including liquid samples that were absorbed in non-hazardous Oil-Dri and bagged out (Reference C105). The overall process was described as follows (References C136, P078). The lab received samples in plastic vials, composited up to four samples, performed analyses as requested, and poured excess sample into "recoverable liquid" bottles that were sent to the Canyon. Prior to June 1995, all liquids were bagged out of the line and recovered; after this time, they generated a "lab waste" category that was absorbed in Oil-Dri and was non-recoverable. Lab activities routinely generating waste included glove changeouts conducted at least every 30 days, glovebox cleanouts conducted at the end of each campaign, liquid analyses, and sample vial disposal. One special waste-generating event was the disposal of about 50 bottles of accumulated liquid waste following work to demonstrate that HBL was meeting Cassini Product Specifications. The following process chemicals were routinely used in the lab line (References C136, D005, P001):

- Acid titration – potassium oxalate (KC_2O_4), phenolphthalein indicator, 0.1Molar (M) sodium hydroxide

- Determination of solids in liquid – nitric acid; hydrofluoric acid

- Nitrite indicator – sodium nitrite, sulfuric acid, indigo indicator

- Diode array – a matrix solution (used frequently) containing nitric acid, sulfamic acid, ferrous sulfamate, and oxalic acid

- Oxalic acid molarity measurement – sulfuric acid, Na permanganate

- Density measurements – water, acid

- Solid sample dissolution – nitric acid, dilute hydrofluoric acid

- Plutonium precipitation – oxalic acid

In Np-237 Oxide Process

- Precipitation of and product quality determinations for neptunium Oxalate - hydrazine, nitric acid (Reference D007).

- Pu-239 processing - hydrazine mononitrate (Reference C105), which is pumped out of a 55-gallon drum in Cold Feed (outside of the process line) into a poly bottle and hand-carried down to the cabinet for addition by funnel.

In Pu-238 Oxide Process

- Prior to plutonium precipitation - ascorbic acid and hydrazine mononitrate used for plutonium valence adjustment circa 1985 (References C152, D056).

- Precipitation and filtration - oxalic acid. The precipitator and the precipitate are washed with a wash solution that contains oxalic acid, hydrazine mononitrate, and ascorbic acid in nitric acid (References C098, D056).

- Hydrazine mononitrate was used as a reducing agent in both the Old and New HB-Lines in the Oxide Line. It was also being used in Pu-239 processing in Phase II in 2002 (Reference C105).

- Nitrate solutions received from the H-Canyon frames were molarity-adjusted for nitric acid (References C116, D005, M061).

In addition to major process chemicals, other chemicals could be added by funnel addition in a process room; gloveboxes in these areas had inside and outside funnels (Reference C105).

HBL-Specific Chemical Information

SRS began to manage TRU mixed waste as RCRA beginning in June 1987 (Reference C088), around the time when they began implementing a TRU Waste Certification Program, of which HBL was a part, for waste to be disposed at WIPP (Reference C105). Under this program, HBL was audited in 1988-89, and began "to do better segregation of waste" and package and characterize it to meet program requirements, including segregating mixed waste from other TRU non-hazardous waste (Reference C105). From about 1986 forward, HBL waste generators were able to indicate HWNs applicable to the waste they were packaging on TWPDs, except that they did not indicate F001-F005 HWNs for solvent-contaminated wipes or rags; a review of these forms from the 1986-1990 time period (References M014, M066) reveals that generators assigned the number D008 for lead. By 1988, under the TRU waste certification program, liquids and sludges were segregated from certifiable waste prior to bagout, as verified by x-ray (Reference D088). Hazardous materials that could be disposed of in TRU waste were listed in procedures or posted in work areas.

TRU waste management changes were made in January 1990 in response to regulatory concerns with the management of solvent rags and potentially other hazardous wastes (Reference C006). At this time, SRS waste-generating facilities were asked to identify chemical inventories (Reference C067). On January 19, 1990, the SRS, Environmental Protection Department (EPD) issued a memo summarizing recent regulatory guidance that would require considering solvent-contaminated rags/wipes to be hazardous under certain conditions. Affected SRS activities were anticipated to include decontamination or degreasing "using Freon, acetone, methanol, methylene chloride, and other RCRA-listed solvents..." as well as trichloroethylene (TCE)-assisted decontamination activities (Reference C083). On January 25, 1990, the EPD issued guidance requiring generators to handle all rags and wipes as hazardous waste and noting that the guidance might affect decontamination, degreasing, lubricating, or any other activities that dissolved or mobilized other constituents (Reference C029). These memos were followed by two special procedures requiring that absorbent materials such as rags and wipes contaminated with F001-F005 solvents be classified as hazardous and that "use of unapproved solvents shall be discontinued except for Environmental Safety & Health (ES&H) purposes" (Reference C083). Waste generated prior to January 25, 1990, was to be segregated if it was suspected to be contaminated with solvents based on process knowledge.

Supplemental guidance issued on January 24, 1990, allowed rags contaminated with F003-listed solvents to avoid being considered hazardous provided that they did not contain free ignitable liquids (Reference C083). This policy was further supported in a February 6, 1990 memo outlining answers to generator questions regarding the solvent rag guidance and allowing the continued use of listed solvents such as Freon under certain conditions (Reference C083). As a result of this change, in October 1990, SRS Waste Management Operations stopped accepting newly generated waste until verification of a formal, auditable program to ensure proper management of hazardous and mixed wastes was completed for each generator (Reference C006). In addition, each Department was required to implement the site Blue Dot program for F-listed solvents and products containing Toxicity Characteristic (TC) constituents. This program required that a Blue Dot ID sticker be placed on any product that contained RCRA-listed chemicals (References C006, C105, P003). It was noted that "the Blue Dot" program was identified as the primary control for chemical products that become hazardous waste upon disposal, but notes that U- and P-listed chemicals were not controlled under the Blue Dot program (Reference D069).

An inventory conducted in January 1990 found hazardous chemicals stored in HBL with current MSDS information available (References C017, M051). The January 25, 1990 SRS EPD guidance on solvent rags was supplanted in HBL in August 1991 by a Blue Dot program for managing and labeling hazardous chemicals (References C090, P076). This program was noted in a 1991 TRU waste characterization document and other procedures, which noted that chemicals used in HBL are labeled with a Blue Dot under the Blue Dot Program if they may contain hazardous constituents (Reference D005, P003). By procedure, non-hazardous substitutes were to be researched for all

chemicals with hazardous constituents; if no substitute could be found and a Blue Dot chemical was used, "every attempt to use all the product shall be made," which HBL personnel recalled (References C105, P076). An example of the implementation of this procedure is the replacement of Magnaflux and SpotCheck with the non-hazardous chemical Magnaflux Spotcheck SDC-S (Reference M051). Also, the facility Chemical Coordinator was to be consulted to determine proper management of Blue Dot chemical-contaminated waste materials used for application or cleanup. Non-empty Blue Dot chemical containers were prohibited from being placed in waste containers (Reference P076). According to HBL personnel, a site wide program listed Blue Dot chemicals like Magnaflux (Reference C105). Under this program, nothing with a Blue Dot was supposed to be used in the cabinets or huts; however, White Dot chemicals were safe to use (Reference C105). The Blue Dot program was still in place in 1999 and may still be in effect in HBL (References C105, D067). Procedures provided instructions to HBL waste generators on completing waste characterization forms such as the BGR and TWPD (References C014, P026, P073).

The actual implementation of this program through the 1990s is documented to some degree in HBL procedures. According to HBL Waste Operators, they did start to segregate solvent rags out of TRU waste and place them in separate drums. HBL personnel noted that ascorbic/oxalic acids were used for cleaning instead of solvents; as a result, no organic solvent-contaminated kim wipes and swipes from inside of gloveboxes should have been packaged in TRU waste containers (References C105, P033). By 1993, procedures stated that liquids were to be removed from waste rags contaminated with F-listed solvents and that rags with F003 solvents were to be segregated from other F-listed solvent rags. Waste categories and any HWNs were written on an OSR 29-14 Hazardous Waste Label (Reference P090).

A 1996 procedure (Reference P026) describes the only HBL mixed waste generated routinely as "lead lined gloves that have been used in process cabinets." The type and quantity of mixed wastes were to be specified on Waste ID Slips stored with waste in a satellite area until containers were filled (or 11 5-gallon drums had accumulated) and then moved to a staging area (Reference P096). Storage of mixed waste in separate satellite accumulation areas was also specified in low-level waste procedures (Reference P103). Hazardous waste labels were explicitly required for waste cuts of lead-lined gloves. The procedure listed potential mixed waste in several places, but the exhaustive list includes lead, mercury, cadmium, acid, nitrates, and oil as major chemicals from HBL (References M037, P026); the procedure identified acids and nitrates as non-hazardous, provided that they were solidified. Figure 11, Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery, which was not referenced anywhere in the text of the procedure, listed F001-F005 RCRA-regulated solvents and instructs "Using the MSDS chemical composition section, products must have greater than 10 percent of the following contaminants and be used as solvents to require a blue dot and have special disposal requirements." No mention of solvent rags was made in this attachment. Solvent waste was considered procedurally as a separate category of waste from glovebox and hut wastes. The following guidance on packaging solvent rags was provided: remove as much solvent as possible from the rags, contact the waste

handling supervisor for solvent classification before disposal, segregate rags "permeated" with F003 solvents from rags "permeated" with other F-listed solvents, and identify the waste with a hazardous waste label listing the HWN (F001-F005). After a 1997 revision of this procedure, hut waste was moved into a separate procedure with the same number and all information regarding solvent waste was removed. The only mixed waste contaminants listed were lead, mercury, and cadmium (Reference P026).

Consistent with this procedure, other 1996 procedures included Waste ID Slips or other generator waste characterization forms with spaces on which generators were to indicate Hazardous Materials present in the drum, with the following options: lead, oil, cadmium, mercury, calcium, and other (References P015, P034). A cabinet bag-port operation procedure and other later procedures specified that wastes were allowed to have only the following WIPP-acceptable EPA HWNs, although waste with other EPA HWNs could be accepted for storage with an approved deviation request (References P015, P094). In a 1997 procedure on packaging 55-gallon TRU waste drums, only the following options were included for labeling drums with hazardous South Carolina Department of Health and Environmental Control waste numbers: D001, D008, F002, F003, and other (Reference P014), although by October 1997, this list was replaced with guidance to contact the facility Generator Certification Official (GCO) for wastes other than leaded gloves. The term "mixed waste" also applied to TRU mixed waste (Reference P014). These procedures also continued to specify that drums containing mixed waste were to be stored in a separate Mixed Waste Staging Area (Reference P014).

According to Solid Waste Management (SWM) personnel, SRS waste generators started to assign F, U, P, and other HWNs to TRU waste after 1996. SRS had an agreement with the state regulator that it would manage waste with all possible applicable HWNs and remove HWNs if needed as characterization information was obtained (Reference C146).

Waste stream SR-RH-221H.01 may contain waste generated in HBL prior to January 25, 1990. As such, HWNs historically applied to this waste stream have been assessed on the basis of HWNs applied by generators in the 1986-1990 time period on TWPDs (Reference M014) and HWNs applied by SWM to the entire pre-1990 inventory (References D018, D021, D034, D075, P052, P061), as shown in Table 4, Hazardous Waste Numbers Historically Applied (other than Metals). In addition to the HWNs shown in this table, the 1995 Transuranic Waste Baseline Inventory Report (TWBIR) suggested applicability of the following HWNs for HBL waste: D004, D006, D007, D008, D009, D011, D018, D023, D024, D025, D026, P012, P015, P048, P113, P120, U032, U052, U080, U133, U144, U151, U161, U220, U239.

Table 4. Hazardous Waste Numbers Historically Applied (other than Metals)

Chemical Name (Number)	Old RCRA permit drafts (D018, D075)	Repackaging procedures (P052, P061)	SRS SWM Determination (D059)
Halogenated spent degreasing solvents (F001)	Yes (carbon tetrachloride, perchloroethylene (PCE), trichloroethylene (TCE), 1,1,1-trichloroethane (TCA)	Yes	No Determination
Halogenated spent solvents (F002)	Yes (PCE, 1,1,1-TCA, and TCE)	Yes	No Determination
Ignitable spent solvents (F003)	Yes (acetone and methanol)	Yes	No Determination
Spent solvents (F005)	No	Yes	No Determination
Ignitable (D001)	Yes (Magnesium [Mg], phosphorus [P], Na)	Yes	Should not be applied
Reactive (D003)	Yes (hydrogen [H_2], Mg, P, and Na)	Yes	Should not be applied
Carbon tetrachloride (D019)	Yes	Yes	No Determination
Chloroform (D022)	Yes	Yes	No Determination
1,1-Dichloroethylene (D029)	Yes	Yes	No Determination
Tetrachloroethylene (D039)	Yes	Yes	No Determination
Trichloroethylene (D040)	Yes	Yes	No Determination
Vinyl Chloride (D043)	Yes	Yes	No Determination
Acetone (U002)	Yes	Yes	Should not be applied
Vinyl Chloride (U043)	Yes	Yes	No Determination
Chloroform (U044)	Yes	Yes	Should not be applied
1,1-Dichloroethylene (U078)	Yes	Yes	Should not be applied
1,2-Dichloroethylene (U079)	Yes	Yes	No Determination
1,4-Dioxane (U108)	Yes	Yes	Should not be applied
Hydrofluoric acid (U134)	Yes	Yes	Should not be applied
Methanol (U154)	Yes	Yes	Should not be applied
1,1,2,2-Tetrachloroethane (U209)	Yes	Yes	Should not be applied

Table 4. Hazardous Waste Numbers Historically Applied (other than Metals) (Continued)

Chemical Name (Number)	Old RCRA permit drafts (D018, D075)	Repackaging procedures (P052, P061)	SRS SWM Determination (D059)
Tetrachloroethylene (U210)	Yes	Yes	No Determination
Carbon Tetrachloride (U211)	Yes	Yes	Should not be applied
1,1,1-Trichloroethane (U226)	Yes	Yes	Should not be applied
Trichloroethylene (U228)	Yes	Yes	No Determination

In 2002, the SRS Solid Waste Division determined that the following RCRA HWNs did not apply to HBL/H-Canyon waste generated prior to 1986 (References C155, D059): U226 (1,1,1- trichloroethane); U209 (1,1,2,2-tetrachloroethane); U078 (1,1-dichloroethylene); U079 (1,2-dichloroethylene); U108 (1,4-dioxane); U002 (acetone); U211 (carbon tetrachloride); U044 (chloroform); U134 (hydrofluoric acid); D003 (hydrogen, mercury, phosphorus, and sodium); D001 (mercury, phosphorus, and sodium); U210 (tetrachloroethylene); U228 (Trichloroethylene); U043 (vinyl chloride); and U154 (methanol). These HWNs, as well as others (Reference C151), were "incorrectly applied" during SWM activities from 1992-2000, including drum retrieval operations (References C104, C155, D021, D024, D031, D059, M026, M034). The HWNs were initially applied after development of an exhaustive list of all chemicals that could have been present in the facility, followed by assignment of, "all waste codes associated with these chemicals," regardless of usage. During drum retrieval, although SWM believed that a more definitive basis for the HWN assignment was necessary, "in the interest of time, all the codes identified ... were assigned to these TRU waste containers" (Reference D059).

Potentially hazardous trade-name chemicals that were used or present in HBL include the following (References C017, C057, C105, C152, M051, P048):

- Triclene – TCE (Reference C105),
- EZ Weld Gray Polyvinyl chloride (PVC) Cement – tetrahydrofuran, up to 30 percent Methyl ethyl ketone (MEK), and up to 10 percent cyclohexanone,
- Raycohesive B-84 – 70 percent 1,1,1-Trichloroethane and 10 percent Methylene chloride (1994 formulation and MOR-AD B-32 (replacement for Raycohesive),
- Magnaflux SKC-NF/ZC-7B Cleaner/Remover – 1,1,1-Trichloroethane
- Trichlorotrifluoroethane/Freon (Reference C017)

- SpotCheck Developer (Reference C105) – 40 percent Ethyl Acetate, 30 percent Acetone, and up to 70 percent propanol in other formulations.

Additional chemicals used in the HBL, but that will not be hazardous in final waste form, included 3-36 aerosol lubricant with petroleum distillate, As Low as Reasonably Achievable 1146 strippable coating with water and polyvinyl butyral (References C012, C018, C105, M051), Aerokoil, BH-38 cleaner or appropriate substitute (Reference C020), Clorox, Crown Industrial Products Wasp & Hornet Killer with petroleum distillate solvent, Duco cement, Easy-Off oven cleaner, Elvacet with polyvinyl acetate, Freedom Speed Stripper (water-based), M-Bond 200 Catalyst for cyano acrylate resin, MS-230 Contact Re-Nu, Nokorode Soldering Paste, Rapid Tap, SC-200 cleaner with sodium hydroxide (References C017, C152, M051), SCD-2 (Reference C152), Scene glass cleaner – 12 percent ethanol, Spotcheck Cleaner-Remover (Reference C105) with light naphtha, Stripcoat TLC used on the inside of gloveboxes during D&R containing ammonia (References C105, C152), Xerox 6200/6500 Drum Cleaning Solvent with isoparaffinic hydrocarbons, and Alconox soap (Reference C152). Other products used for general cleaning and decontamination in HBL include Basic-H, Isoclean, HD 400, Formula 409, Blue Whiz, Zap-O-Kleen, Brillo, Comet, Tide, Borax, Clowhite bleach, Safest Stripper, oxalic acid, ethanol, and isopropyl alcohol (References M134, P049).

As previously mentioned, the lab line was a new facility in HBL beginning operation in 1991. Lab line chemicals did not include acetone, isopropanol, or any other flammable liquids in the lab due to high heat generation by the Pu-238 (Reference C136). Also, due to an incident in which tributyl phosphate (TBP) was found in H-Canyon sample vials in violation of Canyon specifications, the lab was prohibited from using any organic chemicals. Halogenated chemicals were avoided due to stainless-steel piping sensitivity to them. None of the chemicals for which SRS historically assigned HWNs were used in the lab line, with the exception of hydrofluoric acid and hydrazine (Reference C136).

New HB-Line sumps were constructed with a nitric acid flush system so that sump cleanouts of liquids and sludges were more infrequent than in the Old HB-Line (References C105, P025). Generally, cabinets were cleaned out and sumps were flushed out between isotopic campaigns (Reference C105), resulting in the recycling of many but not all spill residues (Reference D059). Recent procedures for cleaning up chemical spills consisted of obtaining an MSDS, contacting the HBL chemical coordinator for cleaning and disposal instructions, and washing nitric acid from contaminated combustible waste rags (Reference P077).

5.4.3.1 F-Listed Constituents

Based on review of AK relative to chemicals historically used or present in the HBL, waste stream SR-RH-221H.01 contains or is mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR, Part 261.31, *Identification and Listing of Hazardous Waste* (Reference 11).

As shown in Table 4, HWNs F001, F002, F003, and F005 were historically applied to SRS HBL TRU waste generated before 1990 for solvents including carbon tetrachloride, perchloroethylene, 1,1,1-trichloroethane, TCE, acetone, and methanol (References D018, P052). The HBL personnel during interviews could not remember using carbon tetrachloride, chloroform, dichloroethylene, 1,4-dioxane, chloroethylene, methanol, 1,1,2,2-tetrachloroethane, tetrachloroethylene, or vinyl chloride in Old HB-Line or in the 1980s in the New HB-Line (References C098, C105), except for carbon tetrachloride and chloroform used during the 1950s (References C104, C152, D059). Dioxane is not believed to have been present in HBL except perhaps as an impurity in commercial-grade trichloroethane (References C098, C105, D059). Also, no evidence was found that vinyl chloride has ever been used in HBL (References C098, C105, C136, C152, D059), nor were any procedures located that specified precautions or special handling techniques for this very reactive chemical. However, HBL personnel did recall that much more painting occurred in the Old HB-Line than in the new one due to better materials and coatings used in the construction of cabinets in the New HB-Line (Reference C105).

Several sources suggested that HBL TRU waste may have been contaminated with acetone (Reference C002). Acetone was believed to have been used for degreasing (Reference D059) and as a solvent by construction personnel (Reference C032). The Old HB-Line Operators recalled that acetone was used in the 1950s and 1960s to repair gloveports but not in the 1970s (Reference C098). Acetone was also used to clean the edges of "Mipple M" wall covering panels in rooms, although not in gloveboxes (Reference C105). Acetone was also present in up to 30 percent concentrations in Magnaflux Spotcheck products (References C098, C105, M051) that were used in HBL. After January 25, 1990, generators did not indicate a HWN for any F-listed solvent on their TWPDs or TWCCs (References M014, M015, M115) for any drums, nor did the procedures for completion of these forms mention any solvents during much of the time period of waste generation (Reference P073). Under the Blue Dot program, acetone would not have been used inside of gloveboxes; however, some evidence indicates that acetone was used during the 1990s as a solvent to remove plastic congealed on glovebox floors (Reference C158). Acetone would have been used outside of gloveboxes during decontamination events associated with glove failures, leaks, or other unusual events, such as the following HBL events that occurred from August 1986 to July 1996, possibly resulting in TRU waste generation: five leaks/inadvertent transfers; six personnel contaminations; two incorrect product feeds, and one glovebox fire (Reference D058). Acetone was also used by Maintenance to clean up contamination outside of gloveboxes during a contamination event that occurred in about 1994 (References C156, C157). Although this use might have generated low-level mixed waste with TRU isotope contamination <100 nCi/g consistent with LLW procedures (References D050, D092, P103), no low-level mixed waste contaminated with solvents has been generated in HBL since January 25, 1990 (Reference M098). The facility also stated that waste from this decontamination effort probably was packaged as TRU Waste (Reference C157). Acetone was also present in HBL chemical inventories in small (less than 1-gallon) quantities in 1990, 1991, and

1994 (Reference M099). In addition, it was on a year 2000 list of chemicals allowed to be stored for use in HBL (Reference D058), although the allowable quantity of this chemical was decreased (but not removed entirely) in a July 2001 revision. Finally, a 1996 TRU waste packaging procedure explicitly provided for the first time the option of assigning HWNs F002 and F003 if applicable (Reference P014).

1,1,1-Trichloroethane was not used as a pure commercial chemical (References C098, C105, C152), but it was present as the primary solvent in Magnaflux SKC-NF/ZC-7B Cleaner/Remover (Reference M051), which was used in the HBL (References C017, C105). As a result, the HWN F002 will be assigned for 1,1,1-trichloroethane.

TCE was used as a solvent in Raycohesive® B-32, a glue used to seal drum liner lids (References C057, P048). A HWN would not be assigned solely on the basis of this packaging-related use. One other source document also suggested that TCE was not used in HBL (Reference C032). However, TCE was the primary solvent in a trade-named chemical called Triclene that was used in the Old HB-Line (References C098, M051). Because of its solvent usage, the HWN F002 will be assigned for TCE.

In addition to information about chemicals included on lists of historically applied HWNs, evidence of the use of other solvents was found.

Freon was used as a coolant in the New HB-Line vessel vent system (Reference D003) and in the Old HB-Line process refrigeration units (References C032, C116). Some Freon from the vessel vent system was disposed due to a leak; this leak cleanup would have generated contaminated TRU waste (Reference C098), although Freon from this source would not be considered hazardous waste because it was not being used as a solvent. However, other sources suggest that Freon was used in HBL (References C002, C017) for decontamination (Reference C032) and/or as a cleaning agent throughout the facility (Reference C067), even though New HB-Line personnel stated that Freon was not used for decontamination (Reference C105). Based on this solvent/cleaning agent usage, the HWN F002 will be assigned for Freon (a chlorofluorinated hydrocarbon).

Source documents discussing MEK differ on whether it was (Reference C002) or was not used (Reference C032). It was definitely a solvent in PVC cement used in the facility (Reference C017). Because spent PVC cement may have been included in TRU waste containers, the HWN F005 will be conservatively assigned for this chemical.

Methylene chloride is expected only associated with use in the adhesive MOR-AD® B 32 (and in its predecessor Raycohesive® B-32), which were used to bond together Type II 90-mil drum liner lids and bodies used in conjunction with the 55-gallon U.S. Department of Transportation (DOT)-17C drums to package and transport TRU waste (References C057, P048, P059). Because its use is only associated with packaging, a HWN will not be assigned for this contaminant. Ethyl acetate was present at 40 percent

as a solvent in Magnaflux Spotcheck developer (Reference M051), which was used in HBL (Reference C105). Even though HWN F003 was originally assigned to CH waste stream SR-W027-221H-HET, the F003 constituents, including acetone, ethyl acetate and methanol are listed solely because these solvents are ignitable in the liquid form. The waste stream will not exhibit the characteristic of ignitability because it is not liquid; therefore, F003 is not assigned. Cyclohexanone was also identified but as a part of a chemical formulation not used for any solvent properties, therefore, F003 is not assigned for Cyclohexanone.

In summary, the following HWNs will be applied to the SR-RH-221H.01 TRU waste stream: F001 for carbon tetrachloride, 1,1,1 trichloroethane, tetrachloroethylene, and TCE (Reference C155); F002 for Freon, TCE, tetrachloroethylene, and 1,1,1-trichloroethane; and F005 for MEK. Although there were no industrial degreasing processes occurring in HBL (References C098, C105, D003, D005, D006, D048, D061), the F001 HWN will be assigned as shown above for the chlorinated hydrocarbons discussed per SRS guidance.

5.4.3.2 Toxicity Characteristic Constituents

Based on review of AK relative to chemicals used or present in the HBL and supporting operations, waste stream SR-RH-221H.01 is contaminated with toxicity characteristic compounds as defined in 40 CFR 261.24 (Reference 11). Where a constituent has been identified and there is insufficient quantitative data available to demonstrate that the concentration of a constituent is below regulatory threshold levels, the applicable EPA HWN is applied to the waste stream in accordance with the CCP AK procedure, CCP-TP-005 (Reference 3).

As shown in Table 5, Hazardous Waste Numbers Historically Applied for Metals, SRS has historically applied HWNs for cadmium, chromium, and lead to its pre-1990 TRU waste.

Table 5. Hazardous Waste Numbers Historically Applied for Metals

Constituent Name (Number)	From old RCRA permit drafts (D018)	From repackaging procedures (P052)	From generators (M014)
Cadmium (D006)	Yes	Yes	No
Chromium (D007)	Yes	Yes	Yes
Lead (D008)	Yes	Yes	Yes

A 1999 document listed the only hazardous constituents used in the HBL process as cadmium, lead, and chromium (Reference D067).

Former Operators and engineers from the Old HB-Line could not recall any use of arsenic, barium, or selenium in the facility (Reference C098), nor have HWNs ever been applied for these metals.

Various metals may be present from several sources. One possible source was the plutonium oxide product itself, which could have up to the following concentrations of impurities: Al–100 Parts per Million (ppm), Be–1 ppm, Cd–25 ppm, Cr–175 ppm, nickel (Ni)–100 ppm, Pb–100 ppm, and Zn–50 ppm (Reference C110). However, these are maximum allowable quantities, rather than average quantities likely to be present in waste materials. One source stated that "typical" quantities of these metals in plutonium oxide product are Cd–10 ppm, Cr–100 ppm, and Pb–10 ppm (Reference C139); due to the very small gram loading of plutonium oxide product on waste materials, it is not expected that plutonium residues alone could cause waste to meet the toxicity characteristic threshold for these metals. Concentrations of RCRA metals cadmium, lead, chromium, and mercury in plutonium stabilization products do not exceed RCRA regulatory thresholds (Reference D005). In terms of impurities in scrap materials being processed through Scrap Recovery, the major types of scrap that had been processed up to date 1975 included floor sweepings rich in iron oxide, plutonium–beryllium neutron sources (plutonium oxide and plutonium), plutonium-molybdenum cermets (with and without thorium oxide), oxide combinations such as plutonium oxide, zirconium oxide, and plutonium–thorium oxide, and plutonium–zirconium alloy (References C010, D006).

Cadmium was listed as a possible contaminant in HBL TRU waste (Reference C002), although other sources suggest that it was not used (Reference C032, C116). Cadmium was used in plates around the New HB-Line in the vessel vent system (Reference C098), although it was not used in the Old HB-Line (Reference C152). HBL also did not use cadmium-coated HEPA filters (References C110, D005). Several source documents have been reviewed that indicate that prevalence of cadmium (References C139, D067, P015, P034, P073) in HBL TRU waste procedures and documents from the time period of waste generation. Based on its possible presence, the HWN D006 will be assigned for cadmium.

Chromium may be present in waste due to stainless-steel construction of gloveboxes and highly acidic (nitric acid) atmospheres corroding this material (Reference C098). In particular, in the New HB-Line, process vessels in Scrap Recovery were constructed of Type 304L stainless-steel because of its corrosion resistance (References D003, D005). However, Toxicity Characteristic Leaching Procedure (TCLP) data regarding the leaching of Cr from Type 304L stainless-steel showed that only 0.10 milligrams per liter (mg/L) chromium leached from Type 304L, well below the toxicity characteristic level of 5 mg/L. Based on a study conducted in 1992, job control waste raw materials including yellow plastics do not contain enough chromium to exceed toxicity characteristic concentrations (Reference D041). Plutonium oxide powder with 100 ppm chromium, also does not sufficiently contaminate TRU waste to require the assignment of D007 for chromium (Reference C139). At this concentration in a drum with 50 kilograms (kg) of waste, about 2.5 kg of plutonium oxide product would have to be present in a single

container of waste, even assuming 100 percent leachability of the chromium. Chromium was also present at 25 ppm in standards and tracers used in the Lab Line (Reference C136), although only small amounts of such materials would have been disposed in TRU waste. Old HB-Line personnel did not recall using chromium in their processes (Reference C116). Waste generators listed chromium on five container characterization forms, but these containers have been excluded from corresponding CH waste stream SR-W027-221H-HET, and therefore will not be part of SR-RH-221H.01 (References DR013, M009, M014, M169). Since about 2003, additional wastes assigned EPA HWN D007 have been generated. This waste is not included in the SR-RH-221H.01 waste stream. For these reasons, HWN D007 is not assigned for this waste stream.

Lead is expected in HBL TRU waste (References C002, M014) primarily from lead-lined gloves (References C014, C027, C032, C080, C090, C098, C116, M014) and in glovebox panels that were of a sandwiched stainless-steel-lead-water-stainless construction with acrylic/lead glass windows (Reference D056). Although job control waste raw materials including yellow plastics do not contain enough lead to exceed toxicity characteristic concentrations (Reference D041), lead-lined gloves are frequently generated and managed as TRU waste due to their 56.1-73.7 percent lead per pair; generators conservatively estimate 74 percent lead when completing OSR 29-90 forms (Reference D005). No shielding or bricks are expected in HBL waste except possibly in D&R waste (Reference C098), although HBL did use lead shielding (Reference C116). The New HB-Line was constructed with lead in gloveboxes, acrylic and leaded glass on the windows at the entry station, charge preparation gloveboxes, and wing cabinets (Reference D003). The dissolver and product transfer glovebox in new Special Recovery had only lead shielding with leaded glass on the windows. Generators indicated on TWPDs completed during the 1986-1990 time period (References C010, M014) the HWN D008 for lead. According to a 1996 procedure, the only HBL mixed waste generated regularly was, "lead lined gloves that have been used in process cabinets," (Reference P026). Drums containing mixed waste such as leaded gloves were to be stored in the Mixed Waste Staging Area (Reference P014). Although an aggressive segregation procedure was in place (References C105, C136, C152, D067, P026, P073) and generators did not indicate D008 for the segregated containers, some of the segregated containers were found to contain lead during CCP confirmation activities (References C163, DR013, M014, M015, M115). Considering all of the potential sources, the HWN D008 will be assigned for this waste stream.

Mercury was not thought by Waste Management or the Old HB-Line personnel to be commonly used in the facility (References C067, C098, C116) in order to avoid contamination of product material, although it was occasionally included on Waste Management lists because of potential uses of mercury thermometers in non-routine operation such as tank calibration (Reference C067). The Old HB-Line personnel did not believe that they used such mercury measurement equipment due to the need for greater sensitivity (Reference C098), but they did recall removing mercury manometers that may have been part of a vacuum system in room 454, circa 1984

(Reference C156). Also, job control waste raw materials including yellow plastics do not contain enough mercury to exceed toxicity characteristic concentrations (Reference D041).

There should be few or no fluorescent bulbs in the waste, as there were no lights inside of the cabinets where such bulbs could become TRU-contaminated (References C098, C116, C152). While small quantities of fluorescent bulbs may be present in waste from use in huts outside of gloveboxes (Reference C152), such material is not expected to contain sufficient mercury to cause TRU waste drums to be hazardous. Sample data from analysis of randomly-chosen drums of crushed fluorescent tubes indicated that the EPA TCLP concentrations of metals in these drums either were not above regulatory limits in any of the samples or were not present in sufficiently high concentrations to render a TRU waste drum with only one or two fluorescent bulbs hazardous (References C148, M048). Also, mixed waste receipts indicate that two drums filled with fluorescent bulbs have been disposed as low-level mixed waste, which supports the idea that fluorescent bulbs from outside the glovebox are not sufficiently contaminated to be TRU (Reference M098). Mercury vapor bulbs, according to the author of Reference M098 were actually fluorescent bulbs that were disposed as low-level mixed waste (Reference M098).

The 1970s-era Technical Standards for enriched uranium and plutonium recovery (References D007, D055) identified mercury as being used in recovery ion exchange (at 0.01M concentration) and in the dissolution of plutonium-aluminum alloys or scrap containing metallic aluminum. However, HBL technical support personnel stated that, although the technical standards allowed these activities, the ion exchange operation never ran in Special Recovery, nor were targets or aluminum scrap ever dissolved, in part because Scrap Recovery never received material directly from SRS reactors, as they shut down in the mid 1980s (Reference C156). Mercury catalysis was performed in the Canyon as noted by Old HB-Line personnel (Reference C098), but mercury-catalyzed dissolution was also tested and performed in HBL Scrap Recovery (Reference D055). Mercuric nitrate was also listed in a 1978 SAR as a "principle toxic...material present in the HBL" (Reference D052). Alkaline batteries that may be in TRU waste because HBL personnel did use flashlights (Reference C098) may contribute very small amounts of mercury, although alkaline batteries would not be present in sufficient quantities to exceed toxicity characteristic quantities (References C150, C152). Finally, Old HB-Line personnel recalled that some mercury may have been found during D&R activities or in gloveboxes, associated with pumps and other equipment (Reference C156). Mercury was to be recovered by a vacuum flask aspirator and water, otherwise a spill kit was used. Mercury clean up materials were considered EPA Hazardous waste (Reference D001). Because there is a potential for thermometers, manometers, fluorescent bulbs, and other mercury-containing equipment in TRU waste, EPA HWN D009 will be assigned for this waste stream.

Since about 2005, the Scrap Recovery Facility has generated wastes assigned EPA HWN D011 for silver. This waste is not included in the SR-RH-221H.01 waste stream.

In summary, the following HWNs will be applied to the SR-RH-221H.01 for metals: D006–cadmium, D008–lead, and D009–mercury.

Methylene chloride is the only solvent-type chemical used in HBL for which an F-listed HWN could not be assigned due to its non-solvent use. However, methylene chloride is not listed as a toxicity characteristic organic solvent. SRS has determined, however, that the following HWNs should be assigned to the waste stream (Reference C155), although no evidence of the use of some of these chemicals has been found as summarized in Section 5.4.2: carbon tetrachloride – D019, chloroform – D022, 1,1-Dichloroethylene – D029, tetrachloroethylene – D039, TCE – D040, and vinyl chloride – D043.

5.4.3.3 U- and P-Listed Constituents

With the exception of hydrazine (HWN U133), this waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 11). No other P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, other chemicals are present only as contamination on waste materials, rather than as pure commercial chemical product. Other process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (References 11, 14, M169).

A 1995 SWM document (Reference D059) describes that the process piping in HBL is welded stainless steel and contains no mechanical joints. Because process vessels are enclosed in cabinets and, in the New HB-Line, piping outside of cabinets was jacketed, spills were minimized, though not eliminated. In the Scrap Recovery process, four types of events were described that could create MTRU waste: leaks, dropped containers, overflow of process vessels such as dissolvers and product hold tanks, and uncontrolled chemical reactions, some of which are known to have occurred (References C098, C105, C114, D005, D064, D065, D066), in addition to other waste generating events such as glove failures. Cleanup operations from such events could result in spilled listed material entering the TRU waste stream, especially given that the Old HB-Line sumps were not equipped with nitric acid flush systems (Reference C105).

The SRS Solid Waste Division determined that the RCRA HWN U134 for hydrofluoric acid did not apply to HBL/H-Canyon waste generated prior to 1986, the basis for this determination was the belief that hydrofluoric acid had not been used in the facility (Reference D059). Old HB-Line personnel recalled that hydrogen fluorine ceased to be used after 1973 (Reference C098), was used only before 1970 in the Pu-239 oxide process (Reference C152), and/or was never used in Special Recovery

(References C104, C116, C152). References to ubiquitous use of fluoride ion in Scrap Recovery (Reference D055) are consistent with information from Old HB-Line personnel that they used potassium fluoride, rather than hydrofluoric acid (Reference C152). On the other hand, technical standards state that hydrofluoric acid was brought into the New-HBL as a liquid during the Cassini mission (10/90-6/95 in Scrap Recovery, 1/93-8/95 in plutonium oxide) to adjust fluoride concentrations (References D005, D050). However, HBL managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical (Reference C156) or used as a pure chemical in any process, consistent with scrap dissolution procedures (Reference P105). Hydrofluoric acid was also used in the lab line during the Cassini Impurity Analysis Program from about 1994-95 for determination of solids in liquids, for solid sample dissolution, and in standards used for trace metals analyses (although it would not have been the sole active ingredient in the latter formulation) (Reference C136). However, all lab chemicals were prepared in Building F/H Area Laboratory (Reference C136) and bagged into the HBL after dilution; hydrofluoric acid was diluted to 0.1 M strength with nitric acid before entry into HBL for solids dissolution (Reference P104), so that pure chemical hydrofluoric acid could not have contaminated HBL TRU lab waste. Because hydrofluoric acid was not brought into HBL as a pure commercial chemical and was used for its intended purpose, the HWN U134 will not be assigned for this waste stream. Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during neptunium oxalate precipitation; the maximum allowable concentration was 0.15M (References D007, D055). Some Old HB-Line Facility personnel did not believe that pure liquid hydrazine was disposed as TRU waste (Reference C152), or only recalled using hydrazine mononitrate (References C098, C104, C105, M058, M062, M063), while other personnel discussed use of hydrazine (References C116, C152). However, it is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery, as previously described. On this basis, the HWN U133 will be assigned for hydrazine (Reference 14).

Beryllium is expected to be present in TRU waste as a contaminant in plutonium oxide product (Reference C110) and because of the dissolution of plutonium-beryllium neutron sources and plutonium oxide.beryllium mixtures in Scrap Recovery (References D005, D006, D067, D115). Any beryllium that was dissolved, however, was sent to the H-Canyon as solution where the plutonium was recovered and the remaining solution (including beryllium) was discarded to waste tanks. Any beryllium remaining in the Scrap Recovery Facility TRU waste would be present only in trace quantities (References C178). Waste packages that contain beryllium are therefore expected only in particulate form as an impurity or in residual trace amounts less than 1 percent by weight of the waste in each drum (References M122, M133). Beryllium was never known to have been brought into the facility as a pure commercial chemical in powder form (References C151, D059). Therefore, waste stream SR-RH-221H.01 is not a P015-listed waste for beryllium powder.

In summary, only U133, Hydrazine, is assigned to this waste stream from the U- and P-Listed chemicals (References 11,14).

5.4.3.4 K-Listed Constituents

The materials in waste stream SR-RH-221H.01 are not hazardous waste from any of the sources specified in 40 CFR 261.32 (Reference 11). Therefore, waste stream SR-RH-221H.01 is not assigned a K-listed HWN.

5.4.3.5 Ignitables, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261. Ignitable and reactive materials are not believed to be present in HBL TRU waste. Corrosive liquids also are not anticipated due to liquid waste absorption procedures that go back to the early 1970s; however, any containerized liquids found in TRU drums will be removed prior to certification of waste for disposal at WIPP. Operating procedures required all acids to be neutralized and all pyrophorics to be reacted before being packaged in TRU waste (References C067, P018, P094, P113). It is important to note that SRS treated absorbed acids and bases as non-hazardous based on the results of tests on absorbed nitrates (neutralized nitric acid), the largest potential corrosive material in job control waste, which indicated such waste to be non-hazardous (References C067, P073). Rinsing and neutralization of acid-soaked sponges and rags was required (References P026, P108). No free liquids were packaged for disposal (References P014, P094). This prohibition remained in place throughout the time period of waste generation, as evidenced by the prohibition against free liquids in the SRS WAC (Reference P050). Free liquids were instead required to be absorbed since at least 1977 with Celite (diatomaceous earth), soda ash, polyester cloths, and Oil-Dri (fullers earth and quartz) in a 3:1 ratio (References D005, D018, P015, P056, P063, P083, P094). Oily rags were also required to be packaged with 3:1 ratio of Oil-Dri absorbent to absorb any oily liquid (Reference P026). No RCRA-regulated quantities of ignitable, corrosive, or reactive chemicals in routine HBL TRU waste, including pyrophorics and explosives, are expected in this waste stream (References D005, P014, P015, P018, P073, P094, P113).

Throughout the period of waste generation, generators were also required to record on TWPDs the quantity of pyrophorics and/or explosives (pyrophorics are not normally present in the HBL Facility), any absorbents in the drum, and verification of no free liquids present in the drum (References P015, P018, P073, P094, P113). No pyrophorics or explosives have been noted during the review of TWCCs (References M014, M015, M115, M125, M127, M133, M169).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in

40 CFR 261.21 (Reference 11). Ignitable liquids and oxidizers were used in H-Canyon and FB-Line operations. However, the waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (D001) (References 11, 14, M169).

Although they were historically assigned HWNs (References D018, P052), sodium, phosphorus, and magnesium were not used as pure metal in the HBL process or associated activities (References C098, C116, C136, C152, D059). The facility did use non-reactive magnesium oxide (Reference C098). Calcium also was not used in HBL (References C098, C116).

Oxidizers are known to have been used throughout the time period of waste generation in operating areas where TRU waste has been generated or handled. Nitric acid in particular was used extensively as a process chemical (References C001, D007), as were hydrogen peroxide, iron nitrate, permanganates, and aluminum nitrate (References C098, C116, D058, D060, M058, M062, M063, P001). Hydrogen peroxide was used for Pu-239 processing probably in Scrap Recovery (References C098, C116). Hydrogen peroxide was removed from the HBL Basis for Interim Operations (BIO) (Reference D058) in a July 2001 revision. Permanganate used in the Lab Line was reduced with nitrite and excess sodium permanganate solution that was infrequently used was solidified or absorbed (Reference C136). Old HB-Line personnel recalled having a procedure that required neutralization of acids and possibly of such oxidizers (Reference C098). A 1974 procedure (Reference P063) for handling radioactive waste gave special instructions for "wet solid waste," which consisted of acid-soaked sponges, rags, atomic wipes, or polypropylene cloths. Such waste was to be rinsed with water to remove any product and acid and then packaged with diatomaceous earth absorbent to absorb moisture (Reference P063). SRS also used a polypropylene felt, tested in 1965, for cleaning to minimize fire hazards due to oxidation of cellulosics (Reference C099). SARs and other documents from the 1990s maintained that free liquids were not packaged for disposal (Reference D088), but were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (Reference D005). Aerosol cans may be present in waste and could contain flammable liquids if not punctured (Reference C116).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22 (Reference 11). The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (D002) (References 11, 14, M169).

The following corrosive chemicals were shown on a 2000 BIO report: nitric acid, sodium hydroxide, sodium hypochlorite, and sulfuric acid, as well as oxalic and ascorbic acids (Reference D058). Nitric acid was also used in New HB-Line for sump flushing (Reference C105). Caustics might also have been used during D&D (Reference M021). Neutralization kits were primarily used in HBL Special Recovery (References C105, C136, P027, P072, P082, P083, P108) and appear very often in generator waste descriptions (References M014, M015).

Beginning in the early 1970s, residual chemicals disposed in TRU waste were required to be absorbed and/or neutralized (References C032, C067, C098, P063). By 1989, SRS had tested absorbed/neutralized nitric acid and determined that it was non-hazardous for corrosivity (References C032, C067). Also, as previously stated, TRU waste containers were not to contain free non-residual liquids (References C098, D005). As early as 1974 and up to the present day, operating procedures and Solid Waste requirements (Reference D088) have required all acids to be neutralized (References C067, P093). If acids had been present on waste materials (such as rags), the materials were rinsed with water and then neutralized before being packaged with absorbent and sealed separately (References C078, P056, P070).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23 (Reference 11). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (D003) (References 11, 14, M169).

As previously stated, there were no reactive metals such as sodium, phosphorus, magnesium, or calcium used as pure metal, although HBL did use magnesium oxygen (Reference C098), a non-reactive oxide. Also, as of 1988 and by procedure even earlier, there were no routine TRU waste streams at SRS that contained pyrophoric materials or explosives (Reference D088).

During an interview, HBL generators stated that explosives are not expected in HBL waste, as HBL did not dispose of plutonium metal in drums. In addition, although changed out every five years (Reference C140), small explosive charge squibs in the fire system were replaceable from outside of the gloveboxes and therefore, if they were disposed as waste, would not have been sufficiently contaminated to be transuranic (References C098, C140, C152). Hydrazine mononitrate was identified as an HBL process chemical through the mid 1980s, having been used as a dissolution process catalyst (References D007, D055). However, because it was a liquid, it would not have

been placed in TRU waste containers without being absorbed, so it would not be considered to be explosive or reactive (Reference C152).

Non-radionuclide pyrophorics were not present in HBL operating area (Reference C001), although the radioactive pyrophoric plutonium was present. Under the certification program instituted in 1986, any pyrophorics were required to be treated to be non-pyrophoric (References C032, C067, P050) prior to packaging as TRU waste. Potentially air-reactive resins used in HBL processes are not packaged as TRU waste, but sent to the H-Canyon for disposal (References D005, D050). Under the TRU waste certification program in place during the period of waste generation, any potentially pyrophoric materials were identified in operating procedures and were required to be segregated and labeled non-certifiable (Reference P050).

5.4.4 Polychorinated Biphenyl's (PCBs)

Polychorinated biphenyl's (PCBs) are not expected to be present in this waste. Potential sources of PCBs include oil-filled electrical equipment, fluorescent light ballasts, and hydraulic oils. There were no large electrical units (capacitors) identified for this building (Reference C084) and no such electrical equipment identified in this waste (Reference C116). There were no fluorescent light fixtures located inside gloveboxes (Reference C105). Hydraulic oils (References C116, C152) used in the HBL were evaluated and found not to contain PCBs (Reference C161). Contaminated oil in neptunium-Line hydraulic system sumps was absorbed in liter bottles (Reference C105) but would not contain PCBs because it would have been manufactured long after the date on which PCB manufacture was banned in the U.S. Therefore, waste stream SR-RH-221H.01 is not regulated as a Toxic Substance Control Act (TSCA) waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitions* (References 22, M169).

5.4.5 Prohibited Items

A discussion of specific prohibited items in HBL waste follows, but it should be noted that aerosol cans, liquids, and other prohibited items were to be excluded from waste drums when the WAC were published in about 1987. Prohibited items included pyrophorics, liquids, particulates, flammable liquids, aerosol cans, and resins (Reference C105). As discussed in the Section 5.4.3, pyrophorics and explosives are not expected in this TRU waste stream. As described in the following subsections, no compressed gas cylinders or explosives are expected (Reference C105). Any prohibited items identified during radiography will be processed (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers) to correct the deficiency (References P109, P110, P111, P112).

Free Liquid:

A letter written in 1976 discussing HBL packaging requirements states that no free liquids were to be sent to the Burial Ground. Excess liquid was to be pressed from all rags, polypropylene wipes, and other similar waste materials saturated with liquid. The waste was to be packaged loosely with at least a 3:1 volume of absorbent to suspected liquid in the plastic bags (References C078, C098, P056, P057, P070, P094). Materials that could not be pressed for liquids (e.g., HEPA filters) were to be packaged with excess absorbent in the inner bag (there should not have been a barrier like a plastic bag between absorbent material and the materials suspected to contain liquid) (Reference C078). One interview of HBL Generators states that they were required to absorb liquids (Reference C098). This statement is confirmed in a document titled "*Characterization of HB-Line Transuranic (TRU) Waste (UCNI),*" prepared by the Separations HBL Facility. The document states that no free liquids were packaged for disposal. Free liquids were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (References D005, P048, P063, P070, P083).

In 1971, bottles were to be filled to no more than 90 percent capacity, sealed tightly, and packed with sufficient absorbent material, such as vermiculite, to absorb any liquids (Reference P057). In 1974, and after, Celite was used to absorb for aqueous waste or Oil-Dri (fullers earth and quartz) was used for contaminated oil (References P045, P057, P063, P070). The bottles were shaken and sealed with tape then double-bagged with a layer of Celite between layers (References P063, P070). Absorbed contaminated oil was to be treated as combustible and absorbed aqueous waste was to be non-combustible (Reference P070). Burial ground procedures throughout the 1970s and 1980s required that expendable steel cans and drums be used for ignitable materials like oily rags (Reference P057). For loose materials or smaller containers that had been prewrapped and packed in cans, tight fitting lids or covers were used to seal them dust tight with gaskets or pressure sensitive tape (Reference P057). Free liquids were also drained from punctured aerosol cans (Reference D088).

TRU debris waste drums with containerized liquids where the liquid exceeds the amount allowed by WIPP-WAC are transferred to F/H Area Laboratory, Savannah River National Laboratory, or F-Canyon where the drums are opened, and the liquid is immobilized. The liquids are added to a bottle containing a pre-measured amount of No Char absorbent. Once absorbed, the immobilized liquids are then placed back into the original debris drum (References 6, P106, P107).

Compressed Gases:

Pressurized vessels in the TRU waste streams, such as aerosol cans, were either segregated or punctured and drained of free liquids, as verified by radiography. HBL generators stated in an interview that aerosol cans should be expected in the waste, but compressed gas cylinders would not be in TRU waste drums, since they were not used inside of cabinets (Reference C098). Another generator indicated that

the use of aerosol cans inside gloveboxes was limited so they would most likely be found in LLW containers and that aerosol cans disposed in TRU waste containers would be punctured (Reference C105). Still another generator interviewed confirmed the presence of unpunctured aerosol cans (mostly spray paint cans) in LLW containers. He stated that cans were punctured beginning in the late 1980s (Reference C152). According to a September, 1990 guidance memo, the spray cans were to be segregated and punctured (Reference C011). In the operations Pre-Plan Checklist Procedure, Operators were to ensure that aerosol cans were depressurized with no free liquids remaining (Reference P016).

Sealed Containers Greater than Four Liters:

One interviewee stated that there could be lots of plastic bottles ranging in size from approximately 500-ml to 2-gallons (Reference C094). Therefore, sealed containers greater than four liters in size are possible in this waste stream.

5.5 Waste Packaging

Generally, waste items were bagged out of cabinets, transferred to a container for assaying, then placed into a storage container like a 55-gallon drum.

During the 1970's, waste from HBL was double-bagged and then placed in a plastic bag lined 5-gallon pail (References P048, P063). Liners were placed in steel drums and were loaded from accumulated waste packages (Reference P048). When the drum was filled, the plastic bag was closed, taped, and folded down inside of the liner. Liner lids were sealed and marked with the BGR number and then the drum was sealed (Reference P048).

From the early 1980s on, cabinet waste materials were to have sharp edges taped to prevent puncturing prior to transfer (References P067, P094). Bags removed from a cabinet were to be twisted and taped (into a horsetail or J-wrap or fold-and-taped, References D031 and P094) and placed into three additional plastic bags that were individually sealed with tape (References P067, P094). Waste was bagged out of the lines in 5-gallon cans or a 30-gallon gray tub so that they could be assayed (Reference C105). If waste was placed in a 5-gallon can, the lid was sealed with plastic tape and contents identified with a label and monitored with a Pulse Height Analysis (References D009, P014, P067). If no contamination was detected on the liners, the bag port bag was twisted and wrapped several times with tape, cut with the exposed end taped over, and placed into a drum liner with the drum liner bag sealed (Reference P014). If there was any contamination detected, another layer would have been added to the waste package (Reference C105). Five-gallon pails could possibly have been placed directly into drum liners (with a hole punched in the lid) if the waste cut bag was found to be contaminated; however, pail lids are never crimped shut, only taped (References C098, C105). Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner

drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without a lid (Reference 14).

Due to high radiation rates, disposal of Np material, as waste, sometimes required shielding material, (e.g., steel shot or depleted uranium), be added to the drum (Reference C024).

6.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.02

This section presents the waste stream information required by the WCPIP and the WIPP-WAP for waste stream SR-RH-221H.02 (References 1 and 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

6.1 Area and Building of Generation

Waste stream SR-RH-221H.02 was generated in the Building 221 H-Canyon. Specifically, the silver coated ceramic Berl saddles included in waste stream SR-RH-221H.02 were generated from the H-Canyon process off-gas system (References C217, D124, D127, M183).

6.2 Waste Stream Volume and Period of Generation

Waste stream SR-RH-221H.02 currently consists of two concrete shielded casks (5.7 m^3) generated in 1989. The 29-90 forms for the two casks identify the gross weight as 25,855 pound each, and the tare weight as 23,000 pounds each, giving a net waste stream weight of 5,710 pounds total. Given that F-Canyon Berl saddles packaged in 55-gallon drums (waste stream SR-RH-FBL.02) have an average net weight of approximately 300 pound each, this waste stream is projected to generate approximately 20 55-gallon drum following repackaging of the casks. This RH waste stream does not have a corresponding CH waste stream. No additional waste is forecast to be generated because the H-Canyon has been deactivated and is no longer in service; however, the estimated volume and generation dates may change based on remediation and repackaging operations (References 20, C217, M183).

6.3 Waste Generating Activities

Waste stream SR-RH-221H.02 was generated during scrap recovery and neptunium, plutonium (Pu-238 and Pu-239), and uranium production as described in Section 4.7. The primary function of H-Canyon was the chemical separation of the isotopes of neptunium and plutonium from old SRS reactors and from uranium and plutonium scrap material received from off-site sources for dissolution and recycle to canyon facilities (Reference D052).

H-Canyon was equipped with two chemical dissolvers and an electrolytic dissolver. Feed material containing components that could not be dissolved chemically in nitric acid were dissolved electrolytically. Volatiles generated during dissolution from all dissolvers were ducted to the dissolver off-gas system. This system included iodine reactors designed to remove radioactive iodine (I-129) from the off-gas. The off-gas entered the reactor cartridge where radioactive iodine was removed by contacting a bed of silver nitrate-impregnated reaction media. The media consisted of ceramic

saddle-shaped pieces called Berl saddles. Silver iodide and silver iodate were formed in the reaction. The dissolver off-gas system is illustrated in Figure 14, H-Canyon Dissolver Off-Gas Heater and Iodine Reactor (References C217, D124, D127, M183).

6.4 Type of Waste Generated

This section describes the process inputs, Waste Matrix Code assignment, WMP weight estimates, radionuclide contaminants, and RCRA hazardous waste determinations for waste stream SR-RH-221H.02. The waste stream is characterized on knowledge of the materials, knowledge of the processes generating the waste, and physical descriptions of the waste.

6.4.1 Materials Related to Physical Form

Waste stream SR-RH-221H.02 is comprised of spent Berl saddles. The current inventory of RH containers included in this waste stream consist only of Berl saddles with plastic bags and plastic sheets. A single Berl saddle is approximately 0.5-inches wide and 0.7-inches in length and is composed primarily of silicon dioxide and aluminum oxide (References C217, D127,M183).

6.4.1.1 Waste Matrix Code

Based on the evaluation of the materials contained in this waste stream and information recorded by the generator on the 29-90 forms, this waste stream is comprised of silver coated ceramic Berl saddles. However, the generator estimated the contents of containers in this waste stream to include 27 percent by weight plastic bags and plastic sheeting material. Additionally, repackaging or remediation of waste currently contained in casks could result in drums containing secondary waste from repackaging operations. Therefore, the waste stream estimate does not exceed 80 percent by weight of either inorganic or organic materials. Therefore, the waste stream is assigned Waste Matrix Code S5400. Waste Matrix Code S5400 is assigned to debris wastes that do not meet the definition of S5100 (Inorganic Debris) or S5300 (Organic Debris) (Reference M183).

6.4.1.2 Waste Material Parameters

Waste material parameter weights are estimated by the generator and recorded on the 29-90 form for containers in waste stream SR-RH-221H.02. An evaluation of the 29-90 data was performed, the results of which are presented in Table 6, Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates (References M183). Both casks reported the same relative quantities of other inorganic materials (saddles) and plastic. This evaluation is documented in a memorandum (included with CCP-TP-005, Attachment 6) as required by CCP-TP-005 (Reference 3).

Table 6. Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates

Waste Material Parameter	Weight Percent*
Iron-based Metals/Alloys	0.0%*
Aluminum-based Metals/Alloys	0.0%*
Other Metals	0.0%*
Other Inorganic Materials	72.7%
Cellulosics	0.0%*
Rubber	0.0%*
Plastics (waste materials)	27.3%
Organic Matrix	0.0%*
Inorganic Matrix	0.0%*
Soils/Gravels	0.0%*
Total Inorganic Waste Avg.	**72.7%**
Total Organic Waste Avg.	**27.3%**

*Lesser amounts of other WMPs not reported by the generator may be identified during repacking and/or radiography.

6.4.2 Radiological Characterization

Limited data was available to SRS to determine the radiological distribution in H-Canyon Berl saddles. No NDA measurements were made, and sampling of the saddles was deemed impractical. To establish an estimate of radionuclide content of H-Canyon Berl saddles, several assumptions were made, including the total quantity of U-235 in the saddles, and Np-237 and plutonium isotope ratios to U-235 were based on recent production runs in H-Canyon and other historical documents. Based on limited data and assumptions documented in SRS Calculation Number X-CLC-E-00023 (Reference M183) SRS concluded the H-Canyon Berl Saddles should be managed as RH TRU waste. No dose measurement data was available for containers in waste stream SR-RH-221H.02 at the time this report was issued. (References C217, M183).

To summarize the radionuclide distribution in this waste stream as determined by SRS, data from 29-90 forms for the two casks included in this waste stream were evaluated. To determine radionuclide ratios, the total gram value for each individual reported radionuclide was divided by the total mass for all radioactive elements and the weight percentage for each radionuclide was determined. This is illustrated as "Radionuclide Wt%" in Table 7, SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02.

The SRS radiological estimate did not include an estimate for I-129. I-129 was estimated present in F-Canyon Berl saddes at 1.75 percent by weight (References 13 and 20), and I-129 is anticipated in H-Canyon Berl saddles. The WIPP-WAC does not specifically require reporting of I-129, and it has an unlimited A2 value (49 CFR 173.435) which means it does not contribute to 95 percent of the radiological hazard for transportation (References 13 and 20). Although SRS

Calculation Number X-CLC-E-00023 only quantified a limited number of radionuclides in H-Canyon Berl saddles, other source documents anticipate I-129 and other mixed fission and activation products, such as Co-60, Sr-90, Ru-106, Sb-125, Cs-134, Cs-137, Ce-144, Pm-144, Eu-154, Eu-155, to be present in H-Canyon Berl saddles (Reference D127).

CCP will determine the isotopic composition of waste stream SR-RH-221H.02 and describe how that determination was made in CCP-RC-SRS-601A, *Central Characterization Project Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site Remote-Handled Transuranic Debris Waste, Waste Stream: SR-RH-221H.02* (Reference 21). The information contained in this section is only intended to provide historical AK data related to the management of this waste stream by SRS.

Table 7. SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02

Radionuclide	Containers Reported	Radionuclide wt %[1]	Radionuclide Ci %	Expected Yes/No
WIPP Required Radionuclides				
Am-241	0	Not Reported		Yes
Pu-238	2	0.24%	98.53%	Yes
Pu-239	2	0.56%	0.85%	Yes
Pu-240	2	0.10%	0.58%	Yes
Pu-242	2	0.01%	<0.01%	Yes
U-233	0	Not Reported		Yes
U-234	0	Not Reported		Yes
U-238	0	Not Reported		Yes
Sr-90	0	Not Reported		Yes
Cs-137	0	Not Reported		Yes
Additional Radionuclides				
Np-237	2	2.06%	0.04%	Yes
U-235	2	97.03%	0.01%	Yes

[1] This indicates the total weight percent of each radionuclide over the waste stream.

6.4.3 Chemical Content Identification – Hazardous Constituents

Waste stream SR-RH-221H.02 has been historically managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for Berl saddle waste. Instead, RH and CH waste containers were managed individually as hazardous waste containers. The original SRS EPA HWNs assigned to containers of Berl saddles have been retained (i.e., D009, D011). However, a review of available AK documentation

has determined that an additional HWN (D007) applies to the Berl saddle waste because of the limited quantitative data available for H-Canyon Berl saddles. Therefore, the EPA HWNs listed in Table 8, Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary, will be assigned to this waste stream. The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste stream as a whole (References D127 and M183).

Table 8. Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary

EPA Hazardous Waste Number	Constituent
D007	Chromium
D009	Mercury
D011	Silver

6.4.3.1 F-Listed Constituents

This waste stream is not mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31 (Reference 11). SRS has not identified any F-listed hazardous constituents in this waste, and review of AK documentation found no potential source of any spent solvents used in the process that could contaminate the waste. The waste stream consists only of H-Canyon Berl saddles used in the dissolver off-gas system to remove radioactive iodine. Therefore, no F-listed EPA HWNs are assigned to waste stream SR-RH-221H.02 (References D127 and M183).

6.4.3.2 Toxicity Characteristic Constituents

This waste stream exhibits the characteristic of toxicity per 40 CFR 261.24 (Reference 11). Where a constituent has been identified and there is no or limited quantitative data available to demonstrate that the concentration of a constituent is below the regulatory threshold level, the applicable EPA HWN is applied to the waste stream (Reference 11).

Based on the evaluation of the AK source documentation, this waste stream contains or is contaminated with toxicity characteristic metals. Chromium (D007) was identified in the electrolytic dissolver solutions. Although SRS concluded chromium concentration would be below regulatory limits based on a mass balance evaluation, the parameters and assumptions used could not be confirmed. Mercury (D009) was identified as an ingredient in process chemicals (mercuric nitrate was used as a dissolution catalyst) and a potential contaminant of Berl saddles. Silver (D011) was identified as a constituent of Berl saddles. Therefore, EPA HWNs D007, D009, and D011 are assigned to waste stream SR-RH-221H.002 (References D127 and M183).

Based on the evaluation of the AK source documentation, this waste stream is not contaminated with toxicity characteristic organic compounds. SRS has not identified any D-listed organic hazardous constituents in this waste, and review of AK documentation found no potential source of any organic hazardous constituents used in the process that could contaminate the waste. Therefore, no EPA HWNs are assigned for toxicity characteristic organic compounds (References 11, D127, and M183).

6.4.3.3 U-and P-Listed Constituents

This waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 11). No P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, chemicals are present only as spent and contamination waste material, rather than as pure commercial chemical product. There is also no indication that the U-listed waste found in HBL waste is present in this waste stream (e.g., hydrazine). Process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (References 11, D127, and M183).

Materials that contained beryllium were identified in the Scrap Recover process in the H-Canyon. Beryllium was not listed as present on the 29-90 forms for containers in the waste stream, additionally, any small quantity of beryllium present in the waste would not be in the form of unused beryllium powder and, therefore, waste stream SR-RH-221H.002 is not a P015-listed waste. Beryllium will not be present in amounts greater than one percent by weight of the waste in each payload container (References 11, M183). Hydrofluoric acid was not identified as a process chemical associated with the H-Canyon dissolvers. Therefore, EPA HWN U134 is not assigned to the waste stream (References 11, M183).

Therefore, this waste stream is not assigned P- or U-Listed EPA HWNs.

6.4.3.4 K-Listed Constituents

The materials in waste stream SR-RH-221H.02 is not hazardous waste from any of the sources specified in 40 CFR 261.32 (Reference 11). Therefore, waste stream SR-RH-221H.02 is not assigned a K-listed HWN.

6.4.3.5 Ignitable, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261 (Reference 11). Based on a review of the historic SRS waste management practices, waste segregation and packaging practices, and documentation for each container, no ignitable, corrosive, or reactive materials were disposed in waste stream SR-RH-221H.02. In addition, prohibited items (e.g., prohibited amounts of liquids and pressurized containers) identified during

radiography will be remediated or removed from waste containers prior to shipment to WIPP (References 11, D124, D127, and M183).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in 40 CFR 261.21 (Reference 11). Ignitable liquids were not used in H-Canyon dissolver and off-gas treatment system. The waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (D001) (References 11, D124, D127, and M183).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22 (Reference 11). Corrosive liquids were used; for example, nitric acid was the primary agent used in the dissolvers. However, there is no indication that Berl saddles contain nitric acid. The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (D002) (References 11, D124, D127, and M183).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23 (Reference 11). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (D003) (References References 11, D124, D127, and M183).

6.4.4 Polychlorinated Biphenyls (PCBs)

Based on a review of the container documentation, materials potentially containing PCBs were not specifically identified (capacitors, ballasts, etc.). Based on the materials in this waste stream as described in the 29-90 forms, PCB items are not expected to be present. Therefore, this waste stream is not regulated as a TSCA waste under 40 CFR 761 (References 22, D127, M183).

6.4.5 Prohibited Items

No prohibited items are anticipated to have been packaged into this waste stream; however, prohibited items have been identified in debris waste streams from HBL, including prohibited liquid, aerosol cans, and sealed containers greater than four liters (Refer to Section 5.4.5). If prohibited items are encountered during radiography, these items will be removed from the containers or remediated (Reference M183)

6.5 Waste Packaging

The waste is currently packaged in two casks weighing 25,855 pound each. The tare weight for the casks is recorded on the 29-90 forms is 23,000 pounds each. Berl saddles packaged in casks will be repackaged into 55-gallon drums. Waste that requires repacking or remediation are typically repackaged into new 55-gallon drums. Remediated/ repackaged waste may be packaged into a 55-gallon drum with a single vented drum bag and one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a polyethylene rigid liner without lid (References 14, M183).

7.0 QUALIFICATION OF AK INFORMATION

As stated in CCP-PO-002 (Reference 12), this report provides a description of the characterization of the RH TRU waste generated from the HBL in the H-Canyon at SRS Waste. CCP-CP-SRS-602, *CCP RH TRU Waste Certification Plan for 40 CFR 194 Compliance and Confirmation Test Plan for SRS RH, Waste Streams: SR-RH-221H.01 and SR-RH-221H.02* (Reference 17), describes how each DQO and QAO will be met along with the rationale for selection of the AK qualification methods used. As required by the WCPIP (Reference 1), the descriptions of waste stream SR-RH-221H.01 and SR-RH-221H.02 are provided in Sections 5.0 and 6.0, respectively. The description of the confirmatory testing process, the percentage of containers that will be subjected to the process, a discussion of why the process is considered representative of the waste stream, and quantitative acceptance criteria is presented in CCP-AK-SRS-602 (Reference 17).

The CCP intends to use a combination of methods to qualify the AK information associated with the HBL waste streams because this will make the best use of the information available. Table 9, Waste Stream SR-RH-221H.01 DQO Determination Summary, and Table 10, Waste Stream SR-RH-221H.02 DQP Determination Summary, list the DQOs to be addressed using AK associated with these waste streams relating to the defense waste, radiological, and physical waste stream determinations.

Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary

DQO Determinations	Summary of AK	AK References/Sources
Defense Waste, High Level Waste, and Spent Nuclear Fuel	As described in the defense waste justification in Section 4.4, there is sufficient evidence to demonstrate that TRU wastes generated HBL in the H-Canyon are contaminated with materials from atomic energy defense activities associated with defense nuclear materials production and defense research and development activities. As described in Section 4.5, this waste stream does not contain spent nuclear fuel or high-level waste.	14, C091, M021
TRU Waste	The relative abundance of alpha-emitting TRU isotopes with half lives greater than 20 years calculated for the corresponding CH Waste Stream SR-W027-221H-HET is presented in Table 5. The concentration of TRU isotopes documented in CCP-RC-SRS-601 will be quantified for the RH waste containers during implementation of the Dose-to-Curie (DTC) Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	14, 16, M169

Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary (Continued)

DQO Determinations	Summary of AK	AK References/Sources
RH Waste	Generator reported surface dose rates for the 55-gallon drums indicate the average surface dose rate of approximately 290 mR/hr, ranging from 200 mR/hr to 1.0 R/hr. **Characterization/Qualification Method**: Dose rate measurement of each container as described in CCP-CP-SRS-602 (Reference 17).	14,16, M169
Activity	This DQO is specific to payload containers and will not be assessed until the final payload configuration has been established.	Not Assessed
WIPP 10 Required Radionuclides	The relative activity of the WIPP 10 required radionuclides for the corresponding CH waste stream SR-W027-221H-HET is presented in Table 2. The activity of the WIPP 10 radionuclides for the RH containers is documented in CCP-AK-SRS-601 and will be quantified in waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	14,16
Physical Form	As described in Section 5.4.1, waste stream SR-RH-221H.01 consists of job control waste meeting the WCPIP (Reference 1) definition for Summary Category Group S5000. Section 5.4.1.2 identifies the Waste Material Parameters, including the expected amount in the waste stream. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	14, M169
Residual Liquids	As described in Section 5.4.5, prohibited quantities of liquids will be immobilized and are not present in waste stream SR-RH-221H.01. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	D005, D088, P048, P063, P070, P083, P106, P107

Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary

DQO Determinations	Summary of AK	AK References/Sources
Defense Waste, High Level Waste, and Spent Nuclear Fuel	As described in the defense waste justification in Section 4.4, there is sufficient evidence to demonstrate that TRU wastes generated HBL in the H-Canyon are contaminated with materials from atomic energy defense activities associated with defense nuclear materials production and defense research and development activities. As described in Section 4.5, this waste stream does not contain spent nuclear fuel or high-level waste.	14, C091, M021
TRU Waste	The method chosen to determine the relative abundance of alpha-emitting TRU isotopes with half lives greater than 20 years in this waste stream is presented in CCP-CP-SRS-602. The concentration of TRU isotopes documented in CCP-RC-SRS-601A (Reference 21) will be quantified for the RH waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	21, C217, D127, M183
RH Waste	Based on the generators estimates this waste will exceed 200 mR/hr after once repackaged into 55-gallon drums. **Characterization/Qualification Method**: Dose rate measurement of each container as described in CCP-CP-SRS-602 (Reference 17).	20, 21, C217, D127, M183
Activity	This DQO is specific to payload containers and will not be assessed until the final payload configuration has been established.	Not Assessed
WIPP 10 Required Radionuclides	The amounts of the expected radionuclides expected by the generator are identified in Table 7. The activity of the WIPP 10 radionuclides for the RH containers is documented in CCP-RC-SRS-601A and will be quantified in waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	21, C217, D127, M183
Physical Form	As described in Section 6.4.1, waste stream SR-RH-221H.02 consists of debris meeting the WCPIP (Reference 1) definition for Summary Category Group S5000. Section 6.4.1.2 identifies the Waste Material Parameters, including the expected amount in the waste stream. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	M183

Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary (Continued)

DQO Determinations	Summary of AK	AK References/Sources
Residual Liquids	As described in Section 5.4.5, prohibited quantities of liquids will be immobilized and are not present in waste stream SR-RH-221H.02. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	M183

8.0 CONTAINER SPECIFIC INFORMATION

The following information from TWPDs and BGRs (References M014, M052) or TWCCs (References M015, M052) were reviewed to support the preparation of this document and CCP-AK-SRS-4 (Reference 22):

- FSN, a container-specific designation) or Container ID Number
- Date generated and location of generator
- Isotopes 1-4 (designates the major isotope, such as heat source-grade plutonium coded 83 or Np-237 coded 82) and total and isotopic quantities for each; usually in grams (as on BGRs)
- Pu-239 Fissile Gram Equivalent (FGE), Pu-239 Equivalent curies (PE-Ci), Heat Load, and Activity
- nCi/g (TWPD forms)
- Waste weight and container volume
- EPA HWNs
- Other hazard waste numbers (used for the previous state-imposed code for used oil, 8888) (TWPDs only)
- Prohibited items (considered under the SRS TRU Waste Certification Program to include free liquid, pyrophorics, explosives, compressed gases, and particulates below a certain particle size)
- Gamma and neutron dose
- Content code (TWPDs only)
- Vol% organic (TWPDs only)
- Reason not certified (under the SRS TRU Waste Certification Program)
- Reason for failure (applicable only if a prohibited item was located during radiography) (TWPDs only)
- Waste descriptions (TWPDs and BGRs only)
- Comments

- WMP weight data (TWCCs only)
- Layers of confinement (TWCCs only)
- Detailed radiological data for up to 20 radionuclides (TWCCs only)
- Note if absorbent was added

Completed waste generator and storage facility records including BGR, TWPD, and TWCC forms (Reference M169) have been compiled for the containers that comprise this waste stream. The respective forms for each drum were reviewed to ensure that all information was consistent with the waste stream defined herein.

Information from these forms relevant to the TRU waste characteristics of each waste container is traceable to its respective container through the FSN(s) and has been compiled into an AK Containers List which is maintained as a quality record as required by procedure CCP-TP-005 (Reference 3).

9.0 REFERENCES

1. DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

2. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*, New Mexico Environment Department, Santa Fe, New Mexico

3. CCP-TP-005, *CCP Acceptable Knowledge Documentation,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

4. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

5. 40 *Code of Federal Regulations* (CFR) Part 191, *Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes*, Washington, D.C., U.S. EPA, December 20, 1993

6. 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations*, Washington, D.C., U.S. EPA, February 9, 1996

7. *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision*, Washington, D.C., U.S. EPA, May 18, 1998

8. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act*, October 30, 1992 as amended by Public Law 104-201, September 23, 1996

9. 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982*, U.S. Congress

10. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. DOE, Carlsbad Field Office

11. 40 CFR, Part 261, *Identification and Listing of Hazardous Waste*, U.S. EPA

12. CCP-PO-002, *CCP Transuranic Waste Certification Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

13. CCP-AK-SRS-3, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site, Waste Streams: SR-W026-221F-HET, SR-W026-221F-HOM, SR-W026-221F-HEPA, SR-W026-221F-HET-A,* Carlsbad New Mexico, Nuclear Waste Partnership, LLC.

14. CCP-AK-SRS-4, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

15. DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

16. CCP-RC-SRS-601, *CCP Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site, Waste Stream: SR-RH-221H.01,* Carlsbad, New Mexico, Nuclear Waste Partnership LLC.

17. CCP-AK-SRS-602, *CCP RH TRU Waste Certification Plan for 40 CFR 194 Compliance and Confirmation Test Plan for SRS RH, Waste Streams: SR-RH-221H.01 and SR-RH-221H.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

18. DOE M 435.1-1, *Radioactive Waste Management Manual*

19. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC), Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

20. CCP-AK-SRS-580, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste, Waste Steams: SR-RH-FBL.01 and SR-RH-FBL.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

21. CCP-RC-SRS-601A, *Central Characterization Project Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site Remote-Handled Transuranic Debris Waste, Waste Stream: SR-RH-221H.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

22. 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitons,* U.S. EPA

10.0 AK SOURCE DOCUMENTS

Tracking Number	Title
C001	Memo to TRU Waste Coordinators, J.A. Schlesser: WIPP Certification Plan
C002	Memo: Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C006	Memo: Suspect Hazardous Waste Handling Requirements
C008	Memo to V.G. Dickert, et. al.: Guidance for Continual Surveillance for Hazardous Waste
C010	Memo: Disposal of TRU Boxed Waste
C011	Memo: Disposal of Spray Cans with Material
C012	Memos: Characteristics of SRS TRU Boxed Waste
C014	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program
C017	Memo to R.F. LeBert: Hazardous Products in Our MSDS Books (U)
C018	Memo: ALARA 1146 Clarification (U)
C020	Memo: BH-38 Decontamination Material Mix-up
C024	Memo to G.W. Earle: Neptunium Shielding Calculations
C027	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989
C029	Memo to R.L. McQuinn, et. al.: Program for the Handling of Hazardous Waste Rags and Wipes (U)
C031	Meeting-HB Line Decommissioning - Disposal of Neptunium Sweeping
C032	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C038	Memo to J.P. Duane re: 221-H B-Line History
C039	Memo to R. Anderson re: Neptunium Sweepings, 221-H B-Line
C040	Memo to F. Lustig Re: Project S-2991 Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits
C044	Memo to HB-Line Distribution re: Validation of the HB-Line Plutonium Oxide Facility Glovebox Cabinet Cleanout
C045	Nuclear Safety Limits for Various Isotopes in the Burial Ground
C046	Nuclear Criticality Safety in Storing WIPP Certified TRU Waste
C047	Nuclear Safety Limits for Various Nuclides in Burial Ground Concrete Culverts
C048	TRU Mixed Waste Generation and Characterization
C050	Requested Information Regarding TRU Variance Letter
C054	Requirements for Packaging Transuranic Waste
C055	Instructions for Using Revised Burial Forms
C057	A Comparative Evaluation of Raycohesive® B-32 and MOR-AD® B-32 Adhesives
C058	Information Concerning the Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)
C063	Operational Practices During Emplacement of Transuranic Waste on TRU Pads 1-6 in the SRS Burial Grounds
C066	Interview of C. McClard Regarding the HB-Line Process Timeline
C067	SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C069	Description of Transuranic Solid Waste at Savannah River
C071	WIPP-Waste Acceptance Criteria
C075	Memo: Identification of TRU Waste
C077	Memo: Program for Identification and Segregation of Transuranic Waste with Contamination Levels Between 10 and 100 nCi/g
C078	Letter to J.P. Duane: HB-Line Waste Packaging Requirements
C079	Memo to T.H. Gould: Systems Analysis Applied to TRU Waste Management (U)

Tracking Number	Title
C080	Memo: Pb-Lined Gloves Telephone Calll to O. Fordham, Letter to O. Fordham: Pb-Lined Gloves and Request for Concurrence to use the Exemption from Particle Size Reduction in the TCLP Method 11311 for Lead Lined Gloves (U)
C083	Miscellaneous Correspondence on Solvent Contaminated Waste (a-f)
C084	Memo to M.J. Sires: Polychlorinated Biphenyl's (PCBs) Used in Electrical Equipment
C086	Letter to O.M. Morris: Segregation of Combustible TRU Waste
C088	Record of Communication – Interview of Mr. Odum and Mr. Maloney
C090	Telephone Conversation with Carol Allgood, NMMD: Blue Dot Program at FB-Line and HB-Line
C091	Record of Communication – Atomic Energy Defense Activities
C093	Letter re: TRU Waste Packaging Requirements Polyethylene Boxes for HEPA Filters
C094	Record of Communication — Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line
C098	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon
C099	Memo to W. Doe re: Tests on Polypropylene Felt
C100	Memo to T. Reilly re: Problem No. ST-SS-G-039 Sources of Contaminants in $238PuO_2$
C104	Notes from Interview of J. "Chip" McClard
C105	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor
C110	Letter to R.D. Leedle: Savannah River Plant Project S-2256 — Replace Obsolete Processing Facilities 221-HB-Line DA-221-H Plutonium-238 Oxide Product Quality
C114	Separations Incident SI-80-11-140
C116	Record of Communication with Mike Mobley
C117	Letter to R.C. Anderson: Neptunium Sweepings Packaging, 221-HB-Line
C129	Radioactivity and Dose Rates from Aging Plutonium in Future Waste Management Operations (U)
C131	Email: Job Hazard Analysis of Scrap Recovery Clean Out Work (U)
C132	Letter to R.E. Meadors, R.C. Anderson: Handling TRU Waste From H-Canyon Frames
C134	Memo to D.H. Thomas: Burial of Old Frames and Sample Aisle Equipment
C135	Memo to D.H. Thomas: Disposal Methods For Pu-238 Frame I
C136	Record of Communication for Interview of C. Ryberg and R. Mahannah
C139	RCRA Characterization of SRS-Produced Plutonium Oxide
C140	E-Mail to P. Fulghum: Squib Igniters Used In "Halex" Fire Suppression
C146	Record of Communication for Interview of D. Gartland by J. Whitworth
C148	Summary of SRS Correspondence and Data on Fluorescent Light Bulbs
C150	Record of Communication for Interview of M. Boolish by T. Burns and W. Estill: Mercury Content in Batteries
C151	Letter to M.A. Kokovich: Removal of P015 Waste Code from TRU Waste Containers
C152	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk
C155	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Interoffice Memo, From: C.B. Stevens, To: M.A. Kokovich
C156	Record of Communication: Interview of Bob Smith, Rick Burns, and Jim Barber, Subject: TRU Waste and Hazardous Chemical Usage in the New HB-Line
C157	Record of Communication: Interview of Ray Smith and Betty Bush, Subject: Use of Chemicals (Acetone) by HBL Maintenance
C158	Record of Communication — Interview with J.W. Barber Re: Use of Acetone in the New HB-Line Facility
C161	Fyrquel Hydraulic Oil
C162	Pu-238 Spectrum
C163	Re-evaluation of Savannah River Site HB-Line waste streams
C164	Interview with Ann Gibbs concerning Thorium-232 in the HB-Line Waste

Tracking Number	Title
C165	Record of Communication: Discussion of Greater Confinement Disposal (GCD) at SRS.
C178	Email correspondence with Jeff Lunsford regarding beryllium
C197	Memo to CCP Record re: Addition of Containers to Waste Stream SR-RH-221H.01
C217	Interoffice Memorandum from Marcia Birk to M. G. Looper and Cary Stevens. RE: Path Forward for Silver Berl Saddle Management
C219	Waste Stream Container Evaluation Memorandum for Waste Stream SR-RH-221H.02
D001	Analytical Laboratories Laboratory Technician Program, Proper Handling of Spills
D003	Building 221-H, B-Line Scrap Recovery Facility (SUP 2A) Safety Analysis Report
D004	Dismantlement and Decontamination of a Plutonium-238 Facility at SRS
D005	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)
D005A	Characterization of HB-Line Transuranic (TRU) Waste
D006	Technical Manual — Plutonium-238 Scrap Recovery, Building 221-H
D007	221-H-SP Technical Standards (UCNI)
D009	Revised Pre Title I Design Safety Evaluation for the Retrieval Operations of Transuranic Waste Drums in the Solid Waste Disposal Facility (U)
D010	Radioactive Waste Burial Grounds
D011	Storage of Solid Radioactive Waste
D012	Solid TRU Waste Processing and Retrievable Long-Term Storage –Technical Data Summary
D013	Storing Solid Radioactive Wastes at the Savannah River Plant
D014	Radiogenic Gas Accumulation in TRU Waste Storage Drums
D015	Savannah River TRU Waste Inventory Workoff Plan
D016	Implementation Plan for Buried Transuranic Waste at the Savannah River Plant
D018	Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)
D019	History of DuPont at the Savannah River Plant
D020	Safety Analysis – 200 Area Savannah River Plant Burial Ground Operations
D021	System Plan for the Solid Waste Division
D024	Statement of Work Chemical Inventory and Characterization of Waste Container Contents by Surface Acoustic Wave Technology
D026	Solid Waste Division 1998 System Plan
D027	Transuranic Waste Projections at SRS for Long Range Planning (U)
D029	Strategic Plan for Savannah River Site (SRS) Transuranic Waste
D030	Savannah River Site Solid Waste Management Facility Safety Analysis Report
D031	Savannah River Site Transuranic Waste Program
D034	Transuranic Waste Baseline Inventory Report
D035	U.S. Atomic Energy Commission AEC Manual: Chapter 0511 Radioactive Waste Management
D037	Management of Transuranic Contaminated Material
D038	Radioactive Waste Management
D041	Response to DOE Request for Status on Procurement and Disposal of Yellow Pigmented Items at SRS (U)
D043	Chapter 20, Savannah River Site at Fifty: Steward Ship and Legacy
D044	Old Radioactive Waste Burial Ground
D046	Researcher Provides a Historical Perspective for Plutonium Heat Sources
D048	Technical Standards For H-Area B-Line Scrap Recovery
D049	Technical Standards for H-Area B-Line, Neptunium Oxide Facility
D050	Characterization of HB-Line Low-Level Waste
D051	Milliwatt Surveillance Program Ensures RTG Safety and Reliability
D052	Systems Analysis — 200 Area Savannah River Plant HB-Line Operations
D053	Physical Behavior of Pu-238 Oxide (U)
D054	Thorium Processing in H-Canyon Technical Standards

Tracking Number	Title
D055	Technical Standard Enriched Uranium and Plutonium Scrap Recovery in HB-Line
D056	Safety Analysis — 200 Area; Savannah River Plant, Separations Area Operations, H, B-Line, Plutonium Oxide Facility (Sup 2C)
D058	HB-Line Basis for Interim Operation (U)
D059	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Before 1986
D060	Calc Note — HB-Line Chemical Hazard Analysis (U)
D061	Technical Standards for H Area B-Line Plutonium Oxide Facility
D062	Recovering U-235 and Pu-238-Pu-239 in HBL
D064	Separations Incident, SI-76-24 — Solids in Filtered Enriched Uranium Scrap Solution – 221-HB-Line
D065	Separations Incident, SI-76-16 — Unexpected Reaction in Scrap Recovery Dissolver – 221-HB-Line
D066	Separations Incident, SI-81-5-52 — Contamination Release, HB-Line Scrap Recovery Facility
D067	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan
D069	Separations HB-Line Low-Level waste Certification Plan Assessment Report (U)
D075	1992 Renewal application for a RCRA Part B Permit, Savannah River Site Volume XIII – TRU Pads Facility and Waste Certification Facility, Revision B, December 21, 1993
D079	TRU Waste Acceptance Criteria for the Waste Isolation Pilot Plant
D080	Los Alamos National Laboratory Transuranic Waste Characterization/Certification Program, Acceptable Knowledge Summary Report for Combustible/Noncombustible, Metallic, and HEPA Filter Waste Resulting from 238Pu Fabrication Activities
D084	Technical Safety Requirements Savannah River Site — Solid Waste Management Facility (U)
D088	Savannah River Certification Plan for Newly Generated, Contact-Handled Transuranic Waste
D090	Test Authorization No. 2-917 for Cleanup of Room 311 Sumps
D092	Low Level Radioactive Waste/Mixed Waste Certification Plan Separations HB-Line Facility
D095	History of DuPont at the Savannah River Plant
D098	SRP Thorium Processing Experience
D099	Sample Schedule for HB-Line and the Compact Billet Line in 235-F
D101	Works Technical Report for July 1977
D107	Active Well Neutron Coincidence Assays for U-235 Content in HB-Line Desicooler Repackage Campaign at the Savannah River Site
D108	Analysis of Events Associated with First Charge of Desicooler Material
D109	Draft Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to Production of Radioisotope Power Systems
D110	Westinghouse Savannah River Company Annual Report 2003
D111	Westinghouse Savannah River Company Annual Report 2004
D112	Annual Report Washington Savannah River Company 2005
D113	Washington Savannah River Company, Setting The Stage For Tomorrow, 2006 Annual Report
D114	Neutralization of Plutonium and Enriched Uranium Solutions Containing Gadolinium as a Neutron Poison
D115	Dissolution of FB-Line Residues Containing Beryllium Metal
D116	HB-Line Safety Analysis Report (U)
D120	Dissolution of Fissile Materials Containing Tantalum Metal
D124	Systems Analysis — 200 Area Savannah River Plant. Chemical Separations Facilities Canyon Operations, Volume 1
D127	Treatability Variance for Silver Coated Packing Material
DR001	Discrepancy Resolution: Physical Form Leaded Gloves
DR013	Consolidation of waste streams

Tracking Number	Title
M009	TRU Waste Drum Data Sheet for Five Containers
M012	Operations Pre-Plan Checklists (ADM-HB-4177)
M014	Burial Ground Records and TRU Waste Package Data Forms
M015	TRU Waste Container Characterization Forms (OSR 29-90)
M021	Dismantlement and Decontamination at the Savannah River Site
M022	HB Line's New Facility Finishes First Campaign
M023	Radiological Work Permit for packaging of a high rate HEPA filter from Room 514.
M026	SR-W027 DOE waste stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MITI)
M027	Chronological History of the TRU Drum Vent Filter
M028	History of Transuranic Waste Management at the Savannah River Site
M030	Characterization of SRP Retrievably Stored Transuranium Waste
M034	Presentation: Savannah River Site Mixed waste streams Data and Photo Catalog
M037	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)
M040	Presentation: Savannah River Site Transuranic Waste Program
M041	Presentation: Savannah River Site Waste Characterization Plans
M046	Power Point Presentation: Storage and Disposal History
M047	TRU Waste
M048	Fluorescent Tube Disposal Gets OK
M051	MSDSs
M052	COBRA Database Update
M054	Miscellaneous SRS Maps and Location Information
M055	Questions Regarding Drum Retrieval Plans
M056	Old HB-Line Pu-238 Powder Can Inventory
M057	Waste Acceptance Criteria for USF/HB-Line Waste Handling Facility
M058	Notes — HB-Line TRU Waste
M061	Figure 2 — Schematic of New HB-Line Plutonium-238
M062	Old HB-Line Pu-238 Powder Can Inventory
M063	Handwritten table of chemical information
M066	HB-Line AK Tracking Spreadsheet
M069	HB-Line Process History 8/11/70 Through 10/25/74
M073	Accountability Book: Uranium Receipts, Charges, Transfers
M082	Clarification of Scrap Declaration
M094	Accountability Book 4
M095	Accountability Book: SR-IC-50 and MOUND Pu-238 Guide: Receipts and Waste to Burial Ground
M096	Accountability Book: Scrap Book II, Receipts, Dissolver Charges, Waste to Burial Ground
M098	Low Level Mixed Waste Inventory from HB-Line, Post-1990
M099	Chemical Inventory Data
M108	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M109	Evaluation of 62 Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M110	Evaluation of 32 Additional Containers for SRS-4 waste stream SR-W027—221H-HET (HB-Line)
M112	Excel spreadsheet: waste material parameter analysis for SR-W027-221H-HET waste stream
M115	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions
M122	Acceptable Knowledge Beryllium Assessment for CCP-SRS- AK Reports 1 through 7
M125	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions 6/1/05

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M126	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line). May 19, 2006
M127	29-90 Forms for drums Added May 19, 2006
M131	INL-Built Nuclear Power Systems Crucial to Future Space Missions – A Growing Mission with High Visibility
M133	Support Data for the Addition of Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)
M134	Material Safety Data Sheets (MSDS) for Decon Products in NOP 221-HB-4989
M169	Waste Stream SR-RH-221H.01 Container Specific Evaluation Information
M183	Waste Stream SR-RH-221H.02 Container Documentation
P001	Excess Permanganate, Technical Reference, Procedure Manual L3.11
P003	Proper Disposal of Hazardous Waste in RCA
P004	H-Canyon / Of-H / Old B-Line Facility-Specific Waste Minimization Plan
P007	Changing Internal Cabinet HEPA Filters and Cabinet Supply HEPA Filters, Phase I (U)
P007A	Changing Internal Cabinet HEPA Filter and Cabinet Supply HEPA Filter (U)
P014	Packaging and Sealing TRU Waste in 55-Gallon Drums (U)
P015	Cabinet Bagport Operations (U)
P016	Operations Pre-Plan Checklist/Pre-Job Briefing (U)
P018	TRU Waste Drum Data Sheet
P022	Changing Gloves/Bags/Safety Covers Using Glove Ejection Tool (U)
P023	Cleaning and Removing Plastic Huts (U)
P024	Draining of Process Jacket Piping (U)
P025	Flushing and Transferring Recovery Cabinet Sumps (U)
P026	Handling TRU Waste (U)
P027	Neutralization of Acidic Wipes (U)
P031	Inspecting, Removing, and Installing Scrap Recovery Process Filter Media (U)
P033	HB-Line Facility Flush Program (U)
P034	TRU Waste Drum Data Sheet for Plutonium (Pu) 242 (U)
P037	Changing HEPA Filters in Room 605/610 (U)
P038	Dissolution of Pu-239 Scrap (Cold Runs) (U)
P042	Inspecting and Assembling 55-Gallon Waste Drum Units (U)
P045	Packaging and Disposing of Dry Radioactive Waste
P046	Special Products HB-Line; Chapters I, II, III, V, & VII
P047	Repackaging of TRU Waste Drums Returned from the Solid Waste Disposal Facility
P048	Sealing Fiberglass Boxes which Contain TRU Waste with TRIMCO Gasket
P049	General Decontamination (U)
P050	Savannah River Site Waste Acceptance Criteria Manual, E-Area TRU Pads Transuranic Waste Criteria
P051	Storing TRU Waste in Concrete Containers
P052	Drum Retrieval from TRU Pads 2-6 (U)
P054	Storage of Transuranium (TRU) Waste
P055	Shipping Waste to Burial Ground
P056	Packing TRU Waste and Sealing in 55-Gallon Drums
P057	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control includes DPSOP 40: Burial Container Limits
P058	Repackaging TRU Drummed Waste at 643-G
P059	Handling Transuranium Waste in 221-H Canyon & 211-H Facility
P061	Identifying TRU Drums With Missing Container ID Tags (U)
P062	Burying Classified Waste at Building 643-G
P063	Handling Radioactive Waste

Tracking Number	Title
P064	Completing TRU Waste Burial Records
P067	Cabinet Bag Port Operations
P069	Packaging and Sealing Contaminated HEPA Filters in Polyethylene Boxes
P070	Disposal of Non-acidic Contaminated Liquids
P072	Neutralization of Polypropylene Wipes in Scrap Recovery
P073	Completing TRU Waste Burial Records and TRU Waste Data Package
P076	Ordering, Purchasing, and Handling of Blue Dot Chemical Products (U)
P077	Handling Chemicals
P078	Handling HB-Line Samples
P081	Potassium Permanganate ($KMnO_4$) Neutralization and Disposal
P082	Neutralization of Polypropylene Filter Bags in Scrap Recovery (U)
P083	Neutralization of Phase II Non-filter Waste
P084	Filter Change-out and Neutralizing Waste/Filters
P088	Packing TRU Waste and Sealing Drums
P089	Shipping Waste to Burial Ground
P090	Suspect Waste Management Program (U)
P091	Packaging and Sealing TRU Waste in 83-Gallon Drums (U)
P092	Packaging and Sealing the Standard Waste Box
P093	Completing TRU Waste Burial Records and TRU Waste Data Package for Pu-239 (U)
P094	Packaging Non-Process Cabinet TRU Waste and TRU Decontamination Waste into Drum liners
P096	Operating Gamma Pulse Height Analyzer for Pu-238 Waste
P101	Installing and Removing Polypropylene Filter Bags
P103	Handling of Low-Level Radioactive Solid Waste
P104	Solids Rinsing, HBLine (U)
P105	Dissolution of Fissile Scrap
P106	Absorbing Containerized Liquids
P107	TRU Drum Remediation
P108	Phase I Glovebox Cleanup and Neutralization of Acidic Wipes
P109	Controls for Waste Containers that Require Further Processing
P110	TRU Drum Repackaging
P111	MRS Operations (U)
P112	TVEF Operations (U)
P113	Packaging Phase I (Scrap Recovery) TRU Waste
P119	Procedure 842 from the Phase I Scrap Recovery Manual: Preparing Tantalum (Ta) for Bag Out
P120	Procedure 843 from the Phase I Scrap Recovery Manual: Tantalum (Ta) Bag Out
P121	Procedure 840 from the Phase I Scrap Recovery Manual: Rinsing Tantalum (Ta) After Dissolution
P122	Procedure 841 from the Phase I Scrap Recovery Manual: Weighing Tantalum (Ta)
P125	HB-Line Characterization of Transuranic (TRU) Waste (Supersedes Rev. 10 of NMS-EHB-990045, D005A)

Figure 1. Savannah River Site Geographic Location

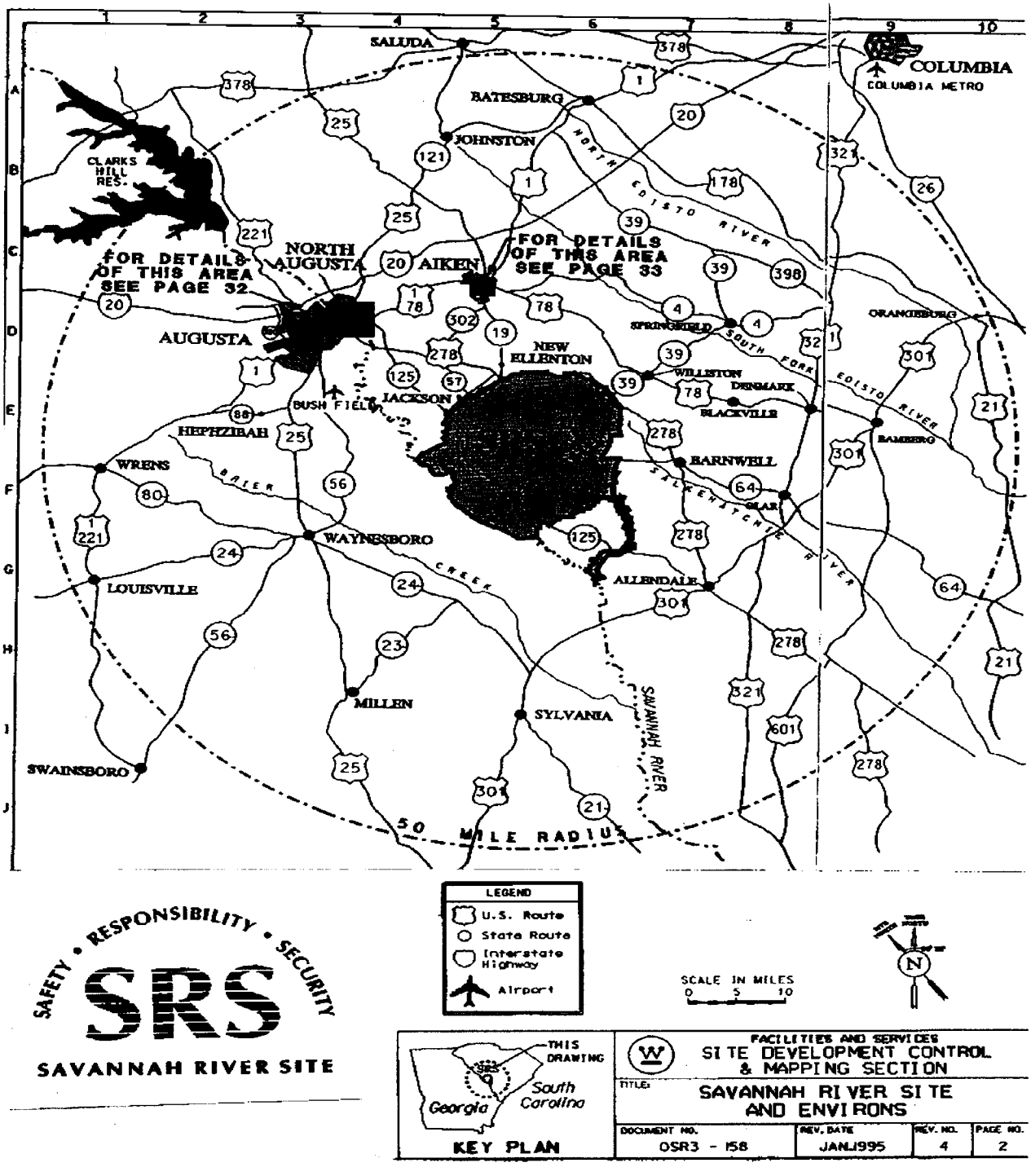


Figure 2. Location of the 200-H Area and Burial Ground Within Savannah River Site

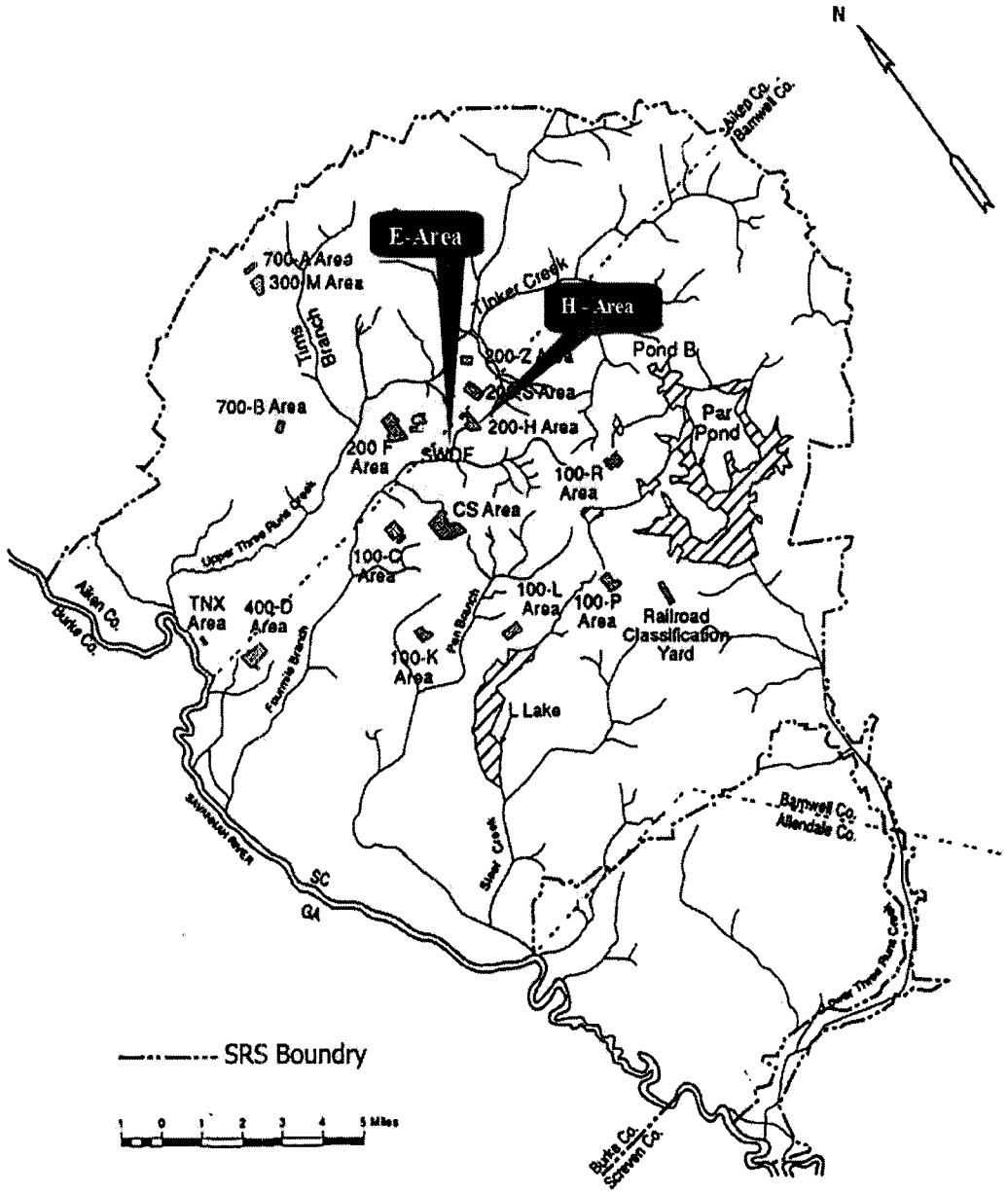


Figure 3. Savannah River Site E-Area Map

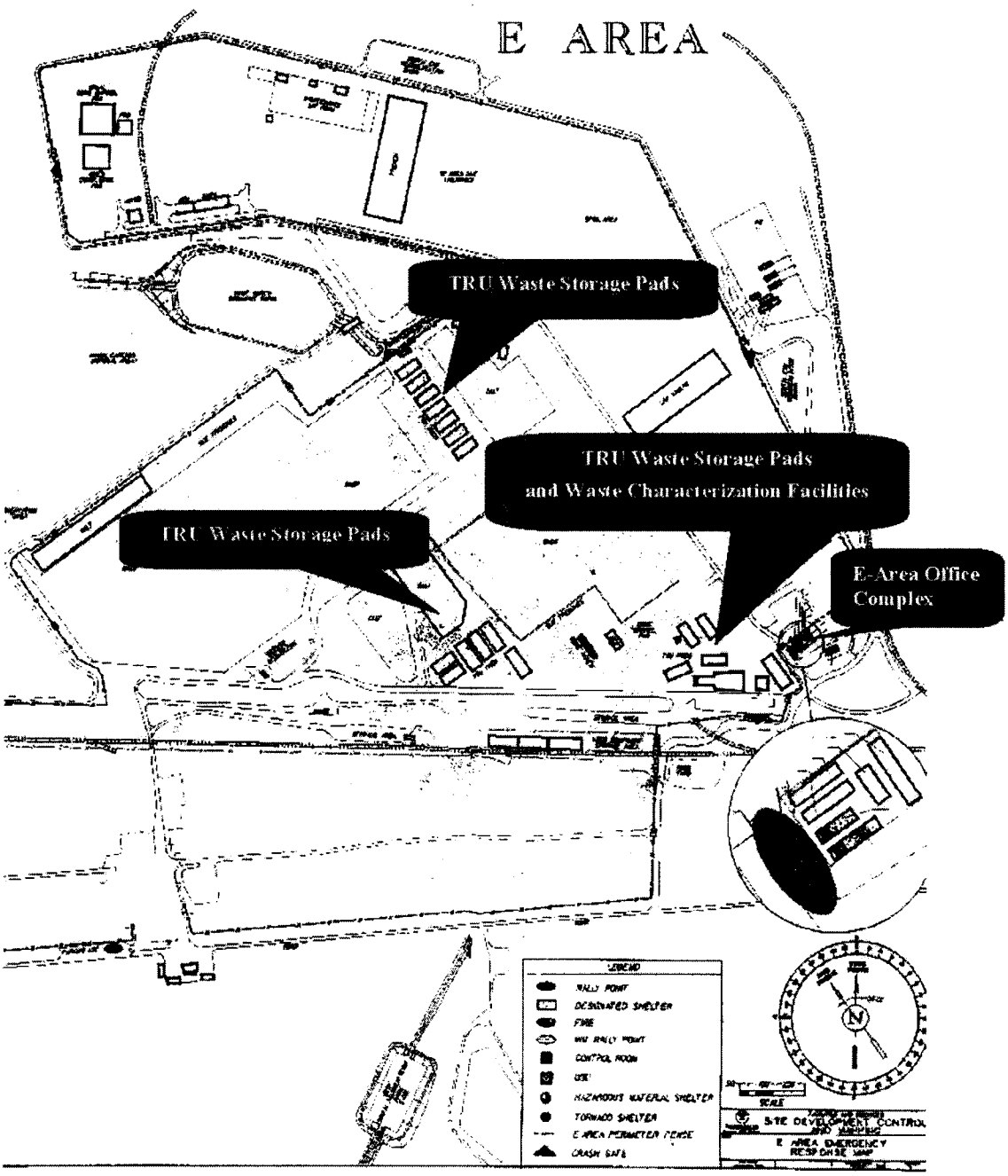


Figure 4. History of SRS Waste Management Practices

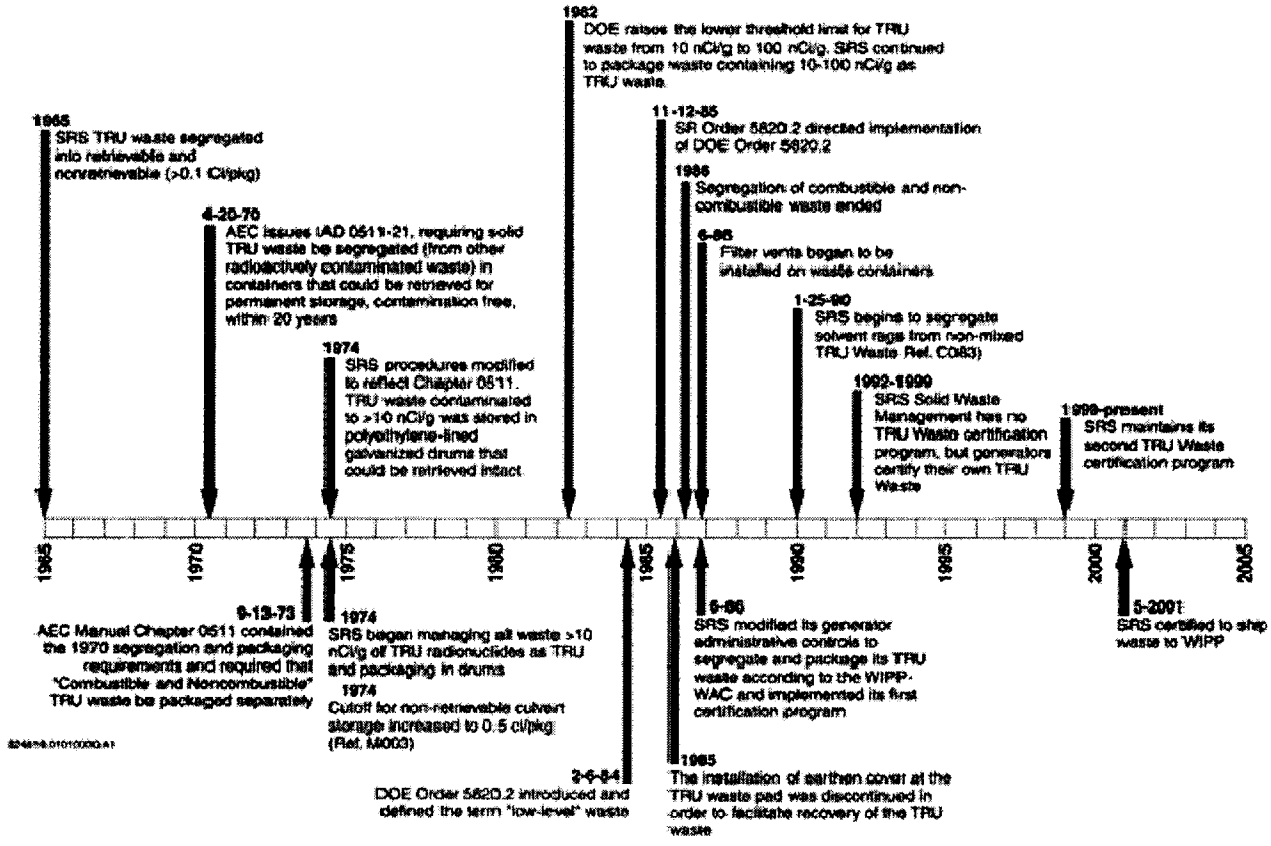


Figure 5. Timeline of Material Processing Activities at the Scrap Recovery Facility

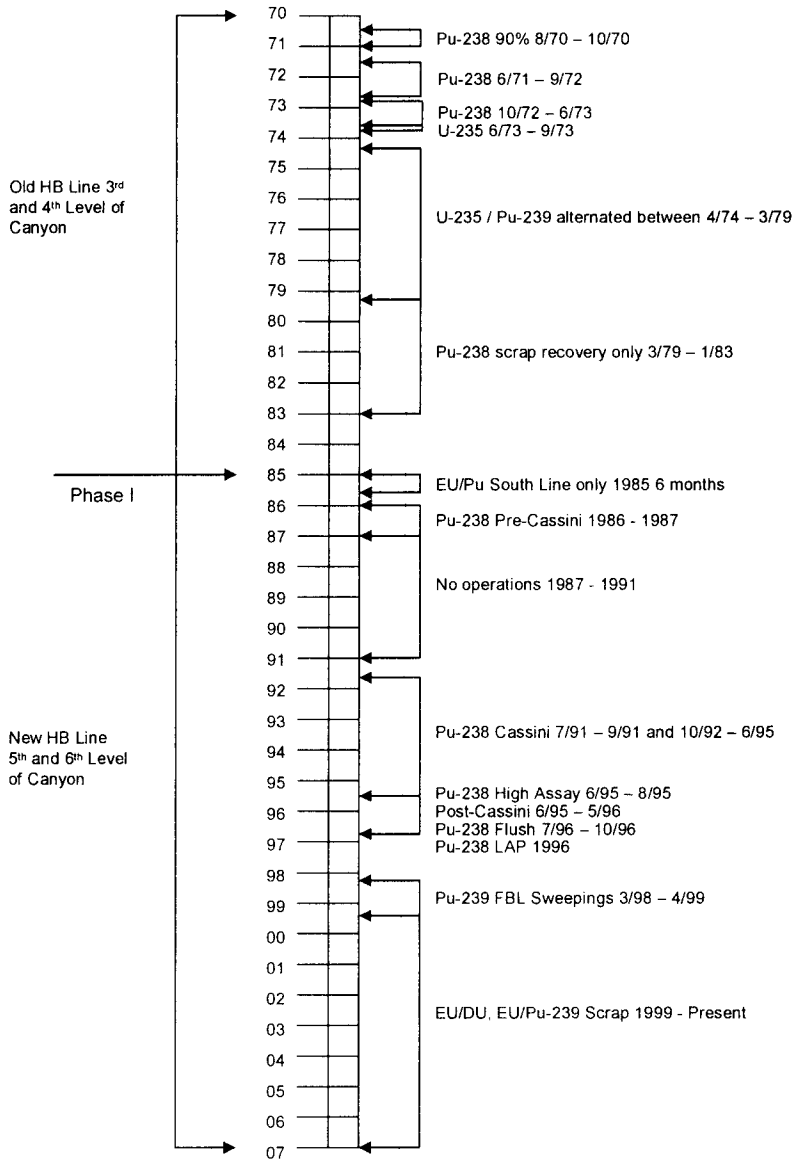


Figure 6. Timeline of Material Processing Activities at the Neptunium Oxide Facility

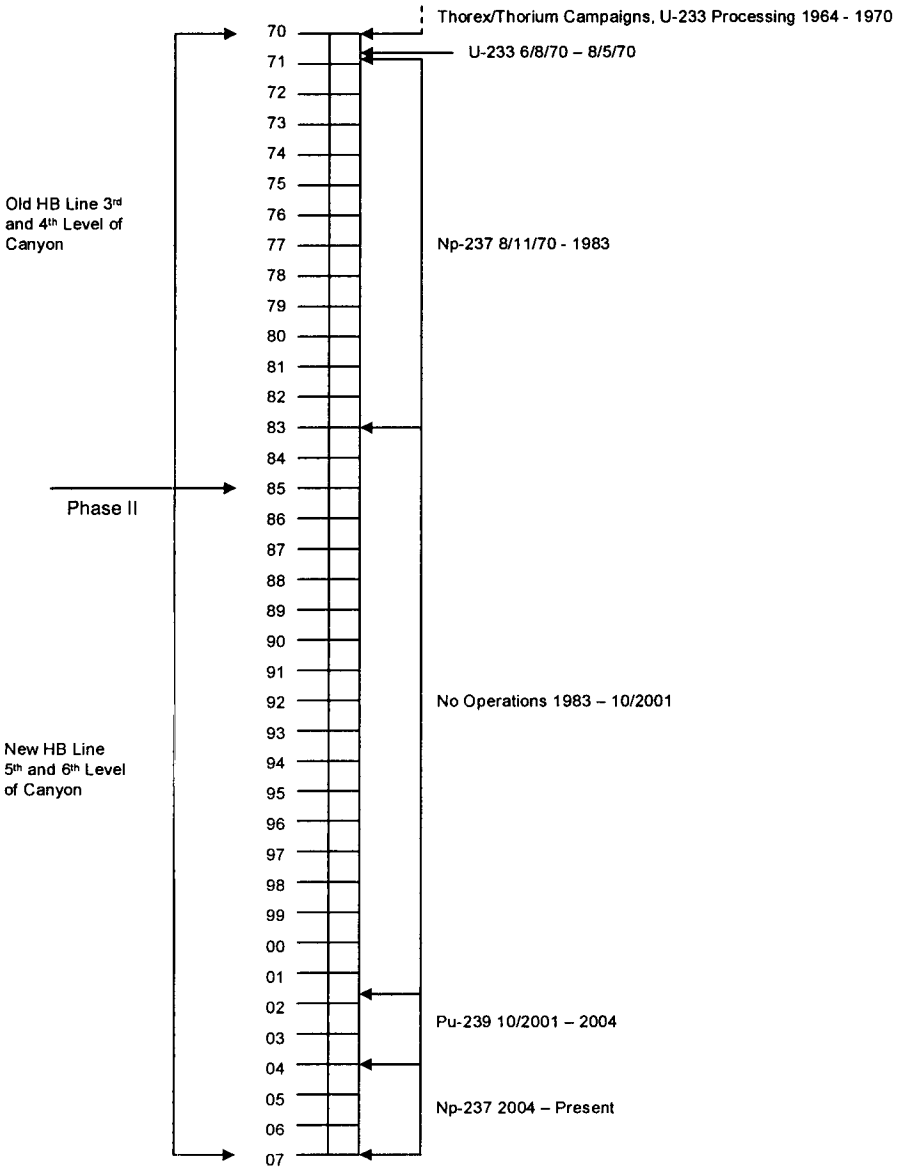


Figure 7. Timeline of Material Processing Activities at the Plutonium Oxide Facility

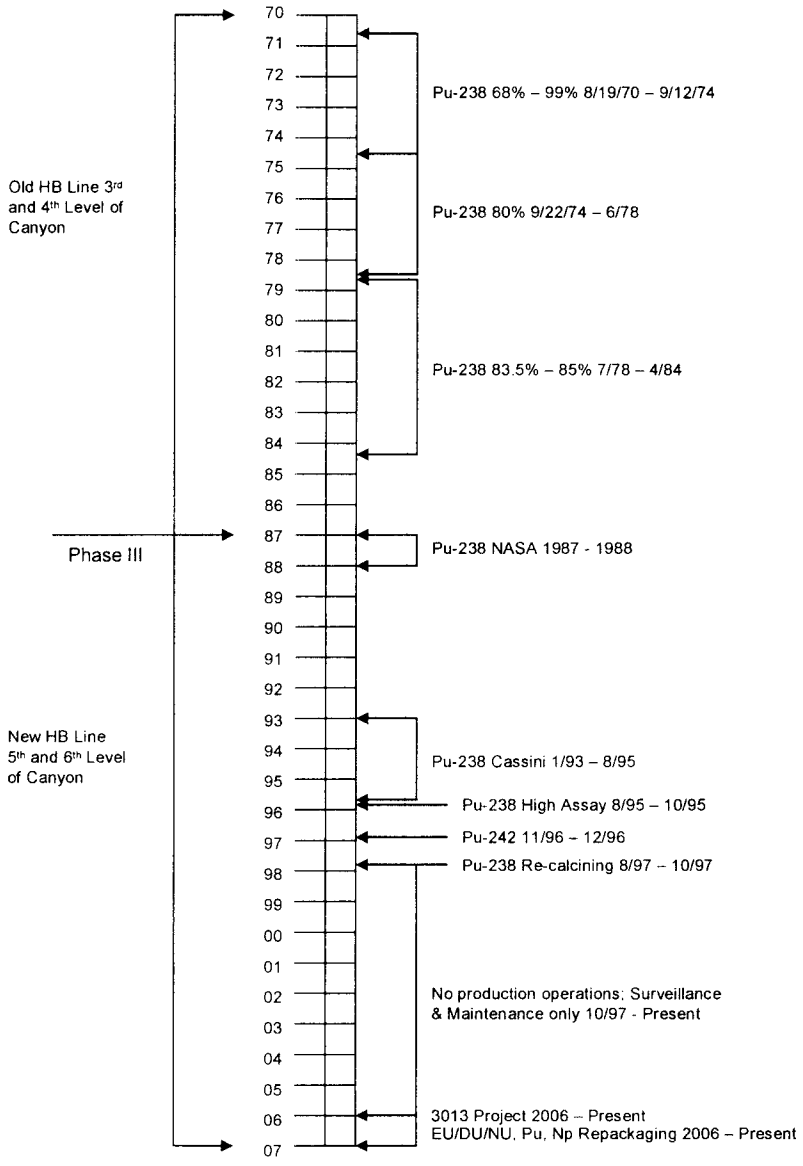


Figure 8. Primary Operations in Scrap Recovery

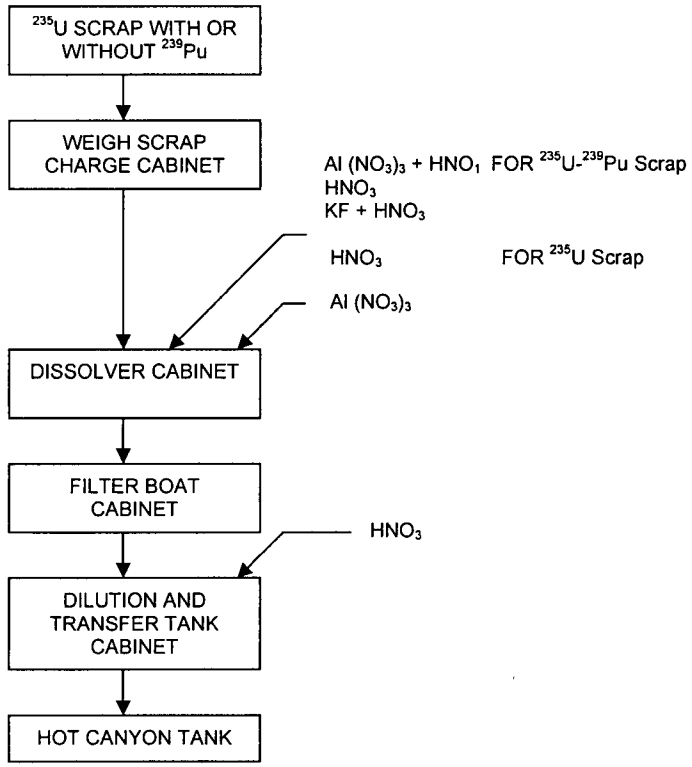


Figure 9. Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery

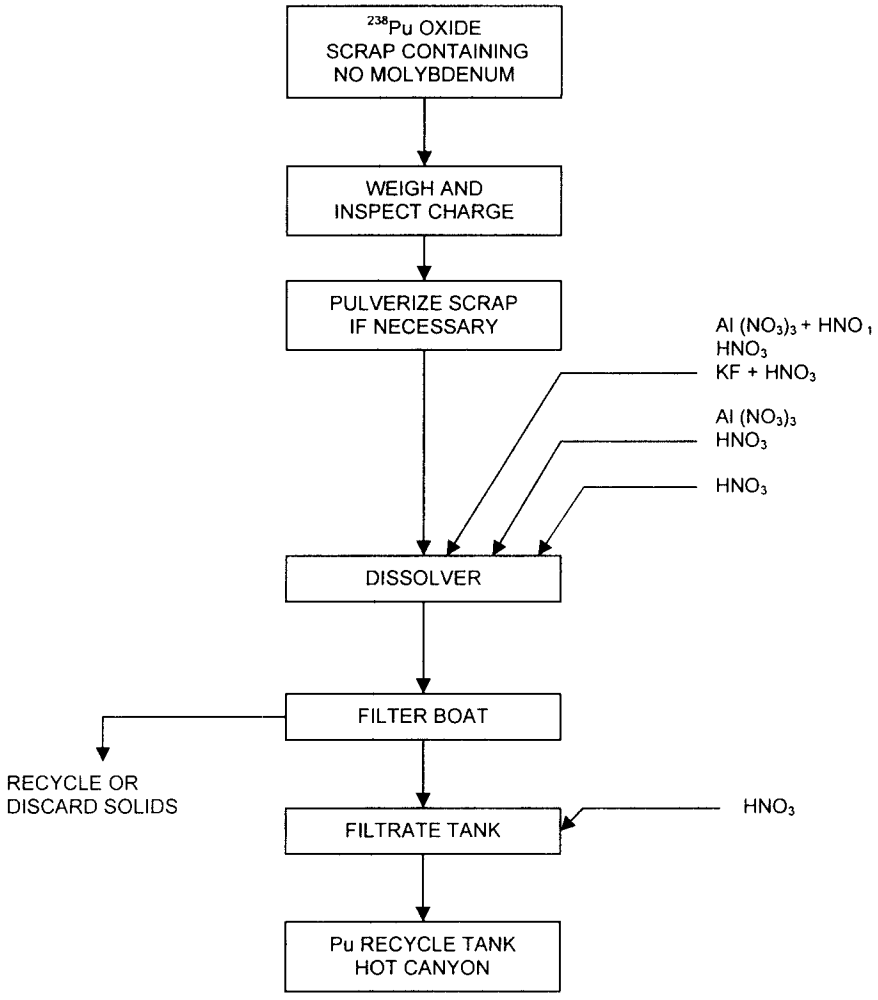


Figure 10. Old HB-Line ^{237}Np Process Flow Diagram

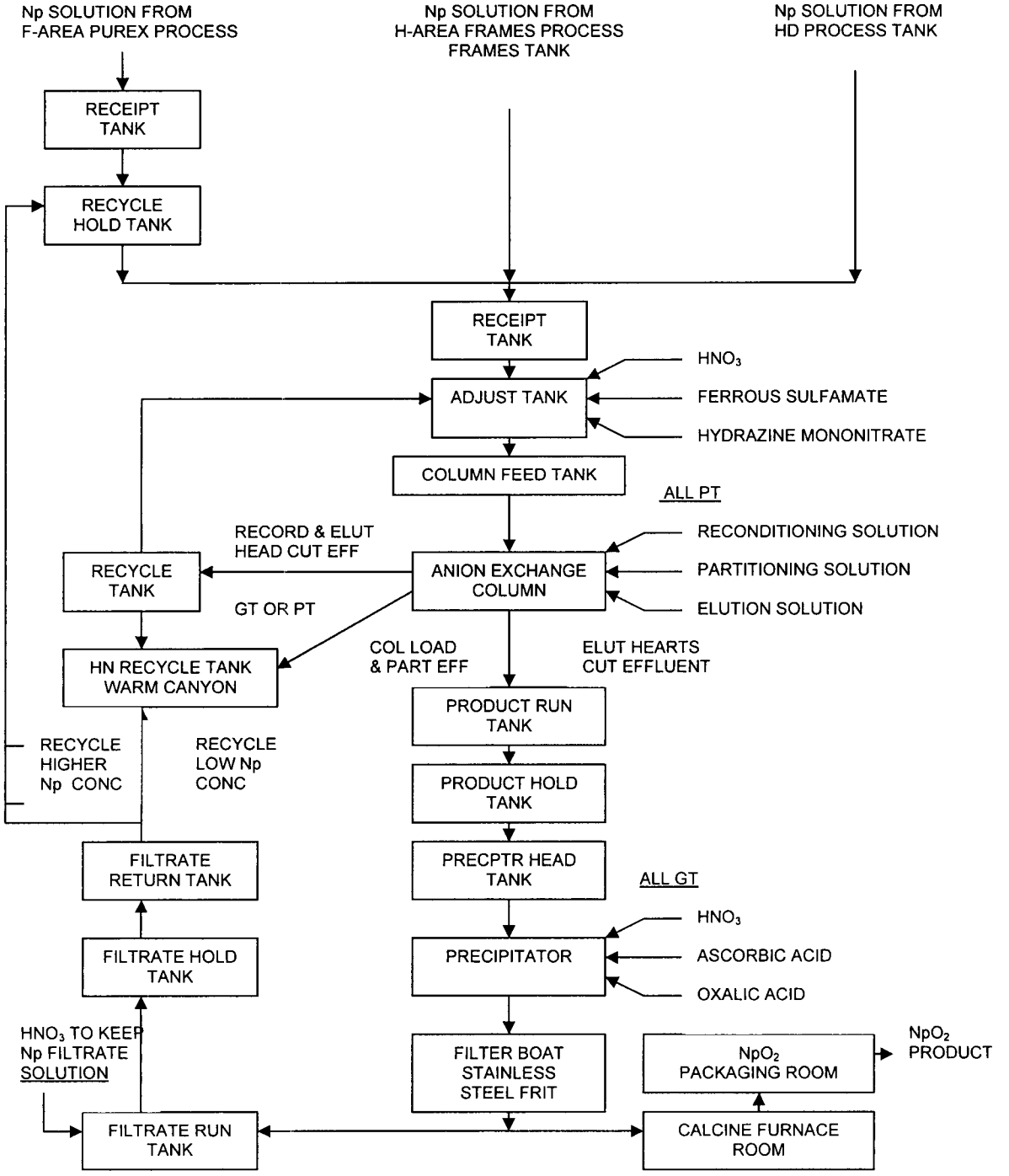


Figure 11. Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery

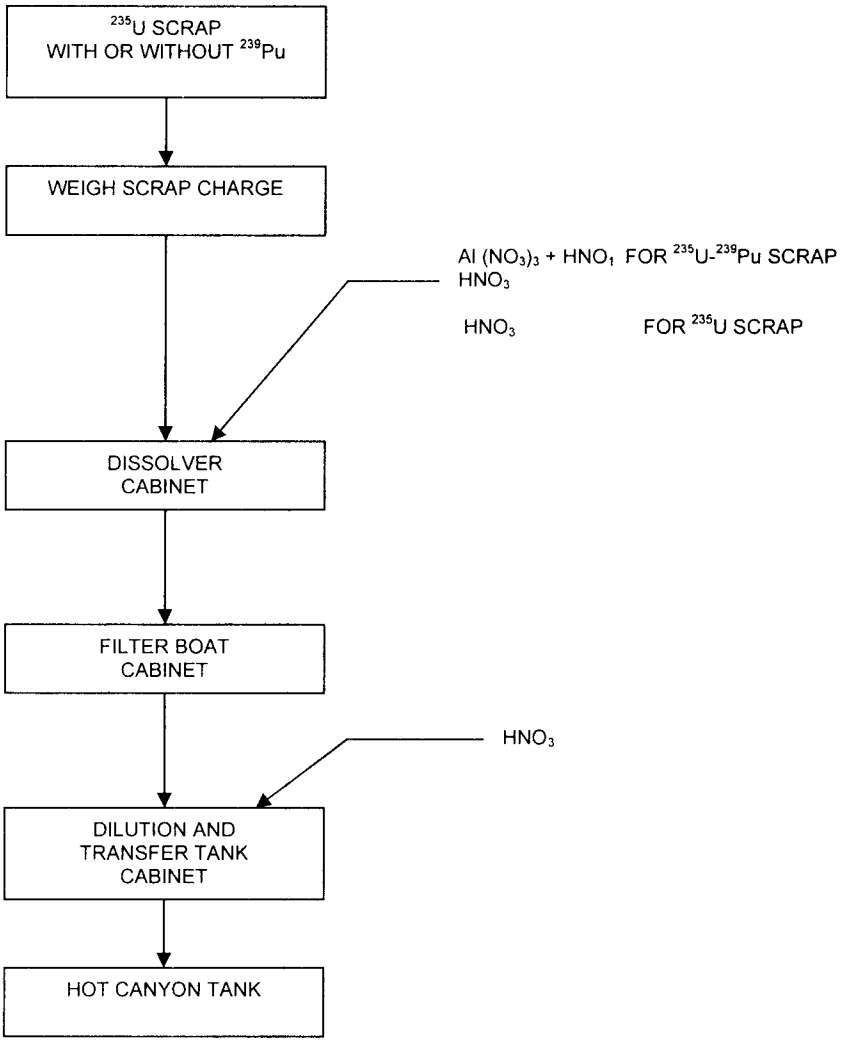


Figure 12. Old HB-Line ^{238}Pu Process Flow Diagram

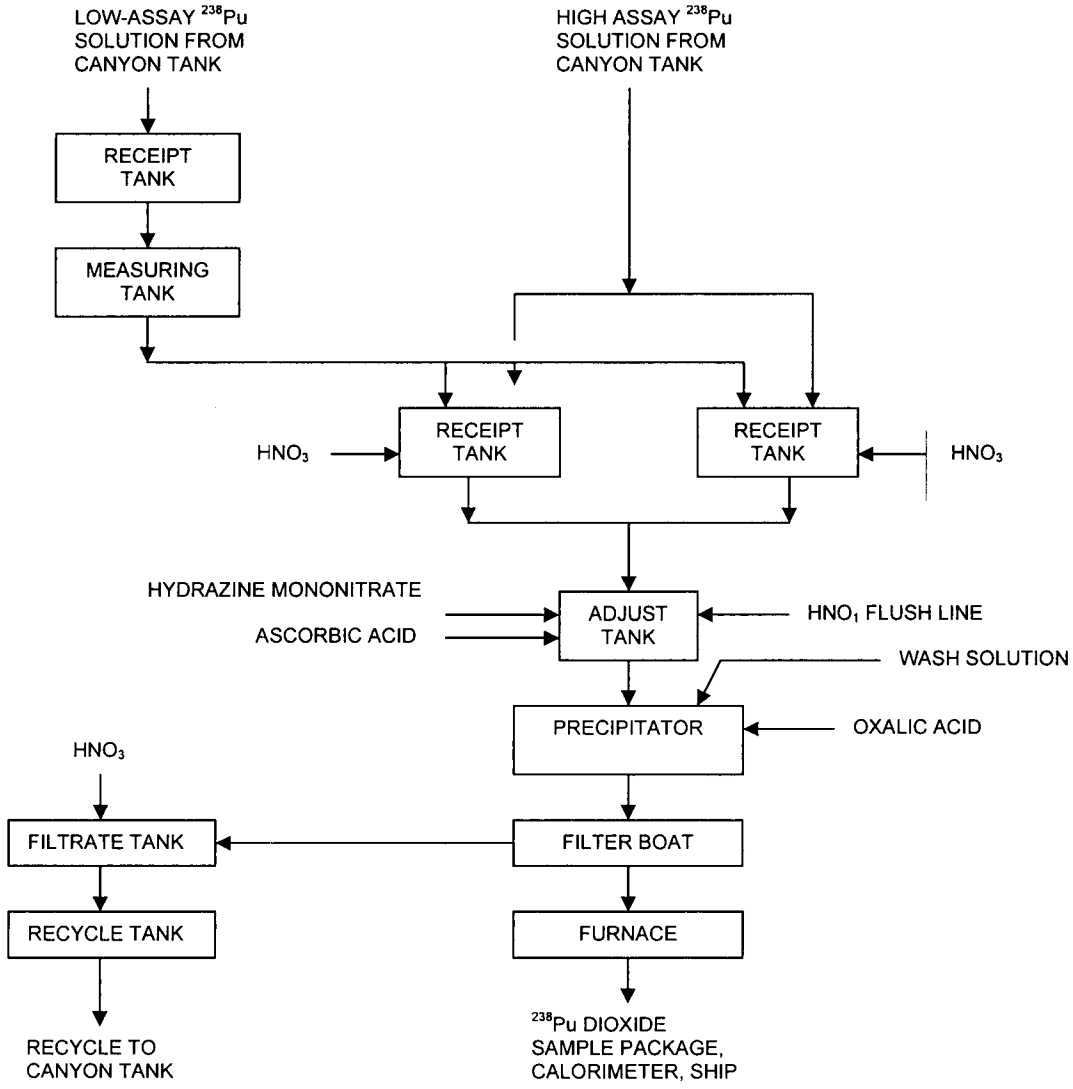


Figure 13. Schematic of New HB-Line Plutonium Oxide Process

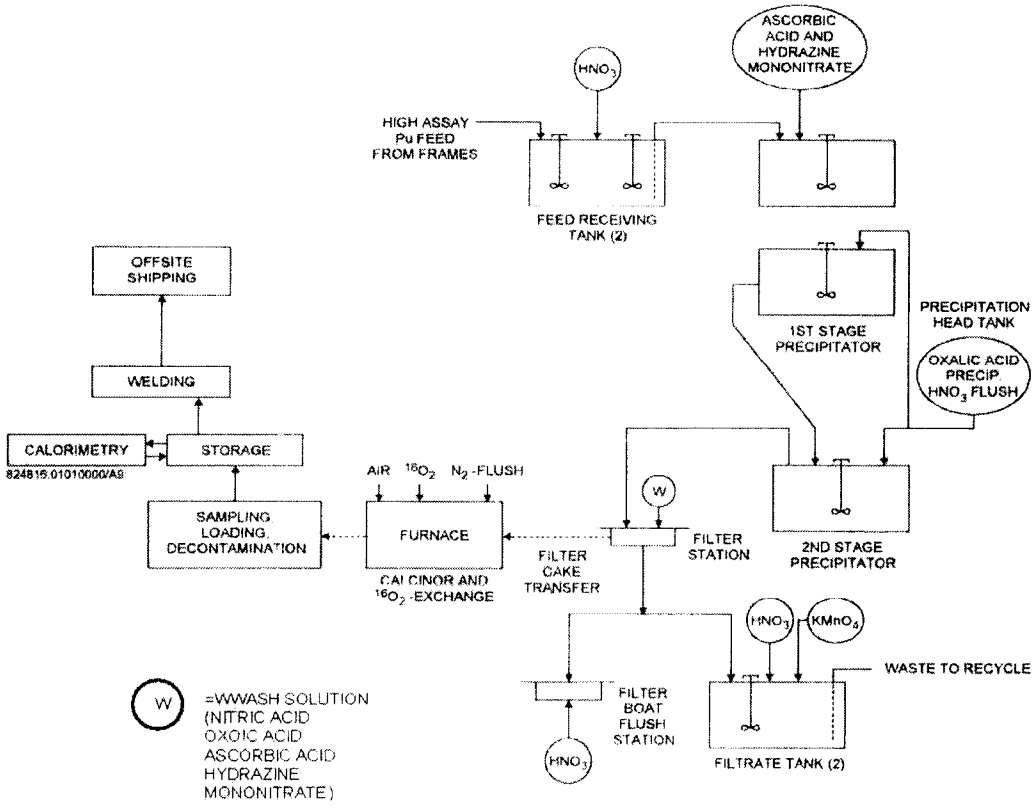
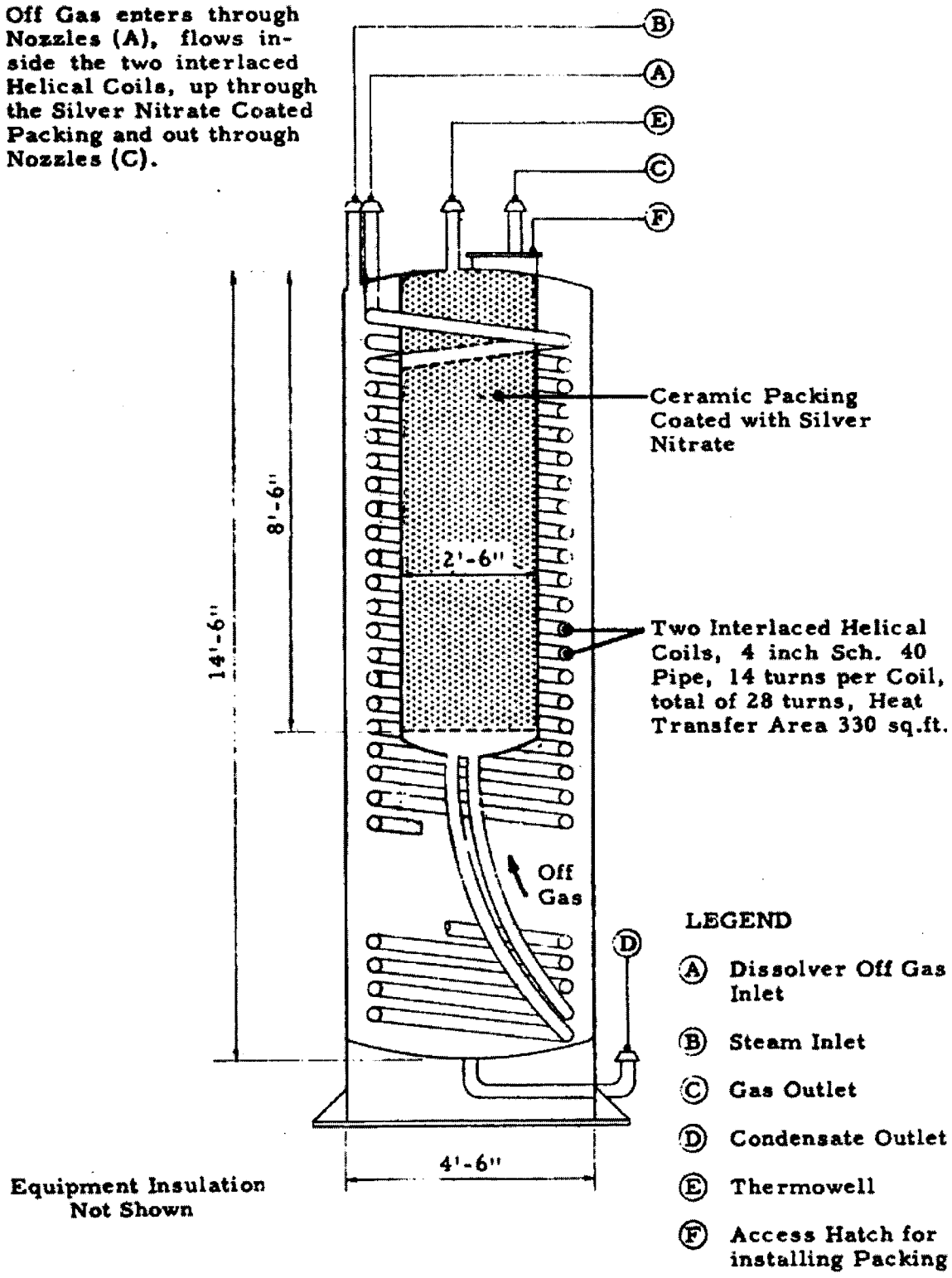
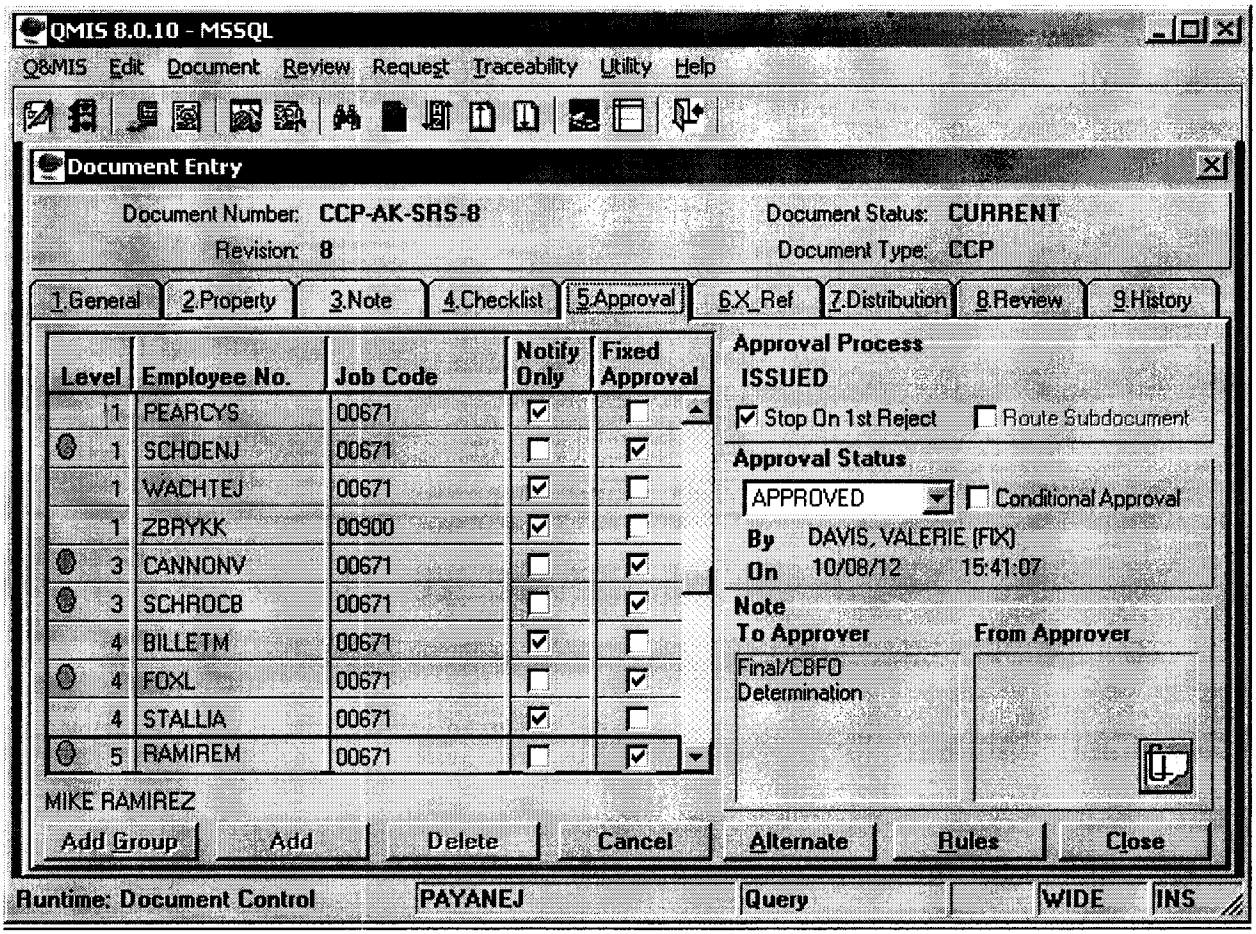


Figure 14. H-Canyon Dissolver Off-Gas Heater and Iodine Reactor

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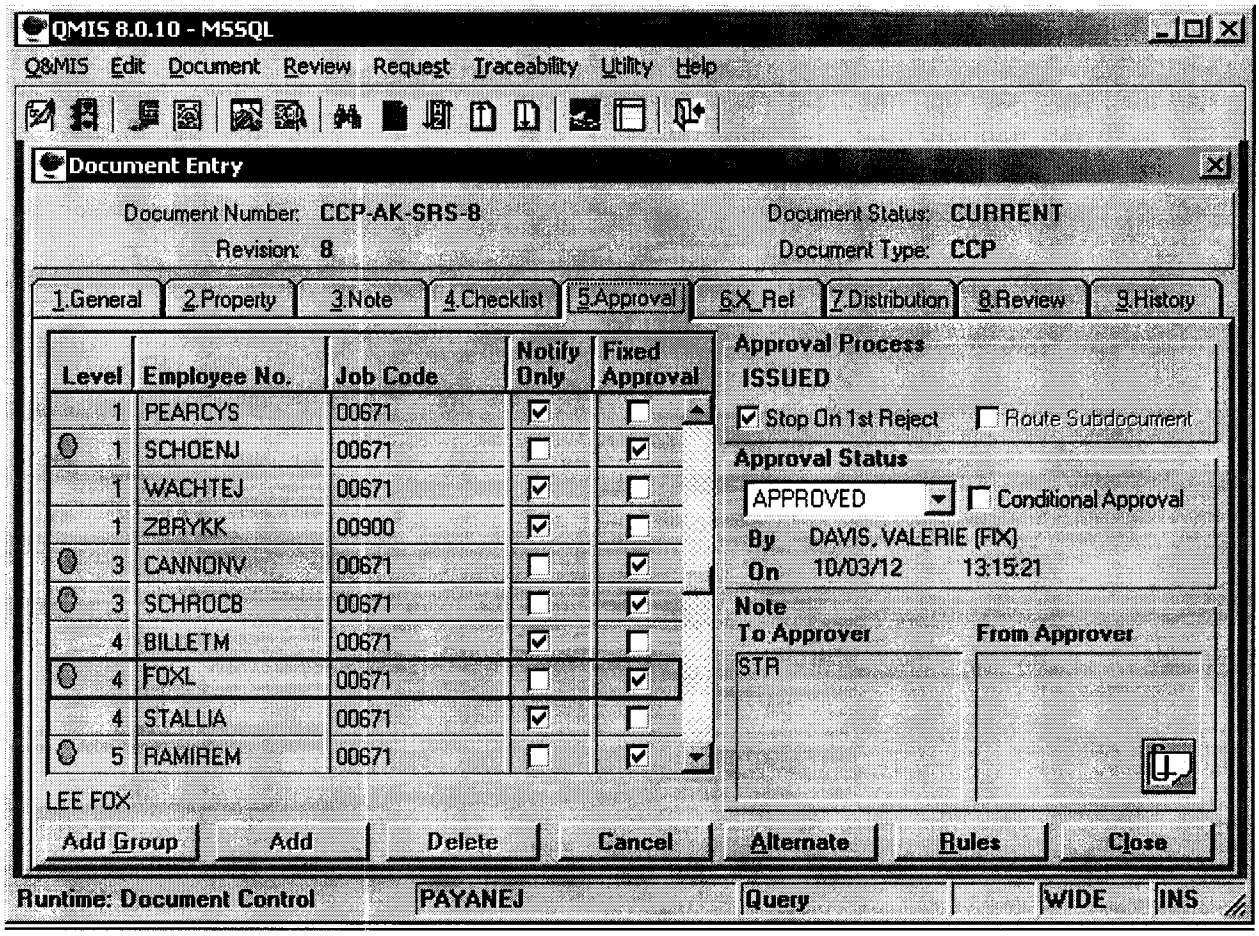
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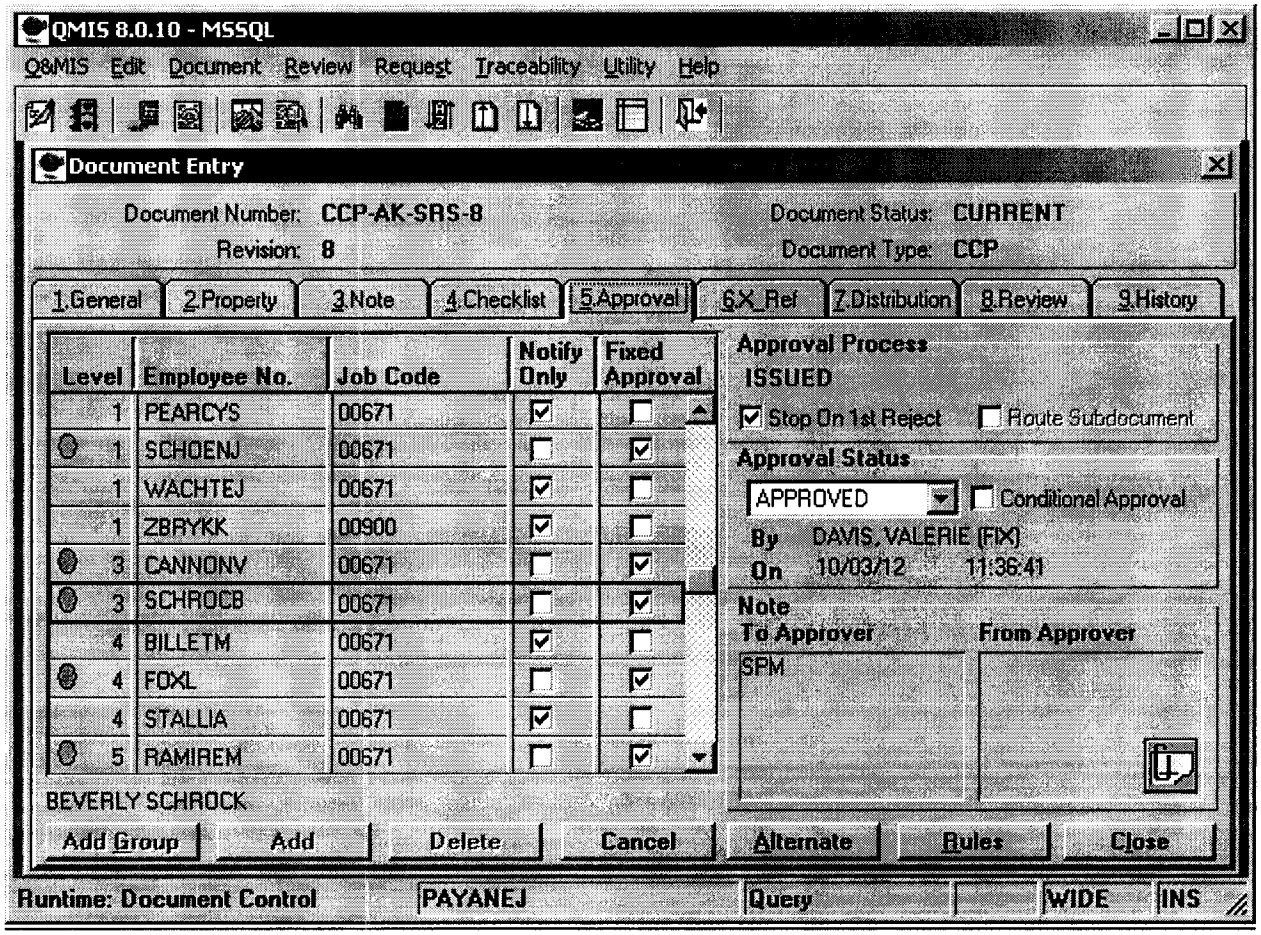
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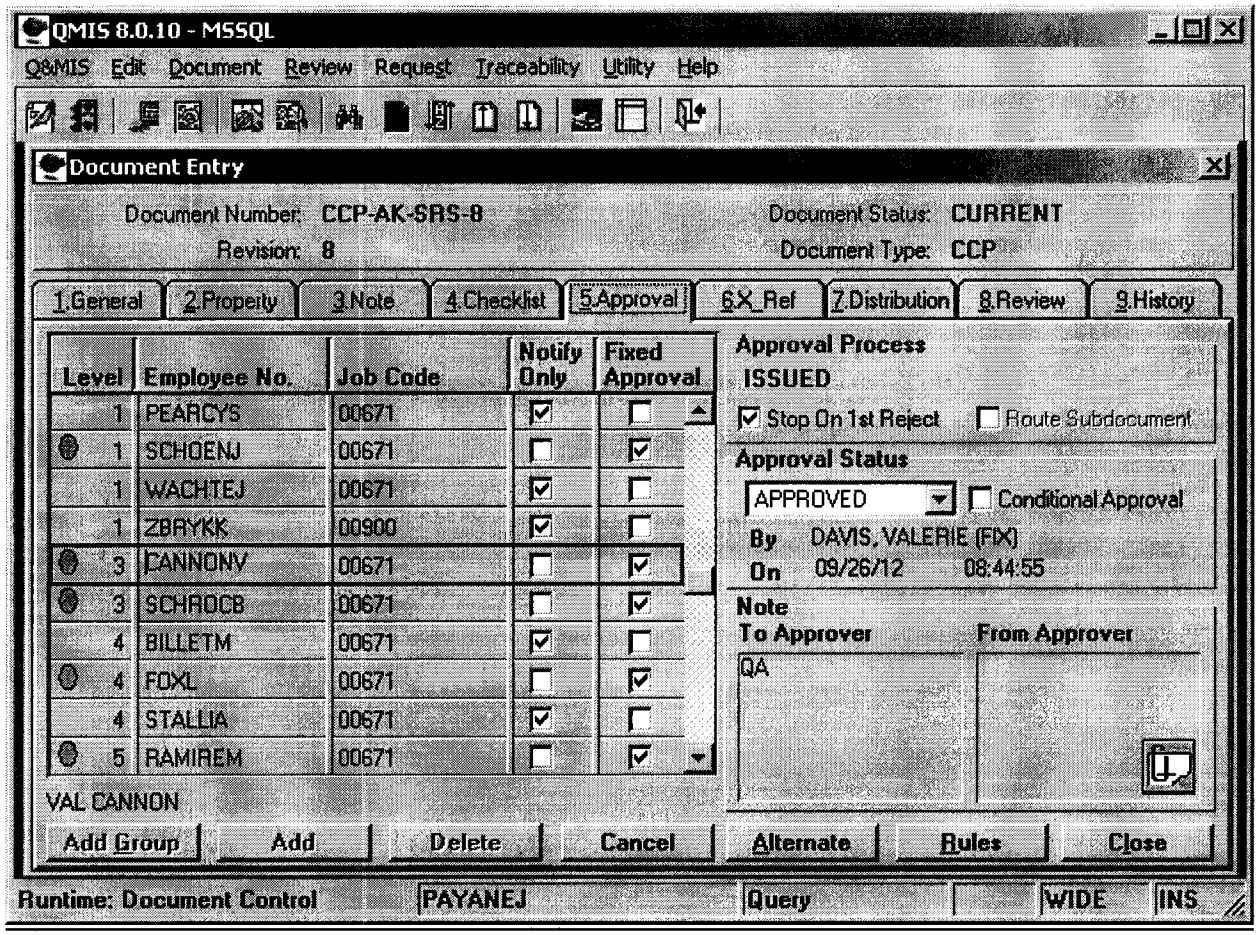
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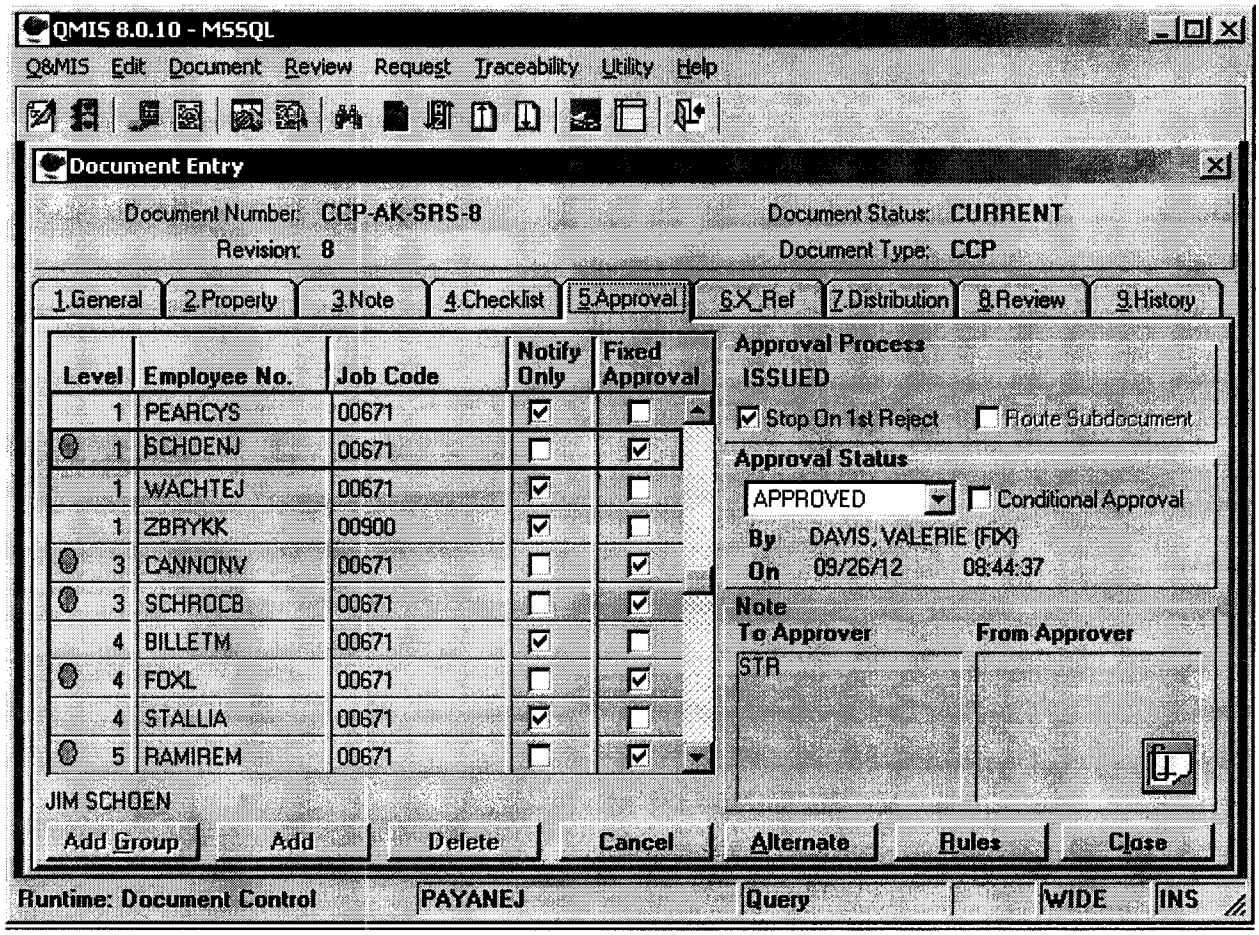
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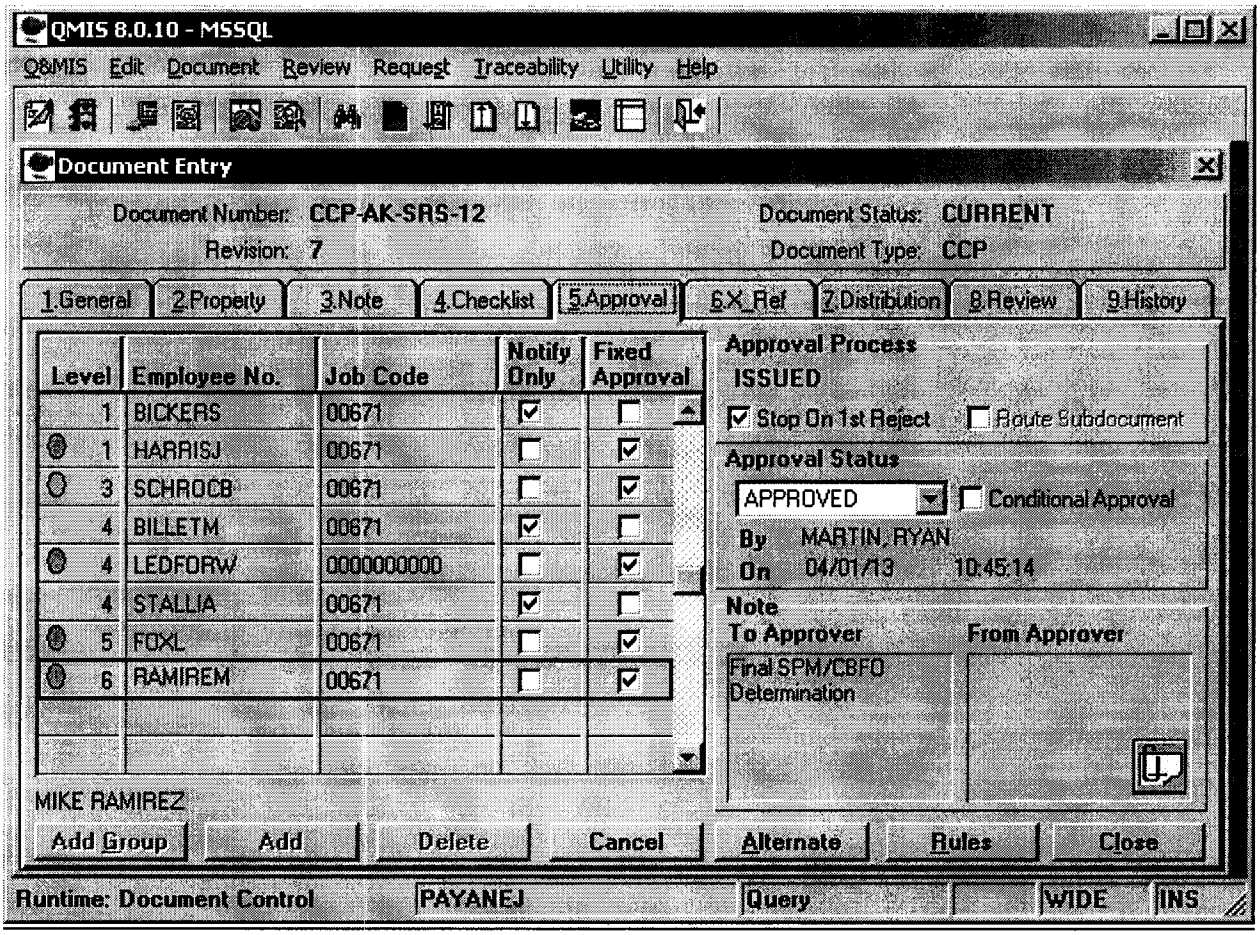
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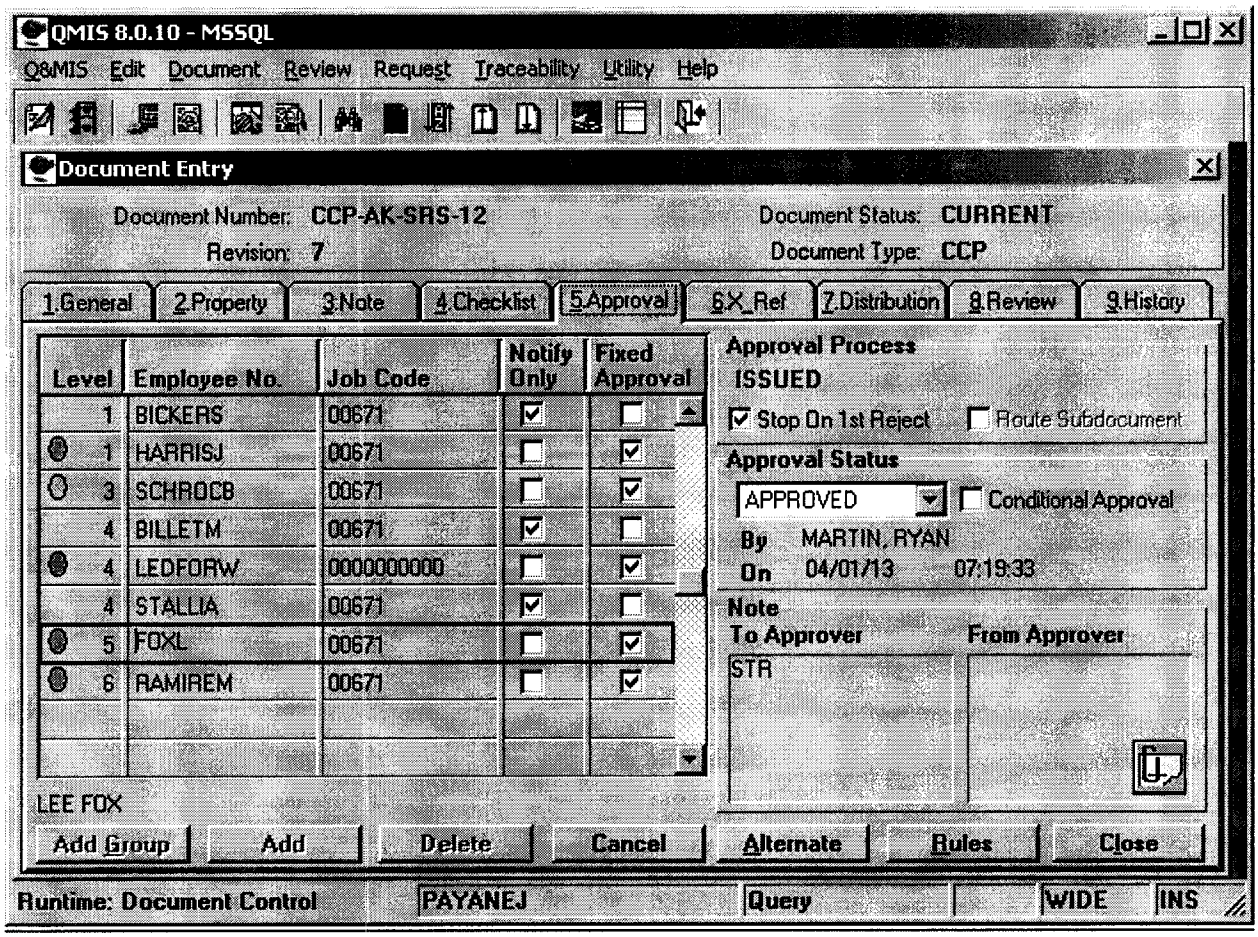
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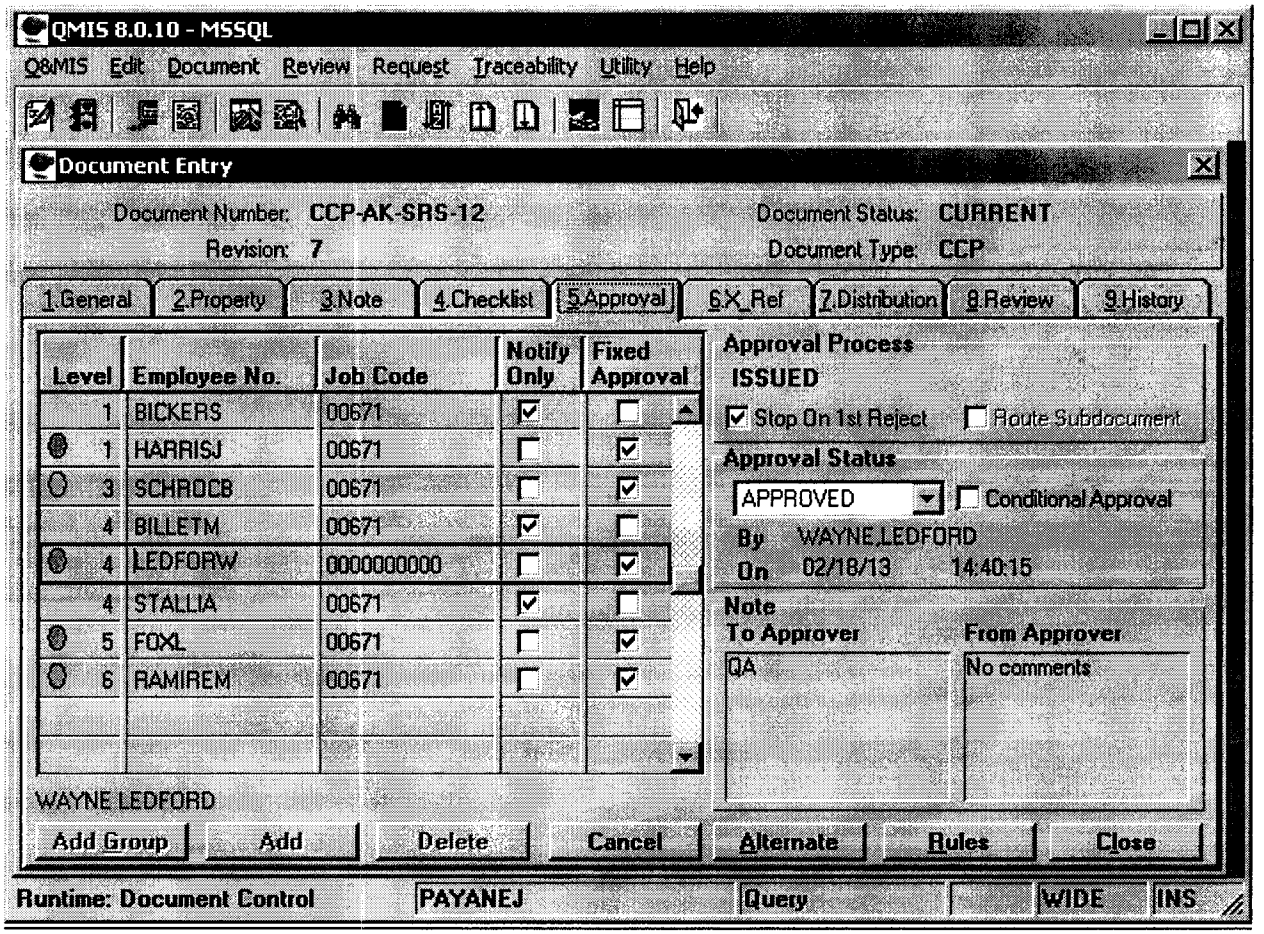
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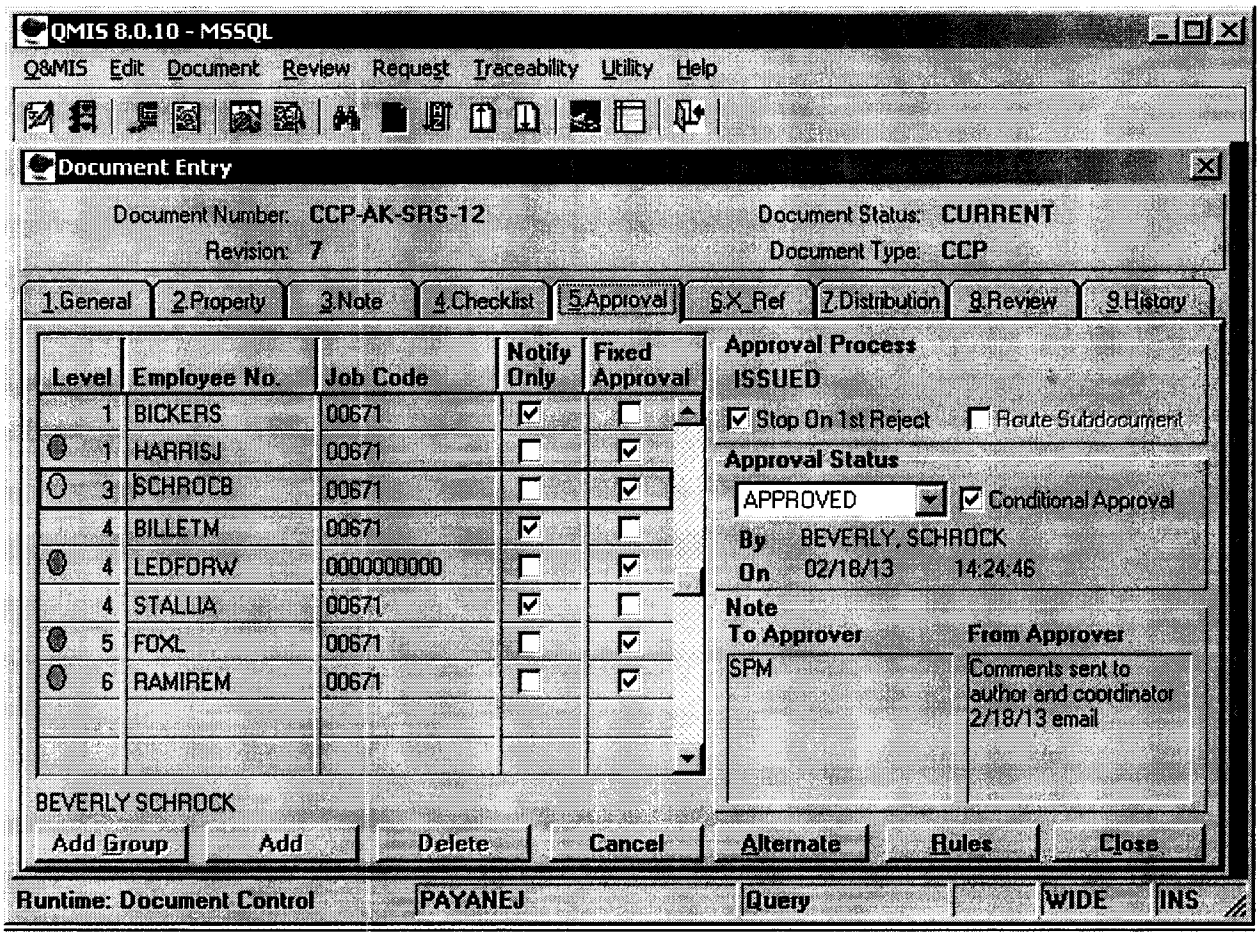
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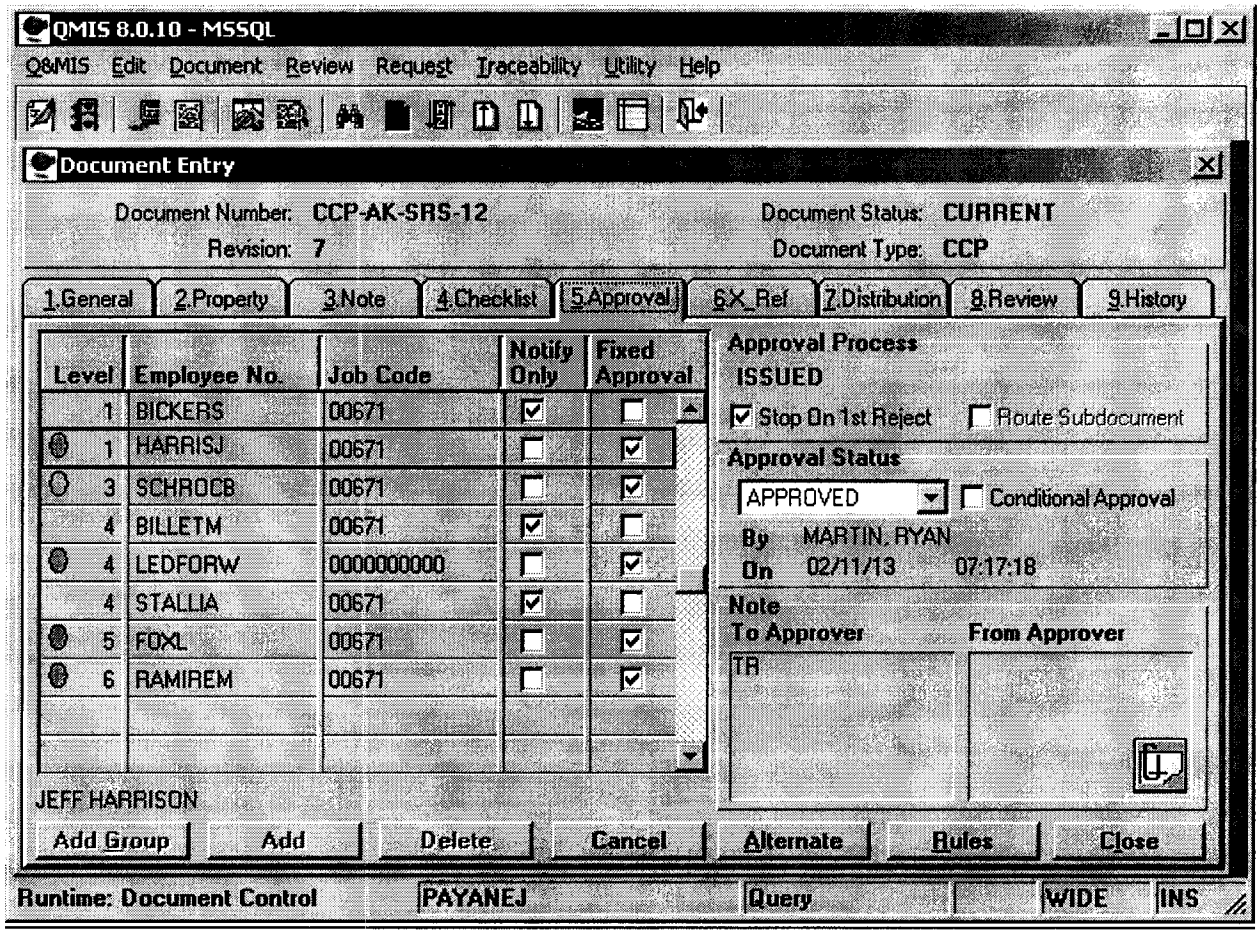
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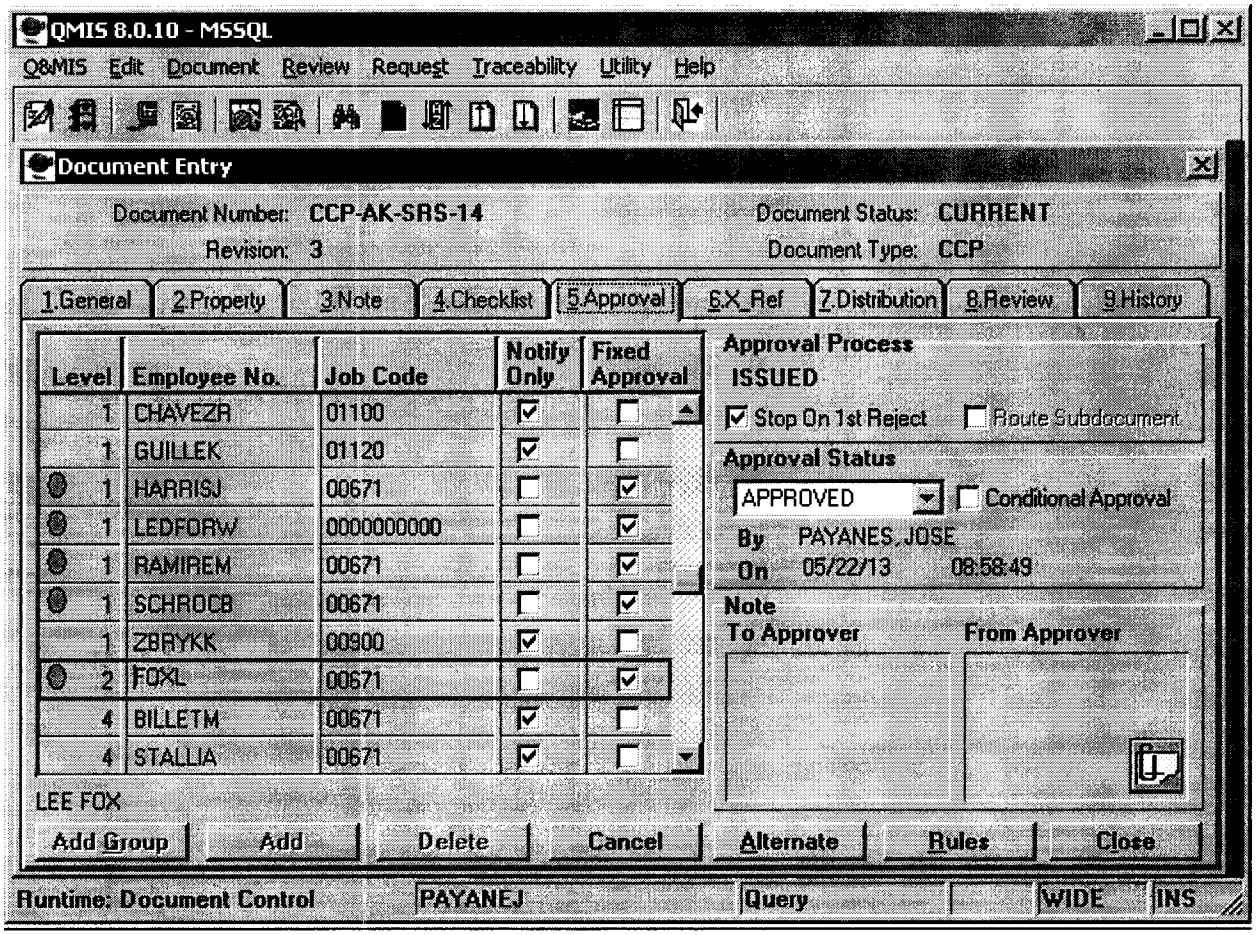
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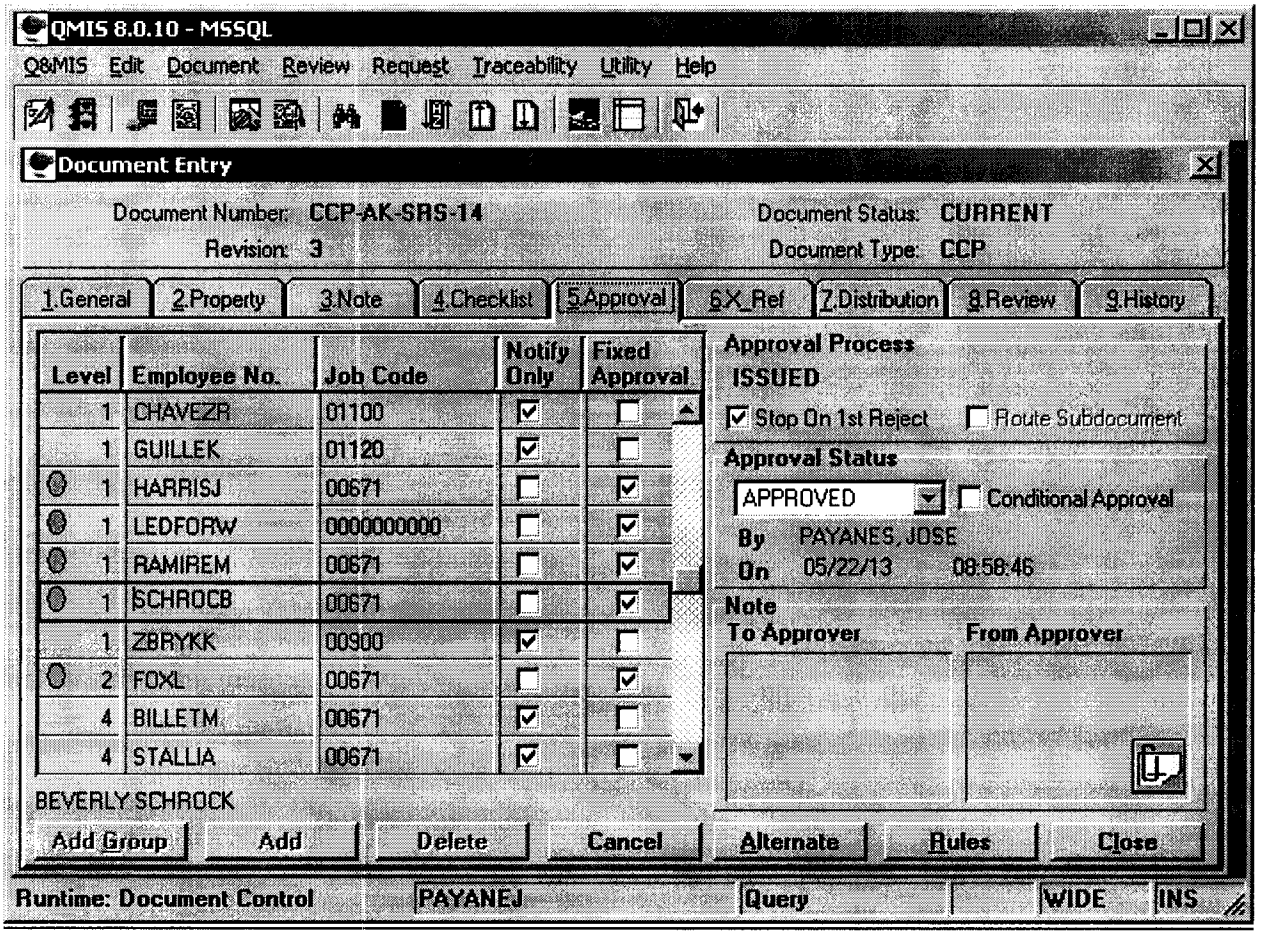
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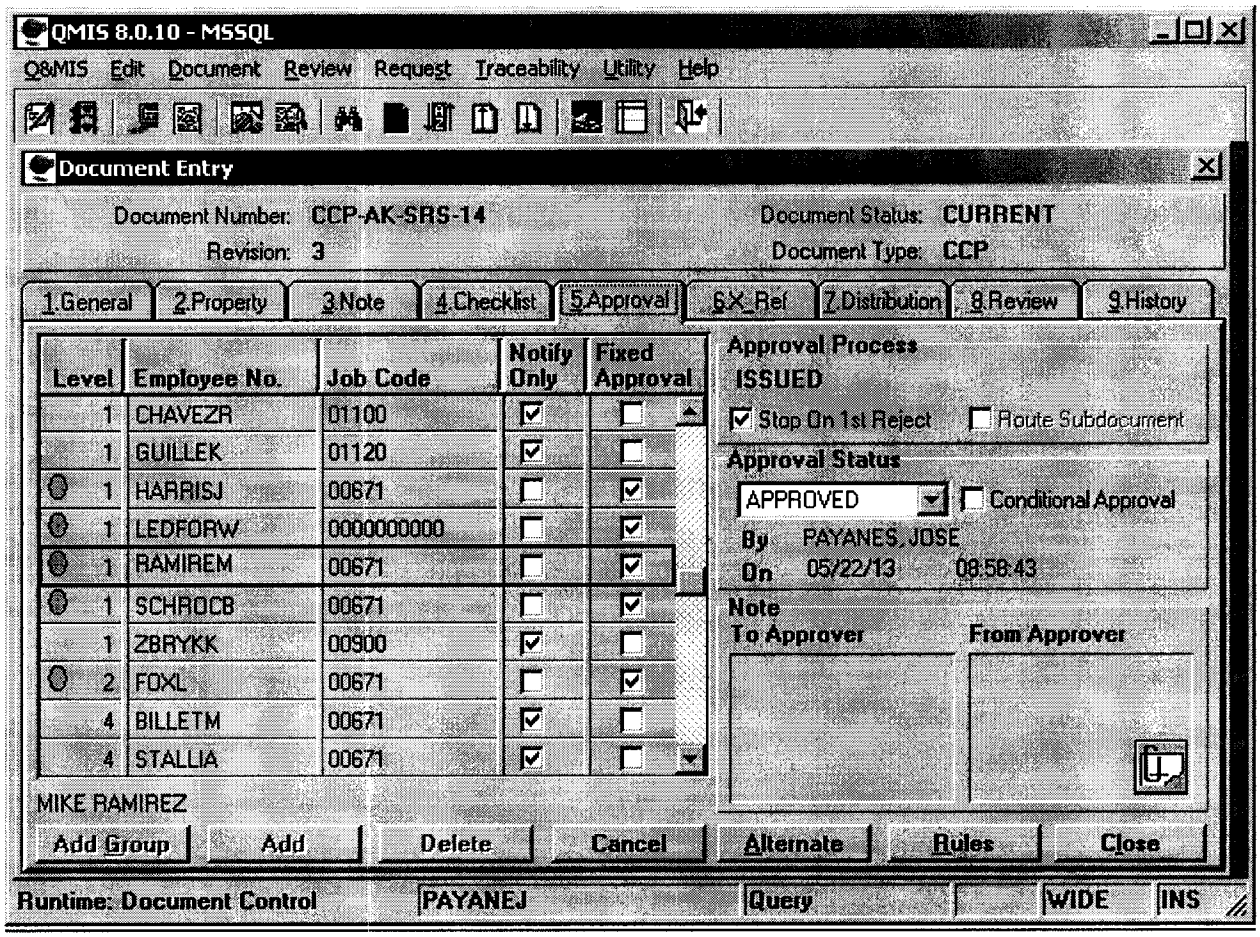
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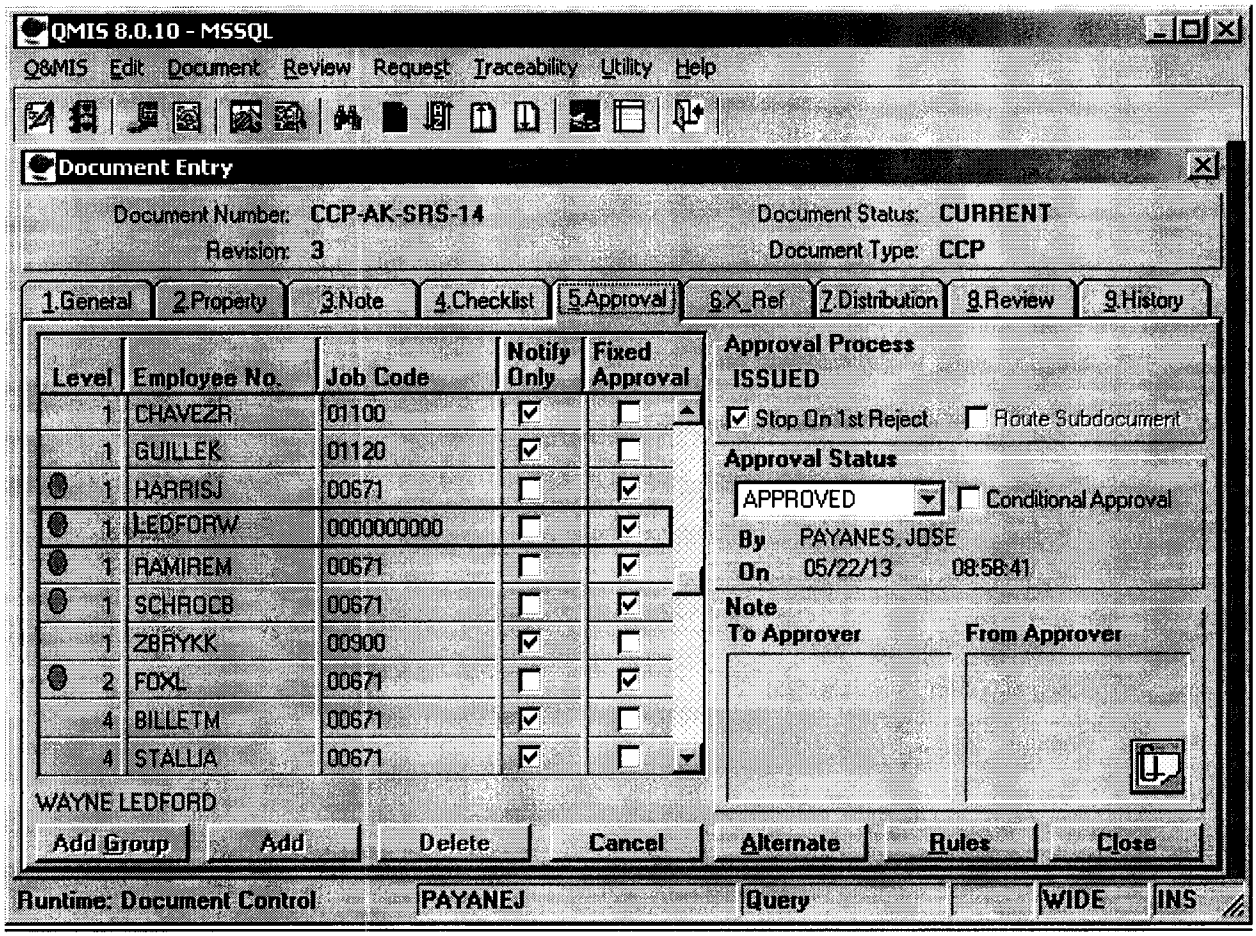
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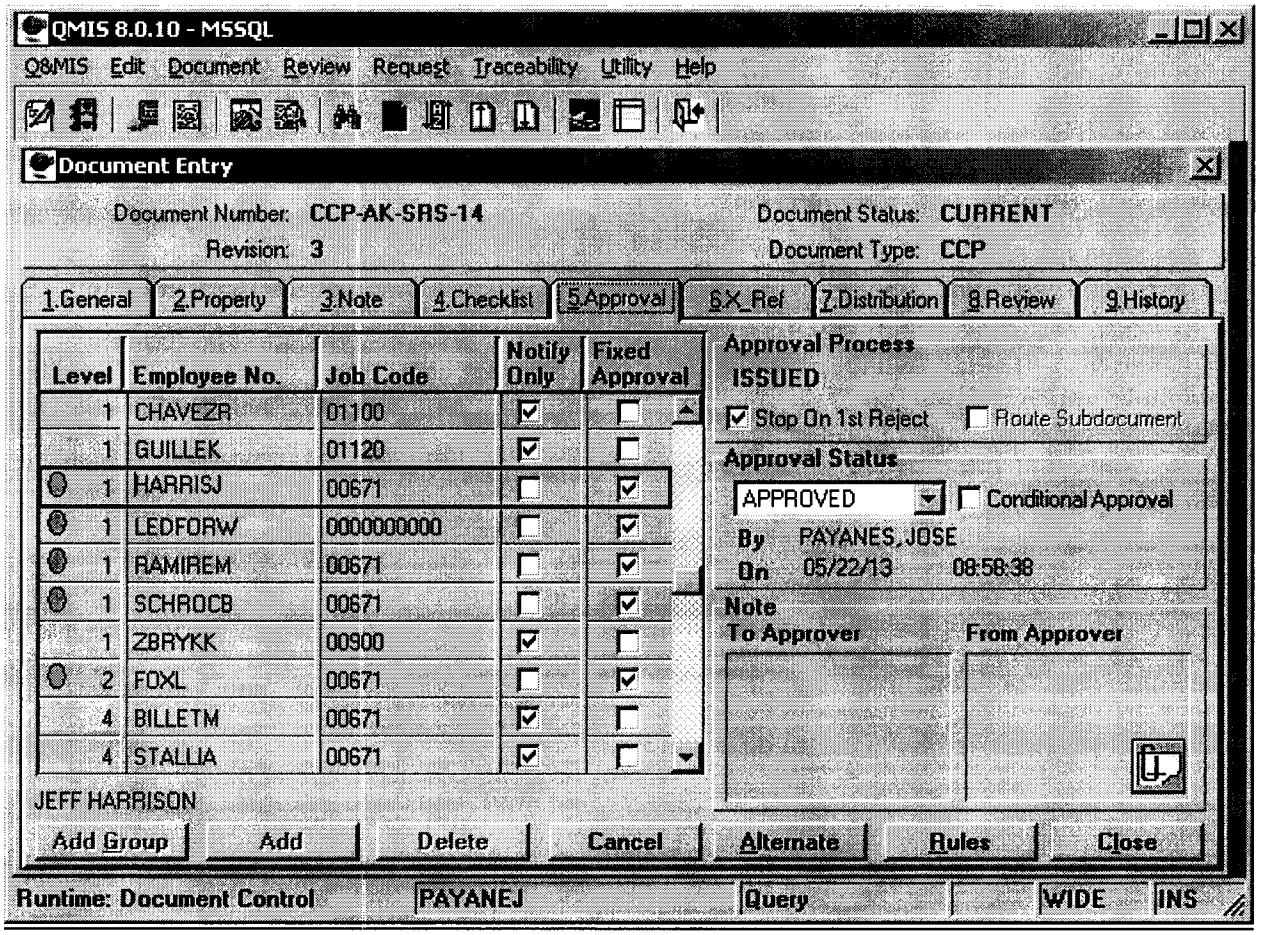
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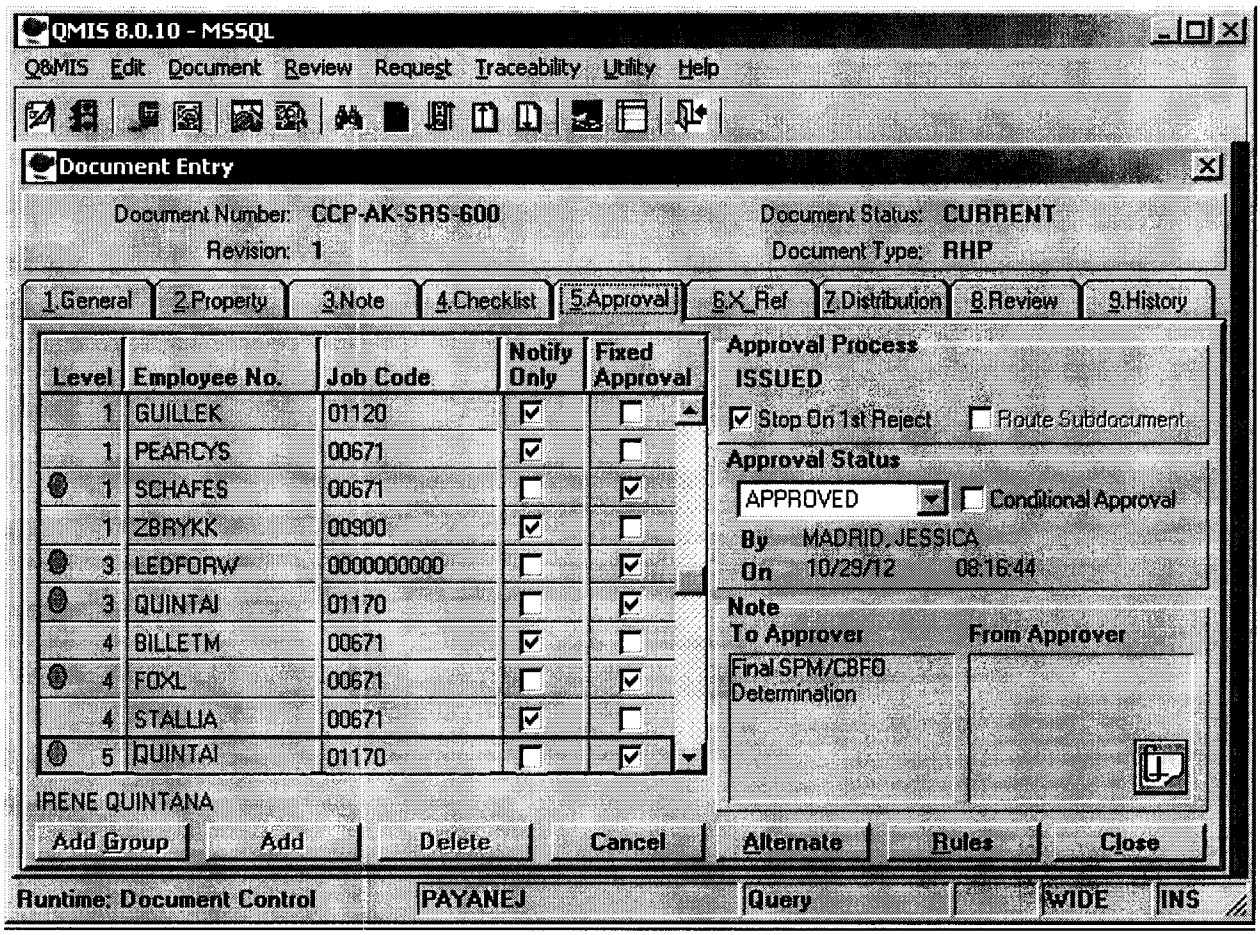
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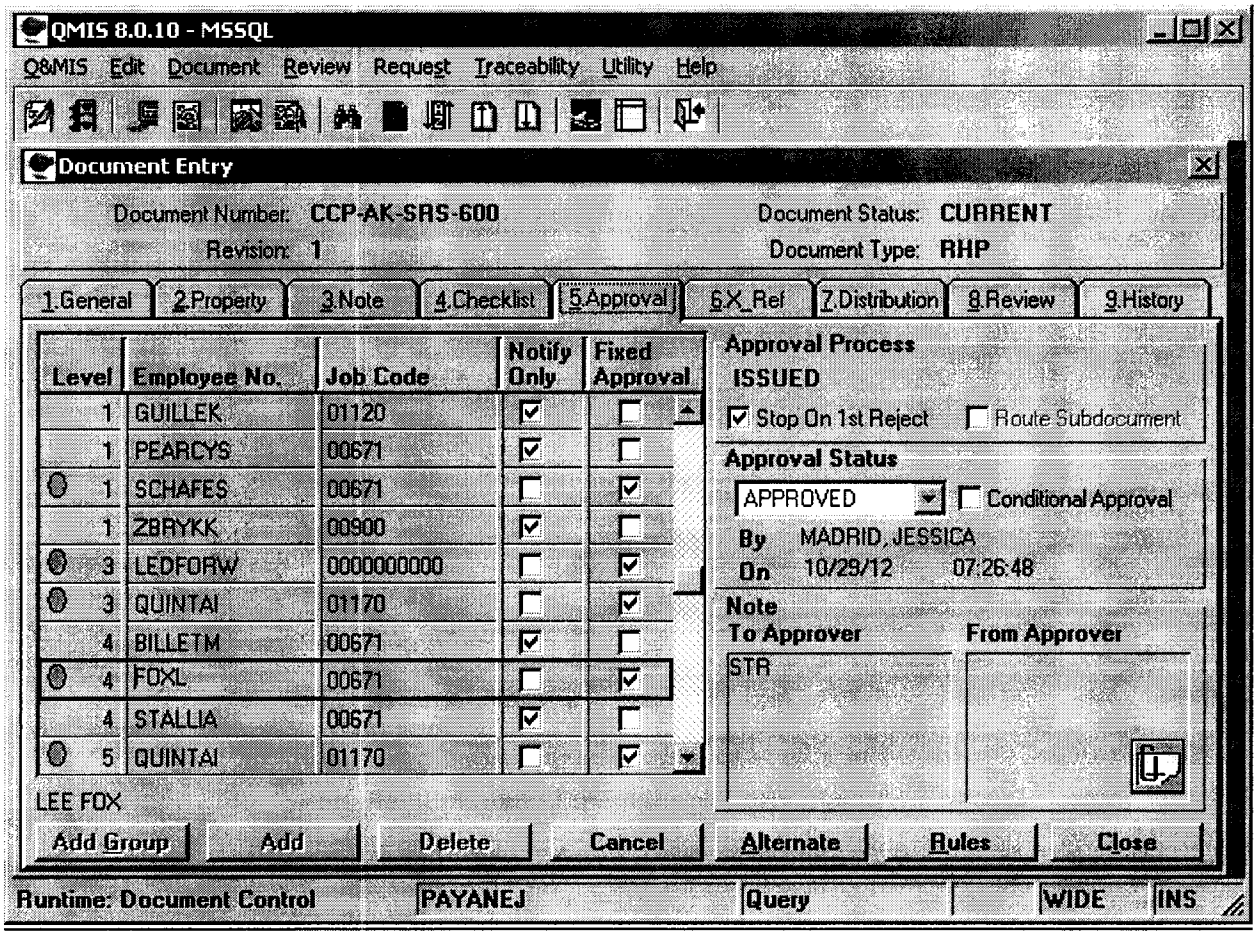
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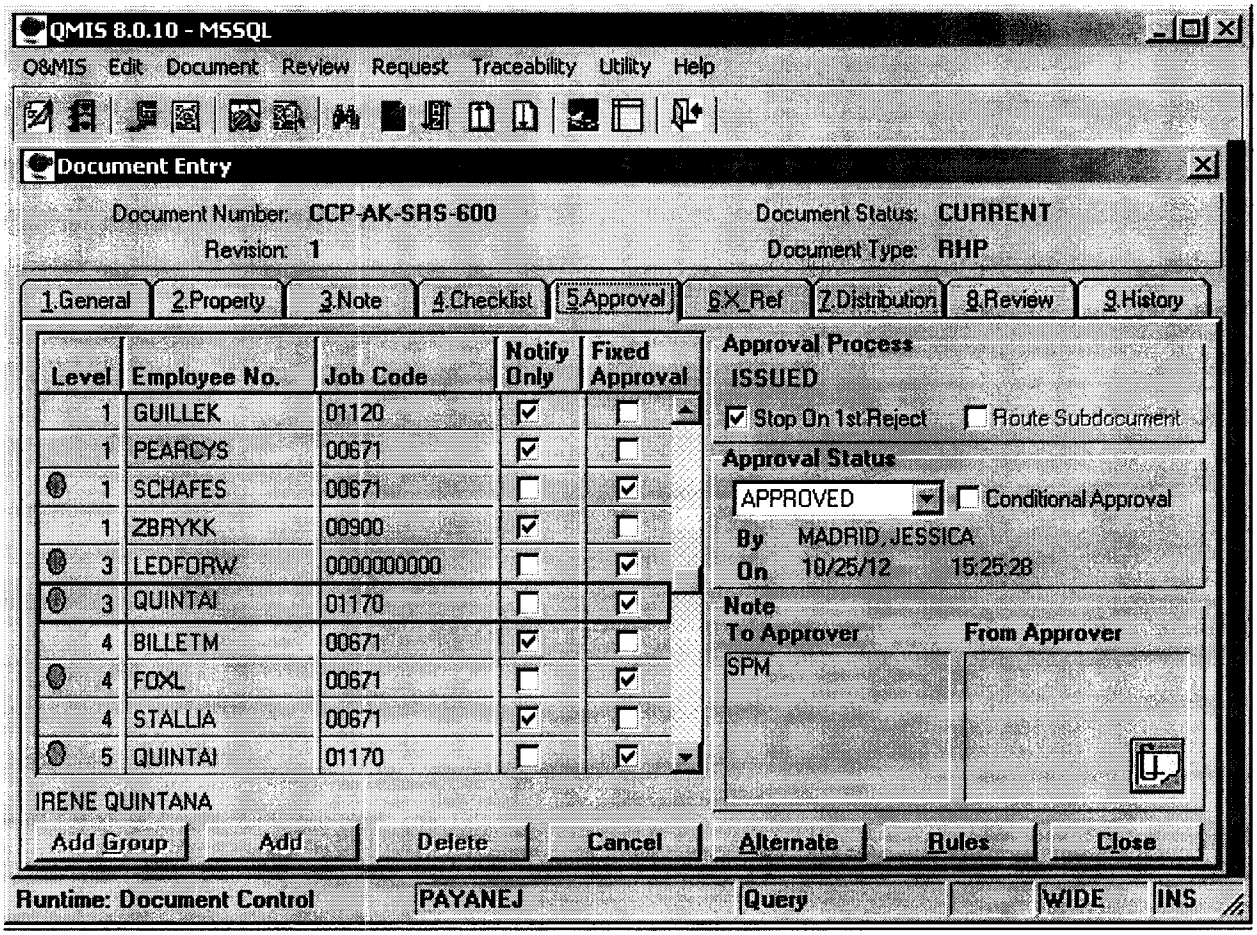
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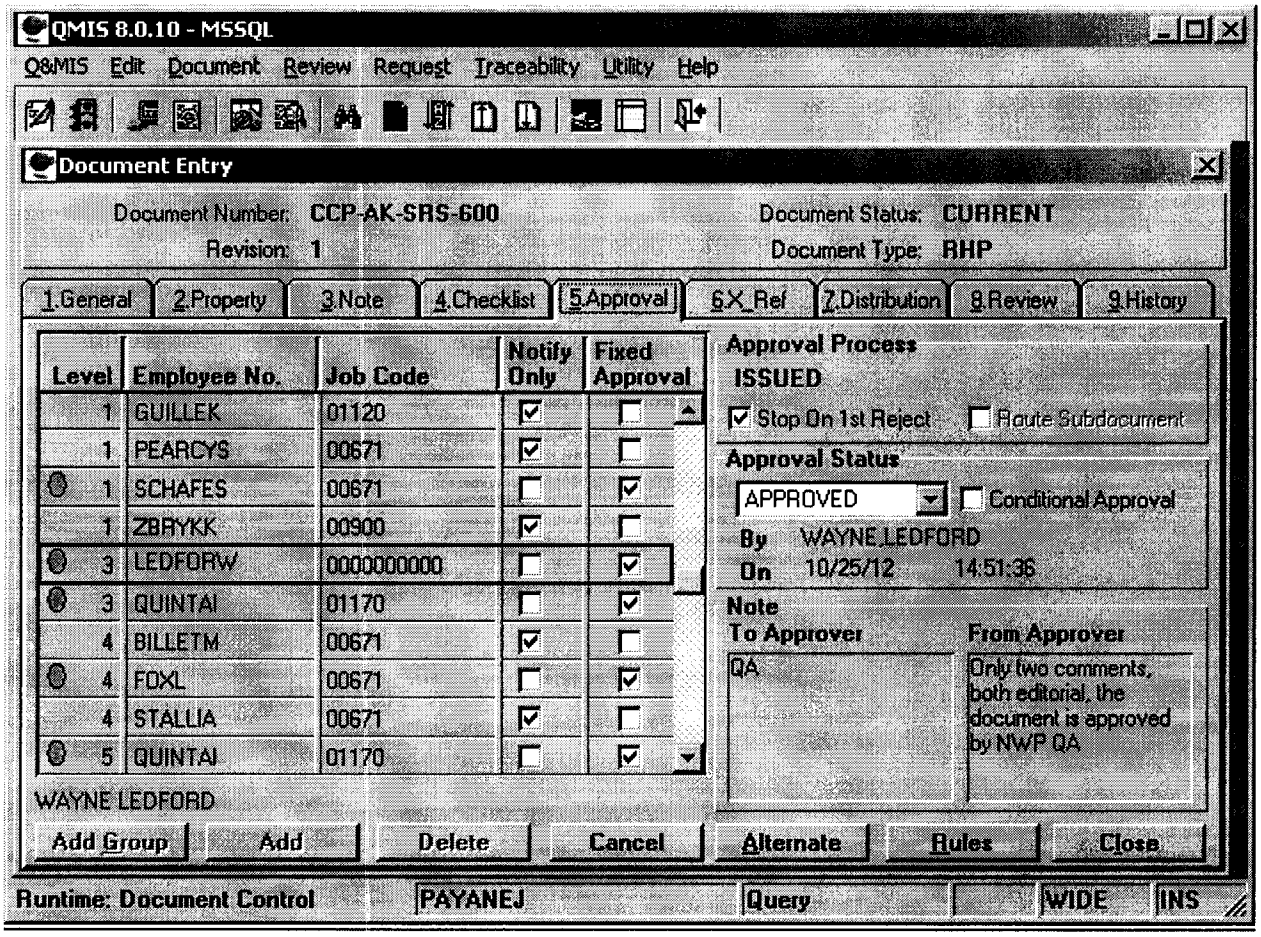
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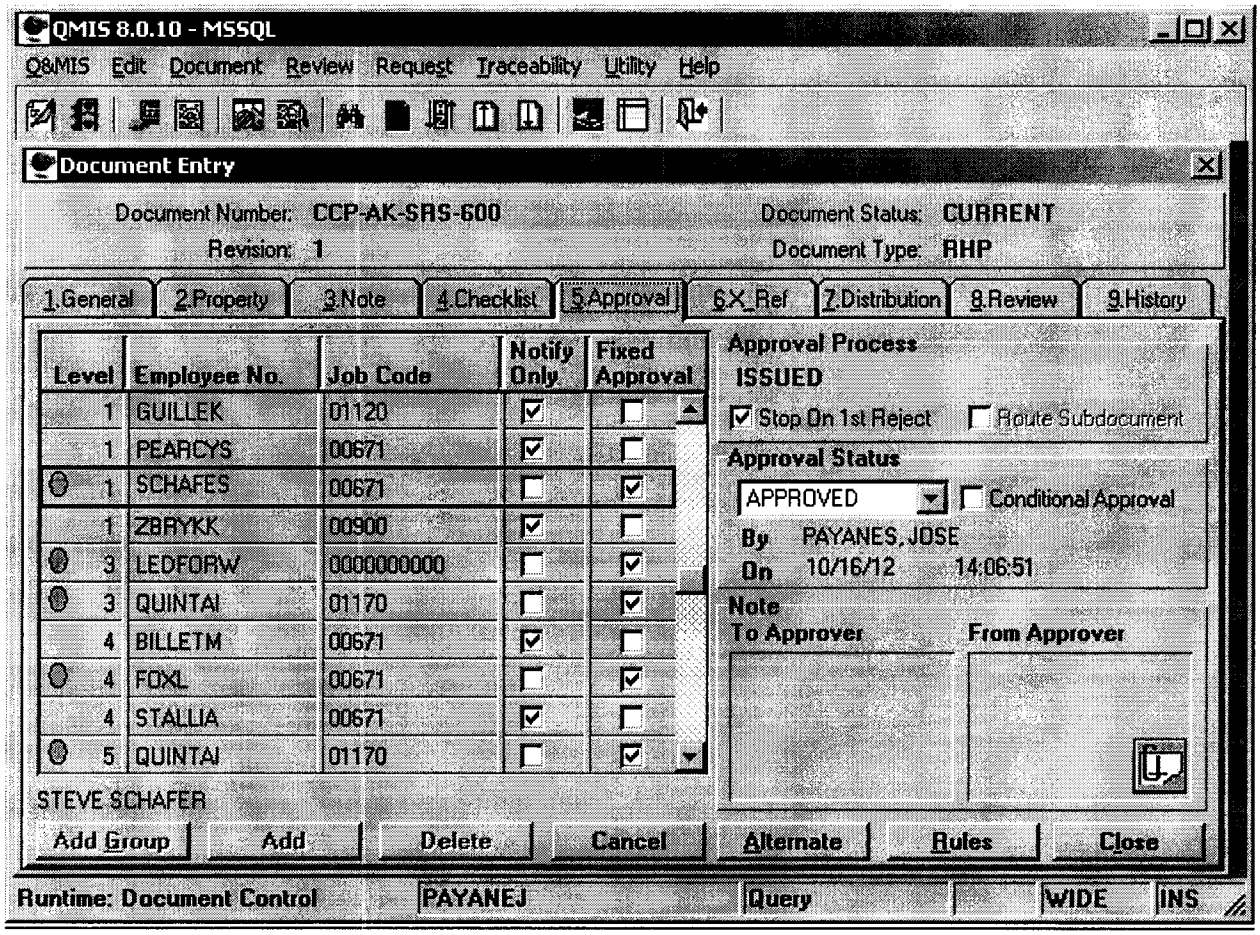
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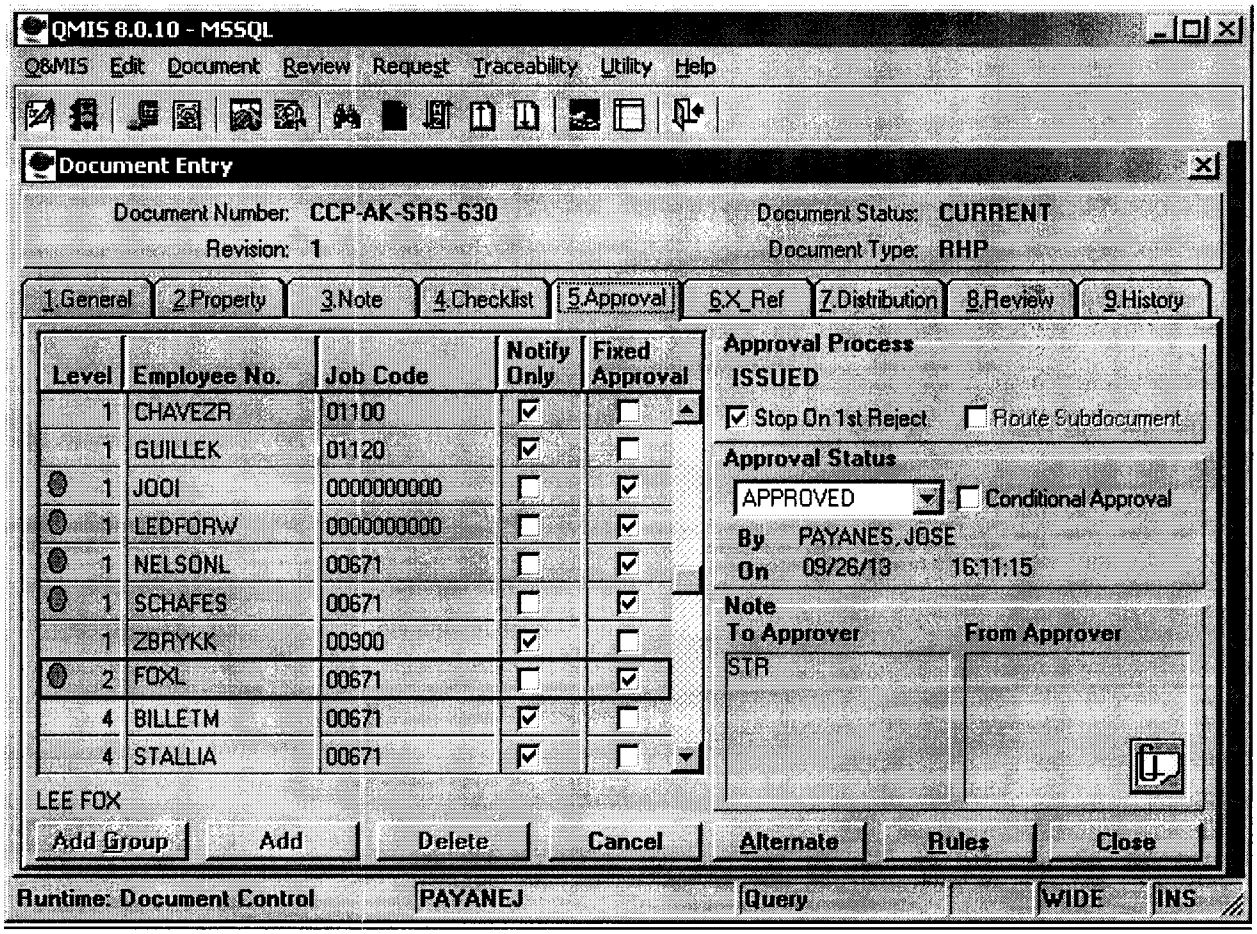
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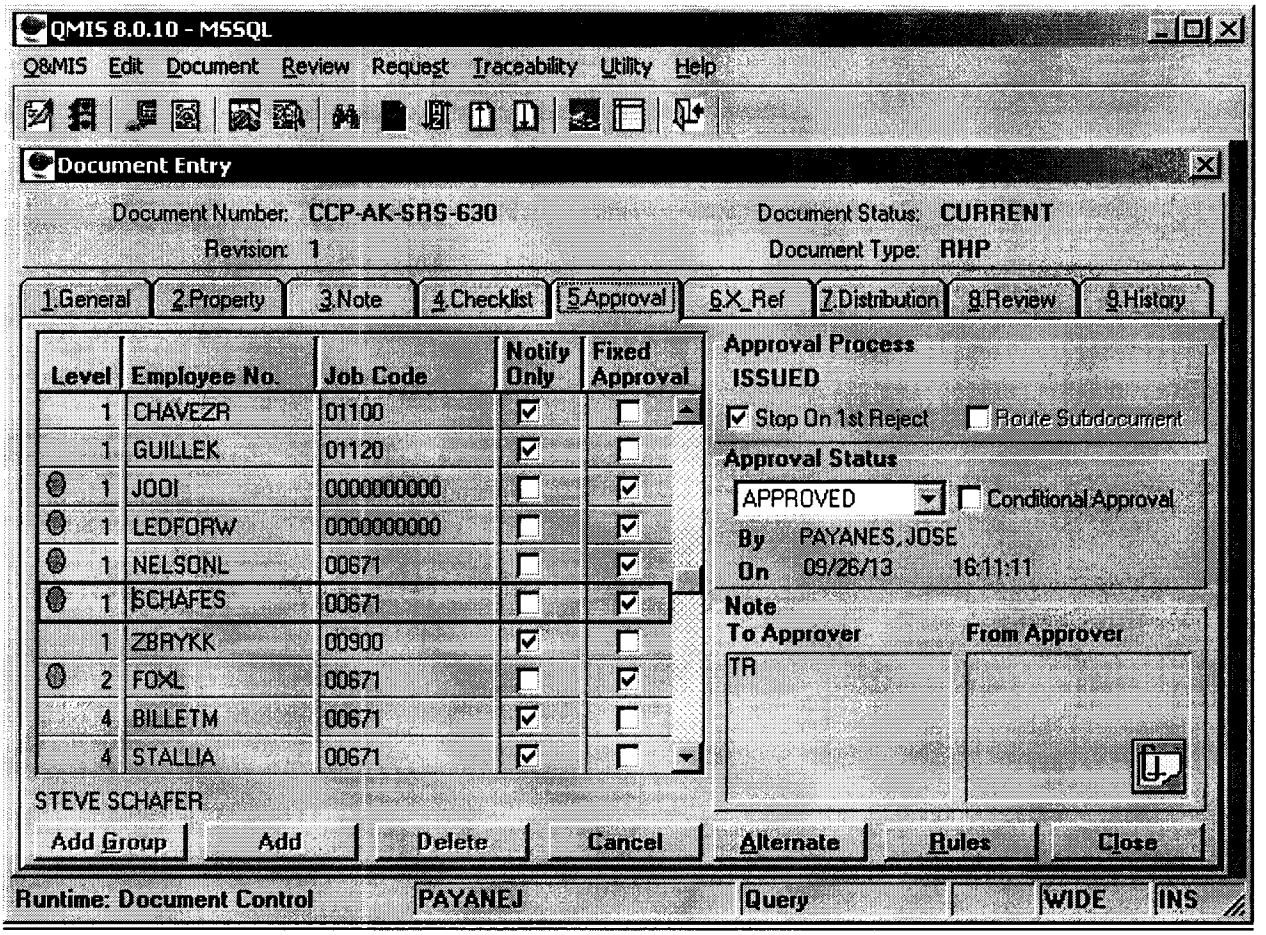
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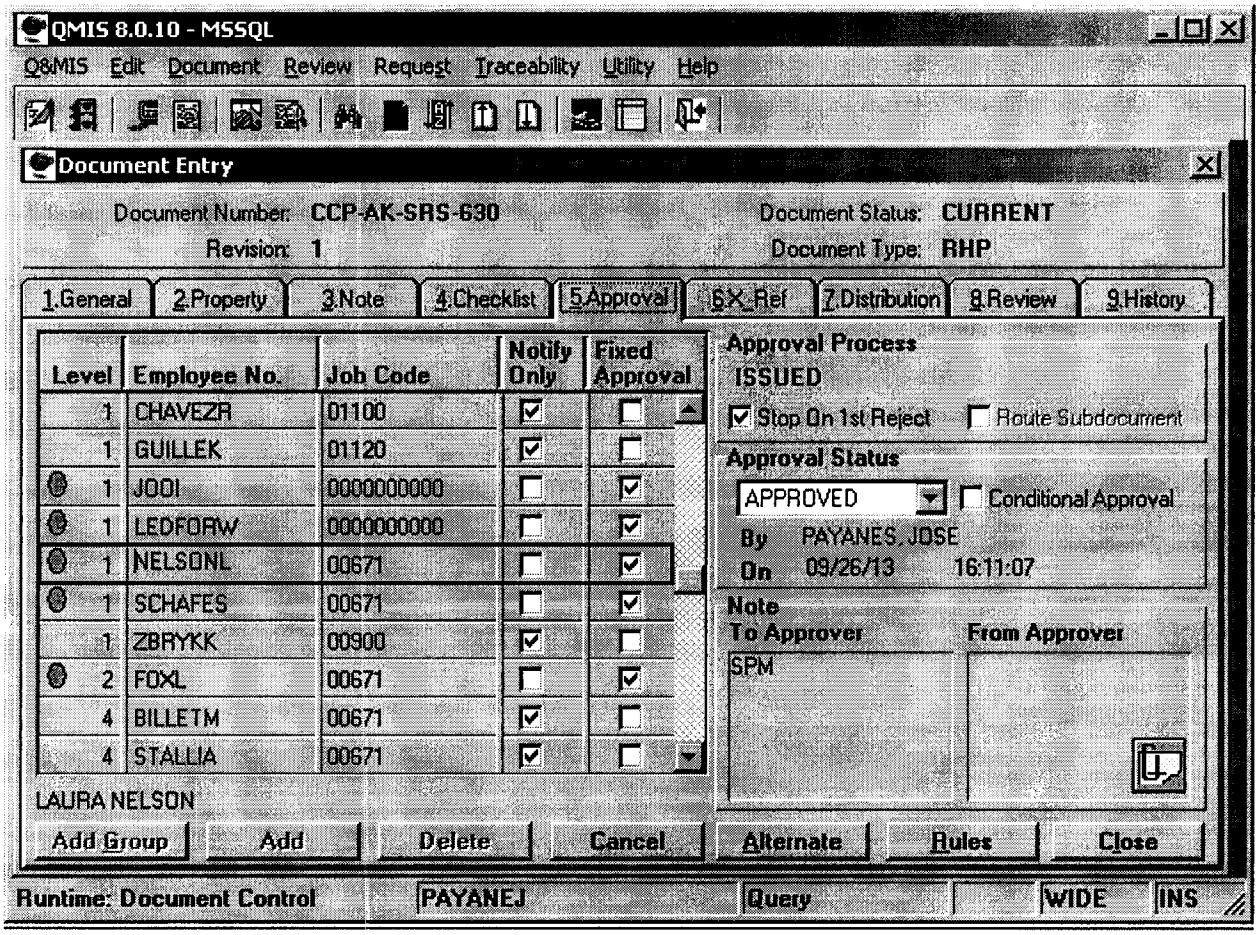
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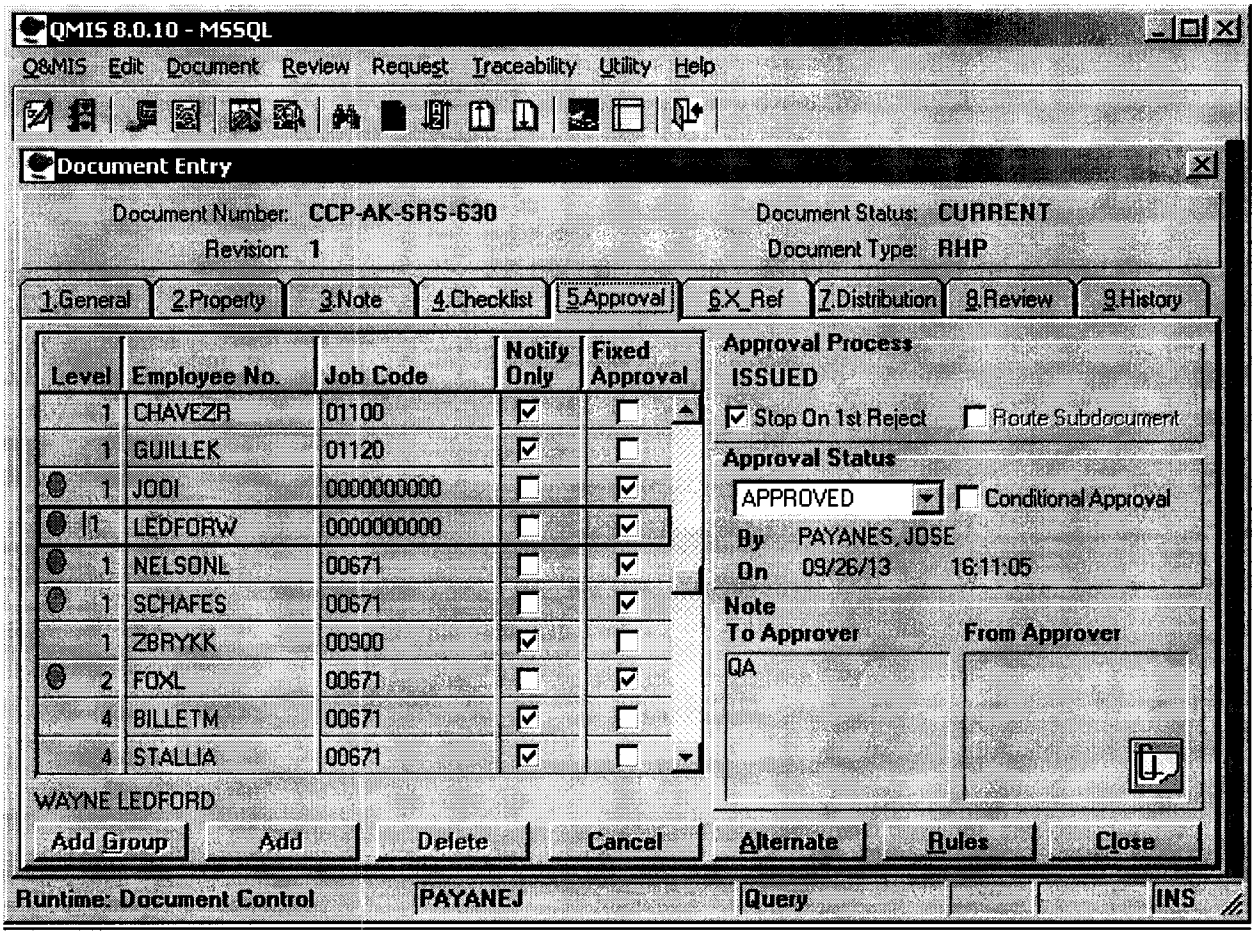
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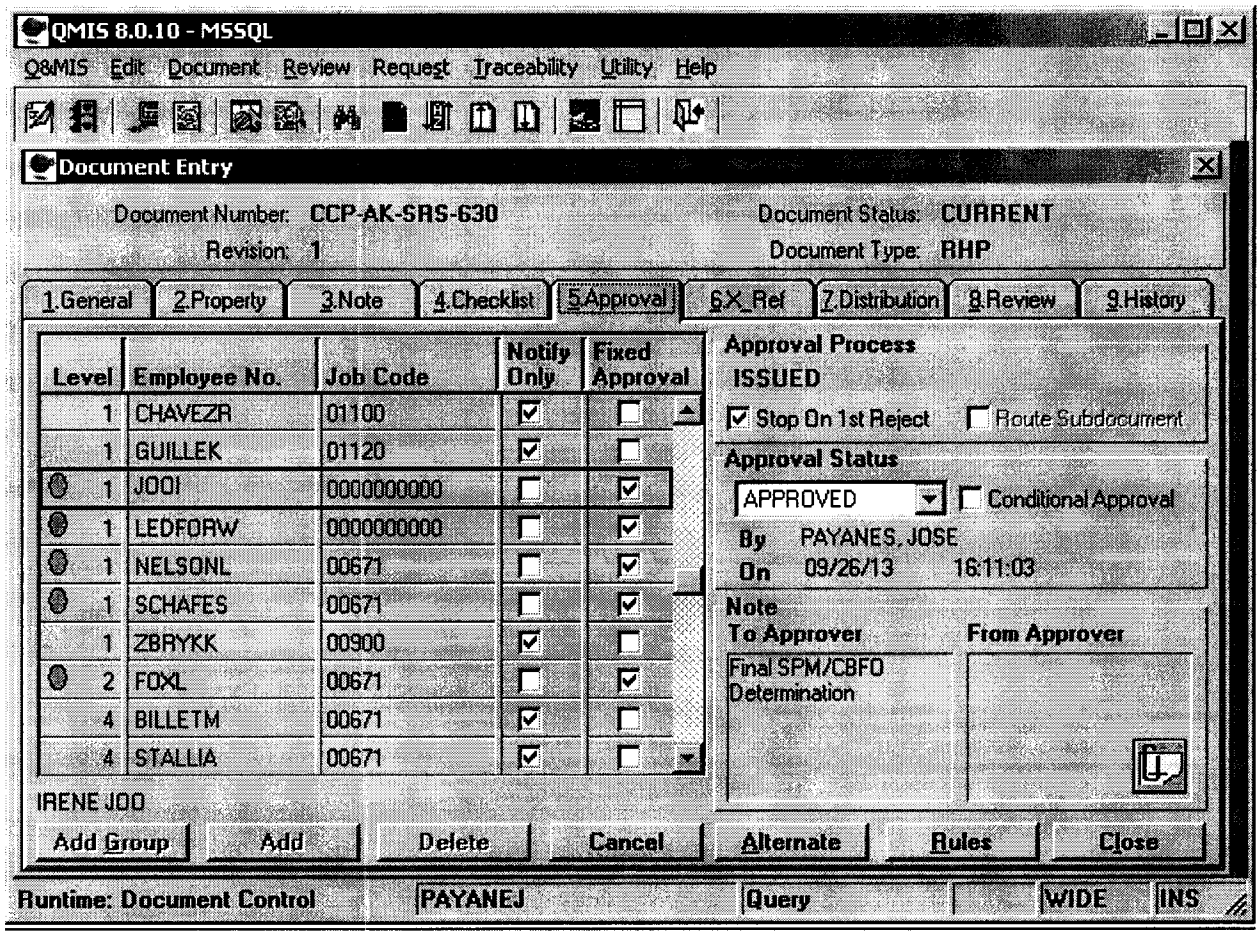
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AK7

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01376
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: August 15, 2013

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-SWMF-HET-B

Please accept the attached Savannah River site Waste Stream Profile Form SR-SWMF-HET-B to be placed in records for Waste Stream # SR-SWMF-HET-B.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

NTPC RECORDS ORIGINAL
DATE REC'D 8/21/13

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-SWMF-HET-B								
(2) Generator site name: Savannah River Site							(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock							(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012								
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012								
(8) Did your facility generate this waste?	YES	X	NO					
(9) If no, provide the name and EPA ID of the original generator: NA								
Waste Stream Information								
(10) WIPP ID: SR-SWMF-HET-B							(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste							(13) Waste Stream Name: Contaminated Clean-Up Debris from the Solid Waste Management Facility	
(14) Description from the ATWIR: Solid Waste Management Facility debris resulting from spill cleanup activities.								
(15) Defense TRU Waste:	YES	X	NO					
(16) Check One:	CH	X	RH					
(17) Number of SWBs: NA (17a) Number of SLB2: NA	(18) Number of Drums: 6 55-gallon drums						(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.								
(21) List applicable EPA Hazardous Waste Numbers: D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005 and U133								
(22) Applicable TRUCON Content Numbers: SR 125 / SR 225, SQ 154								
(23)**Acceptable Knowledge Information**								
(For the following, enter the supporting documentation used [i.e., references and dates])								
Required Program Information								
(23A) Map of site: CCP-AK-SRS-12, Revision 7, April 16, 2013, Figures 1 and 2								
(23B) Facility mission description: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.1.3								
(23C) Description of operations that generate waste: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.3								
(23D) Waste identification/categorization schemes: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.5								
(23E) Types and quantities of waste generated: CCP-AK-SRS-12, Revision 7, April 16, 2013, 2012, Section 4.7								
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.6.2								
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012								
(25) Required Waste Stream Information								
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.1								
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.2								

(25C) Waste generating process description for each building: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.3			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-SWMF-HET-B Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology		Defense research and development
X	Defense nuclear waste and material by-products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) Supplemental Documentation:			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P003, P007, P019, P025, P030, P038, P039 and P045 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27C) Safety Analysis Reports: See D001, D003, D004, D005 and D018 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27D) Waste packaging logs: See M022 and M029 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27E) Test plans/research project reports: NA			
(27F) Site databases: See M025 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27G) Information from site personnel: See C054, C072 and C078 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C068, C078, D020, DR005, P048, P049 and P050 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27J) Material safety data sheets: See C006 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 4/30/2013

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 4/30/2013

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date
Mike Ramirez for B. Schrock	Beverly Schrock	8/2/2013

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-SWMF-HET-B

Lot #: 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

CCP Headspace Gas UCL_{90} Evaluation Form..... 004

Headspace Gas Summary Data..... 006

RTR/VE Summary of Prohibited Items and AK Confirmation..... 007

Reconciliation with Data Quality Objectives..... 008

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Characterization Information Summary Cover Page

Waste Stream # SR-SWMF-HET-B Lot #. 1

AK Expert Review N/A Date N/A

SPM Review: Joshua Houghton Date: 6/27/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-011	Rev. 16	05/02/05	CCP Radiography Inspection Operating Procedure
CCP-TP-011	Rev. 17	11/16/06	CCP Radiography Inspection Operating Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/29/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Headspace Gas Sampling and Analysis (HSG):

CCP-TP-093	Rev. 16	09/07/11	CCP Sampling of TRU Waste Containers
CCP-TP-093	Rev. 17	11/20/12	CCP Sampling of TRU Waste Containers
CCP-TP-106	Rev. 7	12/29/10	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-106	Rev. 8	02/04/13	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-175	Rev. 3	09/02/11	CCP Analysis of Gas Samples for VOCs by GC/MS
CCP-TP-175	Rev. 2	12/29/10	CCP Analysis of Gas Samples for VOCs by GC/MS

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	04/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/25/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/06/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 17	06/22/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

EIS-002

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and Reporting Characterization Data

Waste Stream # SR-SWMF-HET-B Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR108180	SRLBC0706	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR607474	SRLBC0900	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1302	ECL13002M	N/A
SR607480	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607482	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607486	SRLBC0861	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR79150*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79177*	SRLBC0706	SR4RTR0257	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79178*	SRLBC0707	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79179*	SRLBC0763	SRSRTR0577	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79182*	SRLBC0689	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92624*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92625*	SRLBC0689	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A

*These containers were found to be low level waste when assayed and are no longer active in this waste stream. The HSG data is still valid for RCRA hazardous waste code determination and are included in the UCL90 calculations. They are kept on the Cross Correlation for completeness

CIS-003

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SWMF-HET-B **Waste Stream Headspace Gas Lot** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
Acetone	Log	12	12	4.79	1.64	2.02	2.43	100.00	4.61		
Benzene	Log	5	12	1.56	-1.10	1.45	-0.52	10.00	2.30		
Bromoform	Log	0	12	0.22	-3.17	1.58	-2.55	10.00	2.30		
Butanol	Log	6	12	2.12	-0.47	2.06	0.34	100.00	4.61		
Carbon Disulfide[e]	SQRT	1	11	0.95	0.46	0.27	0.57	10.00	3.16		
Carbon Tetrachloride	Log	0	12	0.85	-2.53	1.58	-1.91	10.00	2.30		
Chlorobenzene	Log	0	12	1.19	-2.23	1.61	-1.59	10.00	2.30		
Chloroform	Log	0	12	1.13	-2.23	1.56	-1.62	10.00	2.30		
Chloromethane[e]	SQRT	0	11	0.97	0.47	0.28	0.59	10.00	3.16		
Cyclohexane[a]	Log	3	12	1.49	-1.46	1.48	-0.88	10.00	2.30		
1,1-Dichloroethane	Log	0	12	1.41	-1.97	1.59	-1.35	10.00	2.30		
1,2-Dichloroethane	Log	0	12	1.42	-1.98	1.60	-1.35	10.00	2.30		
1,1-Dichloroethylene	Log	0	12	1.48	-1.94	1.62	-1.30	10.00	2.30		
cis-1,2-Dichloroethylene[a]	Log	0	12	1.56	-1.89	1.64	-1.24	10.00	2.30		
trans-1,2-Dichloroethylene	Log	0	12	1.49	-1.93	1.63	-1.29	10.00	2.30		
1,2-Dichloropropane[e]	Log	0	12	1.25	-2.16	1.61	-1.53	10.00	2.30		
Ethyl benzene	Log	6	12	5.01	-0.31	3.53	1.08	10.00	2.30		
Ethyl Ether	SQRT	0	11	0.92	0.43	0.27	0.54	10.00	3.16		
Methanol	Log	6	12	5.48	0.68	1.91	1.43	100.00	4.61		
Methyl Ethyl Ketone	Log	1	12	1.70	-1.64	1.56	-1.03	100.00	4.61		
Methyl Isobutyl Ketone	Log	1	12	1.35	-1.98	1.56	-1.36	100.00	4.61		
Methylene Chloride	Log	0	12	1.61	-1.80	1.62	-1.16	10.00	2.30		
1,1,2,2-Tetrachloroethane	Log	0	12	0.83	-2.60	1.62	-1.96	10.00	2.30		
Tetrachloroethylene	Log	1	12	1.05	-2.35	1.62	-1.71	10.00	2.30		
Toluene	Log	8	12	3.04	-0.04	2.00	0.74	10.00	2.30		
1,1,1-Trichloroethane	Log	1	12	0.94	-2.04	1.74	-1.35	10.00	2.30		
Trichloroethylene	Log	4	12	1.10	-1.94	1.68	-1.28	10.00	2.30		
Trichlorofluoromethane[e]	Log	0	12	1.06	-2.33	1.59	-1.70	10.00	2.30		

CES-004

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SWMF-HET-B

Waste Stream Headspace Gas Lot 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	12	0.77	-2.62	1.58	-2.00	10.00	2.30		
1,3,5-Trimethylbenzene[a]	Log	0	12	1.03	-2.36	1.59	-1.73	10.00	2.30		
1,2,4-Trimethylbenzene[a]	Log	0	12	1.10	-2.33	1.62	-1.69	10.00	2.30		
m/p-Xylene[b]	Log	8	12	6.38	0.70	4.18	2.34	10.00	2.30	Yes	(2)
o-Xylene	SQRT	8	12	13.42	3.54	4.20	5.19	10.00	3.16	Yes	(2)
Formaldehyde[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hydrazine[d]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

[a] These compounds are from CCP-PO-003, CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC) and are flammable VOCs that do not appear in CCP-PO-001. These are not part of the target analyte list, but samples may be analyzed for these compounds.

[b] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

[c] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[d] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[e] The noted analytes are not included in the target analyte list Table C3-2 of HWFP Attachment C3. The analytes are reported in the analysis Batch Data Report provided by the Idaho lab and included on the UCL90 for completeness.

C15-005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Per AK - Several F003-listed solvents were identified in the facilities where the spills originated. However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

(3) Due to dilution requirements, 1 of the 12 samples for Carbon Disulfide, Chloromethane, and Ethyl Ether were reported as non detected with an MDL value in excess of the PRQL. In accordance with the Waste Analysis Plan, Section C4-3e such observations with elevated MDL values due to dilution were not used in calculating the mean concentration. Consequently, the subject analytes were evaluated with 11, rather than 12, usable observations.

Note:

This UCL_{90} page was generated in compliance with CCP-TP-003. Although the the Facility Permit no longer requires Headspace Gas sampling and analysis, the reporting of the results is required by our procedures.

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CCP Headspace Gas Summary Data

Waste Stream # SR-SWMF-HET-B Lot Number (s) 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
2-Ethoxyethanol	510.00	6.00	50.00%
2-Nitropropane	14.00	1.00	8.33%
1,4-Dioxane	0.50	1.00	8.33%

Note - 2-Ethoxyethanol was present in over 25% of the samples. 2-Ethoxyethanol will be added to the target analyte list for any additional containers that require sampling from this waste stream. 2-Ethoxyethanol carries a Hazardous Waste Number (HWN) of F005. Per SRS-12-DR006, HWN F005 was not added to this constituent due to all containers with detectable concentrations of 2-Ethoxyethanol have been removed from the waste stream.

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes [✓] No [ ]

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 6/27/2013

CIS-006

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Sampling Completeness:

NDE

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

HSG (Random Sampling Lot 1)

Number of Valid Samples: 12 Number of Total Samples Collected: 12
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is ≥90%)

Total VOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total SVOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total Metals

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

CFS-008

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003 Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 5, and additional EPA HW Numbers were assigned as required. Samples were randomly collected.
7c	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	Y	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	Y	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	Y	Y	Y
Solids Sampling	NA	NA	NA
Solids VOCs	NA	NA	NA
Solids SVOCs	NA	NA	NA
Solids Metals	NA	NA	NA

Signature of Site Project Manager | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CIS-010

Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B

Overview

Waste stream SR-SWMF-HET-B is comprised of job control waste including bag filters from solvent tank closure and concrete from cleanup and remediation of spills in and around the burial grounds associated with Pad 2 at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads. Specific items in this waste stream may include job control waste (e.g., rags, plastic and wood from a containment hut), concrete, bag filters, and waste from a 100 ton low-boy trailer. Source documents state that about 10 square feet of the metal side and support beams and six wooden boards of the low-boy trailer being used to transport a box were contaminated. It is assumed the debris containers in waste stream SR-SWMF-HET-B also contain this contaminated waste. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).The mission of the Solid Waste Management Facility (SWMF) is to provide treatment, storage, and disposal of radioactive wastes generated as a result of the production of nuclear materials for United States Defense Programs and as a result of environmental remediation and regulatory compliance operations conducted at the Savannah River Site (SRS), Mound in Miamisburg, Ohio, and Allied-General Nuclear Services in Barnwell, South Carolina. The specific mission of the Transuranic (TRU) Waste Visual Examination Facility/Mixed Waste Processing Facility (TVEF/MWPF), the Modular Repackaging System (MRS)/Modular Repackaging Unit (MORK), and the F-Area Repackaging Enclosures is to visually examine the contents of selected TRU waste drums and the removal of prohibited items for the purpose of supporting the shipment of TRU waste to the Waste Isolation Pilot Plant (WIPP).

The WIPP-WAC requires generator sites to use AK to determine if the TRU waste streams to be disposed at WIPP meet the definition of TRU "defense" waste. Based on guidance from the U.S. Department of Energy (DOE), a TRU waste is eligible for disposal at WIPP if it has been generated in whole or part by one of the atomic energy defense activities listed in Section 10101(3) of the Nuclear Waste Policy Act of 1982 (NWPA). The TVEF/MWPF, MORK, and F-Area Repackaging Enclosures visually examine and remove prohibited items from TRU waste that originated in other SRS facilities, as well as off-site facilities that produced defense TRU waste. Similar to waste stream SR-SWMF-HET-A, the waste in wastes stream SR-SWMF-HET-B resulted from the spill cleanup and remediation of leaking containers of defense-related TRU waste that originated in other SRS facilities and closure of the solvent storage tanks. Therefore, the atomic energy defense activity that applies to waste stream SR-SWMF-HET-B is "defense nuclear waste and materials by-products management" This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-SWMF-HET-B for contaminated debris from the SWMF. The primary source of information for this Summation is CCP-AK-SRS-12, *Central Characterization Program Acceptable Knowledge Summary Report for Savannah River Site Solid Waste Management Facility, Waste Streams: SR-SWMF-HET-A, SR-SWMF-HET-B,* Revision 7, April 16, 2013.

Waste Stream Identification Summary

Waste Stream Name:	Contaminated Clean-Up Debris from the Solid Waste Management Facility
Waste Stream Number:	SR-SWMF-HET-B

Dates of Waste Generation:	August 1976 to December 1995
Waste Stream Volume – Current:	6 55-gallon drums
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S5000
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400, Heterogeneous Debris
TRUPACT-II Content Code:	SR 125 / 225, SQ 154
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number:	SR-SWMF-HET-B

Waste Stream Description and Physical Form:

The waste in waste stream SR-SWMF-HET-B resulted from activities conducted at the SWMF (such as solvent tank closure), and the cleanup and remediation of leaking containers at the SWMF TRU Pad 2 in the Old Burial Ground (Building 643G) which is now known as the E-Area of the SRS SWMF. Debris waste items in this waste stream may include filters, concrete, metal siding and support beams, plastic and wood from a containment hut, rags, and wood boards. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. One waste stream (SR-SWMF-HET-B) has been delineated for TRU debris waste generated at the SWMF during spill cleanup and remediation.

Point of Generation

Location

Waste stream SR-SWMF-HET-B was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads.

Area and/or Buildings of Generation

Waste stream SR-SWMF-HET-B is comprised of job control waste including bag filters from solvent tank closure and concrete from cleanup and remediation of spills in and around the burial grounds associated with Pad 2. Specific items in this waste stream may include job control waste (e.g., rags, plastic and wood from a containment hut), concrete, and waste from a 100 ton low-boy trailer. Source documents state that about 10 square feet of the metal side and support beams and six wooden boards of the low-boy trailer being used to transport a box were contaminated. It is assumed the debris containers in waste stream SR-SWMF-HET-B also

contain this contaminated waste. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).

Generating Processes

Description of Waste Generation Processes

The waste in waste stream SR-SWMF-HET-B resulted from activities conducted at the SWMF (such as solvent tank closure), and the cleanup and remediation of leaking containers at the SWMF TRU Pad 2 in the Old Burial Ground (Building 643G) which is now known as the E-Area of the SRS SWMF. Descriptions of these operations are provided below. (References C056, C057, C058, C059, C064, C065, C066, D001, D002, D003, D004, and D005).

This waste stream includes TRU waste that was generated at the SWMF. The SWMF includes solvent storage tanks that have been closed and filled with grout. The solvent storage tanks contained waste from the Separations PUREX process and may have contained liquids originating from the Savannah River National Laboratory (SRNL) and Building 772-F. In the radiochemical separations process, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically tributyl phosphate in n-paraffin with residuals of uranium, plutonium, and fission products), is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible and then sent to the tanks for disposal. When the tanks were closed the materials in the tanks were transferred out of the tank, and the tanks were triple rinsed for RCRA closure. The waste stream includes the bag filters that were used during RCRA closure of the tanks. Rinse water and a nonhazardous cleaner were recycled through a trailer-mounted filter unit. The filter bags were placed into lead-lined drums for disposal (References C078, D020, M029, P048, P049, and P050).

A leaking TRU waste container generated at SRNL and stored on TRU Pad 2 as described in DPSP 79-1-8 (Reference C064) was retrieved. The leaking container had been suspected (as evidenced by "low level alpha contamination detected in the pad drainage collection sump shortly after it was stored") since September 1976. It was not found and retrieved until August 1979 (References C056, C063, and C064).

Based on the close proximity of the Incident Date (as described in DPSPU 76-272-367, Separations Incident, SI-76-108 [Reference C058]) to the date on the burial ground record it is believed this waste resulted from clean-up and remediation of the spill. The debris waste in this stream described as "Waste from 100T Low Boy" is consistent with the mention of a low-boy trailer that was contaminated. The spilled liquid originated from an H-Canyon collection tank fed by nitric acid raffinate and decon solutions (Reference C058, C063, and C072).

Waste Stream Material and Chemical Inputs

EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where liquids contained in the spills may have originated, namely H-Canyon, HB-Line, and SRNL.

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
Arsenic	D004	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Barium	D005	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Cadmium	D006	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Chromium	D007	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Lead	D008	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Mercury	D009	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Selenium	D010	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Silver	D011	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Carbon Tetrachloride	D019	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
			M025
Chloroform	D022	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,4-Dichlorobenzene	D027	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,2-Dichloroethane	D028	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,1-Dichloroethylene	D029	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
Vinyl Chloride	D043	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
Chlorobenzene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
ortho-Dichlorobenzene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Methylene chloride	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Tetrachloroethylene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
1,1,1-Trichloroethane	F002	Constituents in the solvent tank samples and the cleanup and remediation	C001, C002, C008, C009, C069, C070, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
		waste resulting from spills	M025
1,1,2-Trichloroethane	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Trichloroethylene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
1,1,2-Trichloro-1,2,2-trifluorethane	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Nitrobenzene	F004	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Benzene	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Carbon disulfide	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Methyl ethyl ketone	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
2-Nitropropane	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Pyridine	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Toluene	F005	Constituents in the solvent tank samples and the cleanup and remediation	C001, C002, C008, C009, C069, C070, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
		waste resulting from spills	M025
Hydrazine	U133	Used during anion exchange in Scrap Recovery and during Np oxalate precipitation at the HB-Line located at the H-Canyon facility in the 200-H Separations Area.	C056, C057, C058, C059, C064, C065, C066, DR004, M022, and M025

RCRA Determinations

Historical Waste Management

Waste from the SWMF has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for spill cleanup and remediation debris waste. Instead the containers were managed individually as hazardous waste with toxicity characteristic and listed HWNs. A review of available AK documentation and container paperwork was performed and it was determined that this waste is hazardous. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005. HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where the liquids involved in the spills may have originated, namely H-Canyon, HB-Line, and SRNL. Therefore, based upon acceptable knowledge, HWNs D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005, and U133 are assigned to waste stream SR-SWMF-HET-B. The above table, Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B, lists the EPA HWNs assigned to waste stream SR- SWMF-HET-B (References C008, C009, C069, C070, C077, DR004, M022, M025, P005, and P008).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

The waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261).

Ignitability

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of ignitability as defined in 40 CFR 261.21. the waste is not liquid, the waste does not spontaneously ignite at standard pressure and temperature through friction, absorption of moisture, or spontaneous

chemical changes; the waste is not an ignitable compressed gas; and there are no oxidizers present that can stimulate combustion. Ignitable liquids were not used in cleanup or remediation (References M022 and M025). The waste is not an oxidizer, and it is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P037, P038, and P039). Prohibited items listed in the SRS Waste Acceptance Criteria (WAC) include ignitable wastes and compressed gases.

Certified Real Time Radiography (RTR) was performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-Waste Analysis Plan (WAP) will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not ignitable and is not assigned EPA HWN D001 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Corrosivity

The debris waste in waste stream SR-SWMF-HET-B is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) as defined in 40 CFR 261.22. Corrosive liquids were not used during spill cleanup and remediation (References M022 and M025). TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, and P037, P038, and P039).

Certified RTR was performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not corrosive and is not assigned EPA HWN D002 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Reactivity

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of reactivity as defined in 40 CFR 261.23. The waste is stable and will not undergo violent chemical change without detonating. The waste will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain reactive cyanide or sulfide compounds. There is no indication that the waste contains explosive materials, and it is not capable of detonation or explosive reaction. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, and P037, P038, and P039).

Certified RTR was performed by CCP to ensure the absence of prohibited items. Waste stream SR-SWMF-HET-B is therefore not reactive and is not assigned EPA HWN D003 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Toxicity Characteristic

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic metal compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver due to the potential presence of these constituents in the solvent tank samples and in cleanup and remediation waste resulting from spills. EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where liquids contained in the spills may have originated, namely H-Canyon, HB-Line, and SRNL. Although D011 was not historically assigned to this waste by SRS, it was historically assigned to the TRU waste generated in the facilities where liquids contained in the spills may have originated. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were originally assigned to this waste stream by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, and D011 (References C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009).

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for carbon tetrachloride, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, and vinyl chloride due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Since data are not available that demonstrate the concentration of these organic constituents is less than the toxicity characteristic regulatory level, waste stream SR-SWMF-HET-B is assigned EPA HWNs D019, D022, D027, D028, D029, and D043. (References C008, C009, C069, C070, D001, D002, DR004, M022, and M025).

This waste stream is also contaminated with the toxicity characteristic organic compounds benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene due to the potential presence of these constituents in the solvent tank samples and cleanup and remediation waste resulting from spills. However, since the more specific F-listed EPA HWNs have been assigned for these constituents, EPA HWNs D018, D021, D035, D036, D038, D039, and D040 are not assigned to waste stream SR-SWMF-HET-B. Since the more specific F-listed EPA HWN has been assigned for benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene, assignment of the corresponding toxicity characteristic HWN is not necessary.

Listed Waste

F-Listed Waste

Waste stream SR-SWMF-HET-B contains or is mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.3. The debris waste is expected to be contaminated with F-listed constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills. The specific hazardous constituents identified in the source documents as associated with the F-listed HWNs are listed in the table entitled Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B. Small amounts of contaminated soil

and absorbed liquid from these spills may also be present. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs F002, F004, and F005 (References C001, C002, C008, C009, C069, C070, DR004, M022, and M025).

The EPA has provided a regulatory clarification that the F001-listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 9). Large-scale degreasing operations were not historically conducted in the facilities where liquids contained in the spills may have originated (References 14, 17). Therefore, waste stream SR-SWMF-HET-B is not an F001-listed hazardous waste.

Several F003-listed solvents were identified in the facilities where liquids contained in the spills may have originated. However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

K-Listed Waste

This waste is not a hazardous waste originating from any of the specific sources listed in 40 CFR 261.32. Therefore, waste stream SR-SWMF-HET-B is not a K-listed hazardous waste.

P- and U-Listed Waste

Based on review of AK relative to chemicals and materials used or present in the waste, Waste stream SR-SWMF-HET-B may contain or is mixed with a discarded unused commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33.

Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during Neptunium oxalate precipitation at the HB-Line (the source of origin of some of the waste which generated this waste stream). It is possible that pure liquid hydrazine may have contaminated these wastes and, consequently, the spill cleanup residues following significant spill and contamination events in Scrap Recovery. Therefore, U133 for hydrazine is applied to this waste stream. Although hydrazine itself is a reactive chemical, because it was a liquid, it would not have been placed in TRU waste containers without being absorbed, so would not be considered to be explosive or reactive. (Reference CCP-AK-SRS-4, Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM), C056, C057, C058, C059, C064, C065, C066, DR004, M022, and M025).

HB-Line managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HB-Line as pure chemical or used as a pure chemical in any process, consistent with scrap dissolution procedures; therefore, U134 for hydrofluoric acid will not be applied to this waste stream (Reference M016).

Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site; however, the source documents make no mention of powdered beryllium ever being used (Reference D003). Any beryllium present in this waste stream does not meet the definition of a P015-listed waste. Waste stream SR-SWMF-HET-B is therefore not assigned a P-listed HWN. Debris wastes contaminated during the spill cleanup and remediation would also only

contain trace amounts of beryllium, if present. Therefore, any beryllium present in waste stream SR-SWMF-HET-B will be less than one percent by weight of the waste in any payload container, including ten-drum overpacks (References DR004, M022, and M025).

Polychlorinated Biphenyls

Polychlorinated biphenyls (PCB)s have not been identified in waste stream SR-SWMF-HET-B. Repackaging operations have identified the presence of PCBs in debris waste in two of the containers in waste stream SR-SWMF-HET-A (e.g., PCB light ballasts); however, PCBs are not expected in debris generated during cleanup and remediation. Therefore, this waste stream is not regulated as a Toxic Substances Control Act (TSCA) waste under 40 CFR 761 (References M022 and M025).

Prohibited Items

Certified RTR was performed by CCP to ensure the absence of sealed containers greater than four liters and prohibited quantities of liquid. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP, or having containers greater than four liters, unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Method for Determining Waste Material Parameter Weights per Unit of Waste

Waste Material Parameter (WMP) data was not available for waste stream SR-SWMF-HET-B. However, a brief description of the contents of each container was available in the source documents (References C063 and C072), and a description of observed waste types was recorded in RTR Quick Screen data sheets provided by SRS.

An evaluation of the data compiled from the source document and RTR Quick Screen data sheets indicates that the waste is predominantly inorganic at about 70 wt%. An evaluation was performed on each container in the current SR-SWMF-HET-B waste stream. The results from this evaluation are presented in the table below, Waste Stream SR-SWMF-HET-B Waste Material Parameters.

Waste Stream SR-SWMF-HET-B Waste Material Parameters

Waste Material Parameter	Avg. Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	27.53%	0 – 84.20%+
Aluminum-Based Metals/Alloys	0.00%	0 – 0.00%
Other Metals	0.00%	0 – 0.00%
Other Inorganic Materials	42.96%	0 – 69.04%
Cellulosics	24.52%	0 – 32.63%
Rubber	0.00%	0 – 0.00%
Plastic (waste materials)	4.99%	0 – 31.00%
Organic Matrix	0.00%	0 – 0.00%
Inorganic Matrix	0.00%	0 – 0.00%
Soils/Gravel	0.00%	0 – 0.00%
Total Organic Waste Avg.	29.51%	
Total Inorganic Waste Avg.	70.49%	

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUPACT-II Content (TRUCON) codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

Radiological data was available for all but one of the containers in waste stream SR-SWMF-HET-B; however, the burial ground record for the one omitted container listed variety of contamination code 83. The ratios of radionuclides found in variety of contamination code (SRS equivalent to a Material Type Code) 83 were used for this container in order to perform the calculations in the table below, Waste Stream SR-SWMF-HET-B Radiological Characterization. To determine isotopic ratios for waste stream SR-SWMF-HET-B as a whole, the total isotopic weight percentage for each individual radionuclide reported on the container paperwork for each container in the waste stream was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." As shown in the table below, Waste Stream SR-SWMF-

HET-B Radiological Characterization, Pu-239 and Np-237 are expected to be the two most predominant radionuclides by mass (References C068 and P045).

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.16%	0.00% - 0.27%	0.44%	0.00% - 0.52%	Yes
Pu-238	0.30%	0.21% - 0.47%	4.05%	2.41% - 18.58%	Yes
Pu-239	**67.88%**	47.36% - 79.61%	3.28%	0.00% - 6.86%	Yes
Pu-240	**5.43%**	3.04% - 6.54%	0.96%	0.83% - 1.61%	Yes
Pu-242	**0.10%**	0.03% - 0.14%	Trace	0.00% - Trace	Yes[6]
U-233	Not Reported				Yes
U-234	Not Reported				Yes
U-238	Not Reported				Yes
Cs-137	Trace	0.00% - Trace	0.16%	0.00% - 0.27%	Yes
Sr-90	Trace	0.00% - Trace	0.19%	0.00% - 0.12%	Yes
Additional Radionuclides					
Am-242m	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Am-243	3.51%	0.00% - 5.71%	0.54%	0.00% - 0.64%	Yes
Ba-137m	Trace	0.00% - Trace	0.15%	0.00% - 0.26%	Yes
Ce-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-244	0.86%	0.00% - 1.41%	54.33%	0.00% - 63.75%	Yes
Cm-245	0.04%	0.00% - 0.07%	Trace	0.00% - Trace	Yes
Cm-246	0.03%	0.00% - 0.06%	Trace	0.00% - Trace	Yes
Cm-247	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-248	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cs-134	Trace	0.00% - Trace	0.02%	0.00% - 0.03%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Eu-155	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
H-3	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Kr-85	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Np-237	**21.22%**	10.28% - 48.80%	0.01%	0.00% - 0.08%	Yes
Pm-147	Trace	0.00% - Trace	0.02%	0.00% - 0.02%	Yes
Pr-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
Pu-241	0.45%	0.30% - 0.52%	35.75%	28.60% - 72.86%	Yes
Rh-106	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ru-106	Trace	0.005 - Trace	Trace	0.00% - Trace	Yes
Sm-151	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Tc-99	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Te-125	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
U-235	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Y-90	Trace	0.00% - Trace	0.12%	0.00% - 0.19%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy. Its value is calculated based on other measured plutonium isotopes

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Document Title
C001	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During FB-Line Drum Remediation
C002	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During HB-Line Drum Remediation
C003	Memo to K. A. Stone SW's TRU Waste Shipments
C005	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: SWD031533
C006	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: Radiacwash
C007	Memo to D. M. Cole re: Assay Results for JCW Drums 10/07/04
C008	Memo to M. A. Kokovich re: Applicability of Two RCRA Waste Codes to TRU Waste Generated in FB-Line
C009	Memo to M. A. Kokovich re: Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line
C052	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A
C054	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: re: Future Generation of SRS-12 Waste
C055	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A
C056	Savannah River Plant (SRP) Burial Ground Building 643-G Appraisal Audit
C057	Leaking Fiberglass Burial Cask (DPSPU 76-272-448) – Separations Incident, SI-76-10-150
C058	Contaminated Liquid Spill (DPSPU 76-272-367) – Separations Incident, SI-76-108
C059	Contamination of TRU Pad No. 3 –Cracked Lid on Fiberglass Burial Box (DPSPU 76-272-454) – Separations Incident, SI-76-153
C061	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B
C063	Email from Jeff Lunsford to Jim Schoen, Subject: Fw More Info Regarding Use of 643-G TRU Waste
C064	Works Technical Report for August 1979, DPSP-79-1-8
C065	Works Technical Report for October 1976, DPSP-76-1-10
C066	Works Technical Report for November 1976, DPSP-76-1-11
C068	Email From Jeff Harrison to Jim Schoen and Mike Papp, Subject: RE: EA Reviews completed on SRS High Pu-240 AK-12 Soils Drums
C069	Email from Joseph Price to Jim Schoen re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization
C070	Interoffice Memorandum from J. K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste
C072	Email from Jeff Lunsford to Lisa Watson and Jeff Harrison, Ref: AK Investigation for 643-G Cntr ID's SR89796 & SR89797
C077	Evaluation of Additional Containers for SR-SWMF-HET-B
C078	Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution
D001	Savannah River Site Solid Waste Management Facility Documented Safety Analysis
D002	Solid Waste Management Facility. The Modular Repackaging System on TRU Pad

Tracking Number	Document Title
	19 Justification for Continued Operation
D003	Consolidated Hazards Analysis For The TRU Visual Examination Facility
D004	Consolidated Hazards Analysis For The Modular Repackaging System On TRU Storage Pad 19
D005	Consolidated Hazards Analysis For Removal Of Prohibited Items From TRU Drums In The Mixed Waste Processing Facility (U)
D018	Safety Analysis Report FB-Line, F-Canyon, FA-Line and Outside Facilities
D019	Burial Ground Facility Building 643-G Operations
D020	Solvent Tanks (S23-S30) Interim Closure Plan (U)
DR001	Discrepancy Resolution for EPA Hazardous Waste Numbers
DR004	Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF-HET-B and SR-SWMF-SOIL
DR005	Discrepancy Resolution to assign a container designated by SRS as Waste Stream SR-SWMF-HET-B to SR-SWMF-SOIL and a container designated as Waste Stream SR-SWMF-SOIL to SR-SWMF-HET-B
M001	OSR 29-90 Transuranic Waste Container Characterization Forms for Drums in Waste Stream SR-SWMF-HET-A
M002	Collection of MSDSs for SR-SWMF-HET-A
M003	Calculation Cover Sheet. Calculation of Curie Fractions Used in Entering Waste Stream in WITS
M004	Calculation Cover Sheet, Plutonium Equivalent Curie Levels for Aerosol Cans and Job Control Waste Drums from TRU Remediation of HB-Line and 235-F Waste
M005	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 773-A
M006	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 772-F
M007	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from FB-Line
M008	Calculation Cover Sheet, Development of Composite Distributions for Repackaging TRU Waste
M009	Request for Deviation to SRS Waste Acceptance Criteria Manual. E-Area TRU Remediation Processes
M013	Evaluation of Additional Containers for SRS-12 Waste Stream SR-SWMF-HET-A
M014	29-90s for Drums Added on 2/11/2008
M015	Evaluation of Additional Drums for Waste Stream SR-SWMF-HET-A
M016	Additional Transuranic Waste Container Characterization Form (29-90)
M018	Waste Package Data Report for SWD081406
M019	Addition of 61 Containers to Waste Stream SR-SWMF-HET-A
M020	Waste Stream SR-SWMF-HET-A Radiological Evaluation
M021	SR-SWMF-HET-B Container Cross Reference Documents
M022	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B
M024	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-A
M025	Go West Data for CCP-AK-SRS-12
M027	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-HET-B
M029	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-B
P001	SRS Waste Acceptance Criteria Manual

Tracking Number	Document Title
P002	E-Area TRU Pads Transuranic Waste Acceptance Criteria
P003	Waste Characterization and Quantification
P004	Pad 6 and Pad 19 Generated SWMF TRU/MTRU Waste
P005	TVEF Operations (U)
P006	MRS Operations (U)
P007	Removal of Prohibited Items (U)
P008	TVEF Removal of Prohibited Items (U)
P009	Introduction and Removal of TRU Waste for Characterization in TVEF (U)
P010	TVEF Operations (U)
P018	Transferring TRU Drums to SWMF
P019	TRU Drum Inventory Control
P020	Inventory Control of TRU Repackaging Enclosures
P021	GCO TRU Drum Remediation
P022	TRU Drum Repackaging
P025	Absorbing Containerized Liquids
P026	Replacing TRU Repackaging Enclosure Gloves
P030	Absorbing Containerized Liquids
P031	Shipment Preparation for TRU Containers to SWMF
P032	Transuranic (TRU) Waste Repackaging in H-Canyon
P033	F-Canyon Container Transfer
P034	Standard Waste Box Operations (U)
P037	DPSOP40 Savannah River Plant Radiation and Contamination Control/Management of Solid Radioactive Waste
P038	Decontamination of TRU Pad #3
P039	Decontamination of TRU Pad #3 Procedure 2
P040	Solid Waste Operating Procedures Manual Cell 11 TRU Repackaging Operation
P041	Transuranic (TRU) Waste Repackaging of Large Steel Boxes, Standard Large Boxes, and other Miscellaneous Containers in H-Canyon (Phase 11a.1)
P045	Radioactive Solid Waste Burial Record, Enclosure 1
P046	Packaging Sealed Containers With Liquid Waste (U)
P048	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P049	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P050	Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28

AK8

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01154
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 16, 2013

FROM: M. F. Ramirez — LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 — LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-W027-321M-HOM

Please accept the attached Savannah River site Waste Stream Profile Form SR-W027-321M-HOM to be placed in records for Waste Stream # SR-W027-321M-HOM.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

CCP RECORDS ORIGINAL
DATE REC'D 5/14/13

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-W027-321M-HOM						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock					(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-W027-321M-HOM					(11) Summary Category Group: S3000	
(12) Waste Matrix Code Group: Solidified Organics					(13) Waste Stream Name: Absorbed Billet Lubricating Oil	
(14) Description from the ATWIR: Waste stream SR-W027-321M-HOM is comprised primarily of a mixture of A-408 lubricating oil (International Organization for Standardization [ISO] 680 hydrocarbon oil) and powered lead absorbed with Oil-Dri (granular clay absorbent) as well as minor amounts of organic and inorganic debris waste items.						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: NA (17a) Number of SLB2: NA		(18) Number of Drums: 1 55-gallon drum			(19) Number of Canisters NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: D008 and F002						
(22) Applicable TRUCON Content Numbers: SR 127 / 227						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-14, Revision 2, August 9, 2012, Figures 1, 2 and 3.						
(23B) Facility mission description: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.6.						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.2.						
(23E) Types and quantities of waste generated: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.1.						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.3.						
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012						
(25)Required Waste Stream Information						

(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.1.			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.2.			
(25C) Waste generating process description for each building: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.3.			
(25D) Waste Process flow diagrams: CCP-AK-SRS-14, Revision 2, August 9, 2012, Figure 4.			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.4.			
(25F) Waste Material Parameter Weight Estimates Per Unit of Waste: See Table entitled "Waste Stream SR-W027-321M-HOM Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM.			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27)Supplemental Documentation:			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P111, P157, P158, P159, P160, P162 and P163 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27C) Safety Analysis Reports: See C016 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27D) Waste packaging logs: NA			
(27E) Test plans/research project reports: NA			
(27F) Site databases: NA			
(27G) Information from site personnel: NA			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C104 and M053 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27J) Material safety data sheets: See C104 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

Attachment 2 – CCP Waste Stream Profile Form

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 2/6/2013

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 1/24/2013

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Beverly Schrock Printed Name	4/2/2013 Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-W027-321M-HOM
Lot #: 1

TABLE OF CONTENTS

Characterization Information Summary Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

Solids Analysis VOC UCL_{90} Evaluation Form..... 004

Solids Analysis SVOC UCL_{90} Evaluation Form..... 005

Solids Analysis Metals UCL_{90} Evaluation Form..... 006

Solid VOCs Summary Data..... 007

Solid SVOCs Summary Data..... 008

RTR/VE Summary of Prohibited Items and AK Confirmation..... 009

Reconciliation with Data Quality Objectives..... 010

CCP Characterization Information Summary Cover Page

Waste Stream #	SR-W027-321M-HOM	Lot #:	1
AK Expert Review:	N/A	Date:	N/A
SPM Review:	Richard Kantrowitz	Date:	2/15/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Non Destructive Assay (NDA):

CCP-TP-189	Rev. 2	05/04/11	CCP Box Segmented Gamma System (BSGS) Operating Procedure
CCP-TP-193	Rev. 3	08/08/11	CCP Data Reviewing, Validating, and Reporting Procedure for the Nondestructive Assay Box Counters

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-180	Rev. 3	01/17/13	CCP Analytical Sample Management
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-W027-321M-HOM

Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR500174	SRLBC0587	SR4RTR0230	N/A	SSG12-00007	ALD12030F, ALD12030H, ALD12030M, ALD12030N, ALD12030S, ALD12030V		N/A	N/A	N/A

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CTS003

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	5	5	4.4000	3.4600	1.1929	4.2779	10.0	N/A		
Bromoform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Disulfide	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Tetrachloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Chlorobenzene	No	0	5	0.0900	0.0880	0.0027	0.0899	10.0	N/A		
Chloroform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,2-Dichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Ethyl Benzene	No	5	5	4.2000	3.4600	0.8792	4.0628	10.0	N/A		
Methylene Chloride	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
m,p-Xylene*	No	5	5	2.6000	2.1600	0.5128	2.5116	10.0	N/A		
o-Xylene	No	5	5	4.6000	3.8000	0.9670	4.4630	10.0	N/A		
1,1,2,2-Tetrachloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Tetrachloroethylene	No	4	5	0.8400	0.6570	0.3240	0.8792	10.0	N/A		
Toluene	No	5	5	10.0000	8.3800	2.2521	9.9242	10.0	N/A		
Trans-1,2-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,1-Trichloroethane	No	3	5	0.5300	0.3630	0.1724	0.4812	10.0	N/A		
Trichloroethylene	No	5	5	20.0000	16.4400	4.8957	19.7968	10.0	N/A	Yes	F002
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,2-Trichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Trichlorofluoromethane	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
Vinyl Chloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	4.0	1.3863		
Acetone	Log	4	5 (3)	3.7136	2.9692	0.5138	3.3900	100	4.6052		
Butanol	Log	4	5 (3)	3.4340	2.9825	0.3048	3.2321	100	4.6052		
Methanol	Log	0	5	3.8918	1.1154	1.5525	2.1799	100	4.6052		
Methyl ethyl ketone	Log	4	5 (3)	3.0445	2.7749	0.1827	2.9245	100	4.6052		
Ethyl ether	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Isobutanol	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Pyridine	Log	1	5 (3)	2.8904	1.2604	1.0874	2.1508	100	4.6052		
Formaldehyde	No	0	5	1.0000	1.0000	0.0000	1.0000	100	N/A		
Hydrazine	No	0	5	1.5000	1.4700	0.0274	1.4888	100	N/A		

* *These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."*

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

C1500Y

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
1,2-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
1,4-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2,4-Dinitrophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
2,4-Dinitrotoluene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachlorobenzene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachloroethane	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2-Methylphenol (o-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
3&4-Methylphenol (m&p-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
Nitrobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
Pentachlorophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		

C1S005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) Due to dilution requirements, four samples had non-detected results that exceeded the PRQL. Consequently, the UCL_{90} was set to the maximum result and the non-transformed data set was automatically chosen.

(4) Due to dilution requirements, one sample had a non-detected result that exceeded the PRQL. Consequently, four data points were used in the calculations.

(5) All sample results were non-detects that exceeded the PRQL. With no usable data, no UCL_{90} could be calculated. No EPA HWN is assigned as 2,4-Dinitrotoluene and Hexachlorobenzene are not listed in the AK.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSI SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg) (2)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
Antimony	Log	2	5	-0.03	-0.97	0.61	-0.55	100	5		
Arsenic	Log	0	5	-0.80	-0.80	0.00	-0.80	100	5		
Barium	Log	5	5	5.08	4.71	0.24	4.88	2000	8		
Beryllium	No	5	5	3.60	3.34	0.24	3.51	100	N/A		
Cadmium	Log	5	5	0.18	-0.62	0.63	-0.19	20	3		
Chromium	SQRT	5	5	8.83	7.22	1.12	7.99	100	10		
Lead	No	5	5	380.00	138.24	182.41	263.32	100	N/A	Yes	D008
Mercury	SQRT	4	5	0.18	0.13	0.04	0.15	4	2		
Nickel	Log	5	5	3.47	2.96	0.30	3.16	100	4.61		
Selenium	Log	1	5	0.34	-0.49	0.46	-0.17	20	3		
Silver	Log	1	5	-1.17	-2.63	0.82	-2.07	100	5		
Thallium	No	0	5	0.30	0.30	0.00	0.30	100	N/A		
Vanadium	No	5	5	56.00	48.00	7.65	53.24	100	N/A		
Zinc	Log	5	5	4.70	4.29	0.27	4.48	100	4.61		

eTSOO6

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) No varience in data was found for Thallium, due to all non detect data points. The maximum value is used as the UCL_{90}.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CCP Solid VOCs Summary Data

Waste Stream Number: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number: 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature [signature] Date 2/15/2013

CIS007

CCP Solid SVOCs Summary Data

Waste Stream Number	SR-W027-321M-HOM	Solids Summary Waste Stream Lot Number	1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 2/15/2013

CIS008

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-W027-321M-HOM Lot #: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Richard Kantrowitz (Printed Name) | 2/15/2013 (Date)

CIS009

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

Sampling Completeness

RTR/VE

Number of Valid Samples: 1 Number of Total Samples Analyzed: 1
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 1 Number of Total Samples Analyzed: 1
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The transuranic (TRU) activity reported in the BDRs for each container demonstrates with a 95 percent probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each **VOC** in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional EPA HWNs were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids VOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids SVOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **total metals** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 *Code of Federal Regulations* (CFR), Part 261, *Identification and Listing of Hazardous Waste*, Subpart C, *Characteristics of Hazardous Waste*.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, *Lists of Hazardous Wastes?*
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness quality assurance objectives (QAOs) were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Sampling and Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments:

None

Signature of Site Project Manager | Richard Kantrowitz (Printed Name) | 2/15/2013 (Date)

CI5012

Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM

Overview

Waste stream SR-W027-321M-HOM consists of contact handled (CH) transuranic (TRU) mixed homogeneous solid waste generated at the Building 321-M Fuel Fabrication Facility in the 300-M Area of the Savannah River Site (SRS). The mission of Building 321-M, as it relates to the generation of TRU waste, was the fabrication and testing of plutonium-aluminum and neptunium-aluminum target tubes and associated maintenance operations. All radioactive solid waste produced at SRS is stored or disposed of at the E-Area Solid Waste Management Facility (SWMF).

The plutonium produced during the Mark 41 target tube program at SRS was sent to LANL for defense research and development applications. Therefore, the waste stream was generated by defense research and development.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-W027-321M-HOM for homogeneous solid waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-14, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Fuel Fabrication Facility Transuranic Waste, Waste Streams: SR-W027-321-322M-HET, SR-W027-321M-HOM,* Revision 2, August 9, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Absorbed Billet Lubricating Oil
Waste Stream Number:	SR-W027-321M-HOM
Dates of Waste Generation:	May 1975
Waste Stream Volume – Current:	1 55-gallon drum
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S3000
Waste Matrix Code Group:	Solidified Organics
Waste Matrix Code:	S3114, Absorbed Organic Liquids
TRUPACT-II Content Code:	SR 127/SR 227
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number:	SR-W027-321M-HOM

Waste Stream Description and Physical Form

Waste stream SR-W027-321M-HOM is comprised primarily of a mixture of A-408 lubricating oil (International Organization for Standardization [ISO] 680 hydrocarbon oil) and powdered lead absorbed with Oil-Dri (granular clay absorbent) as well as minor amounts of organic and inorganic debris waste items. Other waste items may include iron-based metals (e.g., cans, dustpan, funnel, scrap, shovel), asbestos (e.g., gloves), paper (e.g., wipes), rags, leather gloves, plastic (e.g., bags, sheeting, tape), rubber (e.g., hose), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., pumps).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream contains a single drum generated during maintenance operations.

Point of Generation

Location

Waste Stream SR-W027-321M-HOM was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area SWMF.

Area and/or Buildings of Generation

Waste stream SR-W027-321M-HOM was generated in the Building 321-M Fuel Fabrication Facility in the 300-M Area.

Generating Processes

Description of Waste Generation Processes

The primary TRU waste generating activity in Building 321-M was fabrication of plutonium target tubes and associated maintenance operations. The Mark 41 program plutonium extrusion billets were fabricated in Building 235-F and subsequently transferred to Building 321-M for evacuation, extrusion into target tubes, tube finishing, testing and evaluation, and final assembly (References C016, C036, C037, D013, D035, D043). Waste stream SR-W027-321M-HOM was generated from maintenance of the extrusion press pit (Reference P036).

After fabrication in Building 235-F, the plutonium billets were transferred to Building 321-M for evacuation (also called outgassing) where the billets were heated to a temperature greater than the extrusion temperature to check for weld leaks. Billets were then lubricated with Aquadag (a colloidal suspension of graphite in water). The graphite coating provided a uniform black body for accurate temperature control during pre-heating. The billets were pre-heated to the extrusion temperature and then sealed with a crimping tool. Pre-heated billets were further lubricated immediately before extrusion by coating them with a mixture of powdered lead in A-408 Oil (ISO 680 hydrocarbon oil) (References D013, D043, P020, P022, P024, P026, P031, P043).

Periodically the oil in the extrusion press pit needed to be cleaned out and disposed. The oil was pumped into a 55-gallon drum until the drum was half full. The oil was sampled and analyzed, and if the oil was found to be contaminated, Oil-Dri (granular clay absorbent) was added to form a solid cake. Once the oil was removed from the pit, residual oil was removed

from the pit floor with rags which were then placed into a plastic-lined container. Residual lead was removed from the pit and placed into a metal container with Oil-Dri. If necessary, the pit was also cleaned with Klear All 99 solvent (methylene chloride, tetrachloroethylene, and petroleum distillates) (References M023, P036, P043).

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-321M-HOM

Chemical/Compound	Use/Source	EPA Hazardous Waste Number	References
Lead (powdered)	Mixed with A-408 Oil and applied to billets prior to extrusion. Contaminant detected in certified solid sampling above the program required quantitation limit (PRQL).	D008	D013, DR011, P043, P155
Methylene chloride	Component of Klear All 99 solvent used during extrusion press pit cleaning.	F002	DR011, M023, P036
Tetrachloroethylene	Component of Klear All 99 solvent used during extrusion press pit cleaning.	F002	DR011, M023, P036
Trichloroethylene	Contaminant detected in certified solid sampling above the PRQL.	F002	DR011

RCRA Determinations

Historical Waste Management

Waste stream SR-W027-321M-HOM has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. This waste was generated approximately 35 years ago before RCRA was implemented at SRS. Based on historical waste management practices, the SRS managed the container in this waste stream as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream, including those identified in material safety data sheet (MSDS) information for commercial products and certified solid sampling, has determined that this waste stream is RCRA-hazardous (Reference DR011).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. A solid waste exhibits the characteristic of ignitability if it has any of the following properties: 1) It is a flammable liquid

(flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter).

Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). Oil-soaked rags are subject to spontaneous combustion. To prevent these rags from igniting, they were packaged in sealed metal cans with sufficient Oil-Dri to absorb all oily liquid (Reference P111). Based on a review of available AK documentation, ignitable liquids, pyrophoric material, ignitable compressed gases, and oxidizing compounds were not identified in the process that generated waste stream SR-W027-321M-HOM. The waste material in the waste stream is therefore not ignitable waste (D001).

Corrosivity

The waste material in waste stream SR-W027-321M-HOM is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity as defined in 40 CFR 261.22. A solid waste exhibits the characteristic of corrosivity if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year.

Based on a review of available AK documentation, corrosive liquids were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid. If the liquid was acidic, the acid was washed from the material, and the liquid was disposed down a waste drain. The wet materials were then neutralized before pressing to remove any additional liquid. Liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not corrosive waste (D002).

Reactivity

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of reactivity as defined in 40 CFR 261.23. A solid waste exhibits the characteristic of reactivity if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173.

Based on a review of available AK documentation, reactive materials were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not reactive waste (D003).

The container in the waste stream was evaluated in accordance with the WIPP-WAP using real-time radiography (RTR) prior to shipment to ensure the waste was not ignitable, reactive, or corrosive.

Toxicity Characteristic

Waste stream SR-W027-321M-HOM exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24. Absorbed lubricating oil mixed with powdered lead is present in this waste stream (References D013, P043, P155). In addition, lead was detected above the regulatory level in certified solid sampling. Other toxic metals were also detected in the solid sampling but they were present below regulatory levels. Therefore, Environmental Protection Agency (EPA) hazardous waste number D008 is assigned to this waste stream (Reference DR011).

Waste stream SR-W027-321M-HOM does include organic toxicity characteristic compounds as defined in 40 CFR 261.24. Tetrachloroethylene was used in the process that generated this waste stream (References M023, P036). In addition, the UCL_{90} for toxicity characteristic compound trichloroethylene (D040) exceeded the PRQL in certified solid sampling. However, the more specific EPA hazardous waste number F002 has been assigned to the waste stream and the assignment of the corresponding toxicity characteristic EPA hazardous waste numbers is not necessary (i.e., D039, D040). Therefore, these characteristic EPA hazardous waste numbers are not assigned to this waste stream (Reference DR011).

Listed Waste

F-Listed Waste

Waste stream SR-W027-321M-HOM is an F-listed hazardous waste because it was mixed with hazardous wastes from non-specific sources as listed in 40 CFR Part 261.31. The following F-listed constituents were used and contaminate the materials in this waste stream.

- Klear All solvent was used for cleaning of the extrusion press pit (Reference P036). This commercial product contains tetrachloroethylene and methylene chloride (Reference M023).

- CCP certified solid sampling and analysis of homogeneous waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit (UCL_{90}) exceeded the PRQL for this analyte. A re-evaluation was performed and no potential source of trichloroethylene was found in the available AK documentation. As required by the WIPP-WAP, hazardous waste number F002 is conservatively assigned to the waste stream for trichloroethylene because the source of the constituent could not be identified (Reference DR011).

- Raycohesive B-84 which contains 1,1,1-trichloroethane and methylene chloride was used to seal the rigid liner lid and drum gasket in place (References M023, P111, P160). According to the WIPP-WAP, solvents used for packaging purposes do not meet the definition of an F-listed waste.

As indicated above, F001 listed solvents methylene chloride, tetrachloroethylene, and trichloroethylene were identified as being present in the waste stream. However, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor

degreasing on an industrial scale. This waste was generated during maintenance operations, not during large-scale degreasing operations (Reference DR011). Therefore, EPA hazardous waste number F002 is assigned to this waste stream.

K-Listed Waste

Waste stream SR-W027-321M-HOM does not contain hazardous waste from the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste.

P- and U-Listed Waste

Waste stream SR-W027-321M-HOM does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. Based on the AK documentation reviewed, there is no evidence that unused commercial products were disposed of in TRU waste drums. Consequently, P- and U-listed EPA hazardous waste numbers are not assigned to this waste stream. In addition, hydrofluoric acid and beryllium were not used in Building 321-M. Therefore, EPA hazardous waste numbers U134 and P015 are not assigned to this waste stream (References M050, M060).

Polychlorinated Biphenyls (PCBs)

Based on documentation reviewed during the AK investigation, waste stream SR-W027-321M-HOM does not contain PCBs greater than 50 ppm, and therefore is not regulated as a Toxic Substance Control Act waste under 40 CFR 761.

Common PCB items include fluorescent light ballasts and oil-filled equipment such as electrical transformers, capacitors, and hydraulic equipment (e.g., pumps). There is no indication of these items being present in this waste stream. A portable pump was used to remove the oil from the extrusion press pit and transfer it into a drum, but RTR did not identify a pump in this drum (Reference M024). Pump oils, which commonly included PCBs, were collected separately from this waste stream. This waste stream includes absorbed A-408 lubricating oil mixed with powdered lead and there is no indication that this lubricating oil contained PCBs (References C017, M023, P043).

Prohibited Items

Uncertified RTR conducted on this drum in February 2008 identified 2.5 gallons of liquid (Reference M024). This drum was repackaged in August 2008, and the repackaging form indicates the liquid was absorbed. However, an uncertified RTR was conducted again in July 2011 and liquid was identified in the folds of the plastic (Reference M054).

Certified RTR and/or VE are performed by Central Characterization Program (CCP) to ensure liquids do not exceed the amounts allowed by the WIPP-WAP and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of the amounts allowed by the WIPP-WAP, or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P162, P163).

Method for Determining Waste Material Parameter Weights per Unit of Waste

Uncertified RTR was done for the one drum in waste stream SR-W027-321M-HOM to determine the summary category group and estimate the waste material parameter weights (References C105, M054).

Waste Stream SR-W027-321M-HOM Waste Material Parameters

Waste Material Parameter	Weight Percent
Iron-based Metals/Alloys	3.3%
Aluminum-based Metals/Alloys	<0.1%*
Other Metals	<0.1%*
Other Inorganic Materials	0%
Cellulosics	<0.1%*
Rubber	<0.1%*
Plastics (waste materials)	5.4%
Organic Matrix	91.3%
Inorganic Matrix	0%
Soils/Gravel	0%

* Waste material parameters not identified by uncertified RTR; however, AK documentation indicates they may be present in the waste stream.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

The values reported for Waste Stream SR-W027-321M-HOM Radiological Characterization, are based on the results of certified CCP non-destructive assay data. To determine isotopic ratios, the gram value for each individual radionuclide was summed over the waste stream and then divided by the total radiological mass in the waste stream (i.e., one drum). This value was converted to a percentage and is presented as the "Total Radionuclide Wt%" on the following table. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activities for each radionuclide over the waste stream. The radionuclide weight percent range for individual drums and total radionuclide curie percent range for individual drums were not determined because this is a one drum waste stream. The two most prevalent radionuclides by mass are Pu-239 and Np-237 (Reference DR012).

Waste Stream SR-W027-321M-HOM Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	Not Reported				Yes[6]
Pu-238	7.80%	N/A	**96.82%**	N/A	Yes
Pu-239	**69.86%**	N/A	3.15%	N/A	Yes
Pu-240	Not Reported				Yes[7]
Pu-242	0.01%	N/A	Trace	N/A	Yes
U-233	Not Reported				No
U-234	3.79%	N/A	0.02%	N/A	Yes
U-238	Not Reported				Yes[8]
Cs-137	Trace	N/A	Trace	N/A	Yes
Sr-90	Trace	N/A	Trace	N/A	Yes
Additional Radionuclides					
Pu-241	Not Reported				Yes[7]
Np-237	**18.54%**	N/A	0.01%	N/A	Yes
U-235	Not Reported				Yes[8]

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream (i.e., one drum).
2. Radionuclide Wt% Range for Individual Containers was not reported because this is a one drum waste stream.
3. This listing indicates the total curie percent of each radionuclide over the entire waste stream (i.e., one drum).
4. Radionuclide Ci% Range for Individual Containers was not report because this is a one drum waste stream.
5. "Trace" indicates <0.01 weight or activity percent for that radionuclide.
6. Am-241 was not reported in SRS or CCP data but will be potentially present from the decay of Pu-241.
7. Pu-240 and Pu-241 were not reported in CCP data but are potentially present because they are present in Mark 41 materials.
8. U-235 and U-238 were not reported in SRS or CCP data but are potentially present from enriched uranium fabrication operations.

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Document Title
C016	Memo to T. C. Evans re: Nuclear Criticality Safety Analysis No. 67 Processing Mark 41 in Buildings 321-M and 322-M
C017	Memo to S. L. Tibrea re: Building 321-M Wastes
C027	Memo to J. M. Boswell re: Mark 41 Development Program Status
C028	Memo to J. M. Boswell re: Mark 41 Development Program-Status (2)
C036	Memo to J. Jiunnies re: Nuclear Criticality Safety Analysis No. 157 Processing Mark 42 Tubes and Billets in the 300 Area
C037	Memo to G. W. Wilds re: Nuclear Criticality Safety Analysis 79-4 Nuclear Safety in the Fabrication and Shipment of Mark 42 Billets for the Pu-242 Program
C038	Memo to J. P. Maloney re: Evaluating Mark 41 (PuO2) Tubes Containing High Density Spots
C044	Memo to G. W. Wilds re: Summary of MK 42 Program in Building 235-F
C045	Memo to R. S. Swingle re: 235-F Quality Control Program Mark 42 Billet Fabrication
C100	Memorandum from Kevin J. Peters to CCP Central Records. Subject: Savannah River Transplutonium Program & Special Isotope Production for Defense R&D
C104	E-mail from Dan Remington to Jeff Harrison, et al. Subject: PSLBC0051 Technical Questions Answered
C105	Review of RTR Fast Scan for SR500174
C150	Modification of Bldg. 322-M Plutonium-Neptunium Glove Box System
C151	Email from Jeff Lunsford to Jim Schoen Dated 6/18/12
C152	Email from Jeff Lunsford to Jim Schoen Dated 6/19/12
D013	Safety Analysis – 300 Area, Savannah River Plant, Raw Materials Area Operations; Fuel Fabrication Facility – Building 321-M (UCNI)
D022	Mark 41 Irradiation Program, Add. 1
D035	Mark 41 Billet Fabrication Program Building 235-F
D043	Mark 41 PuO_2-Al Outer Target Tube 300-Area Process Documentation (a Works Technical Internal Report)
DR002	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Mark 41 and Mark 42 Radionuclides
DR005	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Waste Stream SR-W027-321-322M-HET Packaging
DR011	Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM
DR012	Acceptable Knowledge Source Document Discrepancy Resolution – Radiological Distribution for Waste Stream SR-W027-321M-HOM
M023	Material Safety Data Sheets for Commercial Products Used in Building 321-M
M024	RTR Quick Screen Data Sheets
M050	Burial Ground Records
M053	Radioassay Data Sheets for SR505375 and SR500174
M054	RTR Still Images of SR500174

Tracking Number	Document Title
M060	GoWest Database Query – Generator Facility 321 M
P020	Special Test Procedure - Mark 41 Outer Target Development Pilot Run
P022	Sealing Billet Evacuation Tubes
P024	Preparing and Applying Billet Lubricant
P026	Operating Outgassing Ovens A, B, C, & D
P028	Operating the Bond Tester
P029	Process Quality Assurance
P031	Operating the Extrusion Press (Coextrusion)
P036	Cleaning Extrusion Press Pit
P042	Assembly of Tubes
P043	Preparing, Applying, and Disposing of Lead-Oil Lubricant
P050	Transferring Metallurgical Sample Tubes Between Buildings 321·M And 322·M
P051	Final Inspection of Tubes
P054	Dimensional Inspection of Tubes
P055	Operating the Pickling Room Hoist
P056	Cleaning EP 63 Solvent Recovery Still
P058	Assembly Straightness Inspection
P059	Cutting Fuel Tubes with Hand Saw
P062	Straightening Tubes with Gag Press
P067	Completing Burial Ground Record Forms
P083	Thermal Test Oven Operation, EP 20169
P088	Trimming Tubes Using Stone Cutoff Saw, Model M-75
P090	Starting up and Shutting Down Pickling Room
P092	Preparing, Adjusting, and Disposing of Tube Cleaning Solutions
P093	Operating the Trichloroethane Recovery Still, EP 20189
P094	Shutting Down and Cleaning Degreaser, EP 116
P098	Machining Tubes to Specifications on Cutter-Trimmer
P099	Sizing Tubes on Drawbench, EP 114
P105	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part III
P109	Postextrusion Cleaning - Tubes or Logs
P111	Radiation and Contamination Control for Processing Neptunium and Plutonium Elements
P123	Special Test Procedure - Mark 41 Outer Target Production, NTG Testing Through Shipping
P132	Special Test Procedure - Mark 41 Outer Target Production, Radiation and Contamination Control Mark 41 Outer Target (Pu) Elements
P151	Special Test Procedure - Mark 41 Outer Target Production, Special Fluoroscope Inspection
P154	Special Test Procedure - Evaluating Mark 41 PuO2 Tubes Containing High Density Spots
P155	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part II
P157	Storage of Transuranium (TRU) Waste

Tracking Number	Document Title
P158	Manual For Nuclear Materials Management And Safeguards System Reporting And Data Submission
P159	Technical Standard - Storage of Solid Radioactive Waste
P160	Management of Solid Radioactive Waste
P161	Supplemental Technical Data Summary, M-Area Groundwater Investigation
P162	Absorbing Containerized Liquids
P163	TRU Drum Repackaging
P166	Decommissioning Scoping Document. Building 321-M, Fuel Fabrication Facility
P188	Packaging Sealed Containers With Liquid Waste (U)

AK9

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:12:01617
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: December 5, 2012

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-MD-SOIL

Please accept the attached Savannah River site Waste Stream Profile Form SR-MD-SOIL, Revision 1 to be placed in records for Waste Stream # SR-MD-SOIL.

MFR:jmc

Attachment

cc: NWP

(without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-MD-SOIL, Revision 1						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock					(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 31, October 1, 2012						
(8) Did your facility generate this waste?	YES		NO	X		
(9) If no, provide the name and EPA ID of the original generator: Mound Site OH6890008984						
Waste Stream Information						
(10) WIPP ID: SR-MD-SOIL					(11) Summary Category Group: S4000 – Soil/Gravel	
(12) Waste Matrix Code Group: Soils					(13) Waste Stream Name: Contaminated Soil from the Mound Site	
(14) Description from the ATWIR: Soil mixed with absorbent and some commingled debris (i.e., rock concrete, rebar and piping).						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: 9 (17a) Number of SLB2s: 3		(18) Number of Drums: 60 55-gallon drums			(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.						
(21) List applicable EPA Hazardous Waste Numbers:[1] D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007 and F009						
(22) Applicable TRUCON Content Numbers: SQ 111 / SQ 211, SR 411						
(23) **Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-8, Revision 8, October 10, 2012, Figures 1, 2, 4 and 5						
(23B) Facility mission description: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.2						
(23C) Description of operations that generate waste: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.3						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.5						
(23E) Types and quantities of waste generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.2						
(24) Waste certification procedures: CCP-TP-030, Revision 30, May 21, 2012						
(25) Required Waste Stream Information						

(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.3			
(25D) Waste Process flow diagrams: N/A,			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-MD-SOIL Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) Supplemental Documentation			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P017, P034, P041, P049, P050, P057, P073, P079, P099, P117, P124, P125, P126, P127, P128, P129 and U019 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27C) Safety Analysis Reports: See I050, P027, P036, P067 and P072 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27D) Waste packaging logs: See I005, P099 and U002 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27E) Test plans/research project reports: See C042, M061 and M062 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27F) Site databases: See I017, I020 and P096 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27G) Information from site personnel: See C003, C005, C007, C008, C010, C011, C012, C013, C016, C020, C040 and I048 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C041, C042, I005, I019, M061, M063, M064, M076, M077, P017, P073, P098 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27J) Material safety data sheets: See P095 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27K) Sampling and analysis data from comparable/surrogate Waste: See C042, M061, M062, P013, P086 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

This WSPF was revised to address the addition of the standard large box 2 (SLB2) payload container and associated TRUPACT-III Content Code Number SR 411 to waste stream SR-MD-SOIL. The changes to not affect the waste stream designation or assignment of Environmental Protection Agency (EPA) hazardous waste numbers, as identified in the previously approved WSPF.

Reviewed by AK Expert: YES [X] **Date:** 10/11/2012

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 10/15/2012

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Beverly Schrock Printed Name	10/15/12 Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-MD-SOIL Rev. 1

Lot 6

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 004

Solids Analysis VOC UCL_{90} Evaluation Form..... 005

Solids Analysis SVOC UCL_{90} Evaluation Form..... 007

Solids Analysis Metals UCL_{90} Evaluation Form..... 008

Solid VOCs Summary Data..... 009

Solid SVOCs Summary Data..... 010

RTR/VE Summary of Prohibited Items and AK Confirmation..... 011

Reconciliation with Data Quality Objectives..... 012

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and Reporting Characterization Data

CCP Characterization Information Summary Cover Page

Waste Stream # SR-MD-SOIL Lot #: 6

AK Expert Review: N/A Date: N/A

SPM Review: Joshua Houghton Date: 11/6/2012

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 6	03/04/08	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
ACCM-8909	Rev. 9	01/20/05	Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
ACCM-9500	Rev. 11	12/15/05	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
ACCM-9500	Rev. 10	07/28/04	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 8	01/20/05	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 7	07/28/04	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 14	12/01/05	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 13	12/21/04	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
ACMM-9441	Rev. 11	12/22/04	Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 3	01/27/05	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 2	04/07/03	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 3	01/27/05	Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 2	04/07/03	Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 16	04/26/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 15	11/22/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 14	11/16/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 13	07/21/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 12	05/25/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 11	03/23/05	Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/30/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 19	12/22/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 18	11/16/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 17	10/10/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 16	06/06/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 15	08/16/05	CCP Reconciliation of DQOs and Reporting Characterization Data

CCP Characterization Information Summary Cover Page

CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 15	11/16/06	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 14	09/03/03	Sampling Design and Data Analysis for RCRA Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/05/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 30	05/21/12	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 29	04/26/11	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 28	05/12/10	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 27	12/14/09	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 26	05/27/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 25	01/22/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 24	08/20/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 23	03/12/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 22	07/24/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 21	05/21/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 20	02/07/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 19	11/16/06	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 18	05/01/06	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 17	12/29/05	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 16	04/22/05	CCP TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/30/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 17	06/23/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 16	10/31/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 15	08/10/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 14	03/28/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 13	11/16/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 12	03/22/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 11	03/10/05	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 25	12/29/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 24	06/30/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 23	04/07/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 22	01/12/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 21	01/26/09	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 20	11/02/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 19	05/22/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 18	11/16/06	CCP Transuranic Waste Certification Plan
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CCP-PO-002	Rev. 15	03/22/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 14	12/29/05	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 13	05/09/05	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 28	12/29/10	CCP/SRS Interface Document
CCP-PO-004	Rev. 27	05/22/09	CCP/SRS Interface Document
CCP-PO-004	Rev. 26	08/26/08	CCP/SRS Interface Document
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CCP-PO-004	Rev. 23	01/31/07	CCP/SRS Interface Document
CCP-PO-004	Rev. 22	11/16/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 21	03/31/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 20	11/02/05	CCP/SRS Interface Document
CCP-PO-004	Rev. 19	03/14/05	CCP/SRS Interface Document

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 6

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes
MDL0504556	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506223**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506233**	N/A	N/A	N/A	WCS-0501	ALD05023S,N,V,M	N/A
MDL0506246**	N/A	N/A	N/A	WCS-0502	ALD05018S,N,V,M	N/A
MDL0506267**	N/A	N/A	N/A	WCS-0501	ALD05024S,N,V,M	N/A
MDL0506281**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506656	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506675	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506692	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL504586B	SRLBC0210	SR4RTR0108	N/A	SSC11-00008	ALD11026S,N,V,M	N/A

CCS-004

Note: This Lot was established for WSPF revision to capture the data present in the UCL_{90}. All RTR/NDA data for these containers have been accounted for in previous Lots.

** These containers were randomly selected for solids sampling and analysis and are included for the verification of hazardous waste number assignment for the waste stream only.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	4	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

CS-005

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Savannah River Site.
[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.
[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.
[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

C3S-006

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pyridine [a]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.
[b] Required only for waste matrix code S3220 (organic sludges).

GIS-007

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27600	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

CES-008

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

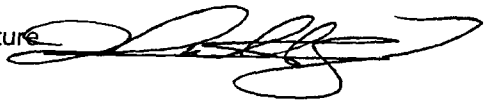
CCP Solid VOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature  Date 11/6/2012

CIS-009

CCP Solid SVOCs Summary Data

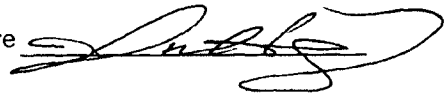
Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Diethyl Phthalate(1)	1.70	5	50.00%

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

(1) Diethyl Phalate was detected in greater than 25% of the samples. No additional sampling is expected and the TIC will be added to the Target Analyte List for this waste stream for any future sampling sets.

SPM Signature  Date 11/6/2012

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-MD-SOIL Lot #: 6

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for waste stream SR-MD-SOIL.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 11/6/2012 (Date)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

Sampling Completeness

RTR/VE:

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments: None

Signature of Site ~~Project~~ Manager | Joshua Houghton (Printed Name) | 11/6/2012 (Date)

CIS-014

Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL

Overview

Waste stream SR-MD-HET consists of contact-handled transuranic (TRU) contaminated soil generated at the Mound Site and stored by the Savannah River Site (SRS). The containers in this waste stream were transferred from the Mound Site to SRS for characterization and storage between 2001 and 2005. Mound was an integrated research, development, and production facility performing work in support of both U.S. Department of Energy (DOE) weapons and energy programs. The primary mission as it relates to the generation of TRU waste was the processing of Plutonium (Pu)-238 for the fabrication of radioisotopic heat sources for space and military applications. Pu-238 production operations started in 1961 and ended by 1980. Since 1980, Mound operations have included radiochemical analysis, decontamination and decommissioning (D&D), and site remediation.

Waste Stream SR-MD-SOIL was contaminated with or generated by Mound operations in support of defense nuclear materials production and defense research and development. Therefore, this waste stream is defense related waste.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-MD-SOIL, Rev. 1 for contaminated soil generated at the Mound Site. The WSPF was originally approved on September 29, 2010. The primary source of information for this Summation is CCP-AK-SRS-8, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C,* Revision 8, October 10, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Contaminated Soil from the Mound Site
Waste Stream Number:	SR-MD-SOIL
Dates of Waste Generation:	June 1988 – May 2005
Waste Stream Volume – Current:	60 55-gallon drums 9 standard waste boxes 3 standard large box 2s
Waste Stream Volume – Projected:	None
Summary Category Group:	S4000 – Soil/Gravel
Waste Matrix Code Group:	Soils
Waste Matrix Code:	S4200
TRUPACT-II Content Codes:	SQ 111/SQ 211
TRUPACT-III Content Code:	SR 411

Annual Transuranic Waste Inventory Report (ATWIR) Identification Number: SR-MD-SOIL

Waste Stream Description and Physical Form

Waste stream SR-MD-SOIL is comprised primarily of soil but also includes some rock, concrete, rebar, and piping (References I092 and U001). Absorbent (i.e., Florco or Petrosorb) was also added to soil containers (References P095 and U001). Mound soil is primarily glacial till ranging from gravel and sand to dense clay with clay being predominant (Reference P065).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from the cleanup of research and processing areas and D&D/remediation of Mound facilities.

Point of Generation

Location

Waste Stream SR-MD-SOIL was generated at the Mound Site in Miamisburg, Ohio. The waste is currently stored at the SRS E-Area TRU waste storage pads in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-MD-SOIL was generated from D&D of Special Metallurgical (SM) Building, remediation of the SM West Asphalt Area, and remediation of two areas of the Waste Transfer System (WTS) underground transfer lines. One area was a segment of the WTS that ran from Semi-Works (SW) and Research (R) Buildings to Waste Disposal (WD) Building. The other area of the WTS was the hillside near WD Building where lines ran from SM and Plutonium Processing (PP) Buildings to WD Building (References P040, U001, and U018).

Generating Processes

Description of Waste Generation Processes

A brief description of the specific areas and buildings at Mound that generated TRU waste is provided below (Reference P020).

SM Building

The SM facility became operational in 1961 and was the original building used for Pu-238 processing until operations were transferred to PP Building (References M042, P036, P053, and P054).

PP Building

The PP facility (also known as Building 38) was constructed in 1967 and was used primarily for production of Pu-238 heat source capsules and Pu-238 recovery operations. The Pu-238 processing operations ended by 1980. The only TRU waste generating operations since that time were various programs in the north analytical line and building support functions (References M042, P044, and P054).

R Building

The R facility was built in 1948 and was initially used for research and development (R&D) for the polonium-210 program. The polonium program was phased out by 1971. Pu-238 research began in about 1959. Most of the Pu-238 work ended in about 1978 although a few operations continued into the 1990s. R&D work involving tritium was also conducted starting in the early 1980s (References I090, M042, and P054).

SW Building

The SW facility consisted of many laboratories used for a variety of operations. The "old cave" and "new cave" areas consisted of a number of rooms with several types of alpha and gamma radiation and project capabilities (References M042 and P054).

WD/Waste Disposal Annex (WDA) Building

The WD facility became operational in 1949 and was the central facility for the treatment of liquid radioactive wastes at Mound. The WDA was added in 1966 for the treatment of alpha waste water from SM and PP buildings. The beta waste water treatment system began in 1967 (References M042, P045, and P054).

Waste Transfer System and Hillside

The WTS includes underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. The WTS remediation included the underground pipeline that ran from SW/R to WD and the two (2) underground pipelines that ran from SM/PP to the pump house (Building 41) and then to WD through two (2) underground pipelines. The Hillside is located adjacent to WD, and is the site of a 1969 spill resulting from a ruptured pipeline (References M042, P053, and U018).

Sewage Disposal Plant

The Sewage Disposal (SD) Plant was built in 1948 to process sanitary waste. It was taken out of service in the 1970s when it became too small and was replaced by a new sanitary sewage disposal plant. The area surrounding the old SD Plant became contaminated due to the 1969 rupture of the WTS pipeline and from a waste line break near Building 48 in 1970 (References I090, M044, and P056).

D&D/Remediation Operations

Soil waste was generated during D&D operations and from several remediation projects. Areas remediated included portions of the WTS underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. In addition, contaminated areas beneath and adjacent to SM Building have also generated soil.

The WTS pipeline, which was placed into operation in 1968, carried acidic and caustic wastewater from PP Building to WD Building. During a routine transfer of plutonium nitrate solution on January 23, 1969, the pipeline ruptured leading to significant Pu-238 contamination. The rupture occurred at a corroded joint located in a section of pipe on the hillside between the pump house (Building 41) and south of WD Building. The rupture of this pipeline also caused the area surrounding the old SD facility (which was adjacent to WD Building) to become

contaminated with Pu-238. In December 1970, elevated alpha activity was observed at the SD influent tanks during routine monitoring. Subsequent search and sampling of the sanitary and process sewer lines indicated that seepage from the process lines had in fact affected the sanitary lines which were made from vitrified clay. Soil removal from this area was done in 1974 and shipped to Idaho (References I028, I033, I090, M044, P017, P018, P056, P086, and P099). Additional remediation of this area in 1988 generated the TRU soil in this waste stream (References C003, C016, M042, and U001).

Soil was also generated in 2004 and 2005 from the remediation of Potential Release Site (PRS)-438. PRS-438 was an area with contaminated soil and a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building (References M062, U001, and U018).

The area under and immediately surrounding SM Building was contaminated with Pu-238. The contamination was largely the result of activity located beneath the operations side of the building and the previous utilization of low-risk tanks outside the building (References I033 and P017). The TRU soil in this waste stream was from beneath the building floor; specifically SM-10 (References P020 and U001).

Soil was also generated in 2005 by the SM West Asphalt Project. The "West Asphalt" area is immediately adjacent and west of the SM/PP stack running west to the roadway and approximately 30 meters north. This location on the SM/PP hill is known to historically contain several radiological hot spots (References M061 and U001).

Waste Stream Material and Chemical Inputs

The following table identifies the RCRA toxicity characteristic and listed constituents identified in this waste stream.

Waste Stream SR-MD-SOIL Chemicals

Chemical	EPA Code	Use/Presence	References
Copper, gold, and sodium cyanide plating solutions	F007 F009	SD influent from plating shop	I090
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) SD influent from plating shop	P020 P096 I090
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Cadmium	D006	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004
Chromium	D007	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004

Lead	D008	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Mercury	D009	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Selenium	D010	Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 P020 P096 C016, I008, M004
Silver	D011	Listed as a trace contaminant of soil SD influent from photographic solution SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 I090 P020 P096 C009, I008, M004
1,1,1-Trichloroethane	F002	Solvent extraction in R Bldg Cleaning in SW Bldg Chemical used in SM, PP, and R Bldgs	I090 P020 C016
1,1,2-Trichloroethane	F002	Unspecified uses	C016
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	SD influent from plating shop Degreasing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 C019 P096 C005, C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
Tetrachloroethylene	F002	SD influent Solvent use in SW Chemical used in SM, PP, and R Bldgs	I090 C019 C011, C016
Trichloroethylene	F002	WD influent from SM and R SD influent from plating shop Degreasing in SM R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I045, I090, P065 I090 C007, C010 P096 C011, C016
Acetone	F003	WD influent from SM and PP SD influent from plating shop SM for cleaning Ultrasonic cleaning in R Bldg Cleaning in SW Chemical used in SM, PP, and R Bldgs	I090, P065, P100 I090 C007, C008, I050 P020 C019, P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016

Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016
Methanol	F003	WD influent from SM and R Degreasing in SM Cleaning in SW Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C010, C020 P020 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	Cleaning and polishing in SW Scintillation counting R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P064 P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Toluene	F005	Cleaning and polishing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019, P020 P096 C011, C016

RCRA Determinations

Historical Waste Management

Waste Stream SR-MD-SOIL has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as non-hazardous waste. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007, and F009. The Waste Stream SR-MD-SOIL Chemicals table summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, analytical data, chemical inventories, and interviews (References DR002, I001, M061, M062, and U001).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The materials in waste stream SR-MD-SOIL do not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. Mound used ignitable liquids including

alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene). However, the material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Liquids, compressed gases, and pyrophorics are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Pyrophoric materials do not exist in Mound soils. Underground piping that leaked originated from buildings that did not contain or dispose of pyrophoric materials in the piping (Reference P065). Waste stream SR-MD-SOIL is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-SOIL do not meet the definition of corrosivity as defined in 40 CFR 261.22. Mound used acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide). However, liquids are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). Also, the acid from the pipe rupture was neutralized by the soil carbonates (Reference P013). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-SOIL is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-SOIL do not meet the definition of reactivity as defined in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain sulfides. The materials are not capable of detonation or explosive reaction. Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, P105, P117, P120, P121, and U019). Waste stream SR-MD-SOIL is therefore not reactive (D003).

Calcium metal was used in the 1960s to reduce plutonium tetrafluoride to metal. After the reduction process, the Pu-238 metal was broken away from the slag, and the metal was cleaned with a brush to remove adherent slag and calcium metal. The slag and calcium metal were sent to plutonium recovery, and therefore, will not be in this waste stream (Reference I090).

Cyanides were contained in aqueous liquids treated in SD and WD Buildings and residual cyanides could therefore be present in the soil. However, residual cyanides would not cause the soil to exhibit the characteristic of reactivity (References I045, I090, and P100).

Toxicity Characteristic

Waste stream SR-MD-SOIL exhibits the characteristics of toxicity for metals as defined in 40 CFR 261.24. The toxicity characteristic metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver may be present in trace quantities in soil.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil samples (29) were analyzed for total metals. Several RCRA regulated metals were detected in small quantities (barium at 210 parts per million [ppm] was the highest concentration) but none above the regulatory level. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for metals by the Toxicity Characteristic Leaching Procedure (TCLP). Several RCRA regulated metals were detected in small quantities (barium at 3,960 micrograms per liter was the highest concentration) but none above the regulatory level (Reference M061).

Even though the analytical results indicate the metal concentrations are less than their respective regulatory levels, the above data do not represent the entire population of soil (References M061 and M062). In addition, the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). For these reasons, EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, and D011 are applied to waste stream SR-MD-SOIL (Reference DR002).

Waste stream SR-MD-SOIL does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24. The toxicity characteristic organics benzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene may be present in the soil. However, these compounds are known (or in some cases assumed) to have been used for their solvent properties, and therefore, the more specific F-listed hazardous waste numbers are assigned. Consequently, D018 (benzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to the waste stream (Reference DR002).

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Methyl ethyl ketone was the only toxicity characteristic organic detected with the highest concentration being 69 micrograms per kilogram. Benzene, tetrachloroethylene, and trichloroethylene were not detected in any of the samples. Other toxicity characteristic organics were not analyzed. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter.

Nearly every toxicity characteristic organic was analyzed for, and no other constituents were detected (Reference M061).

Although every toxicity characteristic organic compound was not analyzed for and the above analytical data do not represent the entire population of soil, the same approach was not used for the assignment of toxicity characteristic organic hazardous waste numbers as was done for the toxic metals. This is because the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). Pure organic compounds were not treated in the SD or WD facilities and are not expected to be present above regulatory levels (References I090, M042, M044, P045, P054, and P056). Therefore, waste stream SR-MD-SOIL is not assigned toxicity characteristic organic EPA hazardous waste numbers.

Listed Waste

F-Listed Waste

Waste stream SR-MD-SOIL may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31. Aqueous solutions containing trace quantities of organic solvents from R, SW, SM and/or PP Buildings were treated in WD Building. Several aqueous solutions containing trace quantities of organic solvents were also treated in the old SD facility. This waste stream includes soil from under and west of SM Building and from remediation of underground liquid waste transfer lines north and south of SD Building and WD Building and is therefore potentially contaminated with these liquids. Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-SOIL. EPA hazardous waste numbers F002, F003, F004, and F005 are therefore assigned to waste stream SR-MD-SOIL (Reference DR002).

Spent plating bath solutions and spent stripping and cleaning bath solutions from electroplating operations where cyanides were used from the plating shop were treated in SD Building. There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. Therefore, EPA hazardous waste numbers F007 and F009 are assigned to waste stream SR-MD-SOIL (Reference DR002).

Although 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Several organic solvents were detected in small quantities (210 parts-per-billion was the highest concentration) including ortho-dichlorobenzene (1 detect), methylene chloride (4 detects), acetone (4 detects), methyl ethyl ketone (3 detects), and toluene (3 detects). These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by the TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter. No other constituents were detected (Reference M061).

Several of the organic solvents listed were not analyzed for, and the above analytical data do not represent the entire population of soil. For this reason, those organic constituents are assumed to be present as spent solvent contaminants of the soil (References M061 and M062).

K-Listed Waste

This waste stream does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32.

P- and U-Listed Waste

Waste stream SR-MD-SOIL is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste.

The organic solvents were in spent aqueous solutions discharged through the WTS for treatment which does not meet the definition of a U-listed waste. In addition, hydrofluoric acid was used in analytical laboratories and in the plating shop. The hydrofluoric acid from these operations was used for its intended purpose prior to being discharged through the WTS for treatment and will not be present in the soil as unused product. Therefore, this waste stream SR-MD-SOIL is not a U134-listed waste (References I090 and P100). Beryllium was not specifically identified in this waste stream. Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil cores were divided into aliquots for analysis, including 29 analyzed for beryllium. Most of the samples contained extremely small amounts of beryllium ranging from 0.54 to 1.4 ppm. However, the beryllium contamination in this waste does not meet the definition of a P-listed waste (Reference M062). Therefore, this waste stream is not assigned U- or P-Listed EPA hazardous waste numbers.

Polychlorinated Biphenyls

The soil and debris materials in waste stream SR-MD-SOIL are not regulated as a Toxic Substances Control Act (TSCA) waste under 40 CFR 761 because no sources of PCBs have been identified in this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream. The soil samples (29) were analyzed for nine different Aroclors as well as decachlorobiphenyl. The Aroclors were all below the 50 microgram per kilogram detection limit, and the maximum concentration of decachlorobiphenyl was 183 micrograms per kilogram. Since the TSCA regulatory level is 50 ppm (milligrams per kilogram), this soil is not regulated as PCB waste (Reference M062).

Prohibited Items

Prohibited items were not identified in this waste stream on the container paperwork (Reference U001). Historical RTR observed small amounts of liquids (non-prohibited quantities), which originated from spraying water to suppress dust before waste container packaging (Reference DR007, M064, and U019). However, characterization activities have identified prohibited quantities of liquid. Therefore, containers with prohibited waste items identified during characterization activities will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The following waste material parameters are associated with waste stream SR-MD-SOIL. This information is based on specific waste items identified in packaging procedures, standard operating procedures, and waste disposal forms (References I092 and U001).

To estimate the waste material parameter weight percentages for waste stream SR MD SOIL, data were obtained from the 29-90 forms. SRS observed the packaging of the waste at Mound and estimated the material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for 19 containers from waste stream SR-MD-SOIL were evaluated.

A statistical analysis of the 29-90 data was performed, the results of which are presented in the Waste Stream SR-MD-SOIL Waste Material Parameters table.

Waste Stream SR-MD-SOIL Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range		
Iron-based Metals/Alloys	3.3%	0	–	21.3%
Aluminum-based Metals/Alloys	0.0%	0	–	0.0%
Other Metals	0.0%	0	–	0.0%
Other Inorganic Materials[1]	1.9%	0		9.5%
Cellulosics	0.0%	0	–	0.0%
Rubber	0.0%	0	–	0.0%
Plastics	0.1%	0	–	6.4%
Organic Matrix[1]	0.0%	0	–	0.0%
Inorganic Matrix	0.0%	0	–	0.0%
Soils/Gravel	94.7%	75.3	–	100%

[1]Review of the 29-90 forms has determined that inorganic absorbent has been listed incorrectly as organic. Therefore, the original waste material parameter evaluation has been updated.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

To determine isotopic ratios for waste stream SR-MD-SOIL as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers."

As shown in the Waste Stream SR-MD-SOIL Radiological Characterization table, Pu-239 is the most predominant radionuclide by mass, and Pu-238 is the second most predominant radionuclide by mass (References DR005, DR015, I020, I092, M077, M078, M079, and U001).

Waste Stream SR-MD-SOIL Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1]	Total Radionuclide Curie%[2]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	1.29%	0.92%	Trace – 22.13%	Trace – 11.94%	Yes
Pu-238	**27.54%**	97.64%	2.11 – 99.99%	66.80– 99.99%	Yes
Pu-239	**60.80%**	0.78%	0 – 96.20%	0 – 13.54%	Yes
Pu-240	0.24%	0.01%	0 – 5.83%	0 – 1.73%	Yes
Pu-242	0.04%	Trace[5]	0 – 0.80%	0 – Trace	Yes
U-233	Not Reported[6]	Not Reported	Not Reported	Not Reported	Yes
U-234	7.12%	0.01%	0 – 32.65%	0 – 0.02%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Sr-90	Trace	Trace	0 – Trace	0 – Trace	Yes
Cs-137	Trace	0.08%	0 – 1.97%	0 – 9.28%	Yes
Additional Reported Radionuclides					
Bi-214	Trace	Trace	Trace	Trace	Yes
Co-60	Trace	Trace	Trace	0 – Trace	Yes
Np-237	2.94%	Trace	0 – 24.89%	0 – Trace	Yes
K-40	Trace	Trace	Trace	Trace	Yes
Pb-212	Trace	Trace	Trace	Trace	Yes
Pb-214	Trace	Trace	Trace	Trace	Yes
Pu-241	0.03%	0.56%	0 – 0.46%	0 – 21.83%	Yes
Other Radionuclides Not Reported in Soil Assay but May Be Present in Trace Amounts[7]					
Ac-227	H-3	Pa-231	Pb-210	Ra-226	Ra-228
Th-228	Th-229	Th-230	Th-232	Ac-228	Ba-133
Bi-212	Bi-213	Cf-252	Cm-244	Cs-134	Eu-152
Eu-154	Fr-221	Ho-166m	Na-22	Pa-233	Pb-206
Pb-211	Po-209	Po-210	Pu-236	Ra-223	Ra-226
Rn-219	Sb-125	Th-227	Th-234	Tl-208	U-232
U-235	U-237	Y-90			

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
3. This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 percent for that radionuclide.
6. "Not Reported" indicates that an activity value for that radionuclide was not reported in assay results but is suspected present in the waste stream.
7. These radionuclides were not reported in assay data for soil but were historically processed at Mound and/or were detected in assay of debris waste, and therefore, may be present in this waste stream. Only trace amounts are assumed to be present in the waste stream.

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Number	Title
C003	Interview with Bill Franz
C005	Interview/Dan Hopkins
C006	Interview/Dick Blauvelt
C007	Interview with Dr. Bernie Kokenge
C008	Interview with Toby Elswick
C009	Interview with Paul Figgins
C010	Interview/Clyde Chong
C011	Interview/Ron Goss
C012	Interview/Bill Davis
C013	Interview/Al Combs
C016	Interview/Ron Saun
C019	Interview/Mike Deaton
C020	Record of Communication Don Luthey
C022	Justification for Pu-238 Programs
C024	List of different types of containers
C040	E-mails from C. Sienkiewicz to J. Harrison, Re: Mound Soil and Soil Packaging Questions
C041	Rockwell International Letter from J. K. Paynter to B. C. Barrett. Subject: Radionuclide Information Required For TRUPACT II Shipments
C042	Letters to Thomas L. Clements, EG&G Idaho from R.N. Rogers, LANL, Re: Reactivity of Resins (nitrated)
C043	Email from Jeff Harrison to Felicia Hinojos re: SRS-8 Freeze File – SR-MD-SOIL Layers of Confinement
C044	E-mail to Mike Papp: Subject Packaging Procedures: Repackaging plans for TRU waste described in CCP-AK-SRS-8
C046	Reconciliation of Waste Containers List for Waste Streams SR-MD-HET, SR-MD-HOM-A, SR-MD-HET, and SR-MD-SOIL
DR001	Discrepancy Resolution: Heterogeneous Debris
DR002	Discrepancy Resolution for Soils/Debris
DR003	Discrepancy Resolution: Inorganic Absorbents
DR005	Discrepancy Resolution. Radionuclides in Mound Waste Streams
DR006	Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET
DR007	Discrepancy Resolution. Drums in Waste Stream SR-MD-SOIL Containing Residual Liquids
DR008	Discrepancy Resolution with EPA Codes for of Waste Stream SR-MD-HOM-C
DR009	Acceptable Knowledge Source Document Discrepancy Resolution. MDL021377 Compacted Waste
DR010	Acceptable Knowledge Source Document Discrepancy Resolution. Drums Not S5000
DR015	Acceptable Knowledge Source Document Discrepancy Resolution Reassignment of Predominant Radionuclides for SR-MD-SOIL
DR017	Acceptable Knowledge Source Document Discrepancy Resolution - Waste Stream SR-MD-HOM-C Radiological Characterization
I001	Transuranic Waste Baseline Inventory Report 1995
I003	Milliwatt Surveillance Program Ensures RTG Safety and Reliability. The Actinide Research Quarterly.
I005	Waste Exam Log for RTR Tapes
I007	O.U.9 Site Scoping Report
I008	Drum Container Tables

Source Document Number	Title
I010	TRAMPAC Requirement Matrix by Drum
I011	EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code
I017	List of Drums /Date/Source/Operation/Misc./By
I018	Draft Mound Compliance with TRUPACT II
I019	Waste Characterization Services Report
I020	Spreadsheets of Waste from SRS Bill Nauman and Glen Siry
I021	Completion of Mound "Newly Generated Waste" TRU Waste Certification Program Evaluation
I023	Criticality Safety Evaluation for Mound RTG Storage DRAFT
I026	Predecisional Draft for the Semi-Works/Research (SW/R) Tritium Complex
I028	CERCLIS Memo
I030	Mound Lab Annual Report
I031	Plutonium Working Group Report on Environmental, Safety and Health Vulnerabilities Associated with the Departments Plutonium Storage Vol.2-App.B-Part 7
I032	Mound Heat Source
I033	Investigation Report No.74-13 Plutonium Off-site
I036	Mound Laboratory
I039	Transportation/Communication Plan 11/28/00 TRU Waste Shipment to SRS.
I042	Transmittal of Mound Waste Box Evaluation
I043	Mound Laboratory Fact Book
I044	Pu-238 Fuel Data Sheets
I045	TRU Waste Certification Task Sludge From the Waste Disposal Plant
I048	Regulatory Requirements Associated with Transfer of Mound's Transuranic Waste to Another DOE Site
I050	Support to DOE Mound- Building 38 Safety Analysis Report (SAR) and Technical Requirements (TSRs)
I057	R. M. Munson Memo to R.A. Neff of 2-1-85/Ohio EPA Proposed Law Suit
I063	On Site Handling, Repackaging, and Transportation of Nuclear Materials Located In SW-19 and R-127 (UCNI)
I066	Mound Transuranic Waste Feasibility Study
I067	Verification Methods Matrix
I070	Mound Site TRU Waste Data Preliminary TRUPACT II Transportation Compliance Evaluation
I072	1 S SRS Waste Acceptance Criteria Manual
I074	Container Approval Requests and Deviations for Shipments
I081	Material Type Codes
I082	Tables of TRU waste packages
I083	A-Line gloveboxes - Summary of characterization data
I084	Waste Category - TRU Boxes
I086	TRU Waste Box 558
I090	Operable Unit 9, Site Scoping Report: Volume 7 – Waste Management
I092	Go West Data Base From SRS
M001	Mound Site [Miamisburg] - United States Nuclear Forces Web Site-www.globalsecurity.org/wmd/facility/mound.htm
M002	Chemical Compatibility and Material List Data Requirements for TRUPACTII Authorized Payload Compliance Plan
M003	TRUPACT-II Shipment of Mound Pu-239 Material
M004	"Summary Report on Mound Boxes," E-mail to KellyCR@wipp.carlsbad.nm.us [Clint Kelley]
M006	Memo From DOE Ohio Field Office to EPA-Mr. Tony Martig, Re: PCBs in Oil

Source Document Number	Title
M012	Facsimile Transmittal to Glenn Siry, Re: Mound Facility-Background Volume STP FY00 Update
M014	Interview Notes
M015	Letter to R. L Wainwright, Area Manager, U. S. AEC, Re: Program to Reduce the Generation of Transuranium (TRU) Contaminated Solid Waste
M016	Letter to J.L. Hebb, Re: Status of Pu Waste and TRU Implementation
M017	E-mail to HERTFR@doe-md.gov, Re: Emailing: space-desc [Office of Space and Defense Power System]
M018	Letter to W.W. Hickman, Waste Management Manager, Aerojet Nuclear Co., Re: Shipment of Mound Laboratory's TRU Waste to the NRTS for Retrievable Storage
M025	Notes from a draft document [title not given]
M027	Mound Laboratory-Classified Document, Summary ADC Unclassified 4/1/03, Defense Processes at Mound
M029	Memo to W.P. Davis and T.C. Elswick, Re: SAND Boxes
M031	List of sources of TRU waste from Main-Hill Tritium (MHT) project
M034	Memo on 3 subjects 1) Use of Insta-Foam Froth Pak, 2) Equipment Removal, 3) Use of the Cardboard Liner in the FRP Box
M036	Specification Drum 55 gal. DOT-17C
M037	Change Notice of Offsite Packaging Criteria (IDO-10074) for Revised Metal Container Painting Requirements-RHB-263-81
M038	Specification- Drum 30 gal. DOT-17H, WMP-572005
M039	Specification-Container, Waste: DOT 7A Steel Box (MIII Bin), WMP-572010
M040	Letter to D.A. Edling, Re: "Idaho TRU Waste Criteria" with attached Letter to H.N. Hill and D. Ofte, Area Manages, DOE Dayton and Rocky Flat Area Offices, Re: "Revision of the Off-Site Packaging Criteria for Receipt of TRU Waste at the INEL RWMC
M041	Letter to R. K. Blauvelt, Re: "Change Notice of Offsite Packaging Criteria Report IDO-10074-RMS-61-81" and attached "Specification Sponge Rubber Gasket DOT 17C 55-Gallon Drum"
M042	Current Scope of Activities at Mound (a presentation)
M043	Letter to B.G. Twinning, Manager, AL, Re: Mound TRU Waste Shipments to INEL
M044	E-mail to DOE_OH.MOUND.Church Ronald, Re: Process Knowledge for Old SD Project
M052	E-mail to COLVRL, Re: Contaminated Precious Metals
M054	Letter to J.P. Hamric, Director, Nuclear Fuel Cycle Div. ID, Re: Packaging Criteria for TRU Waste Shipments to INEL
M055	Memorandum to D. Agnew, et. al., Re: WTS Line Removal Problems/Suggestions
M059	Mound MDL Numbers
M060	Request for Deviation to SRS Waste Acceptance Criteria Manual
M061	Sample and Analysis Plan-West Asphalt (SM/PP Hill) and Additional Documentation (See Document Summary for Additional Documentation Titles)
M062	R and SW Buildings Sampling & Analysis Plan, and Additional Documentation (See Document Summary for Additional Document Titles)
M063	Straight Bill of Lading. Shipper: U.S. DOE, c/o CH2M Hill Mound, Inc.
M064	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL
M065	Evaluation of Additional Containers for SRS-8 Waste Stream SR-MD-HET (Mound)
M076	Waste Stream Profile Form for IN-W174.1082, IN-W174.154, IN-W177.1083, IN-W177.156
M077	NDA Weight Percent Data Through Lot 3, SR-MD-SOIL
M078	Mound Radiological Data Dump from the SRS GoWest Database dated 07/08/2005
M079	Radiological Re-evaluation Data Analysis for SR-MD-SOIL

Source Document Number	Title
M080	Discrepancy Report D047A - Assessment Of Hazardous Waste Numbers Assigned To BN304 Waste Stream Profile, Mound Debris Stream
P001	Alpha Fuels Environmental Test Facility (Day 59)
P013	Assessment of the AWC TRU Clean Process for use on Mound Soils and Sediments
P015	Tools for Decontamination and Decommissioning of Nuclear Facilities
P016	Mound's Decommissioning Experience, Tooling, and Techniques
P017	The Mound Site Survey Project for the Characterization of Radioactive Materials in the Site Soils
P018	Reinvestigation of the January 1969 Plutonium-238 Waste Transfer Line Break
P020	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste
P021	Separation and Purification of Radioisotopes for Research
P023	Mound Facility Physical Characterization
P027	EG&G Mound Building 38 Accident Analysis of Internal (Operational) Events (Results and Findings)
P028	Mound Building 38 FSAR: Pu-239 Repackaging, Phase 1
P029	Building 50 Radioisotopic Thermoelectric Generator Assembly and Testing Facility Final Safety Analysis Report
P030	SW/R Complex Basis for Interim Operations
P034	Estimated Discard Limits for Plutonium-238 Recovery Processing in the Plutonium Processing Building
P036	Hazard Evaluation of the Special Metallurgical (SM) Building at Mound Laboratory
P037	Building WDA, Room 10 Glovebox Removal Wall Removal, Characterization, and Cleanup
P040	Executive Summary of TRU Waste at Mound
P041	Technical Manual. TRU Waste Management
P044	FSAR Building 38 *******UCNI*******
P045	Waste Disposal Facility Auditable Safety Analysis
P048	Vent TRU Drums in CWPF
P049	TRU Drum Venting Fact Sheet and TRU Drum Venting System Pre-Operational Process Hazards Review
P050	TRU Waste Drum Venting and Purging System
P051	The Use of Urethane Foam in the Decontamination and Decommissioning of Nuclear Facilities
P053	Ten Year Plan for Decontamination and Decommissioning for Mound
P054	Mound Site Radionuclides by Location Issue 1-3
P055	A Summary Review of Mound Laboratories Experience in D&D of Radioactive Facilities
P056	Decontamination and Decommissioning Projects Findings of No Significant Impact
P057	D&D Operations Procedures
P058	Mound Site Waste Management Reports and Site Plans 1977-1980
P061	Siting Criteria Document
P063	Mound Site Waste Management Reports and Site Plans 1972 to 1976
P064	Mound Site Waste Management Reports and Site Plans 1981 to 1989
P065	Mound WIPP Certification Program for Newly Generated Contact Handled (CH) Transuranic Waste
P066	Maps Site Plans
P067	Revised U-233 Re-Pack Project
P070	Mound Laboratory Annual Report CY 1974
P072	Final Safety Analysis Report for the SW/R Tritium Complex
P073	On Site Transportation and Handling of Radioactive and Hazardous Materials
P076	USERS Handbook: Waste Accountability Shipping and Packaging (issue 14 is inactive).
P078	Mound Plant Waste Acceptance Criteria

Source Document Number	Title
P079	Management of Hazardous Waste, Radioactive Mixed Waste, Trash and Recyclable Metals
P081	Approved Site Treatment Plan for Mixed Wastes at the Mound Facility
P086	Mound Laboratory Environmental Plutonium Study
P095	List and directory of chemicals and MSDS sheets
P096	1996 and 1998 Chemical Inventory and 1991 Carcinogen list
P097	An Early History of U.S. Radioisotope Thermoelectric Generators
P098	Verification Reports
P099	WD Soil Removal Project
P100	Mound Quality Control Plan for the Control of Radioactive Waste
P105	Revision of the Off-Site Packaging Criteria for Receipt of Transuranic Waste at the INEL RWMC
P109	US Department of Transportation Exemption for the ATMX Railcar
P111	Site Treatment Plan for the Mixed Wastes at the Mound Facility Miamisburg, Ohio, Background and Plan Volumes
P115	1st 8 Shipments of Uniform Hazardous Waste Manifest
P116	Nuclear Power in Space
P117	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Boxes
P120	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Drums
P121	SRS Waste Acceptance Criteria Manual, 1S, E-Area TRU Pads Transuranic Waste Acceptance Criteria
P122	Acceptable Knowledge Summary for Solidified Acid/Caustic Waste (BN835)
P123	Acceptable Knowledge Document for INL Stored Transuranic Waste – Mound Plant Waste
P124	Absorbing Containerized Liquids
P125	Shipment Preparation for TRU Containers to SWMF
P126	Absorbing Containerized Liquids
P127	Transuranic (TRU) Waste Repackaging in H-Canyon
P128	F Canyon Container Transfer
P129	Standard Waste Box Operations
U001	2990 Information on Shipments to SRS
U002	Trash Categories/Content Codes and Waste Categories
U003	List of Chemicals and Materials in TRU Waste Content Codes
U007	Content Code Assessments for INEL Contact Handled Stored TRU Waste
U015	Memorandum to E.L. Albenesius, Re: Description of Mound and LASL Sold ^{238}Pu Waste Stored at SRP
U018	UGL Action Memo-Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building
U019	Waste Management Instruction-Packaging of Highly Contaminated Soil from PRS 438
U020	2990 Information for Additional Containers

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-RH-SDD.01						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC18900008989	
(4) Technical contact: Laura Nelson					(5) Technical contact phone number: 303-843-2269	
(6) Date of audit report approval by New Mexico Environment Department (NMED):						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001 *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Revision 21, May 31, 2013 CCP-PO-002 *CCP Transuranic Waste Certification Plan,* Revision 27, May 31, 2013 CCP-PO-004, *CCP/SRS Interface Document,* Revision 34, August 29, 2013 CCP-AK-SRS-630, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste Waste Stream SR-RH-SDD.01*, Revision 1, September 26, 2013						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-RH-SDD.01					(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste					(13) Waste Stream Name: SR-RH-SDD.01 Need Summation of Aspects	
(14) Description from the ATWIR: This waste stream is comprised exclusively of three plutonium-beryllium neutron sources.[1]						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH		RH	X		
(17) Number of SWBs NA (17a) Number of SLB2 NA	(18) Number of Drums NA				(19) Number of Canisters 1[2]	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: None						
(22) Applicable TRUCON Content Numbers: SR320						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-630 Revision 1, September 26, 2013, Figures 1 and 2						
(23B) Facility mission description: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.7						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.3						
(23E) Types and quantities of waste generated: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.2						
(24) Waste certification procedures: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.8						

COPY

(25) **Required Waste Stream Information**			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.7			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste See Table entitled "Waste Stream SR-RH-SDD.01 Waste Material Parameters" of the Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) **Supplemental Documentation**:			
(27A) Process design documents: See P001 in Summation of Aspects of AK Summary Waste Stream Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27B) Standard operating procedures: See P002 and P003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27C) Safety Analysis Reports: NA			
(27D) Waste packaging logs: See U001 and U002 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27E) Test plans/research project reports: See P001 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27F) Site databases: See U003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27G) Information from site personnel: See C001 and C002 in Summation of Aspects of AK Summary Report : Waste Stream SR-Rh-SDD.01, Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C001 and U003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27J) Material safety data sheets: NA			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
Attachment 2 – CCP Waste Stream Profile Form (Continued)			
(28)	Radiography: NA		
	Visual Examination: CCP-TP-163 *CCP Evaluation of Waste Packaging Records for Visual Examination of Records* Revision 4 June 18, 2013 CCP-TP-500 *CCP Remote-Handled Waste Visual Examination* Revision 11 April 21, 2011		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.
Reviewed by AK Expert: YES ☐ Date:_____ **Reviewed by STR (if necessary):** YES ☐ N/A ☒ Date:_____
Waste Stream Profile Form Certification:
I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.
Signature of Site Project Manager _____ Printed Name _____ Date _____

Notes:

1. The waste stream description was taken from Section 2.0 of CCP-AK-SRS-630 Rev. 1 because the waste stream is not in the latest revision of the ATWIR.
2. This waste stream consists of 2 15 gallon drums and 1 16 gallon drum and will be shipped to WIPP using a NS-15 neutron shielded canister in a 72B cask.

DIVIDER PAGE

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-RH-SDD.01

Lot 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

RTR/VE Summary of Prohibited Items and AK Confirmation..... 004

Reconciliation with Data Quality Objectives..... 005

CCP Characterization Information Summary Cover Page

Waste Stream # SR-RH-SDD.01 Lot #: 1

AK Expert Review: Kevin Peters Date:

SPM Review: Laura Nelson Date:

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Visual Examination (VE)

CCP-TP-500	Rev. 12	07/18/13	CCP Remote Handled Waste Visual Examination

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 21	06/06/13	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 26	06/19/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-005	Rev. 26	08/12/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 25	06/19/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-530	Rev. 11	06/19/13	CCP RH TRU Waste Certification and WWIS Data Entry
CCP-TP-530	Rev. 10	04/25/11	CCP RH TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 21	05/31/13	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-004	Rev. 34	08/29/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 33	06/19/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/TRU Waste Processing Center/SRS Interface Document

WAC Certification:

CCP-PO-002	Rev. 27	05/31/13	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-SDD.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SDD076307	NA	NA	NA	SRSRHVE13001	
SDD076309	NA	NA	NA	SRSRHVE13001	
SDD076308	NA	NA	NA	SRSRHVE13001	

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-SDD.01 Lot #: 1

Container Number	RTR Prohibited Items [ab]	Visual Examination Prohibited Items [ab]	Does the Physical Form of the Waste
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	RTR was not used to certify any containers in this lot.	None of the containers in this Lot had prohibited items identified during Visual Examination technique.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-SDD.01			

Site Project Manager Signature

Laura Nelson
Printed Name Date

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-SDD.01 Lot # 1

Sampling Completeness

VE
Number of Valid Samples: 3 Number of Total Samples Analyzed: 3
Percent Complete: NA (QAO is 100%)

RTR
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: 100 (QAO is 100%)

NDA
Number of valid samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is 100%)

	Y/N/NA	Reconcilliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
7	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
8	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
9		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	NA	NA	NA
VE	Y	Y	Y

Comments: N/A

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

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SUMMATION OF ASPECTS OF AK SUMMARY REPORT: WASTE STREAM SR-RH-SDD.01

Overview:

Waste stream SR-RH-SDD.001 consists of Remote Handled (RH) transuranic (TRU) plutonium-beryllium neutron sources generated from the Building 777-10A Physics Laboratory at the Savannah River Site (SRS). The mission of the Physics Laboratory was to house experimental research reactors used to support the development of the technology used during the production of nuclear materials (tritium and plutonium) by the SRS production reactors.

SRS was an integral part of the DOE weapons complex between 1942 and 1992. The subject sources were used to support three research/test reactors in the Physics Laboratory during this period. The Physics Laboratory and sources provided a means to study in detail the operation and performance of production type reactors with easy access and full safety for personnel. The sources were an essential part of the research phase for DOE and the production of nuclear weapons during the Cold War era (Reference C002). TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one of the atomic energy defense activities listed in 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982* (NWPA). The neutron sources used in Physics Laboratory operations directly supported defense nuclear materials productions (tritium and plutonium production) and defense research and development (production reactor technology development) (References C002, P001, P002, and U002).

This Summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-RH-SDD.01, Rev. 0 for mixed heterogeneous debris waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-630, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Physics Laboratory Sealed Sources, Waste Stream: SR-RH-SDD.01*, Revision 1, dated September 26, 2013.

Waste Stream Identification Summary:

Waste Stream Name:	Building 777-10A Physics Laboratory Neutron Sources
Waste Stream Number:	SR-RH-SDD.01
Dates of Waste Generation:	Removed from Building 777-10A in 2002
Waste Stream Volume – Current	2 15-gallon drums 1 16-gallon drums
Waste Stream Volume – Projected	None
Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400
RH TRU Waste Content Codes:	SR 320
Annual Transuranic Waste Inventory Report Identification Number:	SR-RH-SDD.01

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Waste Stream Description and Physical Form:

Waste stream SR-RH-SDD.01 is comprised exclusively of three plutonium-beryllium neutron sources in stainless steel special form capsules (SFCs) packaged in 15- and 16-gallon cans with wood bracing. The plutonium-beryllium source material in each source is contained in a sealed inner stainless steel capsule inside an outer sealed stainless steel capsule. This capsule was placed into an aluminum sleeve/holder tube. The sources have been placed into stainless steel SFCs designed and constructed specifically for these larger neutron sources (References U001 and U002).

Waste Stream SR-RH-SDD.01 meets the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) and the *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) waste stream definitions. The waste is similar in material, physical form, hazardous constituents (no hazardous constituents), and radiological properties (plutonium-beryllium neutron sources) and generated from a single process or activity (Physics Laboratory production reactor research).

Point of Generation:

Location

Waste stream SR-RH-SDD.01 was generated at the Savannah River Site in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-RH-SDD.01 was generated at the Building 777-10A Physics Laboratory.

Generating Processes:

Description of Waste Generating Processes

The experimental reactors in the Physics Laboratory played an important role in the operation of heavy water moderated production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December of 1953. In the summer and fall of 1953, the experimental reactors in the Physics Laboratory were essential for the study of the Savannah River production reactor design and operation, as well as for the calibration of various standards and monitoring devices required by the reactors. Even though this was the most important of the many uses of Physics Laboratory over the years, the building and its experimental reactors were associated with almost every major aspect of the use and improvements made to the Savannah River production reactors, from 1953 until the basic perfection of the production process in the 1970s (Reference P001).

For most of its existence, the Physics Laboratory was controlled and operated by the Savannah River Laboratory, which oversaw the physics required in the operation and improvements to the production reactors. For this reason, the Physics Laboratory was identified as 777-M, reflecting its ties to both the 700-Area and M-Area, dedicated to manufacturing fuel and target elements. This designation suggests the uniqueness of the building and its function. In fact, the building kept this designation until the early 1980s, when a change in mission required a change in the designation, from 777-M to 777-10A. At that time, reactor work was phased out, and much of the building was adapted for audio-visual work at Savannah River (Reference P001).

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The Physics Laboratory was known as the home of Savannah River's experimental reactors. By the 1970s, the building had a total of five experimental reactors: the Process Development Pile; the Standard Pile; the adjoining Exponential Pile or Subcritical Experiment; the Pressurized Exponential Pile; and the Resonance Test Reactor, later renamed the Lattice Test Reactor. The most important of these, however, were the first three. Of these three, the Process Development Pile, a full-scale nuclear mock-up of the heavy water moderated production reactors at Savannah River, was the most significant. The Process Development Pile provided researchers with the opportunity to study the physics of the production reactors and their fuel and target assemblies without having to impede production, and without the radiation problems associated with the production reactors (Reference P001).

There were a number of instruments surrounding the Process Development Pile that were important for its operation and control. Many of these were monitoring instruments, such as the ten boron-coated ion chambers and the twenty-one health monitors. Other important pieces of equipment inside the Process Development Pile tank were the vertical and horizontal traveling monitors that measured neutron flux (Reference P001).

Early start-up of the Process Development Pile at the Physics Laboratory was essential to address specific issues anticipated prior to the start up of the R Reactor. Addressing the physics questions in the Process Development Pile would allow the production reactors to operate at higher power more quickly. The specific early objectives included (Reference P001):

- Establishment of a specific loading pattern for the production reactors,
- Establishment of the limits of safe operation, and
- Establishment of the methods of initial operation for the production reactors

As part of the final outfitting of the Process Development Pile, an order was placed for three polonium-beryllium neutron source rods in January of 1953. Two of these rods were for the Process Development Pile, with the third set aside for instrument checks. Beginning with this order and continuing for almost three decades, one or two new neutron sources would be required every year in the Physics Laboratory (Reference P001).

Since the Process Development Pile operated at very low power, there was no need for a large neutron source. There were initially only two polonium-beryllium neutron sources, which would normally be placed near the center of the tank. Each source emitted 2×10^7 neutrons per second. The source rods were either in the Process Development Pile when in use, or they were stored in a cylindrical can filled with a boron carbide-paraffin (Reference P001).

Waste Stream Material and Chemical Inputs

Waste stream SR-RH-SDD.01 consists exclusively of neutron sources packaged in SFCs.

RCRA Determinations

Historical Waste Management

The neutron sources were not removed from the Physics Laboratory until 2002 where they were maintained in a reactor or discrete storage areas. Since that time, SRS has managed the sources as non-hazardous waste. This determination is supported by the manufactures documentation and corresponding characterization of these type of sources managed by the Off-Site Source Recovery Project (OSRP). Review of the AK documentation verifies that these sources do not contain or have not been mixed with *Resource Conservation and Recovery Act* (RCRA) hazardous waste constituents (References U001 and U002).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Sealed sources constitute closed systems (solid isotopic sources sealed in a metal jacket or casing) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable, reactive, or corrosive. Therefore, the waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in 40 CFR 261, *Identification and Listing of Hazardous Waste, Subpart D.*

Ignitability

A solid waste exhibits the characteristic of ignitability as defined in 40 CFR 261.21 if it has any of the following properties: 1) It is a flammable liquid (flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter).

Waste stream SR-RH-SDD.01 does not meet the definition of ignitibility as defined in 40 CFR 261.21. Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable. The sources will not cause fire through friction, absorption of moisture, or spontaneous chemical changes. The sources are not compressed gases or oxidizers. Visual examination (VE) of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned U.S. Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) D001 for ignitability (References U001 and U002).

Corrosivity

A solid waste exhibits the characteristic of corrosivity as defined in 40 CFR 261.22 if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year.

Waste stream SR-RH-SDD.01 does not meet the definition of corrosivity as defined in 40 CFR 261.22. Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be corrosive. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D002 for corrosivity (References U001 and U002).

Reactivity

A solid waste exhibits the characteristic of reactivity as defined in 40 CFR 261.23 if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is

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capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173, *Shippers – General Requirements for Shipments and Packagings*.

The sources in waste stream SR-RH-SDD.01 are manufactured items that are stable and will not undergo violent chemical change. The sources will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The sources do not contain cyanides or sulfides, and are not capable of detonation or explosive reaction. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D003 for reactivity (References U001 and U002).

Toxicity Characteristic

Based on a review of the manufacturer's documentation and supporting AK documentation, this waste stream does not exhibit the characteristic of toxicity per 40 CFR 261.24. Analytical data on typical source jacket material (stainless steel and silver solder which is 85 percent silver and 15 percent manganese) do not exceed the toxicity characteristic leaching procedure concentrations that would meet the RCRA characteristic of toxicity for metals. Therefore, no EPA HWNs are assigned to waste stream SR-RH-SDD.01 for toxicity characteristic metal or organic compounds (References U001 and U002).

Listed Waste

F-Listed Waste

This waste stream is not mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31. SRS has not identified any F-listed hazardous constituents in this waste, and review of AK documentation found no potential source of any spent solvents used in the process that could contaminate the waste. The waste stream consists only of neutron sources in SFCs. Therefore, no F-listed EPA HWNs are assigned to waste stream SR-RH-SDD.01 (References U001 and U002).

K-Listed Waste

Waste stream SR-RH-SDD.01 does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32. Therefore, waste stream SR-RH-SDD.01 is not assigned a K-listed HWN.

P- and U-listed Wastes

Waste stream SR-RH-SDD.01 does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. The waste does not contain or is not mixed with hydrofluoric acid. Therefore, EPA HWN U134 is not assigned to the waste stream. These plutonium-beryllium neutron sources contain beryllium in a mechanically bonded form in each of the three sources. Based on the manufactures specifications and total waste weight (sources plus SFCs and wood bracing) the beryllium will not exceed one weight percent in any of the waste drums ranging from 0.30 percent to 0.40 percent, and therefore will not be present in amounts greater than one percent in the NS15 neutron shielded canister (Reference C003). The physical form of the beryllium is typically powder or sintered solid. However, the EPA has concurred that beryllium-

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containing sealed sources are not P-listed because the beryllium is not a sole active ingredient. Therefore, waste stream SR-RH-SDD.01 is not assigned a P- or U-Listed EPA HWN (References U001 and U002).

Polychlorinated Biphenyls

This waste stream does not contain polychlorinated biphenyls (PCBs) greater than 50 parts-per-million and is therefore not regulated as a *Toxic Substances Control Act* waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions*. Review of the source documentation verifies the absence of PCB materials in the sources and that the sources are strictly inorganic and do not contain organic materials. VE of records and VE during repackaging was performed to ensure that PCB materials were not introduced into the waste drums (References U001 and U002).

Prohibited Items

Based on a review of the manufacturers and AK documentation, waste stream SR-RH-SDD.01 does not contain prohibited items, including; compressed gases, liquids, non-radionuclide pyrophorics, sealed containers greater than four liters, or explosives. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums (References U001 and U002).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The waste material parameters (WMPs) for the waste stream were estimated by using manufacturer's information relating to the materials of construction associated with the three neutron sources, the OSRP estimates relating to the physical size and composition of the SFCs to be placed into the waste drums, and waste packaging (wooden bracing) included during repackaging of the sources. Based on this assessment only the following WMPs are present in the waste stream: iron based metals/alloys (stainless steel SFC, inside and outside source capsules), aluminum based metals/alloys (aluminum source sleeve/holder), other metals (plutonium and beryllium) and cellulosics (wood bracing). The WMP weights were assessed and an average was determined that was applied to the waste stream. The results of the assessment are presented in table Waste Stream AERHDM Waste Material Parameters (References C003 and U002). This evaluation does include the wood bracing included during the final transfer and repackaging of the sources into the final waste containers (Reference C003 and U004).

Waste Stream SR-RH-SDD.01 Waste Material Parameters

WMP	Average Weight Percent	Weight Percent Range*
Iron-based Metals/Alloys	47.6 %	42.7 – 52.7 %
Aluminum-based Metals/Alloys	1.4 %	1.2 – 1.5 %
Other Metals	0.4 %	0.4 – 0.5 %
Other Inorganic Materials	0.0 %	0.0 – 0.0 %
Cellulosics	50.6 %	45.3 – 55.6 %
Rubber	0.0 %	0.0 – 0.0 %
Plastic (waste materials)	0.0 %	0.0 – 0.0 %
Inorganic Matrix	0.0 %	0.0 – 0.0 %
Organic Matrix	0.0 %	0.0 – 0.0 %
Soils/Gravel	0.0 %	0.0 – 0.0 %
Total Inorganic Waste Ave.	**49.4 %**	
Total Organic Waste Ave.	**50.6 %**	

List of AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

As described above, beryllium will not exceed 1% by weight of the waste in any payload container.

Radionuclide Information

An initial estimate of the radiological content of the three sources was performed during the OSRP effort to package the SRS Physics Laboratory sources in SFCs. The purpose of the characterization was to evaluate the packaging configurations planned during the OSRP source recovery effort at SRS. The primary document used for the characterization of the three sources in waste stream SR-RH-SDD.01 was a drawing produced by Monsanto Research Corporation, which includes (Reference C001):

- Source serial numbers
- Physical dimensions
- Grams of plutonium oxide and beryllium used in each identified source
- Isotopic distribution within the plutonium oxide used for source construction

Using the data from this drawing, the initial content of the sources was estimated. The initial content was then decay corrected using the commercial decay correction package RADDECAY. Radionuclides present in the predicted decayed inventory were selected based on the potential for contribution to 95 percent of total activity in the source. No attempt was made to estimate the activity of activation or decay products, including Sr-90, Cs-137, or Co-60. Each

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radionuclide reported in the characterization is identified in the table Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01 (Reference C001).

Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01

	Source M029		Source M044		Source M045	
Radionuclide	**Curies**	**Grams**	**Curies**	**Grams**	**Curies**	**Grams**
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06
Totals	**6.61E+01**	**1.90E+01**	**2.48E+01**	**6.56E+00**	**3.42E+01**	**9.05E+00**

The data was normalized and converted to percentages of the total mass and activity. The result of this calculation is presented in the table Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01 (References C001 and U003).

Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01

Radionuclide	Relative Weight Percent	Relative Activity Percent	Expected Present (Yes/No)
WIPP Radionuclides			
Am-241	4.65%	4.39%	Yes
Pu-238	13.97%	65.72%	Yes
Pu-239	60.78%	1.04%	Yes
Pu-240	10.96%	0.69%	Yes
Pu-242	3.83%	<0.01%	Yes
U-233	<0.01%	<0.01%	Yes
U-234	4.62%	0.01%	Yes
U-238	<0.01%	<0.01%	Yes
Cs-237	Not Reported		Yes
Sr-90	Not Reported		Yes
Additional Radionuclides			
Pa-233	<0.01%	<0.01%	Yes
U-237	<0.01%	<0.01%	Yes
Np-237	0.18%	<0.01%	Yes
Pu-241	1.00%	28.15%	Yes
Totals	**100.00%**	**100.00%**	

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Tracking Number	Title
C001	Characterization of Sources from Savannah River Plant
C002	Memo to J. McAlpin from T.J. Feske re: Pu-Be Sources - 777-10A
C003	Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation
P001	Historic American Engineering Record – Physics Assembly Laboratory
P002	Decommissioning the Physics Laboratory, Building 777-10A, at the Savannah River Site (SRS)
P003	NS15 Neutron Shielded Canister
U001	Container Paperwork for Waste Stream SR-RH-SDD.01
U002	Miscellaneous Pu-Be Neutron Source Documentation and Specifications
U003	Reported Radionuclide Evaluation Tables for Waste Stream SR-RH-SDD.01
U004	Miscellaneous Neutron Source Repackaging Photographs

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Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-RH-221H.01						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Laura Nelson					(5) Technical contact phone number: 303-843-2269	
(6) Date of audit report approval by New Mexico Environment Department (NMED): September 16, 2013						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001 *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Revision 21, May 31, 2013 CCP-PO-002 *CCP Transuranic Waste Certification Plan,* Revision 27, May 31, 2013 CCP-PO-004, *CCP/SRS Interface Document,* Revision 34, August 29, 2013 CCP-AK-SRS-600, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste: Waste Stream SR-RH-221H.01*, Revision 1, November 27, 2012						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-RH-221H.01					(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste					(13) Waste Stream Name: HBL Heterogeneous RH Debris	
(14) Description from the ATWIR: This waste stream is defense related, remote handled TRU waste and is composed of dry heterogeneous organic and inorganic debris.						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH		RH	X		
(17) Number of SWBs NA (17a) Number of SLB2 NA	(18) Number of Drums NA				(19) Number of Canisters 6[1]	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F005, U133						
(22) Applicable TRUCON Content Numbers: SR321, SR322, SR325						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-600, Revision 1, November 27, 2012 Figures 1, 2 and 3						
(23B) Facility mission description: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.7						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.3						
(23E) Types and quantities of waste generated: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.2						

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(24) Waste certification procedures: CCP-TP-530 CCP RH TRU Waste Certification and WWIS Data Entry Revision 11, June 19, 2013			
(25) **Required Waste Stream Information**			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.7			
(25D) Waste Process flow diagrams: CCP-AK-SRS-600 Revision 1, November 27, 2012 Figures 8,9, 10, 11, 12, and 13			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See Table entitled "Waste Stream SR-RH-235F.01 Waste Material Parameters" in the Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) **Supplemental Documentation**:			
(27A) Process design documents: See D021, D026, D048, D049, D052, D054, D055, D058, D061, D115, D120, M061, in Summation of Aspects of AK Summary Report : Waste Stream SR-RH-221H.01, Source Documents			
(27B) Standard operating procedures: See C055, C063, C071, D018, P001, P003, P004, P007, P007A, P014, P015, P016, P018, P022, P023, P024, P025, P026, P027, P031, P033, P034, P037, P038, P042, P045, P046, P047, P048, P049, P050, P051, P052, P054, P055, P056, P057, P058, P059, P061, P062, P063, P064, P067, P069, P070, P072, P073, P076, P077, P078, P081, P082, P083, P084, P088, P089, P090, P091, P092, P093, P094, P096, P101, P103, P104, P105, P106, P107, P108, P109, P110, P111, P112, P113, P119, P120, P121, P122, P125 In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27C) Safety Analysis Reports: See D003, D009, D020, D030, D056, D116, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27D) Waste packaging logs: See D015, D034, D052, M014, M015, M023, M027, M066, M115, M125, M127, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27E) Test plans/research project reports: See D019, D043, D046, D053, D090, D098, D108, D114, D127, M131 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27F) Site databases: See M052, M056, M066, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27G) Information from site personnel: See C088, C090, C091, C093, C094, C098, C104, C105, C116, C136, C146, C150, C152, C156, C157, C158, C164, C165, C178, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27H) Standard industry documents: See C045, C046, C047, C048, C054, C129, C161, C162, D035, D037, D038, in Summation of Aspects of AK Summary Report :Waste Stream SR-RH-221H.01, Source Documents			

(27I) Previous analytical data: See D005, D005A, D050, D060, M014, M015, M030, M099, M115, M125, M127, M169, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents.
(27J) Material safety data sheets: See M051, M134 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents.
(27K) Sampling and analysis data from comparable/surrogate Waste: NA
(27L) Laboratory notebooks: See M012, M058, M063, M073, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents
Confirmation Information
Attachment 2 – CCP Waste Stream Profile Form (Continued)

(28)	Radiography: CCP-TP-053 *CCP Standard Real-Time Radiography (RTR) Inspection Procedure* Revision 14, September 25, 2013
	Visual Examination: NA

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES ☐ **Date:**_____

Reviewed by STR (if necessary): YES ☐ N/A ☒ **Date:**_____

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date

1. There are 16 55-gallon drums currently identified in the waste stream and will be shipped to WIPP in 6 72B casks.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-RH-221H.01

Lot 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

RTR/VE Summary of Prohibited Items and AK Confirmation..... 004

Reconciliation with Data Quality Objectives..... 005

CCP Characterization Information Summary Cover Page

Waste Stream # SR-RH-221H.01 Lot #: 1

AK Expert Review: Kevin Peters Date:

SPM Review: Laura Nelson Date:

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Real-Time Radiography (RTR)

CCP-TP-053	Rev. 14	09/25/13	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 13	05/14/13	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Visual Examination (VE):

NA	NA	NA

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 21	06/06/13	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 26	06/19/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-005	Rev. 26	08/12/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 25	06/19/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-530	Rev. 11	06/19/13	CCP RH TRU Waste Certification and WWIS Data Entry
CCP-TP-530	Rev. 10	04/25/11	CCP RH TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 21	05/31/13	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-004	Rev. 34	08/29/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 33	06/19/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/TRU Waste Processing Center/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-221H.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SR526226	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR522331	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513955	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513961	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR526224	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR545535	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526264	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526263	NA	SRSRHSTC12002	SR4RTR0248	N/A	
SR526227	NA	SRSRHDTC12001	SR4RTR0248	NA	
SR526225	NA	SRSRHDTC12003	SR4RTR0249	N/A	
SR522989	NA	SRSRHDTC11003	SR4RTR0249	NA	
SR570547	NA	SRSRHDTC11003	SR4RTR0196	N/A	
SR570548	NA	SRSRHDTC11003	SR4RTR0196	NA	
SR570546	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR570545	NA	SRSRHDTC12001	SR4RTR0220	NA	
SR503513	NA	SRSRHDTC12003	SRLBR0079	NA	

Signature of Site Project Manager

Laura Nelson
Printed Name Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-221H.01 Lot #: 1

Container Number	RTR Prohibited Items [a]	Visual Examination Prohibited Items [a]	Does the Physical Form of the Waste Match the Waste Stream Description as Determined by AK
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this Lot had prohibited items identified during Real Time Radiography Examination.	Visual Examination technique was not used on any of the containers in this Lot.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-221H.01.			

Site Project Manager Signature

Laura Nelson
Printed Name Date

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

Sampling Completeness

VE

Number of Valid Samples: NA Number of Total Samples Analyzed: NA

Percent Complete: NA (QAO is 100%)

RTR

Number of Valid Samples: 16 Number of Total Samples Analyzed: 16

Percent Complete: 100 (QAO is 100%)

NDA

Number of valid samples: NA Number of Total Samples Analyzed: NA

Percent Complete: NA (QAO is 100%)

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

	Y/N/NA	Reconcilliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

6	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
7	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
8	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
9		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections B3-2 through B3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA

Comments: N/A

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

SUMMATION OF ASPECTS OF AK SUMMARY REPORT: WASTE STREAM SR-RH-221H.01

Overview:

Waste stream SR-RH-221H.01 consists of Remote Handled (RH) transuranic (TRU) heterogeneous debris waste generated from the HB-Line (HBL) and H-Canyon at the Savannah River Site (SRS). The primary function of H-Canyon has been the chemical separation of the Np-237 and Pu-238 from old SRS reactors and from uranium and plutonium scrap material received from off-site sources for dissolution and recycle to canyon facilities. The HBL also receives plutonium and neptunium solutions and converts them to solid oxides.

The primary mission of the HBL, beginning as early as 1954, was to produce Pu-239 for use in the assembly of atomic weapons. By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. The HBL mission, therefore, meets criteria as an atomic energy defense activity (i.e., support of defense nuclear materials production and defense research and development).

This Summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-RH-221H.01, Rev. 0 for mixed heterogeneous debris waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-600, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Remote-Handled Waste, Waste Streams: SR-RH-221H.01, SR-RH-221H.02*, Revision 1, November 27, 2012.

Waste Stream Identification Summary:

Waste Stream Name:	HBL Heterogeneous RH Debris
Waste Stream Number:	SR-RH-221H.01
Dates of Waste Generation:	July 1977 to November 1990
Waste Stream Volume – Current:	16 55-gallon drums[1]
Waste Stream Volume – Projected:	None[1]
Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400
RH TRU Waste Content Codes:	SR321, SR 322, and SR 325
Annual Transuranic Waste Inventory Report Identification Number:	SR-RH-221H.01

1. Even though no additional drums are expected to be added to RH waste stream SR-RH-221H.01, any container from Contact-Handled (CH) waste stream SR-W027-221H-HET determined to be RH waste could be included in this waste stream. One drum has been added since Revision 1 of CCP-AK-SRS-600.

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Waste Stream Description and Physical Form:

Waste stream SR-RH-221H.01 includes dry heterogeneous organic and inorganic debris. The organic debris includes plastic (e.g., bottles), bags, personal protective equipment (PPE) (e.g., gloves, shoe covers, lab coats, plastic suits), plexiglas, wipes, labware, cardboard, wood, absorbed oil, paper, and other job control type waste. "Job control" waste generally consists of paper, cloth, wood, plastic, rubber, glass, ceramic, and metal. The waste may also include small amounts of inorganic debris such as metal components (e.g., hand tools, motors, small equipment), metal hardware and fittings, sealed sources, crucibles, glass, floor sweepings, and absorbent materials. In addition, small quantities of poly bottles (100-milliliters [ml], 500-ml, 2-liter) containing immobilized liquids (e.g., absorbed acids and organic liquids) are also present. Examples of container-specific waste items described on generator and packaging forms:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners
- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as high efficiency particulate air (HEPA) filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Waste Stream SR-RH-221H.01 meets the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) and the *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (HBL facility operations and associated maintenance and deactivation operations).

Point of Generation:

Location

Waste stream SR-RH-221H.01 was generated at SRS in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-RH-221H.01 was generated at the HBL in the H-Canyon separations facility located in the 200-H Area.

Generating Processes:

Description of Waste Generating Processes

HBL has consisted of three major operations in both the Old and New HB-Lines: Scrap recovery, Neptunium Oxide production, and Plutonium Oxide production. The New HB-Line also has a laboratory that generated TRU waste (References C063, C066, D005, D054, D099, D113, D116, M069). HBL generates TRU waste containing plutonium and neptunium during the use of gloveboxes, contamination control huts, and from decontamination processes. TRU waste containing Pu-238, Np-237, Pu-239, and other radionuclides was also generated during decontamination operations, replacement of equipment, maintenance, inspection, and sampling (Reference D034).

Old HB-Line Waste Generating Processes

The Old HB-Line operated from 1963 to 1984 producing Pu-238 material for National Aeronautics and Space Administration (NASA) programs as well as defense-related materials. It was designed to receive radionuclides in dilute acid (e.g., nitric acid) solutions from the fuel reprocessing canyon, precipitate them as oxalates, and then calcine them in a furnace to a solid oxide form (References D004, D062). In addition to Pu-238 and Np-237, the facility processed Pu-239, U-233, and U-235 (References D004, D095). The Old HB-Line had three distinct facilities to process Np-237, Pu-238, and recoverable scrap material (References C093, D052).

Dissolution of these materials in the H-Canyon involved fuel elements and assemblies being transported from the storage area or directly from cask cars, charged to the dissolver, and dissolved in nitric acid solution to provide an aqueous solution suitable for subsequent processing and separation steps. Typical dissolution included uranium metal with aluminum clad slugs, uranium-aluminum alloy fuel, and zirconium and stainless steel clad fuels (Reference D124).

Scrap Recovery Process

The Scrap Recovery Process recovered U-235, Pu-238, and Np-237 from local and off site scrap by dissolving the scrap and transferring the solution to the canyon for reprocessing (Reference D052). The recovery process normally consisted of opening and examining contents of scrap containers, removing extraneous materials, screening, size reduction, oxidation, leaching, and dissolution (Reference D052). Precipitation and ion exchange capabilities are also available. Solutions may require diluting to obtain nitrate solutions suitable for further processing (Reference D019).

The scrap was inspected and extraneous material removed. The scrap was then weighed and pulverized for dissolution. The material was manually added to the dissolver, which contained nitric acid, potassium fluoride and aluminum nitrate (References D006, P105). The dissolver solution was then filtered and analyzed for Pu-238 prior to reprocessing. Insoluble material in the filter boat was either recycled or discarded depending upon its plutonium content. U-235, Pu-239, and Np-237 were recovered from scrap consisting mainly of uranium, plutonium, and neptunium oxides of various compositions. The scrap is weighed and added to a solution of nitric acid/potassium fluorine (potassium fluoride/aluminum nitrate (References D006, P038).

The solution was cooled, filtered, sampled, and analyzed for U-235 and Pu-239 prior to reprocessing.

Scrap was occasionally received with a significantly different composition than that normally processed. Non-routine scrap required a special evaluation to determine a safe recovery procedure. Examples of special recovery scrap processed in HBL include scrap containing molybdenum, zirconium, or beryllium. Molybdenum scrap was dissolved with ferric nitrate. Scrap containing zirconium metal or alloy was processed with fluoride (Reference D006).

Neptunium Process

The Neptunium Process received Np-237 solution separated by canyon operations in F and H Areas. The process purified and concentrated the neptunium solutions using anion exchange, precipitation, and calcination. The product was ultimately incorporated in new reactor targets and re-irradiated for the production of Pu-238 (References D019, D052).

HBL received Np-237 nitrate from three sources: H-Canyon Frames Process, H-Canyon HM Process, and the F-Canyon Purex Process. These feed solutions were sampled and analyzed for neptunium content and acidity and then combined with feed solutions from other processes. Feed solutions were adjusted by adding nitric acid, ferrous sulfamate, and hydrazine mononitrate (References D019, D052). Hydrazine mononitrate was added to the solution after it was sampled and analyzed (Reference D052).

Plutonium Process

The plutonium Process received separated Pu-238 nitrate solutions and converted them to plutonium dioxide powder by precipitation and calcination (Reference D052). The plutonium product was shipped to other facilities where it was fabricated into heat sources for radioisotope thermoelectric generators (RTGs) (References D052, D056). Plutonium was precipitated, filtered, and calcined to plutonium dioxide in air.

HBL received high assay and low assay Pu-238 nitrate solutions from H-Canyon operations. The high assay plutonium solutions accounted for ~99 percent of the Pu-238 processed in HBL. Low assay Pu-238 was recovered from irradiated fuel assemblies of enriched uranium. The recovered product was decontaminated and purified in the H-Canyon, and was transferred to HBL. Low assay plutonium solution contained plutonium in nitric acid (Reference D052).

High assay Pu-238 was recovered from irradiated neptunium target tubes. The plutonium was separated from the dissolver solution and purified by ion exchange in the H-Canyon Frames Process. The high assay solution was transferred from H-Canyon to an HBL receiving and blending tank. The solution was then blended to isotopic specifications, adjusted, and transferred to the precipitator feed tank.

Low assay plutonium solution was blended with high plutonium solution to give an isotopic concentration of 80 to 81 percent Pu-238, which was suitable for fabrication of heat sources. The acidity of the blend was adjusted by using nitric acid. Additional adjustments used ascorbic acid and hydrazine mononitrate. Plutonium oxalate was precipitated and filtered from the adjusted feed solution prior to calcination. When the precipitation was complete, the slurry was filtered to recover plutonium oxalate. The precipitate cake was washed with oxalic acid, hydrazine mononitrate, ascorbic acid, and nitric acid, calcined to convert to plutonium dioxide.

New HB-Line Waste Generating Processes

The New HB-Line, located on the fifth and sixth levels of H-Canyon, was designed to replace the aging Old HB-Line production facility (References D003, D056, D116). Built in the early 1980s in part of the H-Canyon Building, HBL is also a large, reinforced concrete structure. New HB-Line consists of the following (References D005, D005A, D050, D052, D058, D067, D092):

- Scrap Recovery Facility (Phase I)
- Neptunium Oxide Facility (Phase II)
- Plutonium Oxide Facility (Phase III)
- Waste Handling Facility, which was converted to an analytical laboratory operating since 1991 (References C105, D005)
- An office building
- Areas for support processing and service equipment

Chemicals used in New HB-Line processing facilities are nitric acid, potassium fluorine, aluminum nitrate, sodium nitrite, ferrous sulfamate, ascorbic acid, hydrazine mononitrate, and oxalic acid. All acid spills are neutralized prior to being disposed. Solid hydrazine is never brought into the HBL Facility. It is delivered as 30 percent hydrazine mononitrate solution in drums. Suspected hydrazine mononitrate spills are tested and cleaned up by Industrial Hygiene (Reference D050).

Scrap Recovery Facility (Phase I)

Phase I operations include opening, repackaging, screening, size reducing and dissolving scrap (References D005, D050). The facility is designed to receive and process material containing isotopes of plutonium, uranium, and neptunium from various on-site and off-site locations. Process materials can be in the form of solid or powdered oxides, pure metals, and mixed or alloyed with other metals. Phase I operations recover U-235, Pu-239, Pu-238, and Np-237 from scrap material and produce nitrate solutions for purification by anion exchange in HBL or solvent extraction in H-Canyon (References D003, D005, D058, D116). The process involves introducing prepared and assayed scrap into vessels containing nitric acid, filtering the dissolved product, and then etching the product with dilute nitric acid to the appropriate H-Canyon vessel (References D003, D058). The following campaigns were processed through New HB-Line Scrap Recovery: enriched uranium/plutonium material; Pre-Cassini Pu-238; Cassini Pu-238; high assay plutonium; Post-Cassini Pu-238; Low Assay plutonium (LAP); Pu-239 FB-Line sweepings; and enriched uranium/depleted uranium/Pu-239 (References D110, D114).

The Phase I cold feed preparation (CFP) area, provides Phase I with a remote site for chemical preparations and metered quantity introduction to the process line (References D003, D058). Chemicals used in Phase I include nitric acid, potassium fluorine, Al nitrate, and ferric nitrate. After the conditioned scrap is dissolved, it is filtered and then educted to H-Canyon (References D050, D058). Al nitrate is stored and prepared separately from flammable and combustible materials in the CFP. LAP and FB-Line sweepings were also processed in this facility (Reference D005). LAP, FB-Line sweepings, plutonium-beryllium material from FB-Line, and other FB-Line scrap materials were also processed in this facility (References D005, D112, D113, D115).

The HBL Phase I Scrap Recovery Facility was processing scrap in 2003 referred to as desicooler material, which was a uranium-aluminum scrap with trace amounts of plutonium, neptunium, and americium. Most of this material was left over from a uranium oxide scrap recovery program that began in 1972 with material from Oak Ridge National Laboratory and

Rocky Flats. Several cans of this material were processed under normal scrap recovery operations in 2003. However, a decision was made to stabilize the remaining material with Portland cement and water in 1-gallon paint cans to reduce the attractiveness level of the material (References D107, D108).

HBL also processed plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Material containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

The dissolution of composite materials containing plutonium and tantalum metals was being performed in Phase I of the HBL Facility in 2007 for subsequent disposition through the H-Canyon facility. The material is first rinsed with process water, placed into the dissolver using a nitric acid solution containing potassium fluorine and then burned, in part to destroy classified information. The first dissolution processes resulted in the precipitation of a fluoride salt containing plutonium which required further dissolution of the salt using aluminum nitrate and a longer heating time. As a result, the process was modified which resulted in more favorable outcomes (Reference D120).

Neptunium Oxide Facility (Phase II)

The original intent of Phase II was to convert nitrate solutions of neptunium into stabilized Np-237 oxide (References D005, D049). However, no operations occurred in this facility until late 2001, when nitrate solutions of Pu-239 were converted into plutonium oxide powder suitable for dissolution, blending, or long-term storage (References D049, D058, M022). Phase II shifted to neptunium processing in 2004. Neptunium solutions that have been in storage since the 1980s are being converted into an oxide and shipped to the Idaho National Laboratory (INL) (References D005, D111, D112, D113, D116).

Phase II consists of two processing lines that can process either plutonium or neptunium. The operations include transferring plutonium or neptunium nitrate solutions from H-Canyon vessels to receipt tanks. The solutions are then processed through ion exchange columns to concentrate, and precipitation stages that produce oxalate cake after filtration. The cake is calcined and packaged as the final product (References D005, D049, D058, D116).

The chemicals used in Phase II include nitric acid, ferrous sulfamate, sodium nitrite, ascorbic acid, hydrazine mononitrate, oxalic acid, and potassium permanganate. Aqueous nitric acid is mixed into an actinide feed solution and then chemically adjusted with ferrous sulfamate (References D005, D049, D058, P081).

Plutonium Oxide Facility (Phase III)

Phase III was designed to convert Pu-238 nitrate solutions to plutonium oxide powder suitable for fabrication into heat sources, but has not been in operation since 1997 (References D061, D058). The original mission for Phase III was to produce Pu-238 oxide for the Los Alamos National Laboratory (LANL) (References D005, D050).

In 1985, the Pu-238 nitrate solution sent to Phase III came from the H-Canyon Frames Process HBL, which processed both low assay and blended material made from low and high assay material. Low assay Pu-238 was recovered from irradiated uranium fuel assemblies. High assay Pu-238 was recovered from irradiated neptunium target tubes. The targets were removed from the reactor and, after a cooling period, shipped to the separations facility. The targets were placed in a vessel, the cladding was removed, and the uranium metal and neptunium were dissolved. An ion exchange process separated the fission products, uranium, Np-237, and Pu-238. After separation in H-Canyon, the Pu-238 is in a nitrate form in nitric acid. It is then transferred to HBL Phase III, where it is converted into an oxide (Reference C139).

The new plutonium oxide process in Phase III was an improved version of the Old HB-Line plutonium oxide process used since 1961 (Reference D056). After Pu-238 nitrate solutions were received from the H-Canyon Frames Process, the solution was adjusted using ascorbic acid and hydrazine mononitrate. Oxalic acid was added to form plutonium oxalate. The plutonium oxalate was then calcined in a furnace to produce the Pu-238 oxide powder (References M061, M062). Finally, the Pu-238 oxide powder was packaged and shipped to another DOE facility (References D005, D050, D056). Pu-242 was precipitated in the same manner (References D050, D061). The brief Pu-242 campaign did not use ascorbic acid or hydrazine mononitrate (Reference D050).

The Phase III process lines are serviced with chemical solutions from the Phase II CFP area (Reference D058). The chemicals used in Phase III included 64 percent nitric acid, oxalic acid, potassium permanganate, ascorbic acid, and hydrazine mononitrate (Reference M061). The oxalic acid solution, and potassium permanganate used in the Phase III process was also prepared in the CFP.

Surveillance and maintenance activities in this facility continue to generate TRU waste contaminated with a heat-source (Pu-238) distribution. The Pu-242 formerly processed in this facility has been removed, and only residual amounts of Pu-242 remain (Reference D005).

HBL is currently processing plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. During the 3013 Campaign, the 3013 cans are opened and destructive analysis of the plutonium oxide is performed prior to the can being shipped to the HBL for dissolution in Phase I. Prior to dissolution, the plutonium-oxide may be washed utilizing an oxide washer in order to reduce the chloride content. The purpose of this is to reduce stress corrosion cracking of the processing equipment in Phase I (References D120, P119, P120, P121, P122, P125).

Repackaging of solid waste and solid materials containing enriched uranium/depleted uranium/natural uranium, plutonium, and/or neptunium is now permitted in the Phase III process line or confinement enclosures (e.g., glove-bags or huts) (Reference D116).

Other Facilities

Also contained within the HBL are a Waste Handling Facility and an area known as Room 410N. The Waste Handling Facility also contains the Analytical Laboratory. Although this facility was originally designed to prepare contaminated items for TRU waste disposal, it currently functions only as an Analytical Laboratory for analyzing samples and has been operational since 1991 (References D005, D058). Process operations in the Old HB-Line were permanently suspended in 1983, but the process equipment in Room 410N is used as part of the Phase II process operation (References D058, D116).

Old HB-Line Decontamination and Removal (D&R)

The D&R process for the Old HB-Line began in about 1982, while the facility was still operational. A report issued by SRS in early 1994 (Reference D004) stated that a portion of the Old HB-Line (Neptunium Process and Scrap Recovery) had been undergoing D&D intermittently over the past nine years and, at the time of the report, the facility had been cleaned. The remainder of the facility was scheduled to be cleaned over the following three years. However, according to the August 2005 HBL characterization plan and the August 2006 Safety Analysis Report (SAR), the third and fourth levels are in various stages of decommissioning and deactivation and continue to generate TRU waste (References D005, D116).

The D&R project followed a four phase process. The first step was the removal of all non-contaminated equipment, which also included flushing tanks, piping, and sumps. In step two, process cabinets were emptied and cleaned. Cabinet interiors were decontaminated to a practical limit. Then the cabinets were painted to affix contaminants. The third step was the cabinet removal stage, where adjoining cabinets were separated and cut into sections to allow for packaging. Since the area was highly contaminated with plutonium, processing equipment was contained in gloveboxes or cabinets with controlled ventilation, to assure personnel protection. The last step was the decontamination of the vacated areas of the facility to as low a level of radioactivity as economically practicable. Tasks performed in this effort included painting walls, laying new floor tiles, and reinstallation of services such as lights, ventilation, and alarms. The Kelly decontamination system, which used a combination of steam and chemicals, was used to decontaminate large concrete areas. Contaminated wash water was pumped to the adjacent canyon for evaporation and transfer to the waste tanks. A Bead Blaster was used to remove deeply penetrated contamination from large areas of concrete floor. "Tacky" wipes were used to decontaminate smooth surfaces (Reference D004).

Associated Maintenance and Housekeeping Activities

Maintenance activities conducted on HBL included the following (References C098, C129, D034):

- Lead-lined glove replacements (periodically and as needed)
- Repair of leaks
- Filter change-outs (References M023, P007, P007A, P031, P037, P084, P101)
- Changing panels on cabinets and huts
- Equipment repair (valve replacement, etc.)
- Inspection and cleaning of exhaust ducts to remove any plutonium accumulation (during January 1990 shutdown)

Routine housekeeping activities conducted by Operators included the following:

- Sump cleanout (Reference D090)
- Floor sweeping (References C031, C039, C117)
- Absorption of liquids
- Construction, breakdown, and disposal of huts adjacent to cabinets (References D067, P023)
- Bagging trash out of gloveboxes and cabinets (References C044, C131, M046, P022)
- Decontamination (References M012, P049)

All of these activities generated TRU and/or low-level waste (LLW) throughout the time period of waste generation. Some examples of waste-generating maintenance and housekeeping activities are provided below.

Sump Cleanout

Cabinet sumps were physically cleaned of items that may have fallen into them, such as vials and tape, including the filtrate cabinet and product hold cabinet sumps. Dissolvers were also emptied. The sumps were then flushed with liquid. The dissolver was also filled to its limit with nitric acid, sampled and discharged. Sumps required to be physically cleaned in the Phase III facility included the receipt cabinet, the precipitator, and the filtrate cabinets. Liquid flush solutions were ultimately sampled and transferred to H-Canyon (Reference P033). The Old HB-Line sumps were not cleaned as often as in the New HB-Line, but sumps were usually flushed out and cleaned between isotopic campaigns; cabinets were wiped down, and everything was removed (Reference C105). The rinsed wet nitric acid wipes that were used to clean the sumps were radiologically surveyed and either discarded or held for recovery of material (Reference D090).

Floor Sweeping Cleanup

Materials would be mixed at a ratio of 3:1 with vermiculite to assure no free liquids existed (References C031, C117). When neoprene glovebox gaskets covering the points where cabinets joined together would fail, neptunium sweepings were generated (Reference C105). The radioactive glovebox sweepings were recycled when practical to do so, (Reference D005) and were collected and put through Scrap Recovery.

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream, and Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) assigned for each constituent, as applicable.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-RH-772F.01

RCRA Constituent	Use/Description	AK Source	EPA HWNs
Acetone	Decontamination and degreasing solvent on rags. Ingredient in Magnaflux SpotCheck Developer.	C006, C083, C105, M051	NA
Beryllium	Special recovery scrap reprocessing material. Dissolution of plutonium-beryllium neutron sources. Contaminant in plutonium oxide product.	C011, C151, C178, D005, D006, D055, D059, D067, D115, M122, M133	NA
Cadmium	Cadmium plates used in HBL vessel vent system. Historically identified as a contaminant of mixed waste.	C002, C098, C139, D067, P015, P026, P034, P073, P103	D006
Carbon tetrachloride	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	C104, C152, C155, D018, D059, D075, P052, P061	F001/D019
Chloroform	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	C104, C152, C155, D018, D059, D075, P052, P061	D022
Chromium	Component or contaminant of stainless steel and plutonium oxide.	C098, C136, C139, D003, D005, D041,	NA
Cyclohexanone	Ingredient in EZ Weld Gray Polyvinyl chloride Cement.	M051	NA
1,1-Dichloroethylene	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	D018, D075, P052, P061	D029
Ethyl Acetate	Ingredient in Magnaflux SpotCheck Developer.	C105, M051	NA
Hydrazine	Used in Scrap Recovery anion exchange and neptunium and plutonium precipitation.	C098, C105, C136, C152, D007, D019, D050, D052, D055, D056, M061	U133
Hydrofluoric acid	Solid sample dissolution. Historically identified as a contaminant of mixed waste.	C136,C156, D018, D075, P052, P061, P104	NA
Lead	Sources of lead-contaminated waste include leaded rubber gloves, lead-impregnated vinyl aprons, and metallic lead waste (e.g., bricks, sample carriers) used as shielding. Historically identified as a contaminant of mixed waste.	D003, D018, D052, D058, D067, M014, M066, P026, P052, P096, P103	D008
Mercury	Component of fluorescent light bulbs, thermometers, and manometers. Historically identified as a contaminant of mixed waste.	C067, C156, D052, M037, M098, P015, P026, P034, P103	D009
Methanol	Decontamination and degreasing solvent on rags. Historically identified as a contaminant of mixed waste.	C006, C083, D018, D075, P052, P061	NA
Methyl ethyl ketone	Ingredient in EZ Weld Gray Polyvinyl chloride Cement.	C002, C017, C032, M051	F005
Methylene chloride	Raycohesive and MOR-AD adhesive ingredient.	C006, C057, C083, P048, P059	NA
Tetrachloroethylene (perchloroethylene, PCE)	Historically identified as a contaminant of mixed waste.	D018, D075, P052, P061	F001/F002/ D039
Trichlorotrifluoroethane (Freon)	Decontamination and degreasing solvent on rags.	C006, C017, C083	F002
1,1,1-Trichloroethane (TCA)	Ingredient in Raycohesive adhesive and Magnaflux cleaner used for clean-up and decontamination.	C017, C105, C152, D018, D075, M051, P052, P061	F001/F002
Trichloroethylene (TCE, Triclene)	Decontamination and degreasing solvent on rags. Historically identified as a contaminant of mixed waste.	C006, C083, C105, D018, D075, P052, P061	F001/F002/ D040
Vinyl Chloride	Historically identified as a contaminant of mixed waste.	C155, D018, D075, P052, P061	D043

RCRA Determinations

Historical Waste Management

The HBL waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as non-hazardous and hazardous. A review of available AK documentation has determined that this waste is hazardous.

SRS began to manage TRU mixed waste as RCRA beginning in June 1987 (Reference C088), around the time when they began implementing a TRU Waste Certification Program, of which HBL was a part, for waste to be disposed at WIPP (Reference C105). Under this program, HBL was audited in 1988-89, and began "to do better segregation of waste" and package and characterize it to meet program requirements, including segregating mixed waste from other TRU non-hazardous waste (Reference C105). From about 1986 forward, HBL waste generators were able to indicate HWNs applicable to the waste they were packaging on TWPDs, except that they did not indicate F001-F005 HWNs for solvent-contaminated wipes or rags; a review of these forms from the 1986-1990 time period (References M014, M066) reveals that generators assigned the number D008 for lead. By 1988, under the TRU waste certification program, liquids and sludges were segregated from certifiable waste prior to bagout, as verified by x-ray (Reference D088). Hazardous materials that could be disposed of in TRU waste were listed in procedures or posted in work areas.

TRU waste management changes were made in January 1990 in response to regulatory concerns with the management of solvent rags and potentially other hazardous wastes (Reference C006). At this time, SRS waste-generating facilities were asked to identify chemical inventories (Reference C067). On January 19, 1990, the SRS, Environmental Protection Department (EPD) issued a memo summarizing recent regulatory guidance that would require considering solvent-contaminated rags/wipes to be hazardous under certain conditions. Affected SRS activities were anticipated to include decontamination or degreasing "using Freon, acetone, methanol, methylene chloride, and other RCRA-listed solvents..." as well as trichloroethylene (TCE)-assisted decontamination activities (Reference C083). On January 25, 1990, the EPD issued guidance requiring generators to handle all rags and wipes as hazardous waste and noting that the guidance might affect decontamination, degreasing, lubricating, or any other activities that dissolved or mobilized other constituents (Reference C029). These memos were followed by two special procedures requiring that absorbent materials such as rags and wipes contaminated with F001-F005 solvents be classified as hazardous and that "use of unapproved solvents shall be discontinued except for Environmental Safety & Health (ES&H) purposes" (Reference C083). Waste generated prior to January 25, 1990, was to be segregated if it was suspected to be contaminated with solvents based on process knowledge.

Supplemental guidance issued on January 24, 1990, allowed rags contaminated with F003-listed solvents to avoid being considered hazardous provided that they did not contain free ignitable liquids (Reference C083). This policy was further supported in a February 6, 1990 memo outlining answers to generator questions regarding the solvent rag guidance and allowing the continued use of listed solvents such as Freon under certain conditions (Reference C083). As a result of this change, in October 1990, SRS Waste Management Operations stopped accepting newly generated waste until verification of a formal, auditable program to ensure proper management of hazardous and mixed wastes was completed for each generator (Reference C006). In addition, each Department was required to implement the site Blue Dot program for F-listed solvents and products containing Toxicity Characteristic (TC) constituents. This program required that a Blue Dot ID sticker be placed on any product that contained

RCRA-listed chemicals (References C006, C105, P003). It was noted that "the Blue Dot" program was identified as the primary control for chemical products that become hazardous waste upon disposal, but notes that U- and P-listed chemicals were not controlled under the Blue Dot program (Reference D069).

An inventory conducted in January 1990 found hazardous chemicals stored in HBL with current Material Safety Data Sheet (MSDS) information available (References C017, M051). The January 25, 1990 SRS EPD guidance on solvent rags was supplanted in HBL in August 1991 by a Blue Dot program for managing and labeling hazardous chemicals (References C090, P076). This program was noted in a 1991 TRU waste characterization document and other procedures, which noted that chemicals used in HBL are labeled with a Blue Dot under the Blue Dot Program if they may contain hazardous constituents (Reference D005, P003). By procedure, non-hazardous substitutes were to be researched for all chemicals with hazardous constituents; if no substitute could be found and a Blue Dot chemical was used, "every attempt to use all the product shall be made," which HBL personnel recalled (References C105, P076). An example of the implementation of this procedure is the replacement of Magnaflux and SpotCheck with the non-hazardous chemical Magnaflux Spotcheck SDC-S (Reference M051). Also, the facility Chemical Coordinator was to be consulted to determine proper management of Blue Dot chemical-contaminated waste materials used for application or cleanup. Non-empty Blue Dot chemical containers were prohibited from being placed in waste containers (Reference P076). According to HBL personnel, a site wide program listed Blue Dot chemicals like Magnaflux (Reference C105). Under this program, nothing with a Blue Dot was supposed to be used in the cabinets or huts; however, White Dot chemicals were safe to use (Reference C105). The Blue Dot program was still in place in 1999 and may still be in effect in HBL (References C105, D067). Procedures provided instructions to HBL waste generators on completing waste characterization forms such as the Radioactive Solid Waste Burial Ground Record (BGR) and TRU Waste Package Data (TWPD) (References C014, P026, P073).

The actual implementation of this program through the 1990s is documented to some degree in HBL procedures. According to HBL Waste Operators, they did start to segregate solvent rags out of TRU waste and place them in separate drums. HBL personnel noted that ascorbic/oxalic acids were used for cleaning instead of solvents; as a result, no organic solvent-contaminated kim wipes and swipes from inside of gloveboxes should have been packaged in TRU waste containers (References C105, P033). By 1993, procedures stated that liquids were to be removed from waste rags contaminated with F-listed solvents and that rags with F003 solvents were to be segregated from other F-listed solvent rags. Waste categories and any HWNs were written on an OSR 29-14 Hazardous Waste Label (Reference P090).

A 1996 procedure (Reference P026) describes the only HBL mixed waste generated routinely as "lead lined gloves that have been used in process cabinets." The type and quantity of mixed wastes were to be specified on Waste ID Slips stored with waste in a satellite area until containers were filled (or 11 5-gallon drums had accumulated) and then moved to a staging area (Reference P096). Storage of mixed waste in separate satellite accumulation areas was also specified in low-level waste procedures (Reference P103). Hazardous waste labels were explicitly required for waste cuts of lead-lined gloves. The procedure listed potential mixed waste in several places, but the exhaustive list includes lead, mercury, cadmium, acid, nitrates, and oil as major chemicals from HBL (References M037, P026); the procedure identified acids and nitrates as non-hazardous, provided that they were solidified. Figure 11, Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery, which was not referenced anywhere in the text of the procedure, listed F001-F005 RCRA-regulated solvents and instructs "Using the MSDS chemical composition section, products must have greater than 10 percent of the following contaminants and be used as solvents to require a blue dot and have special disposal requirements." No mention of solvent rags was made in this attachment. Solvent waste was considered

procedurally as a separate category of waste from glovebox and hut wastes. The following guidance on packaging solvent rags was provided: remove as much solvent as possible from the rags, contact the waste handling supervisor for solvent classification before disposal, segregate rags "permeated" with F003 solvents from rags "permeated" with other F-listed solvents, and identify the waste with a hazardous waste label listing the HWN (F001-F005). After a 1997 revision of this procedure, hut waste was moved into a separate procedure with the same number and all information regarding solvent waste was removed. The only mixed waste contaminants listed were lead, mercury, and cadmium (Reference P026).

Consistent with this procedure, other 1996 procedures included Waste ID Slips or other generator waste characterization forms with spaces on which generators were to indicate Hazardous Materials present in the drum, with the following options: lead, oil, cadmium, mercury, calcium, and other (References P015, P034). A cabinet bag-port operation procedure and other later procedures specified that wastes were allowed to have only the following WIPP-acceptable EPA HWNs, although waste with other EPA HWNs could be accepted for storage with an approved deviation request (References P015, P094). In a 1997 procedure on packaging 55-gallon TRU waste drums, only the following options were included for labeling drums with hazardous South Carolina Department of Health and Environmental Control waste numbers: D001, D008, F002, F003, and other (Reference P014), although by October 1997, this list was replaced with guidance to contact the facility Generator Certification Official (GCO) for wastes other than leaded gloves. The term "mixed waste" also applied to TRU mixed waste (Reference P014). These procedures also continued to specify that drums containing mixed waste were to be stored in a separate Mixed Waste Staging Area (Reference P014).

According to Solid Waste Management (SWM) personnel, SRS waste generators started to assign F, U, P, and other HWNs to TRU waste after 1996. SRS had an agreement with the state regulator that it would manage waste with all possible applicable HWNs and remove HWNs if needed as characterization information was obtained (Reference C146).

Waste stream SR-RH-221H.01 may contain waste generated in HBL prior to January 25, 1990. As such, HWNs historically applied to this waste stream have been assessed on the basis of HWNs applied by generators in the 1986-1990 time period on TWPDs (Reference M014) and HWNs applied by SWM to the entire pre-1990 inventory (References D018, D021, D034, D075, P052, P061.

The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste streams as a whole. The assignment of these HWNs was based on a review of chemical inputs to the waste generating operations and hazardous materials potentially contaminating. the waste. In addition, MSDSs and other manufacturer information were obtained for the commercial products to determine the presence of RCRA regulated constituents.

The assignment of HWNs to waste stream SR-RH-221H.01 is based on the characterization of the corresponding CH waste stream described in AK Summary Report CCP-AK-SRS-4 (Reference 14). Since this RH stream consists of drums originally included in the corresponding CH stream, the HWNs assigned to the CH stream have been applied to any container determined to be RH. Waste was generated directly from these processes and from associated activities such as maintenance and decontamination.

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261, *Identification and Listing of Hazardous Waste*. Ignitable and reactive materials are not believed to be present in HBL TRU waste. Corrosive liquids also are not anticipated due to liquid waste absorption procedures that go back to the early 1970s; however, any containerized liquids found in TRU drums will be removed prior to certification of waste for disposal at WIPP. Operating procedures required all acids to be neutralized and all pyrophorics to be reacted before being packaged in TRU waste (References C067, P018, P094, P113). It is important to note that SRS treated absorbed acids and bases as non-hazardous based on the results of tests on absorbed nitrates (neutralized nitric acid), the largest potential corrosive material in job control waste, which indicated such waste to be non-hazardous (References C067, P073). Rinsing and neutralization of acid-soaked sponges and rags was required (References P026, P108). No free liquids were packaged for disposal (References P014, P094). This prohibition remained in place throughout the time period of waste generation, as evidenced by the prohibition against free liquids in the SRS WAC (Reference P050). Free liquids were instead required to be absorbed since at least 1977 with Celite (diatomaceous earth), soda ash, polyester cloths, and Oil-Dri (fullers earth and quartz) in a 3:1 ratio (References D005, D018, P015, P056, P063, P083, P094). Oily rags were also required to be packaged with 3:1 ratio of Oil-Dri absorbent to absorb any oily liquid (Reference P026). No RCRA-regulated quantities of ignitable, corrosive, or reactive chemicals in routine HBL TRU waste, including pyrophorics and explosives, are expected in this waste stream (References D005, P014, P015, P018, P073, P094, P113).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in 40 CFR 261.21. Ignitable liquids and oxidizers were used in H-Canyon and FB-Line operations. However, the waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (EPA HWN D001) (Reference M169).

Although they were historically assigned HWNs (References D018, P052), sodium, phosphorus, and magnesium were not used as pure metal in the HBL process or associated activities (References C098, C116, C136, C152, D059). The facility did use non-reactive magnesium oxide (Reference C098). Calcium also was not used in HBL (References C098, C116).

Oxidizers are known to have been used throughout the time period of waste generation in operating areas where TRU waste has been generated or handled. Nitric acid in particular was used extensively as a process chemical (References C001, D007), as were hydrogen peroxide, iron nitrate, permanganates, and aluminum nitrate (References C098, C116, D058, D060, M058, M062, M063, P001). Hydrogen peroxide was used for Pu-239 processing probably in Scrap Recovery (References C098, C116). Hydrogen peroxide was removed from the HBL Basis for Interim Operations (BIO) (Reference D058) in a July 2001 revision. Permanganate used in the Lab Line was reduced with nitrite and excess sodium permanganate solution that was infrequently used was solidified or absorbed (Reference C136). Old HB-Line personnel recalled having a procedure that required neutralization of acids and possibly of such oxidizers (Reference C098). A 1974 procedure (Reference P063) for handling radioactive waste gave special instructions for "wet solid waste," which consisted of acid-soaked sponges, rags, atomic

wipes, or polypropylene cloths. Such waste was to be rinsed with water to remove any product and acid and then packaged with diatomaceous earth absorbent to absorb moisture (Reference P063). SRS also used a polypropylene felt, tested in 1965, for cleaning to minimize fire hazards due to oxidation of cellulosics (Reference C099). SARs and other documents from the 1990s maintained that free liquids were not packaged for disposal (Reference D088), but were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (Reference D005).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22. The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (EPA HWN D002) (Reference M169).

The following corrosive chemicals were shown on a 2000 BIO report: nitric acid, sodium hydroxide, sodium hypochlorite, and sulfuric acid, as well as oxalic and ascorbic acids (Reference D058). Nitric acid was also used in New HB-Line for sump flushing (Reference C105). Caustics might also have been used during D&D (Reference M021). Neutralization kits were primarily used in HBL Special Recovery (References C105, C136, P027, P072, P082, P083, P108) and appear very often in generator waste descriptions (References M014, M015).

Beginning in the early 1970s, residual chemicals disposed in TRU waste were required to be absorbed and/or neutralized (References C032, C067, C098, P063). By 1989, SRS had tested absorbed/neutralized nitric acid and determined that it was non-hazardous for corrosivity (References C032, C067). Also, as previously stated, TRU waste containers were not to contain free non-residual liquids (References C098, D005). As early as 1974 and up to the present day, operating procedures and Solid Waste requirements (Reference D088) have required all acids to be neutralized (References C067, P093). If acids had been present on waste materials (such as rags), the materials were rinsed with water and then neutralized before being packaged with absorbent and sealed separately (References C078, P056, P070).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (EPA HWN D003) (Reference M169).

As previously stated, there were no reactive metals such as sodium, phosphorus, magnesium, or calcium used as pure metal, although HBL did use magnesium oxygen (Reference C098), a non-reactive oxide. Also, as of 1988 and by procedure even earlier, there were no routine TRU waste streams at SRS that contained pyrophoric materials or explosives (Reference D088).

During an interview, HBL generators stated that explosives are not expected in HBL waste, as HBL did not dispose of plutonium metal in drums. In addition, although changed out every five years (Reference C140), small explosive charge squibs in the fire system were replaceable from outside of the gloveboxes and therefore, if they were disposed as waste,

would not have been sufficiently contaminated to be transuranic (References C098, C140, C152). Hydrazine mononitrate was identified as an HBL process chemical through the mid 1980s, having been used as a dissolution process catalyst (References D007, D055). However, because it was a liquid, it would not have been placed in TRU waste containers without being absorbed, so it would not be considered to be explosive or reactive (Reference C152).

Non-radionuclide pyrophorics were not present in HBL operating area (Reference C001), although the radioactive pyrophoric plutonium was present. Under the certification program instituted in 1986, any pyrophorics were required to be treated to be non-pyrophoric (References C032, C067, P050) prior to packaging as TRU waste. Potentially air-reactive resins used in HBL processes are not packaged as TRU waste, but sent to the H-Canyon for disposal (References D005, D050). Under the TRU waste certification program in place during the period of waste generation, any potentially pyrophoric materials were identified in operating procedures and were required to be segregated and labeled non-certifiable (Reference P050).

Toxicity Characteristic

Based on review of AK relative to chemicals used or present in the HBL and supporting operations, waste stream SR-RH-221H.01 is contaminated with toxicity characteristic compounds as defined in 40 CFR 261.24. Where a constituent has been identified and there is insufficient quantitative data available to demonstrate that the concentration of a constituent is below regulatory threshold levels, the applicable EPA HWN is applied to the waste stream in accordance with the CCP AK procedure, CCP-TP-005.

Various metals may be present from several sources. One possible source was the plutonium oxide product itself, which could have up to the following concentrations of impurities: Al–100 Parts per Million (ppm), Be–1 ppm, Cd–25 ppm, Cr–175 ppm, nickel (Ni)–100 ppm, Pb–100 ppm, and Zn–50 ppm (Reference C110). However, these are maximum allowable quantities, rather than average quantities likely to be present in waste materials. One source stated that "typical" quantities of these metals in plutonium oxide product are Cd–10 ppm, Cr–100 ppm, and Pb–10 ppm (Reference C139); due to the very small gram loading of plutonium oxide product on waste materials, it is not expected that plutonium residues alone could cause waste to meet the toxicity characteristic threshold for these metals. Concentrations of RCRA metals cadmium, lead, chromium, and mercury in plutonium stabilization products do not exceed RCRA regulatory thresholds (Reference D005). In terms of impurities in scrap materials being processed through Scrap Recovery, the major types of scrap that had been processed up to date 1975 included floor sweepings rich in iron oxide, plutonium–beryllium neutron sources (plutonium oxide and plutonium), plutonium-molybdenum cermets (with and without thorium oxide), oxide combinations such as plutonium oxide, zirconium oxide, and plutonium–thorium oxide, and plutonium–zirconium alloy (References C010, D006).

Cadmium was listed as a possible contaminant in HBL TRU waste (Reference C002), although other sources suggest that it was not used (Reference C032, C116). Cadmium was used in plates around the New HB-Line in the vessel vent system (Reference C098), although it was not used in the Old HB-Line (Reference C152). HBL also did not use cadmium-coated HEPA filters (References C110, D005). Several source documents have been reviewed that indicate that prevalence of cadmium (References C139, D067, P015, P034, P073) in HBL TRU waste procedures and documents from the time period of waste generation. Based on its possible presence, the HWN D006 will be assigned for cadmium.

Chromium may be present in waste due to stainless-steel construction of gloveboxes and highly acidic (nitric acid) atmospheres corroding this material (Reference C098). In particular, in the New HB-Line, process vessels in Scrap Recovery were constructed of Type 304L stainless-

steel because of its corrosion resistance (References D003, D005). However, Toxicity Characteristic Leaching Procedure (TCLP) data regarding the leaching of Cr from Type 304L stainless-steel showed that only 0.10 milligrams per liter (mg/L) chromium leached from Type 304L, well below the toxicity characteristic level of 5 mg/L. Based on a study conducted in 1992, job control waste raw materials including yellow plastics do not contain enough chromium to exceed toxicity characteristic concentrations (Reference D041). Plutonium oxide powder with 100 ppm chromium, also does not sufficiently contaminate TRU waste to require the assignment of D007 for chromium (Reference C139). At this concentration in a drum with 50 kilograms (kg) of waste, about 2.5 kg of plutonium oxide product would have to be present in a single container of waste, even assuming 100 percent leachability of the chromium. Chromium was also present at 25 ppm in standards and tracers used in the Lab Line (Reference C136), although only small amounts of such materials would have been disposed in TRU waste. Old HB-Line personnel did not recall using chromium in their processes (Reference C116). Waste generators listed chromium on five container characterization forms, but these containers have been excluded from corresponding CH waste stream SR-W027-221H-HET, and therefore will not be part of SR-RH-221H.01 (References DR013, M009, M014, M169). Since about 2003, additional wastes assigned EPA HWN D007 have been generated. This waste is not included in the SR-RH-221H.01 waste stream. For these reasons, HWN D007 is not assigned for this waste stream.

Lead is expected in HBL TRU waste (References C002, M014) primarily from lead-lined gloves (References C014, C027, C032, C080, C090, C098, C116, M014) and in glovebox panels that were of a sandwiched stainless-steel-lead-water-stainless construction with acrylic/lead glass windows (Reference D056). Although job control waste raw materials including yellow plastics do not contain enough lead to exceed toxicity characteristic concentrations (Reference D041), lead-lined gloves are frequently generated and managed as TRU waste due to their 56.1-73.7 percent lead per pair; generators conservatively estimate 74 percent lead when completing OSR 29-90 forms (Reference D005). No shielding or bricks are expected in HBL waste except possibly in D&R waste (Reference C098), although HBL did use lead shielding (Reference C116). The New HB-Line was constructed with lead in gloveboxes, acrylic and leaded glass on the windows at the entry station, charge preparation gloveboxes, and wing cabinets (Reference D003). The dissolver and product transfer glovebox in new Special Recovery had only lead shielding with leaded glass on the windows. Generators indicated on TWPDs completed during the 1986-1990 time period (References C010, M014) the HWN D008 for lead. According to a 1996 procedure, the only HBL mixed waste generated regularly was, "lead lined gloves that have been used in process cabinets," (Reference P026). Drums containing mixed waste such as leaded gloves were to be stored in the Mixed Waste Staging Area (Reference P014). Although an aggressive segregation procedure was in place (References C105, C136, C152, D067, P026, P073) and generators did not indicate D008 for the segregated containers, some of the segregated containers were found to contain lead during CCP confirmation activities (References C163, DR013, M014, M015, M115). Considering all of the potential sources, the HWN D008 will be assigned for this waste stream.

Mercury was not thought by Waste Management or the Old HB-Line personnel to be commonly used in the facility (References C067, C098, C116) in order to avoid contamination of product material, although it was occasionally included on Waste Management lists because of potential uses of mercury thermometers in non-routine operation such as tank calibration (Reference C067). The Old HB-Line personnel did not believe that they used such mercury measurement equipment due to the need for greater sensitivity (Reference C098), but they did recall removing mercury manometers that may have been part of a vacuum system in room 454, circa 1984 (Reference C156). Also, job control waste raw materials including yellow plastics do not contain enough mercury to exceed toxicity characteristic concentrations (Reference D041).

There should be few or no fluorescent bulbs in the waste, as there were no lights inside of the cabinets where such bulbs could become TRU-contaminated (References C098, C116, C152). While small quantities of fluorescent bulbs may be present in waste from use in huts outside of gloveboxes (Reference C152), such material is not expected to contain sufficient mercury to cause TRU waste drums to be hazardous. Sample data from analysis of randomly-chosen drums of crushed fluorescent tubes indicated that the EPA TCLP concentrations of metals in these drums either were not above regulatory limits in any of the samples or were not present in sufficiently high concentrations to render a TRU waste drum with only one or two fluorescent bulbs hazardous (References C148, M048). Also, mixed waste receipts indicate that two drums filled with fluorescent bulbs have been disposed as low-level mixed waste, which supports the idea that fluorescent bulbs from outside the glovebox are not sufficiently contaminated to be TRU (Reference M098). Mercury vapor bulbs, according to the author of Reference M098 were actually fluorescent bulbs that were disposed as low-level mixed waste (Reference M098).

The 1970s-era Technical Standards for enriched uranium and plutonium recovery (References D007, D055) identified mercury as being used in recovery ion exchange (at 0.01M concentration) and in the dissolution of plutonium-aluminum alloys or scrap containing metallic aluminum. However, HBL technical support personnel stated that, although the technical standards allowed these activities, the ion exchange operation never ran in Special Recovery, nor were targets or aluminum scrap ever dissolved, in part because Scrap Recovery never received material directly from SRS reactors, as they shut down in the mid 1980s (Reference C156). Mercury catalysis was performed in the Canyon as noted by Old HB-Line personnel (Reference C098), but mercury-catalyzed dissolution was also tested and performed in HBL Scrap Recovery (Reference D055). Mercuric nitrate was also listed in a 1978 SAR as a "principle toxic...material present in the HBL" (Reference D052). Alkaline batteries that may be in TRU waste because HBL personnel did use flashlights (Reference C098) may contribute very small amounts of mercury, although alkaline batteries would not be present in sufficient quantities to exceed toxicity characteristic quantities (References C150, C152). Finally, Old HB-Line personnel recalled that some mercury may have been found during D&R activities or in gloveboxes, associated with pumps and other equipment (Reference C156). Mercury was to be recovered by a vacuum flask aspirator and water, otherwise a spill kit was used. Mercury clean up materials were considered EPA Hazardous waste (Reference D001). Because there is a potential for thermometers, manometers, fluorescent bulbs, and othermercury-containing equipment in TRU waste, EPA HWN D009 will be assigned for this waste stream.

Methylene chloride is the only solvent-type chemical used in HBL for which an F-listed HWN could not be assigned due to its non-solvent use. However, methylene chloride is not listed as a toxicity characteristic organic solvent. SRS has determined, however, that the following HWNs should be assigned to the waste stream (Reference C155), although no evidence of the use of some of these chemicals has been found as summarized in Section **Error! Reference source not found.**: carbon tetrachloride – D019, chloroform – D022, 1,1-Dichloroethylene – D029, tetrachloroethylene – D039, TCE – D040, and vinyl chloride – D043.

Listed Waste

F-Listed Waste

Based on review of AK relative to chemicals historically used or present in the HBL, waste stream SR-RH-221H.01 contains or is mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR, Part 261.31. HWNs F001, F002, F003, and F005 were historically applied to SRS HBL TRU waste generated before 1990 for solvents including carbon tetrachloride, perchloroethylene, 1,1,1-trichloroethane, TCE, acetone, and methanol (References D018, P052). The HBL personnel during interviews could not remember using carbon tetrachloride, chloroform, dichloroethylene, 1,4-dioxane, chloroethylene, methanol, 1,1,2,2-tetrachloroethane, tetrachloroethylene, or vinyl chloride in Old HB-Line or in the 1980s in the New HB-Line (References C098, C105), except for carbon tetrachloride and chloroform used during the 1950s (References C104, C152, D059). Dioxane is not believed to have been present in HBL except perhaps as an impurity in commercial-grade trichloroethane (References C098, C105, D059). Also, no evidence was found that vinyl chloride has ever been used in HBL (References C098, C105, C136, C152, D059), nor were any procedures located that specified precautions or special handling techniques for this very reactive chemical. However, HBL personnel did recall that much more painting occurred in the Old HB-Line than in the new one due to better materials and coatings used in the construction of cabinets in the New HB-Line (Reference C105).

Several sources suggested that HBL TRU waste may have been contaminated with acetone (Reference C002). Acetone was believed to have been used for degreasing (Reference D059) and as a solvent by construction personnel (Reference C032). The Old HB-Line Operators recalled that acetone was used in the 1950s and 1960s to repair gloveports but not in the 1970s (Reference C098). Acetone was also used to clean the edges of "Mipple M" wall covering panels in rooms, although not in gloveboxes (Reference C105). Acetone was also present in up to 30 percent concentrations in Magnaflux Spotcheck products (References C098, C105, M051) that were used in HBL. After January 25, 1990, generators did not indicate a HWN for any F-listed solvent on their TWPDs or TWCCs (References M014, M015, M115) for any drums, nor did the procedures for completion of these forms mention any solvents during much of the time period of waste generation (Reference P073). Under the Blue Dot program, acetone would not have been used inside of gloveboxes; however, some evidence indicates that acetone was used during the 1990s as a solvent to remove plastic congealed on glovebox floors (Reference C158). Acetone would have been used outside of gloveboxes during decontamination events associated with glove failures, leaks, or other unusual events, such as the following HBL events that occurred from August 1986 to July 1996, possibly resulting in TRU waste generation: five leaks/inadvertent transfers; six personnel contaminations; two incorrect product feeds, and one glovebox fire (Reference D058). Acetone was also used by Maintenance to clean up contamination outside of gloveboxes during a contamination event that occurred in about 1994 (References C156, C157). Although this use might have generated low-level mixed waste with TRU isotope contamination <100 nCi/g consistent with LLW procedures (References D050, D092, P103), no low-level mixed waste contaminated with solvents has been generated in HBL since January 25, 1990 (Reference M098). The facility also stated that waste from this decontamination effort probably was packaged as TRU Waste (Reference C157). Acetone was also present in HBL chemical inventories in small (less than 1-gallon) quantities in 1990, 1991, and 1994 (Reference M099). In addition, it was on a year 2000 list of chemicals allowed to be stored for use in HBL (Reference D058), although the allowable quantity of this chemical was decreased (but not removed entirely) in a July 2001 revision. Finally, a 1996 TRU waste packaging procedure explicitly provided for the first time the option of assigning HWNs F002 and F003 if applicable (Reference P014).

1,1,1-Trichloroethane was not used as a pure commercial chemical (References C098, C105, C152), but it was present as the primary solvent in Magnaflux SKC-NF/ZC-7B Cleaner/Remover (Reference M051), which was used in the HBL (References C017, C105). As a result, the HWN F002 will be assigned for 1,1,1-trichloroethane.

TCE was used as a solvent in Raycohesive® B-32, a glue used to seal drum liner lids (References C057, P048). A HWN would not be assigned solely on the basis of this packaging-related use. One other source document also suggested that TCE was not used in HBL (Reference C032). However, TCE was the primary solvent in a trade-named chemical called Triclene that was used in the Old HB-Line (References C098, M051). Because of its solvent usage, the HWN F002 will be assigned for TCE.

In addition to information about chemicals included on lists of historically applied HWNs, evidence of the use of other solvents was found. Freon was used as a coolant in the New HB-Line vessel vent system (Reference D003) and in the Old HB-Line process refrigeration units (References C032, C116). Some Freon from the vessel vent system was disposed due to a leak; this leak cleanup would have generated contaminated TRU waste (Reference C098), although Freon from this source would not be considered hazardous waste because it was not being used as a solvent. However, other sources suggest that Freon was used in HBL (References C002, C017) for decontamination (Reference C032) and/or as a cleaning agent throughout the facility (Reference C067), even though New HB-Line personnel stated that Freon was not used for decontamination (Reference C105). Based on this solvent/cleaning agent usage, the HWN F002 will be assigned for Freon (a chlorofluorinated hydrocarbon).

Source documents discussing MEK differ on whether it was (Reference C002) or was not used (Reference C032). It was definitely a solvent in PVC cement used in the facility (Reference C017). Because spent PVC cement may have been included in TRU waste containers, the HWN F005 will be conservatively assigned for this chemical.

Methylene chloride is expected only associated with use in the adhesive MOR-AD® B 32 (and in its predecessor Raycohesive® B-32), which were used to bond together Type II 90-mil drum liner lids and bodies used in conjunction with the 55-gallon U.S. Department of Transportation (DOT)-17C drums to package and transport TRU waste (References C057, P048, P059). Because its use is only associated with packaging, a HWN will not be assigned for this contaminant. Ethyl acetate was present at 40 percent as a solvent in Magnaflux Spotcheck developer (Reference M051), which was used in HBL (Reference C105). Even though HWN F003 was originally assigned to CH waste stream SR-W027-221H-HET, the F003 constituents, including acetone, ethyl acetate and methanol are listed solely because these solvents are ignitable in the liquid form. The waste stream will not exhibit the characteristic of ignitability because it is not liquid; therefore, F003 is not assigned. Cyclohexanone was also identified but as a part of a chemical formulation not used for any solvent properties, therefore, F003 is not assigned for cyclohexanone.

In summary, the following HWNs will be applied to the SR-RH-221H.01 TRU waste stream: F001 for carbon tetrachloride, 1,1,1 trichloroethane, tetrachloroethylene, and TCE (Reference C155); F002 for Freon, TCE, tetrachloroethylene, and 1,1,1-trichloroethane; and F005 for MEK. Although there were no industrial degreasing processes occurring in HBL (References C098, C105, D003, D005, D006, D048, D061), the F001 HWN will be assigned as shown above for the chlorinated hydrocarbons discussed per SRS guidance.

K-Listed Waste

The materials in waste stream SR-RH-221H are not hazardous waste from any of the sources specified in 40 CFR 261.32. Therefore, waste stream SR-RH-221H is not assigned a K-listed HWN.

P- and U-listed Wastes

With the exception of hydrazine (HWN U133), this waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. No other P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, other chemicals are present only as contamination on waste materials, rather than as pure commercial chemical product. Other process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (Reference M169).

A 1995 SWM document (Reference D059) describes that the process piping in HBL is welded stainless steel and contains no mechanical joints. Because process vessels are enclosed in cabinets and, in the New HB-Line, piping outside of cabinets was jacketed, spills were minimized, though not eliminated. In the Scrap Recovery process, four types of events were described that could create MTRU waste: leaks, dropped containers, overflow of process vessels such as dissolvers and product hold tanks, and uncontrolled chemical reactions, some of which are known to have occurred (References C098, C105, C114, D005, D064, D065, D066), in addition to other waste generating events such as glove failures. Cleanup operations from such events could result in spilled listed material entering the TRU waste stream, especially given that the Old HB-Line sumps were not equipped with nitric acid flush systems (Reference C105).

The SRS Solid Waste Division determined that the RCRA HWN U134 for hydrofluoric acid did not apply to HBL/H-Canyon waste generated prior to 1986, the basis for this determination was the belief that hydrofluoric acid had not been used in the facility (Reference D059). Old HB-Line personnel recalled that hydrogen fluorine ceased to be used after 1973 (Reference C098), was used only before 1970 in the Pu-239 oxide process (Reference C152), and/or was never used in Special Recovery (References C104, C116, C152). References to ubiquitous use of fluoride ion in Scrap Recovery (Reference D055) are consistent with information from Old HB-Line personnel that they used potassium fluoride, rather than hydrofluoric acid (Reference C152). On the other hand, technical standards state that hydrofluoric acid was brought into the New-HBL as a liquid during the Cassini mission (10/90-6/95 in Scrap Recovery, 1/93-8/95 in plutonium oxide) to adjust fluoride concentrations (References D005, D050). However, HBL managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical (Reference C156) or used as a pure chemical in any process, consistent with scrap dissolution procedures (Reference P105). Hydrofluoric acid was also used in the lab line during the Cassini Impurity Analysis Program from about 1994-95 for determination of solids in liquids, for solid sample dissolution, and in standards used for trace metals analyses (although it would not have been the sole active ingredient in the latter formulation) (Reference C136). However, all lab chemicals were prepared in Building F/H Area Laboratory (Reference C136) and bagged into the HBL after dilution; hydrofluoric acid was diluted to 0.1 M strength with nitric acid before entry into HBL for solids dissolution (Reference P104), so that pure chemical hydrofluoric acid could not have contaminated HBL TRU lab waste. Because hydrofluoric acid was not brought into HBL as a pure commercial chemical and was used for its intended purpose, the HWN U134 will not be assigned for this waste stream.

Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during neptunium oxalate precipitation; the maximum allowable concentration was 0.15M (References D007, D055). Some Old HB-Line Facility personnel did not believe that pure liquid hydrazine was disposed as TRU waste (Reference C152), or only recalled using hydrazine mononitrate (References C098, C104, C105, M058, M062, M063), while other personnel discussed use of hydrazine (References C116, C152). However, it is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery, as previously described. On this basis, the HWN U133 will be assigned for hydrazine.

Beryllium is expected to be present in TRU waste as a contaminant in plutonium oxide product (Reference C110) and because of the dissolution of plutonium-beryllium neutron sources and plutonium oxide.beryllium mixtures in Scrap Recovery (References D005, D006, D067, D115). Any beryllium that was dissolved, however, was sent to the H-Canyon as solution where the plutonium was recovered and the remaining solution (including beryllium) was discarded to waste tanks. Any beryllium remaining in the Scrap Recovery Facility TRU waste would be present only in trace quantities (References C178). Waste packages that contain beryllium are therefore expected only in particulate form as an impurity or in residual trace amounts less than 1 percent by weight of the waste in each drum (References M122, M133). Beryllium was never known to have been brought into the facility as a pure commercial chemical in powder form (References C151, D059). Therefore, waste stream SR-RH-221H.01 is not a P015-listed waste for beryllium powder.

Polychlorinated Biphenyls

Polychorinated biphenyl's (PCBs) are not expected to be present in this waste. Potential sources of PCBs include oil-filled electrical equipment, fluorescent light ballasts, and hydraulic oils. There were no large electrical units (capacitors) identified for this building (Reference C084) and no such electrical equipment identified in this waste (Reference C116). There were no fluorescent light fixtures located inside gloveboxes (Reference C105). Hydraulic oils (References C116, C152) used in the HBL were evaluated and found not to contain PCBs (Reference C161). Contaminated oil in neptunium-Line hydraulic system sumps was absorbed in liter bottles (Reference C105) but would not contain PCBs because it would have been manufactured long after the date on which PCB manufacture was banned in the U.S. Therefore, waste stream SR-RH-221H.01 is not regulated as a Toxic Substance Control Act (TSCA) waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitions* (Reference M169).

Prohibited Items

As discussed above, pyrophorics and explosives are not expected in this TRU waste stream. No compressed gas cylinders or explosives are expected (Reference C105). Any prohibited items identified during radiography will be processed (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers) to correct the deficiency (References P109, P110, P111, P112).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The waste material parameters (WMPs) for the waste stream were estimated by using the characterization data from CH waste stream SR-W027-221H-HET and contained in the WIPP Waste Data System (WDS) for 7,014 drums from radiography lots 1 through 143 which give data available up through February 3, 2006. The waste in this RH waste stream is physically identical to the CH portion (the only difference being the surface dose rate on the drums). The

CH data is therefore representative of the RH containers. Waste items were categorized into one of the following WMPs: iron-based metals/alloys, aluminum-based metals/alloys, other metals, other inorganic materials, cellulosics, rubber, plastics (waste materials), inorganic matrix, organic matrix, and soils/gravel. The WMP weights were assessed and an average was determined that was applied to the RH waste stream. The results of the assessment are presented in table, Waste Stream SR-RH-221H.01 Waste Material Parameters.

Waste Stream SR-RH-221H.01 Waste Material Parameters

Waste Material Parameter	*Estimated Weight Percent*	*Weight Percent Range*
Iron-based Metals/Alloys	25.80%	0.0 – 97.27%
Aluminum-based Metals/Alloys	1.06%	0.0 – 64.63%
Other Metals	0.28%	0.0 – 70.87%
Other Inorganic Materials	9.29%	0.0 – 93.69%
Cellulosics	5.70%	0.0 – 95.41%
Rubber	16.69%	0.0 – 97.56%
Plastics (waste materials)	40.43%	0.0 – 98.36%
Inorganic Matrix	0.70%	0.0 – 92.50%
Organic Matrix	0.05%	0.0 – 16.80%
Soils/Gravel	0.04%	0.0 – 73.68%
Total Inorganic Waste Avg.	**37.13%**	
Total Organic Waste Avg.	**62.86%**	

List of AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

RH waste stream SR-RH-221H.01 consists of drums originally included in the corresponding CH waste stream SR-W027-221H-HET. Radiological characterization for waste stream SR-W027-221H-HET has identified the radionuclides suspected to be in waste stream SR-RH-221H.01. The certified NDA results from the WDS for 2,890 CH drums were averaged and are presented in table, Reported Radionuclides in Waste Stream SR-RH-221H.01.

Reported Radionuclides in Waste Stream SR-RH-772F.01

Radionuclide	Total Radionuclide wt%	Suspected Present?
WIPP Required Radionuclides		
Pu-238	8.12	Y
Pu-239	5.41	Y
Pu-240	0.41	Y
Pu-242	0.02	Y
Am-241	0.05	Y
U-233	0.04	Y
U-234	3.94	Y
U-238	18.53	Y
Cs-137	0.0	Y
Sr-90	0.0	Y
Additional Radionuclides		
H-3	0.0	Y
C-14	0.0	Y
Na-22	0.0	Y
Ni-59	0.0	Y
Co-60	0.0	Y
Se-79	0.0	Y
Tc-99	0.0	Y
Ru-106	0.0	Y
Sb-125	0.0	Y
Sn-126	0.0	Y
I-129	0.0	Y
Ba-133	0.0	Y
Pb-214	0.0	Y
Ba-137m	0.0	Y
Cs-134	0.0	Y
Ce-144	0.0	Y
Pm-147	0.0	Y
Eu-152	0.0	Y
Eu-154	0.0	Y
Tl-208	0.14	Y
Bi-214	0.0	Y
Ac-227	0.0	Y
Th-232	57.17	Y
U-232	0.0	Y
U-235	2.88	Y
U-236	0.0	Y
Pu-241	0.15	Y
Am-243	0.0	Y
Cm-243	0.0	Y
Cm-244	0.0	Y
Cm-245	0.0	Y
Np-237	3.16	Y
Cf-249	0.0	Y

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Title
C001	Memo to TRU Waste Coordinators, J.A. Schlesser: WIPP Certification Plan
C002	Memo: Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C006	Memo: Suspect Hazardous Waste Handling Requirements
C008	Memo to V.G. Dickert, et. al.: Guidance for Continual Surveillance for Hazardous Waste
C010	Memo: Disposal of TRU Boxed Waste
C011	Memo: Disposal of Spray Cans with Material
C012	Memos: Characteristics of SRS TRU Boxed Waste
C014	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program
C017	Memo to R.F. LeBert: Hazardous Products in Our MSDS Books (U)
C018	Memo: ALARA 1146 Clarification (U)
C020	Memo: BH-38 Decontamination Material Mix-up
C024	Memo to G.W. Earle: Neptunium Shielding Calculations
C027	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989
C029	Memo to R.L. McQuinn, et. al.: Program for the Handling of Hazardous Waste Rags and Wipes (U)
C031	Meeting-HB Line Decommissioning - Disposal of Neptunium Sweeping
C032	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C038	Memo to J.P. Duane re: 221-H B-Line History
C039	Memo to R. Anderson re: Neptunium Sweepings, 221-H B-Line
C040	Memo to F. Lustig Re: Project S-2991 Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits
C044	Memo to HB-Line Distribution re: Validation of the HB-Line Plutonium Oxide Facility Glovebox Cabinet Cleanout
C045	Nuclear Safety Limits for Various Isotopes in the Burial Ground
C046	Nuclear Criticality Safety in Storing WIPP Certified TRU Waste
C047	Nuclear Safety Limits for Various Nuclides in Burial Ground Concrete Culverts
C048	TRU Mixed Waste Generation and Characterization
C050	Requested Information Regarding TRU Variance Letter
C054	Requirements for Packaging Transuranic Waste
C055	Instructions for Using Revised Burial Forms
C057	A Comparative Evaluation of Raycohesive® B-32 and MOR-AD® B-32 Adhesives
C058	Information Concerning the Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)
C063	Operational Practices During Emplacement of Transuranic Waste on TRU Pads 1-6 in the SRS Burial Grounds
C066	Interview of C. McClard Regarding the HB-Line Process Timeline
C067	SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C069	Description of Transuranic Solid Waste at Savannah River
C071	WIPP-Waste Acceptance Criteria
C075	Memo: Identification of TRU Waste
C077	Memo: Program for Identification and Segregation of Transuranic Waste with Contamination Levels Between 10 and 100 nCi/g
C078	Letter to J.P. Duane: HB-Line Waste Packaging Requirements
C079	Memo to T.H. Gould: Systems Analysis Applied to TRU Waste Management (U)
C080	Memo: Pb-Lined Gloves Telephone Calll to O. Fordham, Letter to O. Fordham: Pb-Lined Gloves and Request for Concurrence to use the Exemption from Particle Size Reduction in the TCLP Method 11311 for Lead Lined Gloves (U)
C083	Miscellaneous Correspondence on Solvent Contaminated Waste (a-f)

Tracking Number	Title
C084	Memo to M.J. Sires: Polychlorinated Biphenyl's (PCBs) Used in Electrical Equipment
C086	Letter to O.M. Morris: Segregation of Combustible TRU Waste
C088	Record of Communication – Interview of Mr. Odum and Mr. Maloney
C090	Telephone Conversation with Carol Allgood, NMMD: Blue Dot Program at FB-Line and HB-Line
C091	Record of Communication – Atomic Energy Defense Activities
C093	Letter re: TRU Waste Packaging Requirements Polyethylene Boxes for HEPA Filters
C094	Record of Communication — Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line
C098	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon
C099	Memo to W. Doe re: Tests on Polypropylene Felt
C100	Memo to T. Reilly re: Problem No. ST-SS-G-039 Sources of Contaminants in $238PuO_2$
C104	Notes from Interview of J. "Chip" McClard
C105	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor
C110	Letter to R.D. Leedle: Savannah River Plant Project S-2256 — Replace Obsolete Processing Facilities 221-HB-Line DA-221-H Plutonium-238 Oxide Product Quality
C114	Separations Incident SI-80-11-140
C116	Record of Communication with Mike Mobley
C117	Letter to R.C. Anderson: Neptunium Sweepings Packaging, 221-HB-Line
C129	Radioactivity and Dose Rates from Aging Plutonium in Future Waste Management Operations (U)
C131	Email: Job Hazard Analysis of Scrap Recovery Clean Out Work (U)
C132	Letter to R.E. Meadors, R.C. Anderson: Handling TRU Waste From H-Canyon Frames
C134	Memo to D.H. Thomas: Burial of Old Frames and Sample Aisle Equipment
C135	Memo to D.H. Thomas: Disposal Methods For Pu-238 Frame I
C136	Record of Communication for Interview of C. Ryberg and R. Mahannah
C139	RCRA Characterization of SRS-Produced Plutonium Oxide
C140	E-Mail to P. Fulghum: Squib Igniters Used In "Halex" Fire Suppression
C146	Record of Communication for Interview of D. Gartland by J. Whitworth
C148	Summary of SRS Correspondence and Data on Fluorescent Light Bulbs
C150	Record of Communication for Interview of M. Boolish by T. Burns and W. Estill: Mercury Content in Batteries
C151	Letter to M.A. Kokovich: Removal of P015 Waste Code from TRU Waste Containers
C152	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk
C155	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Interoffice Memo, From: C.B. Stevens, To: M.A. Kokovich
C156	Record of Communication: Interview of Bob Smith, Rick Burns, and Jim Barber, Subject: TRU Waste and Hazardous Chemical Usage in the New HB-Line
C157	Record of Communication: Interview of Ray Smith and Betty Bush, Subject: Use of Chemicals (Acetone) by HBL Maintenance
C158	Record of Communication — Interview with J.W. Barber Re: Use of Acetone in the New HB-Line Facility
C161	Fyrquel Hydraulic Oil
C162	Pu-238 Spectrum
C163	Re-evaluation of Savannah River Site HB-Line waste streams
C164	Interview with Ann Gibbs concerning Thorium-232 in the HB-Line Waste
C165	Record of Communication: Discussion of Greater Confinement Disposal (GCD) at SRS.
C178	Email correspondence with Jeff Lunsford regarding beryllium
C197	Memo to CCP Record re: Addition of Containers to Waste Stream SR-RH-221H.01
C217	Interoffice Memorandum from Marcia Birk to M. G. Looper and Cary Stevens. RE: Path Forward for Silver Berl Saddle Management
C219	Waste Stream Container Evaluation Memorandum for Waste Stream SR-RH-221H.02
C1001	Waste Stream Container Evaluation Memorandum for Waste Stream SR-CH-221H.02

Tracking Number	Title
D001	Analytical Laboratories Laboratory Technician Program, Proper Handling of Spills
D003	Building 221-H, B-Line Scrap Recovery Facility (SUP 2A) Safety Analysis Report
D004	Dismantlement and Decontamination of a Plutonium-238 Facility at SRS
D005	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)
D005A	Characterization of HB-Line Transuranic (TRU) Waste
D006	Technical Manual — Plutonium-238 Scrap Recovery, Building 221-H
D007	221-H-SP Technical Standards (UCNI)
D009	Revised Pre Title I Design Safety Evaluation for the Retrieval Operations of Transuranic Waste Drums in the Solid Waste Disposal Facility (U)
D010	Radioactive Waste Burial Grounds
D011	Storage of Solid Radioactive Waste
D012	Solid TRU Waste Processing and Retrievable Long-Term Storage –Technical Data Summary
D013	Storing Solid Radioactive Wastes at the Savannah River Plant
D014	Radiogenic Gas Accumulation in TRU Waste Storage Drums
D015	Savannah River TRU Waste Inventory Workoff Plan
D016	Implementation Plan for Buried Transuranic Waste at the Savannah River Plant
D018	Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)
D019	History of DuPont at the Savannah River Plant
D020	Safety Analysis – 200 Area Savannah River Plant Burial Ground Operations
D021	System Plan for the Solid Waste Division
D024	Statement of Work Chemical Inventory and Characterization of Waste Container Contents by Surface Acoustic Wave Technology
D026	Solid Waste Division 1998 System Plan
D027	Transuranic Waste Projections at SRS for Long Range Planning (U)
D029	Strategic Plan for Savannah River Site (SRS) Transuranic Waste
D030	Savannah River Site Solid Waste Management Facility Safety Analysis Report
D031	Savannah River Site Transuranic Waste Program
D034	Transuranic Waste Baseline Inventory Report
D035	U.S. Atomic Energy Commission AEC Manual: Chapter 0511 Radioactive Waste Management
D037	Management of Transuranic Contaminated Material
D038	Radioactive Waste Management
D041	Response to DOE Request for Status on Procurement and Disposal of Yellow Pigmented Items at SRS (U)
D043	Chapter 20, Savannah River Site at Fifty: Steward Ship and Legacy
D044	Old Radioactive Waste Burial Ground
D046	Researcher Provides a Historical Perspective for Plutonium Heat Sources
D048	Technical Standards For H-Area B-Line Scrap Recovery
D049	Technical Standards for H-Area B-Line, Neptunium Oxide Facility
D050	Characterization of HB-Line Low-Level Waste
D051	Milliwatt Surveillance Program Ensures RTG Safety and Reliability
D052	Systems Analysis — 200 Area Savannah River Plant HB-Line Operations
D053	Physical Behavior of Pu-238 Oxide (U)
D054	Thorium Processing in H-Canyon Technical Standards
D055	Technical Standard Enriched Uranium and Plutonium Scrap Recovery in HB-Line
D056	Safety Analysis — 200 Area; Savannah River Plant, Separations Area Operations, H, B-Line, Plutonium Oxide Facility (Sup 2C)
D058	HB-Line Basis for Interim Operation (U)
D059	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Before 1986
D060	Calc Note — HB-Line Chemical Hazard Analysis (U)
D061	Technical Standards for H Area B-Line Plutonium Oxide Facility
D062	Recovering U-235 and Pu-238-Pu-239 in HBL
D064	Separations Incident, SI-76-24 — Solids in Filtered Enriched Uranium Scrap Solution – 221-HB-Line

Tracking Number	Title
D065	Separations Incident, SI-76-16 — Unexpected Reaction in Scrap Recovery Dissolver – 221-HB-Line
D066	Separations Incident, SI-81-5-52 — Contamination Release, HB-Line Scrap Recovery Facility
D067	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan
D069	Separations HB-Line Low-Level waste Certification Plan Assessment Report (U)
D075	1992 Renewal application for a RCRA Part B Permit, Savannah River Site Volume XIII – TRU Pads Facility and Waste Certification Facility, Revision B, December 21, 1993
D079	TRU Waste Acceptance Criteria for the Waste Isolation Pilot Plant
D080	Los Alamos National Laboratory Transuranic Waste Characterization/Certification Program, Acceptable Knowledge Summary Report for Combustible/Noncombustible, Metallic, and HEPA Filter Waste Resulting from 238Pu Fabrication Activities
D084	Technical Safety Requirements Savannah River Site — Solid Waste Management Facility (U)
D088	Savannah River Certification Plan for Newly Generated, Contact-Handled Transuranic Waste
D090	Test Authorization No. 2-917 for Cleanup of Room 311 Sumps
D092	Low Level Radioactive Waste/Mixed Waste Certification Plan Separations HB-Line Facility
D095	History of DuPont at the Savannah River Plant
D098	SRP Thorium Processing Experience
D099	Sample Schedule for HB-Line and the Compact Billet Line in 235-F
D101	Works Technical Report for July 1977
D107	Active Well Neutron Coincidence Assays for U-235 Content in HB-Line Desicooler Repackage Campaign at the Savannah River Site
D108	Analysis of Events Associated with First Charge of Desicooler Material
D109	Draft Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to Production of Radioisotope Power Systems
D110	Westinghouse Savannah River Company Annual Report 2003
D111	Westinghouse Savannah River Company Annual Report 2004
D112	Annual Report Washington Savannah River Company 2005
D113	Washington Savannah River Company, Setting The Stage For Tomorrow, 2006 Annual Report
D114	Neutralization of Plutonium and Enriched Uranium Solutions Containing Gadolinium as a Neutron Poison
D115	Dissolution of FB-Line Residues Containing Beryllium Metal
D116	HB-Line Safety Analysis Report (U)
D120	Dissolution of Fissile Materials Containing Tantalum Metal
D124	Systems Analysis — 200 Area Savannah River Plant. Chemical Separations Facilities Canyon Operations, Volume 1
D127	Treatability Variance for Silver Coated Packing Material
DR001	Discrepancy Resolution: Physical Form Leaded Gloves
DR013	Consolidation of waste streams
M009	TRU Waste Drum Data Sheet for Five Containers
M012	Operations Pre-Plan Checklists (ADM-HB-4177)
M014	Burial Ground Records and TRU Waste Package Data Forms
M015	TRU Waste Container Characterization Forms (OSR 29-90)
M021	Dismantlement and Decontamination at the Savannah River Site
M022	HB Line's New Facility Finishes First Campaign
M023	Radiological Work Permit for packaging of a high rate HEPA filter from Room 514.
M026	SR-W027 DOE waste stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MITI)
M027	Chronological History of the TRU Drum Vent Filter
M028	History of Transuranic Waste Management at the Savannah River Site
M030	Characterization of SRP Retrievably Stored Transuranium Waste
M034	Presentation: Savannah River Site Mixed waste streams Data and Photo Catalog

Tracking Number	Title
M037	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)
M040	Presentation: Savannah River Site Transuranic Waste Program
M041	Presentation: Savannah River Site Waste Characterization Plans
M046	Power Point Presentation: Storage and Disposal History
M047	TRU Waste
M048	Fluorescent Tube Disposal Gets OK
M051	MSDSs
M052	COBRA Database Update
M054	Miscellaneous SRS Maps and Location Information
M055	Questions Regarding Drum Retrieval Plans
M056	Old HB-Line Pu-238 Powder Can Inventory
M057	Waste Acceptance Criteria for USF/HB-Line Waste Handling Facility
M058	Notes — HB-Line TRU Waste
M061	Figure 2 — Schematic of New HB-Line Plutonium-238
M062	Old HB-Line Pu-238 Powder Can Inventory
M063	Handwritten table of chemical information
M066	HB-Line AK Tracking Spreadsheet
M069	HB-Line Process History 8/11/70 Through 10/25/74
M073	Accountability Book: Uranium Receipts, Charges, Transfers
M082	Clarification of Scrap Declaration
M094	Accountability Book 4
M095	Accountability Book: SR-IC-50 and MOUND Pu-238 Guide: Receipts and Waste to Burial Ground
M096	Accountability Book: Scrap Book II, Receipts, Dissolver Charges, Waste to Burial Ground
M098	Low Level Mixed Waste Inventory from HB-Line, Post-1990
M099	Chemical Inventory Data
M108	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M109	Evaluation of 62 Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M110	Evaluation of 32 Additional Containers for SRS-4 waste stream SR-W027—221H-HET (HB-Line)
M112	Excel spreadsheet: waste material parameter analysis for SR-W027-221H-HET waste stream
M115	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions
M122	Acceptable Knowledge Beryllium Assessment for CCP-SRS- AK Reports 1 through 7
M125	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions 6/1/05
M126	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line). May 19, 2006
M127	29-90 Forms for drums Added May 19, 2006
M131	INL-Built Nuclear Power Systems Crucial to Future Space Missions – A Growing Mission with High Visibility
M133	Support Data for the Addition of Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)
M134	Material Safety Data Sheets (MSDS) for Decon Products in NOP 221-HB-4989
M169	Waste Stream SR-RH-221H.01 Container Specific Evaluation Information
M183	Waste Stream SR-RH-221H.02 Container Documentation
M1001	Waste Stream SR-CH-221H.02 Container Documentation
P001	Excess Permanganate, Technical Reference, Procedure Manual L3.11
P003	Proper Disposal of Hazardous Waste in RCA
P004	H-Canyon / Of-H / Old B-Line Facility-Specific Waste Minimization Plan
P007	Changing Internal Cabinet HEPA Filters and Cabinet Supply HEPA Filters, Phase I (U)
P007A	Changing Internal Cabinet HEPA Filter and Cabinet Supply HEPA Filter (U)
P014	Packaging and Sealing TRU Waste in 55-Gallon Drums (U)

Tracking Number	Title
P015	Cabinet Bagport Operations (U)
P016	Operations Pre-Plan Checklist/Pre-Job Briefing (U)
P018	TRU Waste Drum Data Sheet
P022	Changing Gloves/Bags/Safety Covers Using Glove Ejection Tool (U)
P023	Cleaning and Removing Plastic Huts (U)
P024	Draining of Process Jacket Piping (U)
P025	Flushing and Transferring Recovery Cabinet Sumps (U)
P026	Handling TRU Waste (U)
P027	Neutralization of Acidic Wipes (U)
P031	Inspecting, Removing, and Installing Scrap Recovery Process Filter Media (U)
P033	HB-Line Facility Flush Program (U)
P034	TRU Waste Drum Data Sheet for Plutonium (Pu) 242 (U)
P037	Changing HEPA Filters in Room 605/610 (U)
P038	Dissolution of Pu-239 Scrap (Cold Runs) (U)
P042	Inspecting and Assembling 55-Gallon Waste Drum Units (U)
P045	Packaging and Disposing of Dry Radioactive Waste
P046	Special Products HB-Line; Chapters I, II, III, V, & VII
P047	Repackaging of TRU Waste Drums Returned from the Solid Waste Disposal Facility
P048	Sealing Fiberglass Boxes which Contain TRU Waste with TRIMCO Gasket
P049	General Decontamination (U)
P050	Savannah River Site Waste Acceptance Criteria Manual, E-Area TRU Pads Transuranic Waste Criteria
P051	Storing TRU Waste in Concrete Containers
P052	Drum Retrieval from TRU Pads 2-6 (U)
P054	Storage of Transuranium (TRU) Waste
P055	Shipping Waste to Burial Ground
P056	Packing TRU Waste and Sealing in 55-Gallon Drums
P057	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control includes DPSOP 40: Burial Container Limits
P058	Repackaging TRU Drummed Waste at 643-G
P059	Handling Transuranium Waste in 221-H Canyon & 211-H Facility
P061	Identifying TRU Drums With Missing Container ID Tags (U)
P062	Burying Classified Waste at Building 643-G
P063	Handling Radioactive Waste
P064	Completing TRU Waste Burial Records
P067	Cabinet Bag Port Operations
P069	Packaging and Sealing Contaminated HEPA Filters in Polyethylene Boxes
P070	Disposal of Non-acidic Contaminated Liquids
P072	Neutralization of Polypropylene Wipes in Scrap Recovery
P073	Completing TRU Waste Burial Records and TRU Waste Data Package
P076	Ordering, Purchasing, and Handling of Blue Dot Chemical Products (U)
P077	Handling Chemicals
P078	Handling HB-Line Samples
P081	Potassium Permanganate ($KMnO_4$) Neutralization and Disposal
P082	Neutralization of Polypropylene Filter Bags in Scrap Recovery (U)
P083	Neutralization of Phase II Non-filter Waste
P084	Filter Change-out and Neutralizing Waste/Filters
P088	Packing TRU Waste and Sealing Drums
P089	Shipping Waste to Burial Ground
P090	Suspect Waste Management Program (U)
P091	Packaging and Sealing TRU Waste in 83-Gallon Drums (U)
P092	Packaging and Sealing the Standard Waste Box
P093	Completing TRU Waste Burial Records and TRU Waste Data Package for Pu-239 (U)

Tracking Number	Title
P094	Packaging Non-Process Cabinet TRU Waste and TRU Decontamination Waste into Drum liners
P096	Operating Gamma Pulse Height Analyzer for Pu-238 Waste
P101	Installing and Removing Polypropylene Filter Bags
P103	Handling of Low-Level Radioactive Solid Waste
P104	Solids Rinsing, HBLine (U)
P105	Dissolution of Fissile Scrap
P106	Absorbing Containerized Liquids
P107	TRU Drum Remediation
P108	Phase I Glovebox Cleanup and Neutralization of Acidic Wipes
P109	Controls for Waste Containers that Require Further Processing
P110	TRU Drum Repackaging
P111	MRS Operations (U)
P112	TVEF Operations (U)
P113	Packaging Phase I (Scrap Recovery) TRU Waste
P119	Procedure 842 from the Phase I Scrap Recovery Manual: Preparing Tantalum (Ta) for Bag Out
P120	Procedure 843 from the Phase I Scrap Recovery Manual: Tantalum (Ta) Bag Out
P121	Procedure 840 from the Phase I Scrap Recovery Manual: Rinsing Tantalum (Ta) After Dissolution
P122	Procedure 841 from the Phase I Scrap Recovery Manual: Weighing Tantalum (Ta)
P125	HB-Line Characterization of Transuranic (TRU) Waste (Supersedes Rev. 10 of NMS-EHB-990045, D005A)

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P050
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28	
Source Document Reference Information (author(s), document and revision number, date, publisher): A. Gibbs, Maurice J. Ades, WSRC-TR-05-0055, Rev. 2 and 3, 07/06/1995, 03/11/1996	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, PR5, WS2, WS3, WS8, WS9, WS11, WS12, S9	Throughout	Revision 3: This revision discusses the changes made in the Characterization Plan since Revision 2 of this document. The closure of the solvent tanks 523-528 was completed without incident. The trailer used by Rust Federal Services for the tanks' cleaning was inadvertently contaminated when a leak developed during the waste transfer work. The contamination and the high levels of radiation in the ion exchange column and bag filters made the original disposal of the materials on the trailer by individual parts a larger personnel exposure risk than WSRC is prepared to take. The plan for disposal was therefore changed to account for the disposal of the trailer as a unit. The radionuclide distribution has not changed. Materials have been sampled from the trailer and the solvent tanks for confirmation of waste characterization. Waste stream characterization begins on page 5 and includes waste volumes/weights, measurement data such as TRU, Gamma, and Alpha concentrations, radionuclide characterization, and total activity in solvent. Mixed Waste Characterization begins on page 9 and includes hazardous constituent totals on page 10. Revision 2: Closure operations for Solvent Storage Tanks S23 - S28 will be initiated in early 1995 and will result in the one-time generation of low level mixed and transuranic (TRU) mixed wastes. The solvent tanks are located within the Solid Waste Disposal Facility (SWDF), and were used to store spent solvent wastes generated from F and H-Canyons separations processes. The entire facility is composed of eight tanks, six of which are being closed. Solvent tank closure will generate five solid and seven liquid waste streams. All liquid wastes generated during closure operations are outside the scope of this plan. The five solid waste streams are comprised of Bag filters, Carbon Filter Media, Ion Exchange Resin, Process Equipment, and Job Control Waste. These elements are discussed starting on

CCP RECORDS ORIGINAL
DATE REC'D 11-19-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: P050
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		page 17. Specific waste stream volumes are presented on page 17. Mixed waste characterization data begins on page 19, and includes RCRA code assignments sampling methods, etc. Isotopic characterization begins on page 21 and discusses the various waste types generated and how the various distributions are established, etc., the results of which are presented in various tables beginning with Table 1 on page 25.

Source Document Data Limitations (if any):

1. Best available copy

Acceptable Knowlege Expert:

Allen Dickerson / Allen Dickerson 11 and 11/16/12 Date: 09/15/2012

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

139598

OSR 3-4A-W (Rev 1-89)
Westinghouse Savannah River Company
INTER-OFFICE MEMORANDUM

March 11, 1996 SWE-SWE-96-0120

To: C. E. Swenson, 705-3C

From: G. W. Faulk, 724-7E

Transmittal of Revision of Characterization Plan for Low Level Waste Generated From Closure of Solvent Tanks S23 Through S28 (U)

Ref 1: Characterization Plan For Low Level Waste Generated From Closure of Tanks S23 Through S28, WSRC-TR-95-0055, Rev. 3.

Ref 2: C. E. Swenson, Approval of Solvent Tank Closure Characterization Plan (U), SWE-SWC-96-0086, March 6, 1996.

Attached (see Reference 1) is the revised Waste Characterization Plan for disposal of the operations trailer as low level waste. The disposal strategy for this waste package was presented to the Waste Characterization Board (WCB) on February 29, 1996. Reference 2 provides the WCB's approval of the strategy for disposal of the package. No action items were identified by the WCB.

Feel free to contact S. R. Reed (2-2271) if you have any questions.

CC: S. J. Mentrup, 724-7E
L. T. Reid, 724-9E
D. F. Conrad, 724-7E
P. D. Hunt, 724-15E
A. Gibbs, 724-21E
M. J. Addes, 705-3C
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L. E. Rykken, 705-3C
[redacted]

CHARACTERIZATION PLAN FOR LOW LEVEL WASTE GENERATED FROM CLOSURE OF SOLVENT TANKS S23 THROUGH S28

Revision Prepared By:	A. Gibbs Solid Waste Engineering Solid Waste & Environmental Restoration Division	3/8/96 Date
Revision Prepared By:	Maurice J. Ades Solid Waste Engineering Solid Waste & Environmental Restoration Division	3/11/96 Date
REVIEW:	S. J. Mentrup Solid Waste Engineering Solid Waste & Environmental Restoration Division	3/11/96 Date
APPROVAL:	G. W. Faulk Manager, Solid Waste Disposal Facility Solid Waste & Environmental Restoration Division	3/11/96 Date

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

2.0 INTRODUCTION

3.0 WASTE STREAM CHARACTERIZATION

4.0 QUANTITY DETERMINATION

5.0 TRU CHARACTERIZATION

6.0 MIXED WASTE CHARACTERIZATION

7.0 REFERENCES

8.0 APPENDIX (Revision 2 of WSRC-TR-95-0055)

1.0 EXECUTIVE SUMMARY

This revision discusses the changes made in the Characterization Plan since Revision 2 of this document. The closure of the solvent tanks S23-S28 was completed without incident. The trailer used by Rust Federal Services for the tanks' cleaning was inadvertently contaminated when a leak developed during the waste transfer work. The contamination and the high levels of radiation in the ion exchange column and bag filters made the original disposal of the materials on the trailer by individual parts a larger personnel exposure risk than WSRC is prepared to take. The plan for disposal was therefore changed to account for the disposal of the trailer as a unit. This plan has been approved by SCDHEC[1].

The radionuclidic distribution has not changed. Materials have been sampled from the trailer and the solvent tanks for confirmation of waste characterization.

Revision 2 of this document is provided in the appendix. It contains all the details of the operation which led up to the disposal of the trailer as a unit operation.

2.0 INTRODUCTION

Spent solvent storage tanks (S23-S28) in the Solid Waste Disposal Facility were emptied and repeatedly flushed prior to closure, as agreed among SCDHEC, U. S. DOE; and WSRC. During the flushing of the tanks a leak occurred on the trailer holding the water reclamation equipment. This resulted in alpha contamination on the trailer. This activity, coupled with the high radiation readings from equipment on the trailer caused a change in the waste disposal plans. Originally the plans were to dismantle the components of the trailer and dispose of them individually in the proper waste vaults or as TRU waste. Because this plan would result in excessive radiation exposure to those involved in dismantling the components (1.12 Rem/worker), and because the space limitations among the trailer components make the use of robots impossible, it was recommended by WSRC and agreed upon by SCDHEC[1] that disposal would be as a unit.

Waste characterization of this unit depends upon measurements made prior to the start of work on the solvent in the tanks, measurements of components of the trailer, and process knowledge. The radionuclidic composition is based upon approved and verified waste characterizations of the sources of the solvent, F and H canyons.

3.0 WASTE STREAM CHARACTERIZATION

The waste stream consists of a trailer whose effective dimensions for disposal are ~40 ft. X 17 ft X 8 ft. The trailer contains 4 bag filters, a carbon filter, an ion exchange unit, and tanks and pumps used for rinsing the solvent tanks. All of the components on the trailer have been drained of water until no residual water can be collected.

Thirty-six bag filters were used during the flushing operation. Thirty-two of these filters are in TRU storage in 55 gallon drums.

The characterization of the physical aspects of the carbon filter, ion exchange resin, and bag filters has been done using the manufacturer's specifications. The tanks and pumps are metallic (steel and iron) or reinforced polymer equipment used in normal operations at SRS and disposed of without special analyses.

The characterization of the solvent waste residues from the rinsing operations has been done using measured values from analytical chemistry samples and source characterizations[2,3].

3.1 Waste Data

The volume of the waste is 40 x 17 x 8 = 5440 cu. ft. (154 cu. m.)

The weight of the waste is 45,000 lbs. (2.04E+07 g)

The weight of the carbon filter is 2,500 lbs (1.135E+06 g)

The weight of the ion exchange resin unit is 1400 lbs (6.36E+-5 g)

The ion exchange resin is Duolite GT-73.

The spaces on trailer contain job control waste such as the hut. The package for the trailer is a carbon steel box which is only slightly larger than the trailer dimensions.

The waste will be disposed of in the Intermediate Level Non-tritium Vault.

Details of the operations of the closure and job control wastes have been described previously in Rev. 2, page 7 (appended to this revision).

3.2 Measurement Data

The solvent tanks were sampled individually before operations began and analyses were obtained from SRTC and ORNL. The results are summarized below: [2,3]

Measured Alpha and TRU Concentrations

Tank #	Total Alpha, dpm/tank	Total TRU, dpm/tank
S23	9.41E+10	9.13E+10
S26	5.99E+11	5.87E+11
S27 (top)	2.22E+13	8.45E+12
S27 (bottom)	4.98E+11	2.29E+11
S28	1.51E+09	9.69E+08
S29	5.65E+10	5.09E+10
S30	3.07E+10	2.02E+10
Total, dpm	2.35E+13	9.43E+12
Total, Ci	10.59	4.25

Major Gamma Emitter Concentrations

Tank #	Cs-137, Ci/tank	Eu-154, Ci/tank
S23	0.57	—
S26	2.56E-03	—
S27	—	3.14E-01
S28	2.71E-03	—
S29	3.09E-04	—
S30	4.58E-02	—

— No results reported

Using the values from the above gamma measurements and the distribution from Table 3 of Revision 2 (with a typographical correction for I-129 of 4.0E-09 Ci) the quantities of each nuclide in the table for every tank was calculated. The grand totals for activity of each of the nuclides in the solvent then become:

Radionuclidic Characterization

Radionuclide	Total in Solvent, Ci	Total on Trailer, Ci
H-3	1.95	0.195
C-14	1.1E-06	1.1E-07
Co-60	8.29	0.83
Ni-59	4.82E-04	4.82E-05
Se-79	1.39E-05	1.39E-06
Sr-90	1.55	0.155
Tc-99	3.48E-04	3.48E-05
Sn-126	1.39E-06	1.39E-07
Cs-137	2.14	0.21
I-129	7.23E-07	7.23E-08
Eu-154	4.55E-01	4.55E-02
Eu-155	6.68E-02	6.68E-03
Sb-125	6.12E-02	6.12E-02
Zr-95*	9.88E-03	9.88E-04

Radionuclide	Total , Ci	Total on Trailer, Ci
U-233	7.23E-11	7.23E-12
U-234	1.18E-04	1.18E-05
U-235	5.63E-06	5.63E-07
U-236	6.41E-06	6.41E-07
U-238	5.09E-04	5.09E-05
Np-237	2.68E-06	2.68E-07
Pu-238	4.55	0.46
Pu-239	1.07E-01	1.07E-02
Pu-240	2.48E-02	2.48E-03
Pu-241	1.28	0.128
Pu-242	2.31E-06	2.31E-07
Am-241	7.23E-01	7.23E-02
Cm-244	5.87	0.59

* This is an incorrect designation of a gamma ray--Zr-95 cannot exist without Nb-95 being present and its half-life is too short for it to be present. The correct designation for the gamma ray should be Pu-238. The Zr-95 designation is used only because it is in the official records.

When this calculation is compared to the measured alpha concentration and the measured TRU concentration the numbers agree reasonably well, giving confidence in the distribution as stated. The comparison numbers are:

Total Activity in Solvent

Measured [2]	Calculated
Total alpha = 10.59 Ci	12.55 Ci
Total TRU = 4.25 Ci	5.40 Ci

4.0 Quantity Characterization

The quantity of radionuclides resulting from the process of cleaning and closing these solvent tanks has been discussed extensively within Solid Waste Engineering and with the Waste Characterization Board. Because of the ALARA concerns for the workers and the extreme difficulty of representative sampling of solid masses, not enough samples of the right kinds were taken while the process was on-going so that a mass balance for the trailer system components is now impossible.

4.1 Sample Quality

The samples that were taken from the solvent tanks were of a homogenous liquid so the results are expected to be reasonably accurate. This is reflected in the duplicate samples that were analyzed with results agreeing to within 10-25%.

The samples taken from the bag filters were analyzed by two different laboratories, SRTC and GEL in Charleston. The samplings were of a solid material and were small (~0.25 g) because of the radiation involved. The results from the two laboratories differ by a factor of 20-25, indicating a large amount of variability in the sampling of this inhomogeneous solid..

The samples from the carbon filter and the ion exchange resin were also on the order of 0.25-0.33 g and were taken from the surface of the containers. Duplicates were not analyzed, nor were two different laboratories used. If the results are used for the ion exchange resin, the result is that more TRU radionuclides are on the resin than were in the total tank contents. These results cannot be used because of the violation of the mass balance.

3.2 Quantification Reasoning

Chemically it is known that nuclides tied up in the TBP/kerosene solvent will remain with the solvent unless a chemical reaction occurs to displace them from their chelated condition. No chemicals were used when the solvents were pumped from their tanks so the bulk of the radionuclides (and other elements) should have been transferred with the solvent.

The tanks were emptied, 200 gallons of water were added and were subsequently pumped out before the spray cleanup operations began. Since we are dealing with approximately 30,000 gallons of solvent it is possible that 300 gallons of liquid could have been missed during the transfers; however, it is not reasonable that 3000 gallons could not have been reasonably missed. Using this reasoning , it has been agreed with the Waste Characterization Board[4] that use of 10% of the tank contents will serve as an upper bound to quantify the radionuclides and hazardous elements present on the trailer.

5.0 TRU Characterization

The quantity of TRU was measured in the solvent to be 4.25 Ci. Using the 10% value as an upper bound the quantity of TRU in this waste is therefore:

10 % x 4.25 Ci / (45000 lbs x 454 g/lb) = 2.08E-08 Ci / g = 21 nCi/g

TRU waste limiting value = 100 nCi/g

The above result is below the TRU limit of 100 nCi/g, therefore the trailer is not TRU waste.

6.0 Mixed Waste Characterization

Measured results are available for the hazardous volatile organics and metals in the solvent for most of the tanks[3]. (Tanks S24 and S25 were empty.) Hazardous constituent results for the

missing tank, S27, were extrapolated using the following logic. The contents of tank S27 were the organic solvent, not water. If the organic layers of the other tanks had measured values (not "less than" values) then the highest value was used for tank S27. If the organic layers had only one measured value and the remainder of the organic measurements were "less than" values, the measured value was divided by two and used as the value for tank S27. Using this reasoning the following values were calculated.

Hazardous Constituent Totals, grams

Tank	Ag	As	Se	Ba	Cd	Cr	Hg	Pb	MEK	C_6H_6	TCE	PCE
S23 (org)	<5E-3	<5E-3	<2E-3	5.2E-2	<0.011	1.37	1.1	<0.235	<1.25	<0.125	1.63	1.19
S23 (aq)	12.9	1.2	<5E-3	23.1	0.425	2.12	28.3	13.3	97.9	0.34	0.78	0.50
S26 (org)	0.015	<2.25-3	<2.5E-3	0.3	<1.15-3	<1.4E-3	<0.01	<0.026	0.94	<1.4E-3	<1.4E-3	<1.4E-3
S26 (aq)	1.48	<4.8E-3	<5.4E-3	2.58	0.076	0.29	3.51	1.37	1.53	<3E-3	<3E-3	<3E-3
S27	50.47	<0.56	<0.63	231.3	7.15	49.3	96.04	192.8	651	0.245	22.8	16.6
S28 (org)	0.033	<3.6E-4	<4.1E-4	0.15	4.6E-3	0.011	0.062	0.125	0.42	3.2E-4	<2.3E-4	<2.3E-4
S28 (aq)	0.51	<3.4E-4	<3.8E-4	0.41	0.036	0.13	1.03	1.03	--	--	--	--
S30 (org)	<1.4E-3	<1.4E-3	<1.4E-3	0.03	<2.9E-3	0.51	0.31	<6.8E-2	<7.3E-2	<3.6E-3	<3.6E-3	<3.6E-3
S30 (aq)	0.03	0.039	0.09	0.084	0.021	0.074	0.09	<6.4E-2	--	--	--	--
Total (g.)	65.4	1.81	0.074	258	7.73	53.8	130.4	209	753	0.72	25.2	18.3

< less than laboratory detection limit -- less than TCLP detection limit

Chemically it is expected that the metallic elements will occur most frequently in the aqueous phase and that they will be absorbed on the ion exchange resin. This is supported by the measurement data on the solvent. The analytical data from the small samples of the carbon filter and the ion exchange resin[5] confirm that the resin contains the major amount of metallic elements, while the carbon has only incidental amounts.

Taking 10% of the totals above and dividing by the trailer weight leads to the following comparison against the regulatory limits.

Hazardous Constituents, ppm

	Ag	As	Se	Ba	Cd	Cr	Hg	Pb	MEK	C_6H_6	TCE	PCE
Trailer	0.32	0.006	00.04	1.3	0.04	0.26	0.64	1.02	3.68	0.0035	0.12	0.09
Regulatory Limit[6]	5	5	1	100	1	5	0.2	5	2E5	500	500	700

As can be seen, the only potential problem is the mercury concentration exceeding the regulatory limit. It is known from the measurements and chemical experience that the mercury is concentrated on the ion exchange resin. Analyses have been performed on the same ion exchange resin using EPA approved methods for leachability and toxicity[7]. The resin was loaded to capacity with mercury, chromium (III) and lead. (The resin on the trailer is capable of holding 1.46E4 grams of mercury, far more than the 130 grams available from the tank contents.) Samples were sent to Galbraith Laboratories in Knoxville, TN. Results showed that the loaded resin passed the TCLP analysis for all the elements and is therefore considered a non-hazardous waste.

The trailer is therefore a non-hazardous waste because it meets all regulatory requirements for concentration of hazardous constituents or for toxicity testing requirements.

7. REFERENCES

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6. Resource Conservation and Recovery Act (Solid Waste Disposal Act), Subtitle C, Section 3004 as reported in *Environmental Statutes*, 1994 Ed., Government Institutes, Inc., Rockville, MD.

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APPENDIX

~~INFORMATION ONLY~~ BCR 10-17-95

CHARACTERIZATION PLAN FOR LOW LEVEL WASTE GENERATED FROM CLOSURE OF SOLVENT TANKS S23 THROUGH S28

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TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	3
2.0	INTRODUCTION	3
3.0	PROCESS DESCRIPTION	3
4.0	WASTE STREAM CHARACTERIZATION	4
5.0	MIXED WASTE CHARACTERIZATION	7
6.0	ISOTOPIC CHARACTERIZATION	9
7.0	QUALITY DETERMINATION	11
8.0	VALIDATION	11
9.0	REFERENCES	11

LIST OF FIGURES

FIGURE 1	SOLVENT TANK CLOSURE PROCESS FLOW DIAGRAM	12

LIST OF TABLES

TABLE 1	SOLVENT TANK INVENTORY AND SUPPORTING RADIONUCLIDE DISTRIBUTIONS	13
TABLE 2	ESTIMATED SOLVENT TANK INVENTORIES	14
TABLE 3	SOLVENT TANK COMPOSITE INVENTORY	15
TABLE 4	SOLVENT TANK REPORTED CHEMICAL ANALYSIS	16
TABLE 5	EXAMPLE CALCULATION	17

1.0 EXECUTIVE SUMMARY

Closure operations for Solvent Storage Tanks S23 - S28 will be initiated in early 1995 and will result in the one time generation of low level, low level mixed and transuranic (TRU) mixed wastes. RUST Federal Services Incorporated will be the primary subcontractor responsible for providing closure services.

The solvent tanks are located within the Solid Waste Disposal Facility. The entire facility is composed of eight tanks, six of which are being closed. Closure for these six tanks will be conducted in accordance with the closure requirements for underground tanks as described in the South Carolina Hazardous Waste Management Regulations.

Solvent tank closure will generate five solid and seven liquid waste streams. The number of waste streams and the projected waste volumes were developed by RUST in their Environmental Monitoring Plan. All liquid wastes generated during closure operations are outside of the scope of this plan.

The composite radionuclide distribution developed for the solvent wastes is a composite of actual solvent tank samples and distributions for those canyon processes which generate spent solvents. All of the wastes generated from closure operations, with the exception of the carbon filter and the resin bed, will share a common radionuclide distribution. The composite distribution will be verified and the distributions for the carbon filter and resin bed established by sample analysis results as described in the Sampling and Analysis Plan.

2.0 INTRODUCTION

Solvent Tanks S23 - S28 will be closed in accordance with applicable DOE Orders, South Carolina Hazardous Waste Management Regulations, and WSRC requirements. Tank closure services will be provided by a subcontractor, RUST Federal Services Incorporated.

The solvent storage tanks, S23 - S30, were used to store spent solvent wastes generated from F and H-Canyons separation processes. The tanks have been in operation since March 1976 and must be closed to ensure continued compliance with the South Carolina Hazardous Waste Management Regulations.

Each tank will be cleaned to remove as much of the hazardous and radioactive constituents as practical. Once all of the tanks have been washed they will be filled with an inert grout material and abandoned in place. Liquid wastes generated from closure will be stored in the operational storage tanks, S29 and S30. All solid wastes generated during closure operations will be managed in accordance with this plan and the disposal and/or storage procedures provided in the Savannah River Site Waste Acceptance Criteria Manual (U), 1S.

Tanks S23 - S28 will be the only sources of hazardous constituents and radionuclide contamination. A composite radiological distribution has been developed using a combination of available analytical analysis, process knowledge from F and H- Canyons solvent generation and SRS fission products ratio. The composite radiological distribution will be verified by sample analysis as described in the Sample and Analysis Plan.

3.0 PROCESS DESCRIPTION

The original solvent inventory in tanks S23 - S28, approximately 27,000 gallons, was transferred into the operational storage tanks S29 and S30 before October 1994. Approximately 300 gallons of residual solvent remains in tanks S23 -S28 and will be removed during the initial tank flush operations.

Initially each tank will be rinsed with 200 gallons of water. The water will be used to remove the majority of the solvent residues and liquids prior to mechanical washing. Prior to the initiation of

tank washing the interior of each tank will be ventilated. Each tank will remain under negative pressure throughout the cleaning process.

Remote mechanical cleaning of each tank will be performed using a gamajet rotary machine. The jet will be powered hydraulically by the water used to clean the tanks. The jet will be suspended in the center of the tank. The inlet pressure is estimated at 100 psi with a flow rate of 110 gpm, resulting in a cleaning force of ~ 30 lbs/ft^2.

Mechanical cleaning will use approximately 3,000 gallons of water for the entire cleaning process. The water will be recycled through a series of filtering mediums consisting of bag filters, carbon filter, and ion exchange resin. Each tank will undergo three wash cycles. The same 3,000 gallons of recycled water will be used for each wash cycle, for each tank.

Following completion of the mechanical wash cycle for each tank a final rinse will be performed. Approximately 200 gallons of fresh water will be used to complete the final tank wash. The tanks will be filled with an inert material, pumpable grout following washing operations. During this process tank ventilation practices will continue. Grout will be pumped into the tanks to a level just below the tank top. The grout will be allowed to cure for a minimum of two days. Following the initial curing any water released from the curing process will be removed. The remaining tank void space will be grouted and allowed to cure for an additional two weeks. The tank risers will be capped after the two week curing process has passed.

All liquid wastes generated during closure will be stored in the operational solvent tanks S29 and S30 or sent to the 211-F evaporator for further processing prior to release. Liquid wastes generated as a result of closure operations are outside the scope of this characterization plan.

4.0 WASTE STREAM CHARACTERIZATION

Closure operations will generate five separate waste streams; 1) Bag Filters, 2) Carbon Filter Media, 3) Ion Exchange Resin, 4) Process Equipment and 5) Job Control Waste. It is anticipated that low level, low level mixed and mixed TRU wastes will be generated during solvent tank closure. The actual classification of closure generated wastes cannot be fully determined until the waste is generated and the condition of the waste streams is established. Waste streams will be sufficiently characterized for radionuclides and hazardous constituents to support final disposal and/or storage in accordance with applicable requirements provided in the Savannah River Site Waste Acceptance Criteria Manual (U).

The current operational strategy for managing process equipment type wastes is to flush contaminated equipment prior to final disposal to remove as much of the solvent as practical. In the past this flushing has been sufficient to remove contamination to allow disposal as low level waste. However, there are conceivable process equipment failure scenarios that could prohibit equipment flushing, resulting in the potential generation of mixed wastes. Once the waste is generated the mixed waste status will be accurately evaluated. Calculations and TCLP analysis will be completed to support the management of these wastes.

Representative samples will be necessary to support TCLP and radionuclide analysis. Waste streams will be sampled and analyzed in accordance with approved programs, procedures and the Sampling and Analysis Plan. Representative samples will be obtained in accordance with one or more of the following methods:

- DOE Survey Manual, Appendix D
- Environmental Radiation Ambient Monitoring (ERAM) Manual
- EPA's Eastern Environmental Radiation Facility (EERF) Radiochemistry Procedures Manual Guidance
- SW-846, "Test Methods For The Evaluation of Solid Waste, Physical/Chemical Methods".

Any alternative sampling method may be proposed for use, however the alternative sampling method must employ valid statistical methods and provide a defined confidence level (at least 90%). Any alternative sampling method will be approved by Solid Waste Engineering before it is used.

4.1 Waste Volumes

Waste generation resulting from tank cleaning will be composed of both solid and liquid waste streams. The liquid waste streams will be composed of rinsate and grout waters. The five solid waste streams will be composed of job control waste, process equipment and used process filters. Provided below is a breakdown of the specific waste stream volumes that are anticipated.

Solid Waste Generation	Waste Volume
Used Bag Filters	38 ft^3
Ion Exchange Resins	23 ft^3
Carbon Filter Media	65 ft^3
Job Control Waste and Process Equipment (volumes not available for individual streams)	~ 714 ft^3

Liquid Waste Generation	Waste Volume
Initial Solvent Tank Flush (200 gallons/ tank)	1,200 gallons
Mechanical Washing	3,000 gallons
Final tank Rinse (200 gallons/ tank)	1,200 gallons
Grout Water	4,000 gallons
Equipment Decontamination and Washing	330 gallons
Storm Water	As Generated

All of the waste volumes provided in the above table are subcontractor estimates. The waste volume for Job Control Waste and Process Equipment includes 500 ft^3 for the two in process tank. The 500 ft^3 volume is based on disposal of the two empty tanks without any size or volume reduction. Currently size and volume reduction methods for the process tanks cannot be identified since contamination level inside the vessels is unknown. Following the completion of the closure cleaning process, the contamination level in the tanks will be determined and size reduction methods will be evaluated.

Waste stream segregation and volumes were developed by RUST Environmental Services as part of the Environmental Monitoring Plan. The solid wastes streams occur because they are the individual components supporting the closure process. The three filters represent unit operations of the closure process. Job control wastes are generated as necessary to support the entire closure activity to ensure personnel are adequately protected.

All liquid waste generated during closure will be stored in the operational solvent tanks or sent to the 211-F evaporator for further processing prior to release. Liquid waste generated as the result of closure operation are outside the scope of this characterization plan.

4.2 Waste Streams

4.2.1 Bag Filters

Used bag filters are collected in 55 gallon drums for storage. Any free standing liquid is collected and transferred into the operating storage tanks. Inert absorbent, such as "cat litter," "fullers earth," or granulated fired clay, is added to the drum to collect any additional liquid that may collect over the storage period. Samples, in accordance with the previously described methods, have

been collected and are being analyzed to determine concentration of hazardous constituents and radionuclide activity.

The results from the radiological analysis provided by SRTC indicates that the concentration of TRU isotopes is in excess of the limits for low level waste classification, therefore this waste is transuranic. Full analysis for the 22 reportable isotopes is pending. Sample analysis for the 22 reportable nuclides will be completed by General Engineering Laboratory (GEL). The waste will be managed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.06 E-Area, TRU Pads - Transuranic Waste Acceptance Criteria revision.

Sample analysis for hazardous constituents will be conducted by GEL. Prior to final receipt of the analysis results the waste will be stored in accordance with the requirements for mixed waste storage as prescribed in the SW 18 Manual procedures.

4.2.2 Carbon Filters

The used carbon filters will remain contained in their respective processing unit for final disposal. Each will be dewatered, with the resulting liquid being transferred into the operational storage tanks. Representative samples from the carbon filter media will undergo TCLP analysis and analysis for radionuclides, following the completion of dewatering. The results of the sample analysis will serve as the basis for management of this waste as low level, low level mixed or transuranic mixed. Prior to final receipt of the laboratory analysis, the waste will be managed in accordance with the procedure requirements for mixed waste storage established in the SW 18 Manual.

4.2.3 Ion Exchange Resin

The used resin filter will remain contained within its respective processing units for final disposal. The filter will be dewatered. The liquid resulting from the dewatering will be transferred into the operational tanks for storage. Following the completion of dewatering the resins will be sampled to determine hazardous characteristics and verify radiological distribution. The results of the sample analysis will serves as the basis for management of this waste as low level, low level mixed or transuranic mixed. Prior to final receipt of the laboratory analysis, the waste will be managed in accordance with the procedure requirements for mixed waste storage established in the SW 18 Manual.

4.2.4 Process Equipment

The process equipment waste stream will include, but not be limited to, the following components: glove bags and tubing, wipes, bags, used piping, sleeving, rinsed drums, gamma jet, flushed hoses, HEPA filters, stand pipes, process tanks, pumps, and filter housings. Any portion of equipment used to transfer solvent or rinsate will be drained/emptied to as low as reasonable achievable. The residual liquid film remaining on the inside of pumps and piping equipment represents less than 1% of a waste package by volume. The residual liquid film represents a total volume that can be considered incidental. No additional absorbent will be added to waste packages.

Process equipment will be sampled for contamination. The samples will be analyzed and the results will be used in conjunction with the verified composite radiological distribution to establish the concentration of the reportable radionuclides by ratioing.

The mixed waste determination for process equipment will be evaluated by calculations based on the level of residual liquids remaining in the process equipment after flushing. Calculations required to support the mixed waste evaluation will be completed in accordance with applicable procedures in the Conduct of Engineering and Technical Support Manual E7. If the calculations indicate that the waste is hazardous it will be stored in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.07 Mixed Waste Storage Facilities - Mixed

Waste Acceptance Criteria. If the calculations indicate that the waste is non-hazardous low level waste it will be disposed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria. Prior to final analysis of the waste, it will be stored in accordance with the requirements for mixed low level waste storage procedures established in the SW 18 Manual, as required.

A mixed waste calculation is provided in Table 5 as an example of the method that will be used to support the final disposition of potential mixed wastes. All calculations will be completed in accordance with the applicable procedure requirements provided in the Conduct of Engineering and Technical Support (U) Manual E7.

4.2.5 Job Control Waste

Job control wastes will be managed as low level wastes since this waste stream should not come into direct contact with the mixed solvent waste. The routine job control waste will be managed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria.

Job control wastes that directly contact the solvent waste will be managed as non-routine wastes and segregated from other job control wastes. The wastes will be managed as mixed wastes until analysis is completed. If the analysis indicates that the waste is mixed low level waste then it will be stored in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.07 Mixed Waste Storage Facilities - Mixed Waste Acceptance Criteria. If the calculations indicate that the waste is non-hazardous low level waste it will be disposed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria. Prior to final analysis of the waste, it will be stored in accordance with the requirements for mixed low level waste storage procedures established in the SW 18 Manual, as required.

Job control wastes generated during dismantling of the carbon and resin bed will be segregated to align with the respective filters.

Job control wastes will be characterized by using dose to curie conversions. The verified composite distribution provided in Table 3 will be used to scale the concentration of the reportable radionuclides.

5.0 MIXED WASTE CHARACTERIZATION

The solvent waste is a characteristically hazardous waste as defined in the South Carolina Hazardous Waste Management Regulations (SCHWMR) for RCRA metals (waste codes D004 through D011), trichloroethylene (D040) and the corrosivity characteristic (D002). The spent solvent is not a listed waste as described in the SCHWMR under section 261.31 (J. V. Odum to D. G. Salem, SOLVENT TANKS WASTE CHARACTERIZATION - SWE-REC-95-0085 (U), ESH-FSS-95-0256, May 3, 1995). The PUREX process has been evaluated and a determination made that process solvents do not meet the definition of F-Listed solvents as provided in the SCHWMR under section 261.31. The solvent waste does contain hazardous constituents in concentrations exceeding regulatory limits and is therefore characteristically hazardous. Classification of the solvent waste as characteristically hazardous has previously been discussed with the SCDHEC. In addition the waste was presented as characteristically hazardous in the Closure Plan which was submitted to and approved by the SCDHEC. A description of the solvent waste, including hazardous constituents, was provided in the closure plan along with the proposed tank cleaning method.

The solvent waste does not exhibit the characteristic of ignitability since it has a flash point of 206 °F, which is greater than the regulatory limit of 140 °F. Any mixed wastes generated during closure will be segregated for proper storage and/or disposal by the waste operator and/or the GCO.

The liquid solvent waste was sampled and analyzed for toxicity characteristic in 1991. The results from this analysis confirmed that the solvent waste is mixed waste, characteristically hazardous for metals and organic compounds (Table 4). The primary composition of the solvent is n-paraffin, tributyl phosphate and water. The waste mixture when stored for extended time periods will separate into two phases, an organic phase and an aqueous phase. Representative samples were taken from each phase and analyzed during initial solvent sampling activities.

Representative samples from the top (organic) phase were taken using a drop tube. The tube was lowered to the surface of the waste and the sample was collected. A minimum top phase thickness of six inches was required for accurate sampling of the top phase. The waste surface level was determined based on the recorded tank volumes obtained from bimonthly tank rodding.

Sampling from the tank bottom (aqueous phase) was achieved using a Bacon bomb. The sampling mechanism was lowered to the tank bottom. When the sampling mechanism reached the tank bottom, impact with the tank caused the sampling mechanism to open collecting a bottom phase sample. When this mechanism was removed from contact with the tank bottom the mechanism immediately closed trapping/collecting a representative bottom phase sample.

The hazardous chemical composition of the solvent waste was established from sample results for tanks S23 - S30 taken in 1991. Tank samples were analyzed for volatile, semivolatiles, metals, and both gamma and alpha pulse height analysis (PHA). The pH and density of each phase was also analyzed. Each layer of each tank was sampled. TCLP analysis was provided by Oak Ridge National Laboratories. Radionuclide screening was provided by SRTC. TCLP sample results for tank S27 are not available and tanks S24 and S25 are empty.

The classification of a waste stream or package as hazardous or non-hazardous waste will be determined by a combination of laboratory analysis and/or calculations. The used filters, (bag, carbon, ion exchange) will be classified based on the results of TCLP analysis, and pH testing. Representative samples will be taken from the filters and analyzed. All sampling and transportation of samples will be completed in accordance with approved sampling and chain of custody procedures.

The classification of the job control and process equipment waste streams will be determined based on the condition of the waste materials and additional calculation as required to support final disposal using the direction provided in the Hazardous Waste Management Regulations R.61-79.261. Using the following formula to calculate the concentration of hazardous constituents in a waste stream is an accepted regulatory method for determining the status of a waste package:

$$\text{Concentration Hazardous Constituents} = \frac{\text{Mass Hazardous Constituents}}{(\text{Mass Waste Stream} + \text{Mass Solvent Waste}) * 20}$$

The calculations will be completed using mercury as the hazardous constituent indicator. Mercury is selected as the initial indicator since it has the lowest regulatory limit of any of the other chemicals. The original concentration of mercury identified in the original sample analysis will be used to calculate the mass of mercury for all of the calculations. The original concentration of mercury represents the most conservative concentration. If mercury is present at a level above the regulatory limit the waste will be managed as a mixed waste in accordance with the applicable procedures. If mercury is not present above the regulatory limit the waste will be managed as low level waste in accordance with applicable procedures.

Any hazardous chemicals that are introduced into the closure process will be managed in accordance with the requirements provided in the Industrial Hygiene Manual (U), 4Q. To date the closure process is not anticipated to require the introduction of any new and/or hazardous chemicals into the process.

6.0 ISOTOPIC CHARACTERIZATION

DOE Order 5820.2A requires that low level waste be characterized with sufficient accuracy to permit its proper segregation, treatment, storage and disposal. The activity of major radionuclides shall be recorded on the waste manifest. Radionuclide activities may be determined by direct methods, or by indirect methods if there is reasonable assurance that the indirect methods can be correlated with actual measurements.

Radiological characterization of a waste stream involves two steps: 1) development of a list of radionuclides contained in the waste and their relative activities (radionuclide distribution), and 2) development of a method for determining the quantity of each radionuclide in a waste package (radionuclide quantification).

6.1 Radionuclide Distribution

An evaluation has been completed which identifies a composite radionuclide distribution for the solvent waste. Results from this analysis are presented in Table 3. The composite radionuclide distribution is based on sample analysis results from the solvent waste (Table 1), radionuclide distributions from H-Canyon, F-Canyon and the SRS fission products ratio (Tables 1 and 2). The composite distribution for the solvent waste was developed using the radionuclide distributions for F and H canyons to address the reportable radionuclides that were not directly measured during the initial liquid waste sample analysis. The radionuclide distribution will be verified in accordance with the requirements in the Sampling and Analysis Plan.

The composite inventory was developed by ratioing the known solvent inventory to the established distributions for H-Canyon, F-Canyon and the SRS fission products. The ratio of fission products for the composite distribution was developed by using the maximum ratio from the SRS fission products to Cs 137 from the tank samples. The radionuclides not addressed by actual tank samples were estimated by ratioing the tank inventory of Pu 238 to the H-Canyon distribution, and by ratioing the tank inventory of Pu 239 to F-Canyon distribution. The maximum value for each radionuclide resulting from the three ratio distributions was selected as representative of the solvent waste radionuclide distribution (Table 3).

The composite distribution is representative of the initial solvent waste. The bulk of the solvent residue will be transferred to the operational solvent tanks during the initial 200 gallon tank flush operation. After the initial flush, tank washing operations will commence. The waste water will be processed as shown in Figure 1.

The function of the bag filter is to capture particulate which is large enough to foul the operation of the carbon filter and resin bed. The bag filter will not separate radionuclides. The bag filters will be sampled and analyzed by GEL for the 22 reportable radionuclides, as stated in with the Sampling and Analysis Plan. The bag filter sample analysis results will be compared to the composite distribution. Please note that results from the laboratory analysis of the bag filter will be used where discrepancies between the sample analysis and the composite distribution exist. The verified composite distribution, or bag filter distribution, will be used to quantify the radionuclide composition for the job control and the process equipment waste streams.

The bag filter waste stream is TRU waste. This classification is based on the concentration of transuranics being in excess of 100 nCi/g. The TRU waste classification has no impact on the isotopic distribution. The distribution of transuranic isotopes from the SRTC screening analysis aligns with, or is less than, the curie fractions provided in Table 3 for the same isotopes. The SRTC screening analysis does not provide results for the full 22 reportable nuclides. The isotopic distribution will be revised as necessary when the full analysis from GEL is available.

The composite distribution does not credit the removal or reduction of any radionuclides by the filtering operation. Use of the verified composite distribution will ensure that all of the reportable

radionuclides are quantified and manifested in accordance with the applicable requirements provided in the 1S Manual.

Tank cleaning and bag filter change out are the primary activities conducted during closure operations. The carbon filter and resin bed are contained in the process and are not modified during closure filtering operations. The only source of contamination for job control wastes during operations is the bag filter and possible process water leaks. The job control waste will therefore have the same radiological distribution as that of the composite (bag filter) distribution.

Job control waste generated during dismantling of the carbon filter and resin bed will be segregated with their respective filters to ensure representative radionuclide distributions are maintained.

Contaminated process equipment will be generated during the dismantling of the filtering process. The verified composite radiological distribution (bag filter distribution) will be used to establish the radiological characterization for process equipment. The carbon filter will only effectively remove I 129 from the radionuclide contaminates. The resin bed is designed to remove metals and will affect some of the radionuclides in the waste stream. Together the filters will remove constituents and reduce the overall concentration of particular isotopes in the process equipment down stream from these unit operations. However, use of the composite (bag filter) distribution will ensure that all reportable radionuclides are conservatively addressed.

The radiological distribution for the resin bed and carbon filter will be established by analysis of representative samples for the 22 reportable radionuclides. The carbon filter and resin bed are designed to operate for the duration of the closure operations and will not be changed out during filtering operations.

6.2 Radionuclide Quantification

All waste sampling and evaluations establishing the total curies for the waste packages will be conducted in accordance with approved procedures.

Bag filters will not be characterized since they are classified as TRU waste. However this waste stream will serve as the basis for establishing/verifying the composite distribution. The composite radiological distribution will be verified by laboratory analysis for the reportable radionuclides. The bag filters will be sampled in accordance with approved sampling methods to verify the radionuclide distribution. TCLP analysis will also be completed for bag filter samples to determine hazardous constituents.

If the waste samples from the bag filter do not confirm that initial characterization is within an order of magnitude of the composite radiological distribution, Table 3, then the composite distribution will be modified to align with the laboratory results.

The radionuclide characterization for routine job control and process equipment waste streams will be the same as that for the bag filters. Smear sampling of the waste and analysis of the smears will be completed to verify characterization of these materials. The evaluation used to establish the total curies for each reportable radionuclide, for each waste package, will be the same as that described for the bag filters.

Smear samples of the process equipment will be collected and analyzed. The samples will be analyzed for radionuclides present. The ratio of these radionuclides will be used as supporting evidence that ratios below the minimum detectable levels are consistent with proper disposal of this solid waste. All smear sampling will be conducted and analyzed in accordance with procedures, which are currently under development. Ratioing, dose-to-curie, based on the verified distribution will be used as the method for quantifying waste packages radiological characterization.

Quantification of 22 reportable radionuclides for the carbon filter and resin bed will be based on the results of the laboratory analysis and/or supporting ratios of radionuclides present at detectable levels. The concentration of each of the reportable radionuclides will be determined.

7.0 QUALITY DETERMINATION

The waste streams will be characterized using sample analyses. Results from smear analysis will confirm the characterization. The verified characterizations will be the basis for dose to curie calculations for each of the packages of wastes. Calculations supporting waste package characterization will be reviewed by an independent qualified review in accordance with the requirements of the Conduct of Engineering and Technical Support Manual (U) E7, 2.31 Engineering Calculations.

8.0 VALIDATION

Validation of the Solvent Tank Closure Radionuclide Characterization will be validated as specified in the attached Solvent Tank Closure Sampling and Analysis Plan.

9.0 REFERENCES

1. White, E. L., Solvent Tank Waste Characterization (U), SRT-WED-94-0118, November 4, 1994.

2. Reed, S. R., Solvent Tanks (S23 - S30) Interim Closure Plan, SWE-SWE-94-0279, July 1, 1994.

3. RUST Federal Services Incorporated, Environmental Monitoring Plan Revision 1, 731055-052-MJR, September 9, 1994.

4. Savannah River Site Waste Acceptance Criteria Manual 1S.

5. Wood, R. W., Thomason, R. S., Radioisotope Characterization of F-Canyon Low-Level Waste (U), WSRC-TR-94-0516.

6. Solvent Tank Waste Transfer, Q-CLC-E-00006, December 2, 1994.

7. Example Radioisotopic Characterization Plans for Low-Level Waste July 1994.

8. Solvent Tanks Waste Analysis Plan, April 7, 1994.

9. Ries, M. J., Requested Information on the Carbon Unit and Ion Exchanger, RUST Federal Services Incorporated, 731055-044-MJR, August 8, 1994.

10. Jackson, R. W., Visnyai, T. A., Kay, E. F., 221/211-H Characterization Plan for Low-Level Radioactive Waste, NMP-SHC-94-0971.

11. DiPrete, D. P., Peterson, S. F., Results - Radiological Analysis of a Bag Filter Sample (U), SRT-ADS-95-1088, May 5, 1995.

12. DiPrete, D. P., Peterson, S. F., Results - Radiological Analysis of a Bag Filter Sample (U), SRT-ADS-95-1104, June 16, 1995.

13. DiPrete, D. P., Results - Radiological Analysis of an SWE Atomic Swipe Sample (U), SRT-ADS-95-1106, June 20 1995.

Figure 1

Solvent Tank Closure Process Flow Diagram

Table 1

Solvent Tank Inventory and Supporting Radionuclide Distributions

Radionuclide	1 Solvent Tanks 23 -30 Inventory Total Curies	2 H-Canyon Hot Side Relative Activity	3 F-Canyon Hot Side Relative Activity	4 Fission Product Relative Activity
^{3}H	1.1E-02	3.2E-04	9.5E-04	
^{14}C		2.0E-07	8.4E-09	
^{60}Co	8.9E-05	1.5E-04	7.3E-04	
^{59}Ni		9.9E-06	5.6E-05	
^{79}Se		4.2E-07	1.0E-06	6.13E-06
^{90}Sr		5.0E-02	1.9E-01	1.0E+00
^{99}Tc		1.5E-05	4.0E-05	2.3E-04
^{126}Sn		3.2E-08	1.7E-07	8.6E-07
^{137}Cs	7.9E-03	8.9E-02	2.5E-01	1.0E+00
^{129}I		2.1E-08	8.4E-08	4.5E-07
^{154}Eu	2.5E-03			
^{155}Eu	3.7E-04			
^{125}Sb	3.4E-04			
^{95}Zr	5.5E-05			
^{233}U		1.3E-11	2.1E-12	
^{234}U		2.1E-05	4.7E-08	
^{235}U		9.4E-08	6.7E-07	
^{236}U		1.2E-06	6.8E-07	
^{238}U		3.3E-09	6.2E-05	
^{237}Np		4.8E-07	8.9E-08	
^{238}Pu	2.5E-02	8.1E-01	3.6E-04	
^{239}Pu	6.0E-04	5.9E-04	1.3E-02	
^{240}Pu		3.4E-04	2.9E-03	
^{241}Pu		1.7E-02	1.5E-01	
^{242}Pu		4.1E-07	2.8E-07	
^{241}Am	2.6E-03	1.9E-04	1.4E-03	
^{244}Cm	3.3E-02			
Other Beta/ Gamma				

1. SWE-SWE-94-0279 and SWE-SWE-94-0571
2. NMP-SHC-94-0971
3. WSRC-TR-94-0516
4. EPD-CTG-94-0006

Table 2

Estimated Solvent Tank Inventories

Radionuclide	1 Estimated Inventory Based on H-Canyon & Solvent Tanks ^{238}Pu Curies	2 Estimated Inventory Based on F-Canyon & Solvent Tanks ^{239}Pu Curies	3 Estimated Inventory Based on Fission Product Distribution & Solvent Tanks ^{137}Cs Curies
^{3}H	9.7E-06	4.5E-05	
^{14}C	6.2E-09	4.0E-10	
^{60}Co	4.7E-02	3.5E-05	
^{59}Ni	3.1E-07	2.7E-06	
^{79}Se	1.3E-08	7.8E-08	4.8E-08
^{90}Sr	1.5E-03	8.8E-03	8.0E-03
^{99}Tc	4.6E-07	1.9E-06	1.8E-06
^{126}Sn	9.7E-10	7.9E-09	6.8E-09
^{137}Cs	2.7E-03	1.2E-02	7.9E-03
^{129}I	6.6E-10	4.0E-09	3.5E-09
^{154}Eu	—		
^{155}Eu			
^{125}Sb			
^{95}Zr			
^{233}U	4.1E-13	9.9E-14	
^{234}U	6.6E-07	2.2E-09	
^{235}U	2.9E-09	3.2E-08	
^{236}U	3.6E-08	3.2E-08	
^{238}U	1.0E-10	2.9E-06	
^{237}Np	1.5E-06	4.2E-09	
^{238}Pu	2.5E-02	1.7E-05	
^{239}Pu	1.8E-05	6.0E-04	
^{240}Pu	1.0E-05	1.4E-04	
^{241}Pu	5.1E-04	7.2E-03	
^{242}Pu	1.3E-08	1.3E-08	
^{241}Am	5.9E-06	6.5E-05	
^{244}Cm			
Other Beta/ Gamma			

1. Based on information provided in NMP-SHC-94-0971, see Table 1, column 2. Total curies for ^{238}Pu based on information provided in Table 1, column 1.
2. Based on information provided in WSRC-TR-94-0516, see Table 1, column 3. Total curies for ^{239}Pu based on information provided in Table 1, column 1.
3. Based on information provided in EPD-CTG-94-0006, see Table 1, column 4. Total curies of ^{137}Cs based on information provided in Table 1, column 1.

Table 3

Solvent Tank Composite Inventory

Radionuclide	Solvent Tank Composite Inventory Curies	Curie Fractions	LAWV WAC Curies/Box
^{3}H	1.1E-02[1]	7.3E-02	1.0E+01
^{14}C	6.2E-09[2]	4.1E-08	3.3E-03
^{60}Co	4.7E-02[2]	3.1E-01	2.3E+01
^{59}Ni	2.7E-06[3]	1.8E-05	6.3E-02
^{79}Se	7.8E-08[3]	5.2E-07	5.2E-04
^{90}Sr	8.8E-03[3]	5.8E-02	1.1E+00
^{99}Tc	1.9E-06[3]	1.3E-05	1.7E-04
^{126}Sn	7.9E-09[3]	5.2E-08	2.9E-04
^{137}Cs	1.2E-02[3]	8.0E-02	7.6E-01
^{129}I	4.0E-07[3]	2.7E-06	8.3E-08
^{154}Eu	2.5E-03[1]	1.7E-02	NWL
^{155}Eu	3.7E-04[1]	2.5E-03	NWL
^{125}Sb	3.4E-04[1]	2.3E-03	NWL
^{95}Zr	5.5E-05[1]	3.7E-04	NWL
^{233}U	4.1E-13[2]	2.7E-12	2.2E-05
^{234}U	6.6E-07[2]	4.4E-06	7.5E-03
^{235}U	3.2E-08[3]	2.1E-07	1.1E-04
^{236}U	3.6E-08[2]	2.4E-07	1.4E-03
^{238}U	2.9E-06[3]	1.9E-05	2.3E-03
^{237}Np	1.5E-08[2]	1.0E-07	2.2E-05
^{238}Pu	2.5E-02[1]	1.7E-01	9.1E-02
^{239}Pu	6.0E-04[1]	4.0E-03	9.1E-02
^{240}Pu	1.4E-04[3]	9.3E-04	9.1E-02
^{241}Pu	7.2E-03[3]	4.8E-02	1.1E+00
^{242}Pu	1.3E-08[3]	8.6E-08	9.1E-02
^{241}Am	2.6E-03[1]	2.7E-02	9.1E-02
^{244}Cm	3.3E-02[1]	2.2E-01	NWL
Other Alpha	3.3E-02[6]	Individually Addressed Above	3.7E-03
Other Beta/ Gamma	3.3E-03[5]	Individually Addressed Above	2.3E +00

1. Total curies based on information provided in Table 1, column 1.
2. Total curies based on H-Canyon Distribution provided in Table 2, column 1.
3. Total curies based on F-Canyon Distribution provided in Table 2, column 2.
4. Total curies based on Fission Product Distribution provided in Table 2, column 3.
5. Sum of inventories for ^{95}Zr, ^{125}Sb, ^{154}Eu, and ^{155}Eu.
6. Sum of inventories for ^{244}Cm.

NWL No specific Waste Acceptance Criteria Limit

Table 4

Solvent Tank Reported Chemical Analysis

Place Holder for actual Table 4

Table 5

Example Calculation
Limiting Case Solvent Volume Required for Classification as Hazardous Waste

Glove Bag Example

A. Calculation Supporting Information

Mercury will be used in the calculation as the indicator for hazardous waste. Mercury is selected because it has the lowest regulatory limit of any of the hazardous constituents identified in the wastes (see Table 4).

The largest average concentration found in any of the original eight tanks will be used in the calculation to be conservative. Concentration of mercury is 13.4 mg/L.

The glove bag is a portable "hut-like" structure use to provide contamination containment. The glove bag is a 8' high structure with eight glove ports, four glove port on opposing sides. Access into the glove bag is thorough a zipper door adjacent to the glove ports. The glove bag access is for equipment only no personnel entry is permitted once the tanks is opened in the glove bag. The bottom dimensions of the bag are 3 ft by 3 ft square. The bag is tie-wrapped to a pipe stand which provides support for the plastic glove bag. The entire unit weighs approximately 30 lbs.

Solvent density is 800 kg/m^3.

Regulatory limit for mercury is 0.2 ppm.

Formula:

$$\text{Concentration Hazardous Constituents} = \frac{\text{Mass Hazardous Constituents}}{(\text{Mass Waste Stream} + \text{Mass Solvent Waste}) * 20}$$

$$\text{Concentration Hazardous Constituent} = \frac{M_{Hg}}{(M_{Glove\ Bag} + M_{Solvent}) * 20}$$

B. Calculating Mass Hazardous Constituent

$M_{Hg} = [Hg] * V_{Solvent}$

$M_{Hg} = 13.4\ mg/L\ (1000L/264.2\ gallon) * V_{Solvent} = 50.7\ mg/gallon * V_{Solvent}$

$M_{Hg} = 50.7\ mg/gallon * V_{Solvent}$

C. Calculating Mass Glove Bag

$M_{Glove\ Bag} = 30\ lbs.\ (1\ Kg/2.2\ lbs.) = 13.6\ Kg$

$M_{Glove\ Bag} = 13.6\ Kg$

D. Calculating Mass Solvent

$M_{Solvent} = Density_{Solvent} * V_{Solvent}$

$M_{Solvent} = 800\ Kg/m^3\ (1m^3/264.2\ gallon) * V_{Solvent} = 3.0\ Kg/gallon * V_{Solvent}$

$M_{Solvent} = 3.0\ Kg/gallon * V_{Solvent}$

E. Calculating Solvent Volume

$$0.2\ ppm = \frac{50.7\ mg/gallon * V_{Solvent}}{20 * (50.7\ mg/gallon * V_{Solvent} + 13.6\ Kg)}$$

$54.4\ mg + 12\ mg/gallon * V_{Solvent} = 50.7\ mg/gallon * V_{Solvent}$

$54.4\ mg = 38.7\ mg/gallon * V_{Solvent}$

$V_{Solvent} = 1.4\ gallon$

F. Equivalent Floor Layer Thickness

$1.4\ gallon\ (35.32\ ft^3/264.2\ gallon) = 1.9\ ft^3$

$1.9\ ft3 = 3\ ft * 3\ ft * Film\ Thickness$

$Film\ Thickness = 0.2\ ft * (12\ inch/1\ ft) = 2.5\ inch$

Film Thickness = 2.5 inch

G. Conclusion

A layer of solvent on the floor of the glove box 2.5 inches thick is required it to be considered hazardous waste. Visible wetness in the glove box in the form of solvent droplets or condensation will not result in the classification of the waste a hazardous since this volume is well below the solvent volume limit.

DIVIDER PAGE

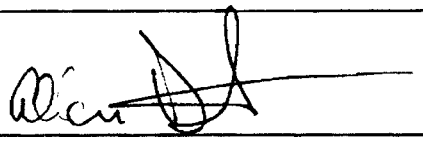
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P049
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Solvent Tanks (S23 – S30) Interim Closure Plan (U)	
Source Document Reference Information (author(s), document and revision number, date, publisher): S.K. Nicodemus, SWE-SWE-94-0279, Rev. 3, 04/30/1996	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR4, PR5, WS2, WS8, WS9, WS11, WS12, S9	Throughout	The SRS currently stores various solvent waste in two underground solvent tanks (S29 and S30). Figure 1 (page 9) identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Tanks S29 and S30 are a RCRA interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility (LLRWDF). Tanks S29 and S30 were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene. Tanks S23 through S28 were declared unfit for use April 10, 1992, and the contents transferred to S29 and S30, and interim closure completed in August 1995. Replacement tanks for S29 and S30 have been permitted and constructed for storage of the consolidated solvent waste. Replacement tanks are available and waste currently in S29 and S30 will be transferred by October 1996. Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of Phase I (Interim Closure of S23 through S28) - completed August 1995., Phase 2 (Interim Closure of S29 and S30), Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (33H through 36H) by October 31, 1996, Phase 3 (Final Closure of S23 through S30). This Interim Closure Plan for S29 and S30 describes the location and operation of solvent tanks and the activities required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. Table 1 on page 17 is the chemical analysis for the tanks, and Table 2 on page 18 lists the radioactive constituents in the tanks.

CCP RECORDS ORIGINAL
DATE REC'D 11-19-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P049
Source Document Data Limitations (if any): 1. Best available copy	
Acceptable Knowlege Expert: Allen Dickerson /  Date: 06/15/2012 Print /Sign	

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

OSR 19-197# (Rev 10-27-93)

Design Change Form (DCF)

DBMWZR

1. DCF No.	M-DCF-E-00015	2. Page 1 of 30

3. Supersedes: N/A

4. Functional Classification: ☐ NS ☐ CP ☒ PS ☐ GS

5. Security Classification: ☒ U ☐ UCNI ☐ Other _____

6. Area	7. Project No. and Name
E	E211022 - BURIAL GROUND SOLVENT STORAGE TANKS S23 - S28 RCRA CLOSURE

8. Originator	Date	9. Organization	10. Address	11. Phone
W.A. Yoon	10/04/94	E&PD/DE	966W-B10-015	952-5165

12. WA Concurrence: ☐ Yes ☒ No

13. Documents (No.) Requiring Change	Rev
M-SPP-E-00006	2

14. Reference Documents (No.)	Rev
SWE-SWE-94-0279, Interim Closure of Solvent Tanks S23 through S30, July 1, 1994	N/A

Section I Originator

15. Reason for Change

The specification requires a revision to allow the use of class DOT 17C drums and to include the SC DHEC approved closure plan. New site training has consolidated some of the training requirements. (2)

16. Description of Change

Change appropriate paragraphs to allow the use of DOT 17C drums (see page 2 of 2).

Cont'd on Page N/A

Replace Attachment 9.1 with the approved closure plan (referenced above).

Remove the WSRC Safety and Security training (2 hrs.) requirement from paragraph 3.2.

17. Location: N/A DWL 10/10/94

Cont'd on Page 2. Elevation N/A

18. Approval (Originator's Manager) Date	19. Issue Date	20. Physical Work Required?
N/A	10/4/94	☐ Yes ☒ No

Section II Approval

21. Design Input and Other Documents Review?

SAR ☐ Yes ☐ No ☒ N/A

DPHR ☐ Yes ☐ No ☒ N/A

QAR ☐ Yes ☐ No ☒ N/A

QIP ☐ Yes ☐ No ☒ N/A

QAR/QIP No. N/A

22. BCP Required?

☐ Yes ☒ No

BCP No. N/A

23. Design Reviews

ALARA Reviewed Required? ☐ Yes ☒ No

USQD Required? ☐ Yes ☒ No

24. Responsible Engineer W.A. Yoon Date 10/10/94

25. Verifier/Checker D.L. Lea Date 10/10/94

26. Reviews and Approvals

Name	Org/Dept	Initial	Date
S. R. Reed	SWE	SRR	10/10/94

Date 10-18-94

Rec. By DBL

DOCUMENT CONTROL CENTER CS

ENGINEERING DOC. CONTROL - SRS

00113499

27. Technical Justification/Disapproval Reason

The interim closure plan was approved by SC DHEC on 09/19/94. The subcontractor must perform the closure in accordance with the approved plan. The approved closure plan will not change the subcontract.

Allowing the use of DOT 17C will allow the subcontractor greater flexibility in waste disposal of the drums and the waste materials and will not impact any storage or transport regulations.

☒ Approval ☐ Disapproval

JC Hunt 10/12/94

RL D.W. Wright 10/11/94

Signature Date

Design Change Form Continuation Sheet

Change Procurement Specification M-SPP-E-00006 as follows:

Revise Section 3.2 to read:

All personnel brought on site shall successfully complete WSRC General Employee Training (GET) (8 hours upon arrival at SRS.

Revise Section 1.3.3 to read:

The Supplier shall provide all storage and waste containers, such as rinsate sample containers, DOT 17E **or 17C** 55-gallon drums, intermediate bulk containers, and the necessary spill containment as required for rinsate and waste handling. WSRC shall provide all B-12 boxes, B-25 boxes, etc., as required by the Supplier for radioactive waste disposal.

Revise Section 5.2.13 to read:

Rinsate that is categorized by laboratory analysis as hazardous and radioactive (See Attachment 9.5) will be sent to either tank S29 or S30, or another tank in the vicinity, as directed by the STR. The subcontractor shall determine the method to transfer the waste rinsate from tank to tank (i.e., via pumps and hoses, drums, vacuum trailer, etc.). Should the selected method of transferal be drumming the waste, the Supplier shall provide DOT 17E **or 17C** 55-gallon drums and the necessary transportation to those tanks.

Revise Section 5.2.14 to read:

Rinsate that is categorized by laboratory analysis as hazardous but meets acceptable radiation limits as determined by WSRC (See Attachment 9.5) shall be sent to either tank S29 or S30, another tank in the vicinity, or drummed for storage (Supplier responsible for providing drums), as directed by the STR. The subcontractor shall determine the method to transfer the waste rinsate from tank to tank (i.e., via pumps and hoses, drums, vacuum trailer, etc.). Should the selected method of transferal be drumming the waste, the Supplier shall provide DOT 17E **or 17C** 55-gallon drums and the transportation to those tanks.

Revise Section 5.2.15 to read:

Rinsate that is categorized by laboratory analysis as nonhazardous but exceeds the acceptable radiation limits as determined by WSRC (See Attachment 9.5) shall be drummed by the Supplier. The Supplier shall provide the necessary DOT 17E **or 17C** 55-gallon drums and temporary storage. WSRC shall provide the necessary transportation to an approved waste storage/treatment/disposal facility in accordance with federal and state regulations and site procedures. Should WSRC use a tanker truck to transport the rinsate, the Supplier shall provide a method, e.g., drum pumps, of transferring the waste from the drums to the tanker truck.

Replace Attachment 9.1 with the attached closure plan, SWE-SWE-94-0279, "Solvent Tanks (S23 - S30) Interim Closure Plan (U)", July 1, 1994.

SWE-SWE-94-0279
Interim Closure of Solvent Tanks S23 through S30
July 1, 1994

SOLVENT TANKS (S23- S30) INTERIM CLOSURE PLAN (U)

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M-DCF-E-00015, PAGE 4 of 30

TABLE OF CONTENTS

Section			Page
LIST OF TABLES			ii
LIST OF FIGURES			ii
LIST OF APPENDICES			ii
1.0	INTRODUCTION		
	1.1	Background	1
	1.2	Regulatory Basis for Closure	5
	1.3	Summary of Closure Plan	6
2.0	BACKGROUND DATA		
	2.1	Tank Description	6
	2.2	Waste Characterization	11
3.0	DESCRIPTION OF CLOSURE ACTIVITIES		
	3.1	Safety	15
	3.2	Tank Decontamination	16
		3.2.1 Render Interior Atmosphere Inert	17
		3.2.2 Set Up for Remote Cleaning	17
		3.2.3 Remote Tank Cleaning	17
		3.2.4 Final Rinse	18
		3.2.5 Transfer and Storage of Rinse Solution	18
		3.2.6 Storage and Disposal of Filters and Resin	19
	3.3	Inert Filling of Tanks and Risers	19
		3.3.1 Technical Justification of Inert Fill Material	19
		3.3.2 Justification of Fill Material to Support Cap	20
		3.3.3 Sealing Tank Openings	20
	3.4	Schedule	21
4.0	EQUIPMENT DECONTAMINATION		23
5.0	EROSION AND SEDIMENTATION CONTROL PLAN		23
6.0	MAINTENANCE OF CLOSURE PLAN		23
7.0	LLRWDF CLOSURE		24

M-DCF-E-00015, PAGE 50 of 30

Section		Page
TABLES		
Table 1	Reported Chemical Analyses	13
Table 2	Radioactive Constituents Identified in Solvent Tanks S23-S30	14
FIGURES		
Figure 1	Tank Location	4
Figure 2	Burial Ground Configuration	9
Figure 3	Schematic of a Typical Tank	10
Figure 4	Preliminary Schedule for Solvent Tanks Closure	22
Figure 5	LLRWDF Location Map at E-Area	25

APPENDICES

Appendix 1 Q-CP-E-001 Underground Solvent Storage Tanks Plan/Sections/Details

Appendix 2 C-ERP-E-00007 Stormwater Management and Sediment Control Plan for the Underground Solvent Storage Tanks Closure (U)

1. INTRODUCTION

1.1 Background

The United States Department of Energy (DOE) owns and operates the Savannah River Site (SRS), a nuclear materials production facility located in Aiken, South Carolina. Operations at the SRS have resulted in the generation, storage, and disposal of various wastes, including solid, hazardous, and mixed waste. The SRS currently stores various solvent waste in eight underground solvent tanks (S23 through S30). Figure 1 identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities.

Tanks S23 through S30 are a Resource and Conservation and Recovery Act (RCRA) interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility. The tanks were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene.

Tanks S23 through S28, which were 15 years old in 1990, were declared unfit for use April 10, 1992. Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The waste from these tanks has been transferred to S29 and S30. Tanks S29 and S30 were integrity tested in November, 1993, and will be used to store the consolidated

waste. Tanks S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements in October of 1996. At this time, there are no plans to upgrade tanks S29 and S30 to comply with leak detection requirements. Instead, replacement tanks will be permitted and constructed for storage of the consolidated solvent waste. Replacement tanks will be available by October 1996, dependent on SCDHEC approval of the Part A for these tanks by September 1994.

The interim closure of solvent tanks S23 through S30 will consist of triple rinsing and grouting the tanks in preparation for the final closure. The final closure of the solvent tanks will be completed as part of the Low Level Radioactive Waste Disposal Facility Closure (LLRWDF) low permeability cover system. The Mixed Waste Management Closure Plan (Volume 2-LLRWDF) will be amended to include closure of the solvent tanks.

Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of the following:

Phase 1 (Interim Closure of S23 through S28)
•S23 through S28 will be triple rinsed and filled with grout.
•The area around these tanks will be regraded and managed according to an approved Soil and Erosion Plan.

Phase 2 (Interim Closure of S29 and S30)
•Annual integrity test of S29 and S30 will be conducted as required each November until all waste is removed from the tanks.
•S29 and S30 will be used for the temporary storage of all solvent waste and rinse solution that is generated from the interim closure of S23 through S28.
•S29 and S30 will continue to be rodded and inspected, and sumps will be checked per RCRA Interim Status requirements.
•Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (S33 - S36) by October 31, 1996. This date is tentative and dependent on the replacement tank permitting and construction schedule.

•S29 and S30 will be triple rinsed and filled with grout.

•The area around these tanks will be regraded and managed according to an approved Soil and Erosion Plan.

Phase 3 (Final Closure of S23 through S30)

•The LLRWDF Closure Plan will be amended to include S23 - S30.

•S23 through S30 and S32 which was closed in 1988 will be capped as part of the LLRWDF Closure.

Section 3 of this document will address the details of the Interim Closure of S23 through S30.

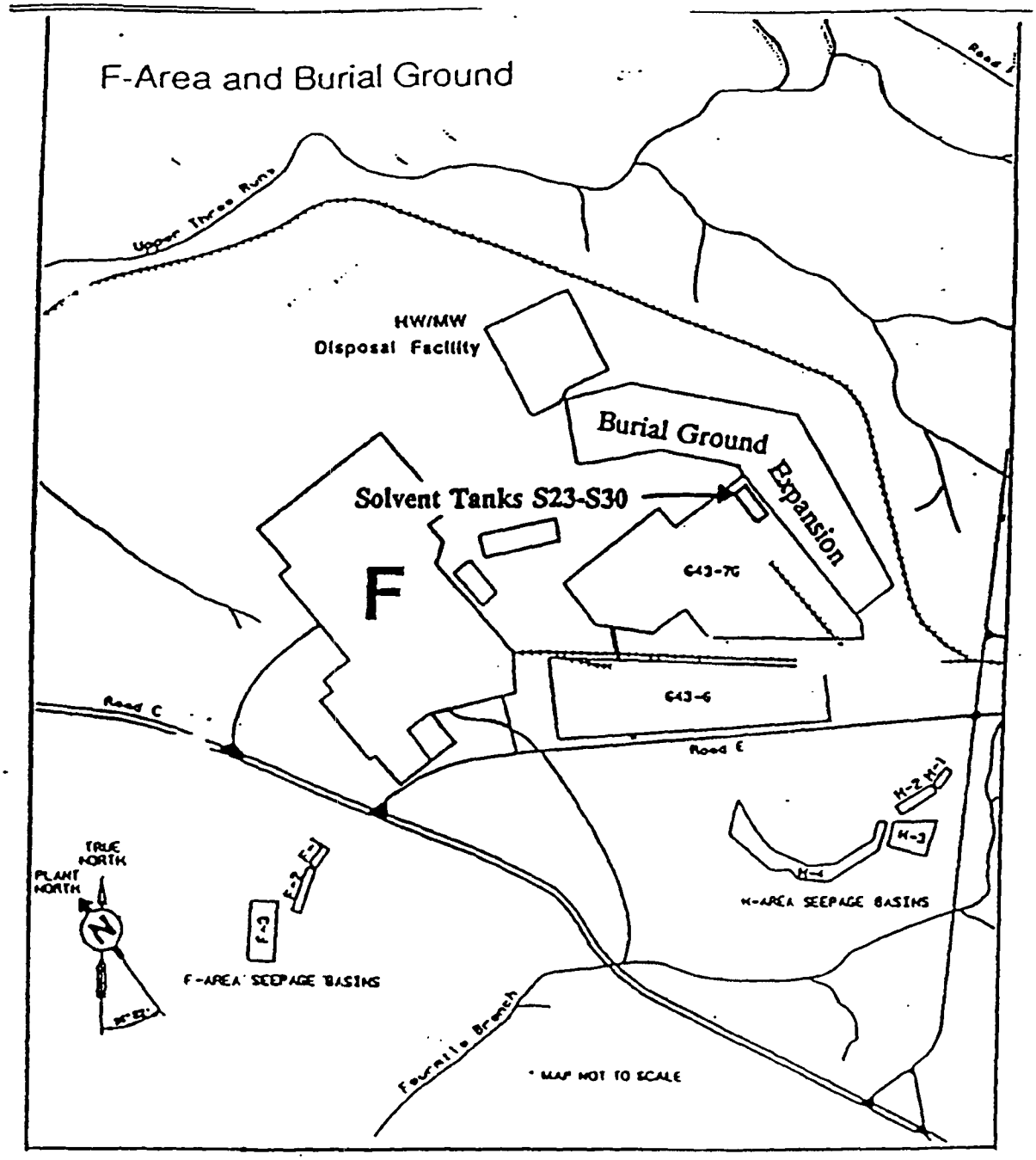


FIGURE 1
TANK LOCATION

1.2 Regulatory Basis for Closure

SCHWMR R. 61-79.265.193(a)(5) requires secondary containment and leak detection for existing tank systems either within two years of the date the tank systems become subject to the regulations or when the tank systems have reached 15 years of age, whichever comes later. Section 265.191 requires that existing tank systems that do not have secondary containment must undergo a tank integrity assessment within 12 months after the date the tank system became subject to the regulations. Additionally, an annual leak test that meets the requirements of Section 265.191(b)(5) must be conducted until such time that secondary containment requirements are met. This is required by 265.193 (i) (2).

Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. At this time, there are no plans to provide secondary containment or leak detection for S23 through S28. The contents of S23 through S28 have been transferred to S29 and S30, which successfully passed integrity tests in November 1993. Tanks S23 through S28 will be triple rinsed and filled with grout as an interim closure prior to the final LLRWDF Closure. Tanks S29 and S30 will be kept in service until October 31, 1996, when they will reach 15 years of age. October 31, 1996 is the date that S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment. After this date, replacement tanks, S33 through S36, will be used to store the consolidated waste from S29 and S30. An interim closure, consisting of triple rinsing and grouting Tanks S29 and S30, will be implemented upon removal of waste from the tanks. The entire solvent tank storage area will be included in the Low Level Radioactive Waste Disposal Facility (LLRWDF) Closure Plan. The LLRWDF Closure is required by RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE. The LLRWDF Closure Plan addresses LLRWDF trenches, cells, and boreholes that received hazardous waste in the form of F-Listed solvent rags between March 11,1986 and January 25,1990. The LLRWDF Closure

Plan is based on South Carolina Hazardous Waste Management Regulations (SCHWMR) R.61-79.265 Subparts G (Closure and Post-Closure Plan) and N (Landfill). The LLRWDF Closure Plan was submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) in August 1993 and will be amended by January 1, 1995 to include the solvent tank area.

1.3 Summary of Closure Plan

This Interim Closure Plan for S23 through S30 describes the location and operation of solvent tanks and the activities that are required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. These activities include triple rinsing with a solution of water and a non-hazardous cleaner followed by a final rinse of clean water and filling the tanks with grout. The proposal to rinse and grout the tanks prior to capping will minimize threats to human health and the environment caused by the potential release of hazardous constituents after the closure of LLRWDF.

2. BACKGROUND DATA

2.1 Tank Description

There were originally 32 tanks installed at SRS with the intended purpose of storing spent canyon solvent. Tanks S1-S22 were installed in the Old Radioactive Waste Burial Ground (643-E) between 1955 and 1968. These tanks are being assessed under the RCRA/CERCLA (RFI/RI) Program. Tanks S23 through S28 were installed in the Burial Ground Complex in March of 1976. Tanks S29 through S32 were installed in the Burial Ground Facility in October of 1981. Tank S32 was used to store tritiated oil and was closed in accordance with RCRA regulations in 1988. Tank S31 was never used for storage and has been excavated. Figure 2 identifies the location of Tanks S23-S30 in the Burial Ground Complex.

Solvent Storage Tanks S23 through S30 are constructed of 3/8" thick carbon steel, coated with three applications of bitumastic coating to prevent external corrosion. A schematic diagram of a typical tank is shown in Figure 3. Each tank is cylindrical, measures 10'6" x 38'10", and has a 25,000 gallon capacity. Each tank is supported by four steel saddles, resting on a sloping concrete pad approximately 15 feet below grade. As a preventive measure against the tanks floating under high groundwater conditions, each tank was anchored to its pad with four metal bands. Each pad is sloped 0.2 inches per foot (6 1/8 inches over the length of the pad) toward a 64 gallon bitumen coated steel collection sump. The top of each pad is v-shaped so that any spillage flows towards the center line of the pad. At the sump-end of the pad, a 2 inch diameter pipe directs liquids from the pad into the underlying sump. Each solvent storage tank and its respective sump are covered by an oil resistant 30 mil PVC liner. The PVC liner is covered by a layer of topsoil which is in turn covered by asphalt and seeded mulch. Each tank is equipped with a rodding tube for inventory purposes, a fill tube, and an emptying tube. All ancillary equipment is enclosed by the PVC liner except for those portions above the ground surface that can be visually inspected. Each solvent storage tank contains one HEPA filtered vent. Tanks S29 and S30 are identical to Tanks S23 through S28 except that they have a manhole and a 30 mil PVC liner that extends below the concrete pad up to the surface. Drawing Q-CP-E-0001 (Appendix 1) provides details and cross sections of a typical tank.

WSRC site procedures provide administrative controls which have been used to prevent the tanks from overflowing during filling operations. These controls include taking inventory measurement of the tank proposed to receive the waste, calculating the remaining available capacity, and determining that the volume of the waste to be transferred does not exceed the available space. Inventory measurements are made using a calibrated stainless steel rod.

The sumps for tanks S23 through S30 have been checked bi-weekly for the accumulation of liquid since the tanks were in service, whether or not the tanks were involved in filling/emptying operations. The sump contents are sampled and analyzed for alpha and beta-gamma activity. Based on these

laboratory results, the contents of the sump are pumped to grade, stored as low level waste, or stored as mixed waste.

These tanks fall within the unit facility boundary for the combined Burial Ground Complex RCRA/CERCLA unit. Interim and Final Closure of the solvent tanks will proceed under RCRA guidance; however, closure data and any environmental impacts will be incorporated into, and evaluated under, the RCRA/CERCLA program for the combined Burial Ground Complex.

FIGURE 2 BURIAL GROUND CONFIGURATION

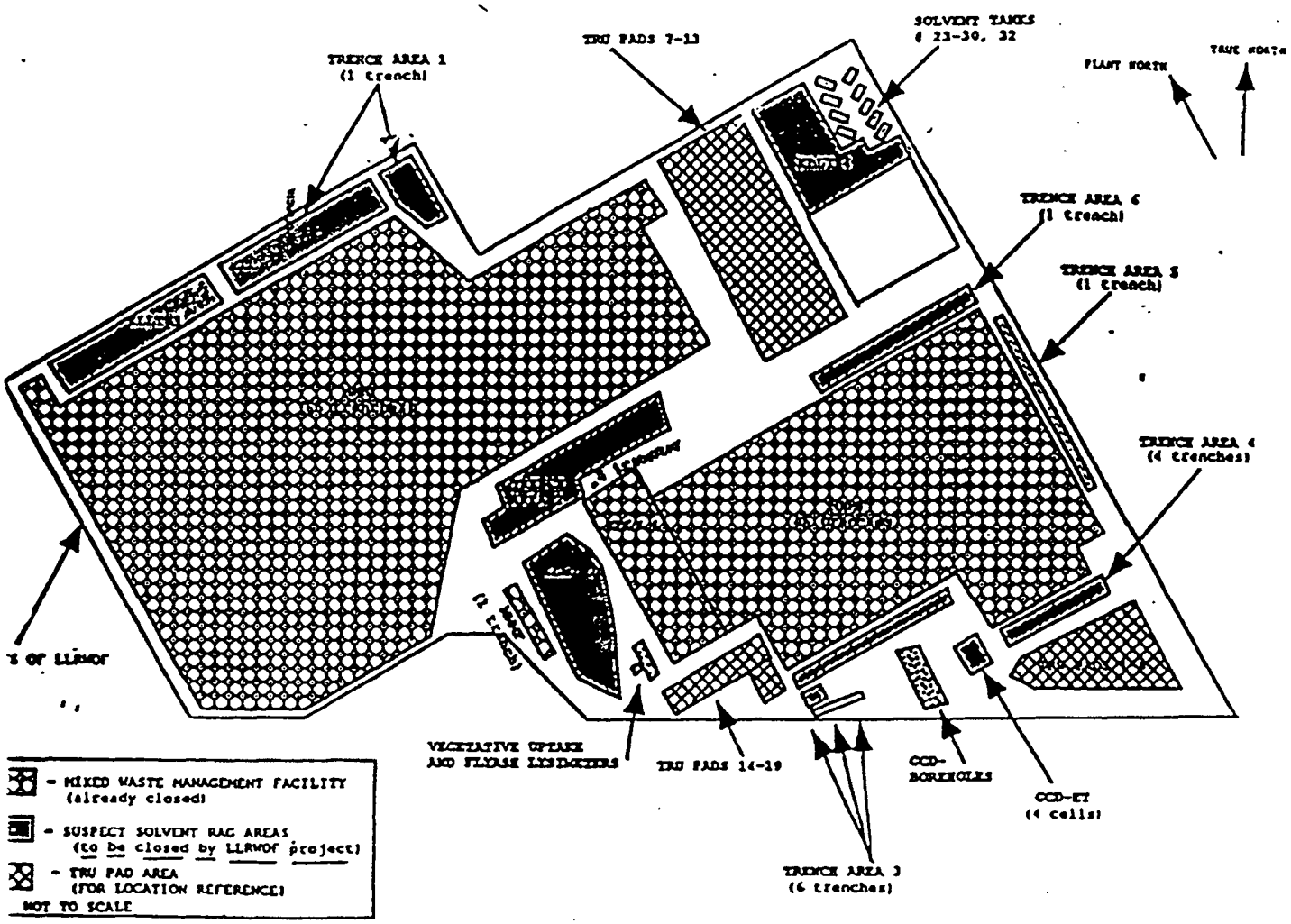
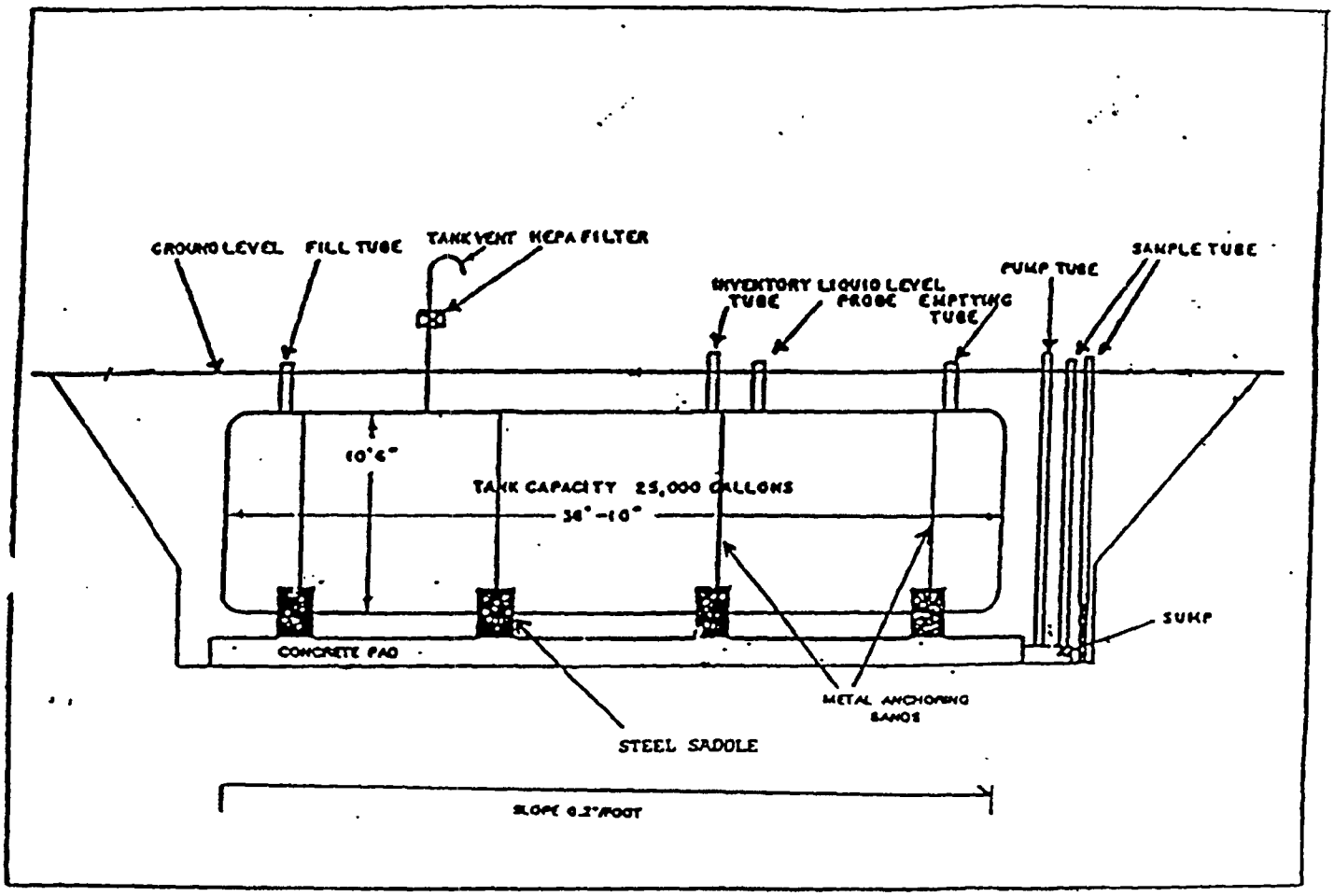


FIGURE 3 SCHEMATIC OF A TYPICAL TANK



2.2 Waste Characterization

In the past, solvent waste consisted of such items as oils, scintillation fluids, n-paraffin, ultrasene, and tributyl phosphate (TBP). The current inventory consists primarily of n-paraffin and TBP from the Separations PUREX process. Because of the variety of sources, the composition of the waste is varied. In the radiochemical separations process at SRS, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically TBP in n-paraffin with residuals of uranium, plutonium, and fission products) is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible. In the past this material was shipped to solvent tanks S1-S22 in the Old Burial Grounds (643-E). Some of the material was disposed of by burning in open pans in the Burial Ground. Because of air quality standards, this practice was discontinued. In the early 1980's, another disposal campaign was begun which burned the majority of the remaining material at the Beta Gamma Incinerator (BGI). This procedure was also discontinued. As the new solvent tanks S23-S30 became operational, the remaining heels from S1-S22 and all subsequent solvent shipments were transferred to these tanks.

A sampling and analysis plan was completed in September 1991 which included an isotopic analysis and both TC metal and organic analyses. SRTC completed the isotopic analyses which resulted in ranges from 6.40E+03 to 5.51E+05 disintegrations / minute / milliliter (d/m/ml) gross alpha and 2.35E+03 to 2.12E+05 d/m/ml beta-gamma. The Savannah River Technology Center (SRTC) was also able to perform volatile and semi-volatile organic analysis. However, due to inadequate equipment and unapproved procedures, they were only able to complete a screening for TC metals. Samples were then sent to Oak Ridge National Laboratory (ORNL) for TC metals analysis.

On March 18, 1992, SRS received sample results from the TC metals analysis from ORNL which indicated that the wastes are hazardous for silver, lead, and mercury. Analytical results from ORNL for hazardous constituents are not available for tanks S27 and S29 due to the shut down of exhaust hoods that

were necessary to perform a proper digestion of an organic sample prior to analysis for TCLP metals. It is assumed that these tanks contain all the hazardous constituents found in the analytical results for the other tanks.

Current data indicate that elevated levels of benzene, TCE, lead, mercury, and silver are present in some of the tanks. Radioactive constituents are present in all of the tanks. Table 1 summarizes the hazardous constituents detected in the tanks. Table 2 gives a summary of the radioactive constituents identified.

M-DCF-E-0001S PAGE 18 of 30

Table 1
Chemical Analyses for Solvent Tanks

Tank	Analy No (ORNL)	Approximate Volume (Gallons)*	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)	pH (SRTC)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0 2	5	<2, >12 5
Tank S 23 Top (organic)	920330-075	824	< 500	< 50	650	475	< 0.002	< 0.002	< 0.002	0.021+/-0.005	< 0 004	0 546+/-0 027	0 44+/-0 048	< 0 094	
Tank S 23 Bot (aqueous)	920330 076	3343	9696	34	77	50	1.28 +/-0.02	119+/-0.025	<0 002	2.29+/-0.01	0 042+/-0 004	0 21+/-0 006	2 8+/ 0 13	1 32+/-0 32	11 21
Tank S 26 Top (organic)	920204-137	90	3445	< 5	< 5	< 5	0.055+/-0.04	< 0.008	< 0.009	1 11+/-0 01	< 0.004	< 0 005	< 0 038	< 0 094	
Tank S 26 Bot (aqueous)	920204-138	197	2584	< 5	< 5	< 5	2.46+/-0.15	< 0.008	< 0.009	4 32+/-0.05	0.128+/-0.015	0 492+/-0.015	5.86+/-0 6	2 3+/-3 80	n
Tank S-27 Top (organic)		22804	Below TCLP Limits	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-27 Bot (aqueous)		551	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S 28 Top (organic)	920204 139	15	9282	?	<5	<5	0.72+/-0.065	< 0.008	< 0.009	3.3+/-0 015	0.102+/-0 05	0 248+/-0 025	1 37+/-1 87	2 75+/-2 75	
Tank S 28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	< 0.008	< 0.009	9.67+/-0.09	0.842+/-0.025	3 13+/-0 015	24.18+/ 385	24 39+/ 1 09	NA
Tank S 29 Top (organic)		0 **	Below TCLP Limits	280	Below TCLP Limits	Below TCLP Limits	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-29 Bot (aqueous)		57	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S 30 Top (organic)	920330-077	240	< 100	< 5	< 5	< 5	< 0 002	< 0.002	< 0.002	0.042+/-0.007	< 0.004	0 703+/-0 019	0 428+/- 059	< 0 094	
Tank S-30 Bot (aqueous)	920330 078	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0 017	0 109+/-0 01	0 134+/- 061	< 0 094	NA

WEIGHTED AVERAGE***

Tank	Analy No (ORNL)	Approximate Volume * (Gallons)	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0 2	5
Tank S 23		4167	7878	37	190	134	1 043	0.116	< 0.002	1 85	0 038	0 287	2 447	1 334
Tank S 26		287	2840	< 5	< 5	< 5	1 821	< 0 008	< 0.009	3 351	0 099	0 35	4 46	4 22
Tank S 28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	6 325	< 0 008	< 0 009	6 923	0 497	1 66	13 38	15 15
Tank S 30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0 026	0 041	0.079	0 09	0 025	0 43	0 348	0 094

*Measured at the time of sampling.

Tanks S1 and S2 contain no measurable liquids

* Tanks S21 & S29 were analyzed by SRTC only

** While there was an organic layer in the sample, the layer was not thick enough to be measured by sticking techniques

*** Tanks S27 & S29 are not included in the weighted averages

NA - Not Analyzed

Radioactive Constituents Identified in Solvent Tanks S23 - S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 = 5.57E-04 Cs137 = 4.47E-02 Eu154 = 5.82E-04 Am241 = 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 = 5.72E-04 Cs137 = 4.47E-02 Eu154 = 3.27E-04 Am241 = 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 = 6.53E-03 Cs137 = 2.36E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 = 6.57E-03 Cs137 = 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 = 2.51E-04 Eu154 = 3.68E-03 Eu155 = 5.96E-04	<1%Pu239 30.6%Pu238 4.8%Am241 63.7%Cm244	9.7E-01	1.1E-01	7.8E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 = 2.59E-04 Eu154 = 3.57E-03 Eu155 = 5.58E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 = 1.86E-04 Eu154 = 3.88E-03 Eu155 = 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 = 4.29E-03 Eu155 = 6.69E-04	<1%Pu239 40.8%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.8E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 = 3.04E-04 Sb125 = 3.07E-03 Cs137 = 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 = 1.36E-04 Sb125 = 2.99E-03 Cs137 = 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 = 1.80E-03 Cs137 = 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 = 1.76E-03 Cs137 = 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 = 2.16E-04 Sb125 = 1.17E-03 Cs137 = 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 = 7.30E-04 in top layer Co60 = 2.27E-04 Cs137 = 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

M-DCFE-0005, PAGE 19 of 30

3. DESCRIPTION OF CLOSURE ACTIVITIES

3.1 Safety

During closure operations, SRS will comply with the requirements of OSHA 1910.120 Site Specific Safety and Health Plan which will include a site specific Safety, Health, and Emergency Response Plan.

The concept of keeping employee radiation exposure "As Low As Reasonably Achievable" (ALARA) will be incorporated. All aspects of radiation control will be performed in accordance with the WSRC 5Q Manual. A Radiation Work Permit (RWP) will be written prior to initiation of the job. After the RWP is written, SW will perform an ALARA Review. Workers will sign the RWP as required.

WSRC Radiological Control Operations (RCO) and Industrial Hygiene (IH) will perform monitoring during closure operations in accordance with SRS procedures.

All personnel working within the closure area shall submit to SRS Invivo/Invitro bioassay and dosimetry and provide documentation of a physical within the last 12 months to document fitness-for-duty.

Site workers shall have had the appropriate training:

1) All personnel brought on site:

- SRS General Employee Training (8 hour)
- SRS Hazard Communications Standards (2.5 hours)

2) Personnel working within the closure area may be required to have the following training, depending on the actual work to be performed:

- SRS Radiation Worker II Training with Facility Specific Practical Training (32 hours)
- SRS General Respiratory Training (1 hour)
- SRS Negative Pressure Respiratory Training (3 hours)
- SRS Plastic Hood and Plastic Suit Training (3 hours)
- SRS Emergency Respirator Use Training (3 hours)
- Forklift Training (12 hours)
- RCRA Training (4 hours)
- Hazardous Materials Transportation Training (8 hours)
- Documentation of completion of an off site 40 hour OSHA Hazardous Waste Operator and Emergency Response (HazWOPER) class and a minimum of 3 days field experience taught by supervisors who are trained and experienced in hazardous waste operations.
- Appropriate Manager/Supervisor 8 hour OSHA training for all supervisors

Personnel must re-qualify for all training as required by site procedures.

3.2 Tank Decontamination

The interior of Tanks S23 through S30 will be tripled rinse with a solution of water and a non hazardous cleaned using an industrial-grade rotary cleaner. This will allow maximum cleaning efficiency without damaging the tank integrity by cutting access openings in the tank walls. A final fresh water rinse will also be conducted. The rinsing activities will be followed by placement of grout in the tanks.

The following sections describe the activities that will be conducted for the interim closure of S23 through S28. The physical methods of rinsing S29 and S30 may vary from the contract requirements for rinsing S23 through S28, but S29 and S30 will , at a minimum, be triple rinsed and grouted to the same specifications as S23 through S28. Technical details for the interim closure of S29 and S30 will be provided after the contract to rinse and grout these tanks has been awarded.

3.2.1 Render Interior Atmosphere Inert

Prior to beginning closure activities the concentrations of flammable gases will be measured. If the concentration exceeds 10% of the LEL for the flammable gases, the interior of the tanks will be rendered inert by purging the tanks . The outflow from the purged tanks will be HEPA filtered.

3.2.2 Set Up For Remote Cleaning

Containment huts or glove boxes will be used for contamination control during the remote cleaning of each tank. The remote cleaning head will be lowered through the 6-inch diameter riser and secured to the riser flange. A stainless steel pipe will be inserted into the tank's lowside 4-inch diameter riser for discharge of the rinsate.

3.2.3 Remote Tank Cleaning

The first phase of tank cleaning will consist of washing the tank using a GAMAJET rotary machine installed into the existing 6-inch riser. GAMAJET rotary machines are commercially-available, industrial-grade units used to clean all types and sizes of industrial process, storage, and transport tanks using precision jet impact force and liquid volume to effectively scrub, wash, and rinse internal tank surfaces automatically.

The GAMAJET is powered hydraulically by the rinsing solution. Complete 360 degree rotation in both the horizontal and vertical planes ensures full tank cleaning coverage. To achieve adequate cleaning of the solvent tanks, the GAMAJET will be suspended to the tank center by a supply pipe which will carry the cleaning fluid. A cleaning force of up to 30 lbs/sq. ft. will be generated and a tank cleaning cycle time of 30 minutes per rinse will be achieved.

For initial cleaning, a closed volume of 3,300 gallons of a solution of water and a non hazardous cleaner will be used. This 3,300 gallons of rinsate will be recycled through a series filtering arrangement consisting of a bag filter for particulate removal and a two unit exchange medium of carbon and ion exchange resin. Through the use of the mechanical filter and exchanger beds to remove solubles, including radionuclides and metals, this volume of water can be used effectively to wash all six tanks. Through the process of tank washing, residual sludge and waste will become flowable and be removed with the suction pump used to remove rinsate. All sludge and rinsate will be transferred to S29 or S30. A washing of each tank will consist of three wash cycles from the center of each tank. Drainage from this operation will be into the tank and removed using the pump for the tank.

3.2.4 Final Rinse

Following the remote tank cleaning phase, the next process step will consist of a final rinse using the GAMAJET, fresh 200-gallon water supply, and removal pump. The GAMAJET will be mounted to the center cleaning access and operated at reduced pressure and flow rate than previously used.

3.2.5 Transfer and Storage of Rinse Solution

Rinsate will be removed from the tank via a pump taking suction on the stainless steel drain pipe which is inserted and sealed to the 4-inch riser closest to the tank sump to take maximum advantage of the tank slope. All rinsate generated from the cleaning of S23 through S28 will be transferred to tanks S29 and S30.

3.2.6 Storage and Disposal of Filters and Resin

The resin will be dewatered and a TCLP performed following completion to allow handling as low-level radioactive waste, mixed waste, or TRU waste as required by waste classification. The contents of the bag filters will be emptied into a 55 gallon drum and the slurry pumped using diaphragm pump and hoses to tanks S29 or S30. The filters will be evaluated for appropriate management and disposal.

3.3 INERT FILLING OF TANKS AND RISERS

After completion of the tank cleaning and decontamination, each tank will be filled with Low Strength Grout (150 psi). The sealing of all tank openings will occur in parallel with inert fill activities. The grout will be allowed to cure for two weeks. The minimum 56 day comprehensive strength of the grout is 150 psi. After the cure period the risers will be capped with metal caps and Belzona Super Metal.

3.3.1 Technical Justification of Inert Fill Material

Controlled, low strength material (CLMS) also known as "flowable fill" or "grout" will be used to fill the tanks after cleaning operations. The following criteria were considered by SRS for the grout fill formulation:

1) Maximum temperature rise due to hydration reactions should not exceed 50 degrees C.
2) Minimum 56 day compressive strength of 150 psi.
3) Set time between 4 hours and one week.
4) Must be pumpable and flowable.

A grout formulation consisting of cement, flyash, sand, and water will meet these proposed criteria. The in-place density of this material would be

approximately 135 lbs/cubic ft. (SG 2.16). This weight will be more than adequate to prevent flotation. The material can be easily transported to the site and pumped into place. The flyash adds to the flowability of the material. According to the National Ready-Mix Concrete Association, the material has flow characteristics similar to that of cement slurry. Grout does not require tamping or vibration to ensure adequate placement and is liquid enough to prevent mounding or void. By pumping the grout into place, minimal voids should be left in a filled tank. The chemistry of the grout is such that there will be minimal reactivity with the tank walls. Grout is essentially a non-leaching material. Also the grout has minimal potential for allowing migration of groundwater through the tank, and thereby, should aid in resisting the leaching of any residual hazardous or radioactive constituents inside the tank or on its interior wall.

3.3.2 Justification of Fill Material to Support LLRWDF Cap

The compressive strength capabilities of the grout mix has also been evaluated. This evaluation was included to present information which might be a factor during installation of the proposed LLRWDF cap. An eight foot (8) thick cap is being considered for installation over the solvent storage tanks. The estimated stress on each of the tanks caused by the LLRWDF cap is 1000 pounds per square foot or 7 psi versus the 150 psi strength of the grout. As a result, the strength of the grout filled tanks will be more than adequate to support the weight of the cap. Additionally, if the tops of the tanks were to rust through, the grout would prevent cave-in of the cap.

3.3.3 Sealing All Tank Openings

Sealing of all tank openings will be completed in parallel with the inert fill activities. BELZONA Super Metal will be used to adhere the caps to the tank openings. BELZONA is a two-component paste-grade system based on a silicon steel alloy blended with high molecular weight reactive polymers and oligomers. When cured, the material is durable with typical tensile shear

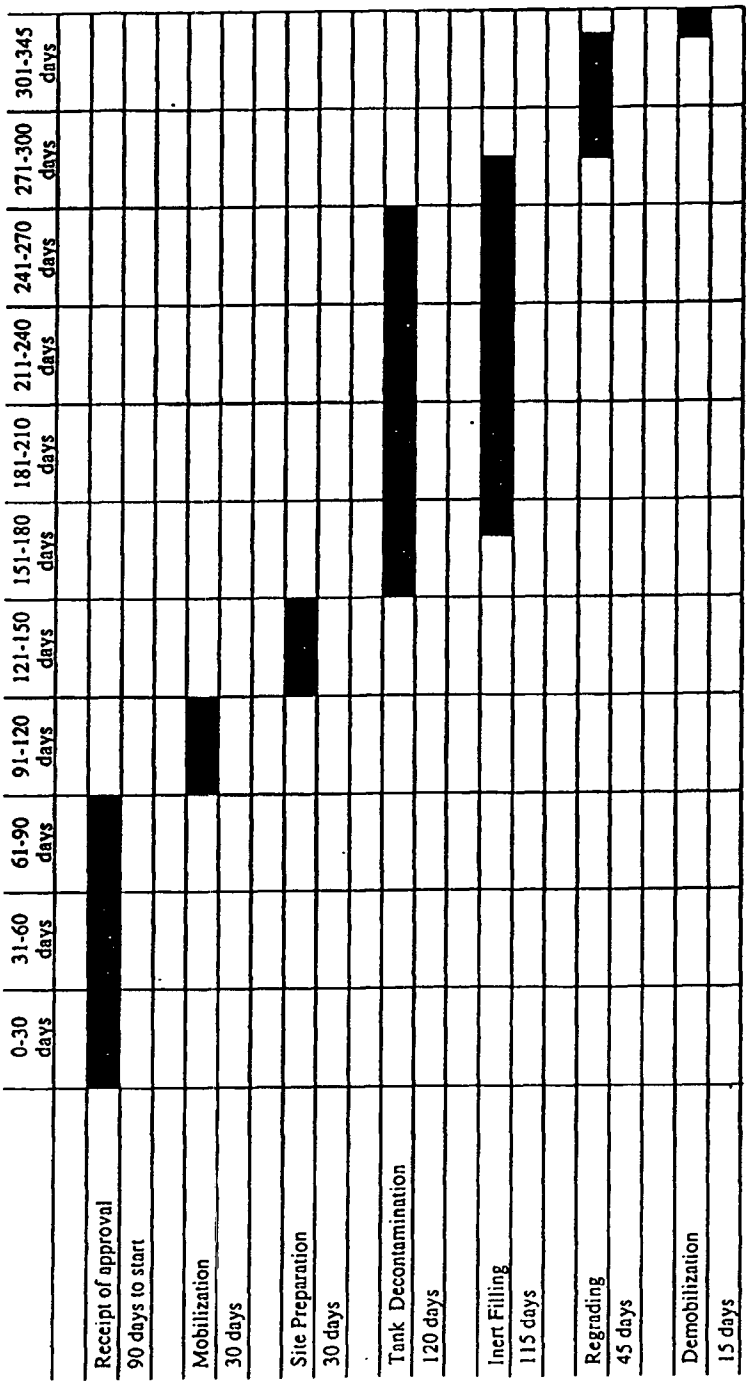
adhesion of 2,700 psi. Each of the risers will be oversized capped and sealed. Each application will be visually inspected by a Quality Assurance Inspector.

3.4 Schedule

Interim Closure of tanks S23 through S28 will commence within 90 days after receipt of approval of this Interim Closure Plan, but not before December 1, 1994. Interim Closure of S23 through S28 will be completed within 345 days. A schedule for the Interim Closure of tanks S29 and S30 will be finalized and submitted to SCDHEC after the dates for Part A approval and construction of the replacement tanks are known. Figure 4 identifies the milestone activities and their respective anticipated duration. The schedule is based on past experiences which do not include the closure of multiple tanks containing mixed waste. Unanticipated precautions and requirements may arise and may preclude completing an activity within the estimated time frames. To the extent that activities can take place concurrently, total closure time may be reduced.

Figure 4

Preliminary Schedule for Interim Closure of Solvent Tanks S23 and S30
S23 through S28 in 1994 - 1995
S29 and S30 in 1996 - 1997



Note: Intermediate dates are for planning and schedule purposes only. Some overlapping of closure activities will occur when feasible to do so.

4.0 EQUIPMENT DECONTAMINATION

The equipment used to implement this tank closure will be inspected by Radiological Control Operations (RCO) for the presence of radioactive contamination. These items may include pumps, transfer hoses, augers, etc. An appropriate detergent, as necessary, will be used to clean all equipment identified by RCO as requiring such action. The cleaning solution will be collected and analyzed for TCLP constituents of concern and radioactive contamination. Equipment will be considered clean when rinsate is below TCLP limits and radiation levels are acceptable by WSRC RCO Department. Equipment that cannot be decontaminated will be managed as radioactive waste, hazardous waste, or mixed waste, as appropriate. Hazardous and mixed waste will be sent to an appropriate RCRA permitted hazardous or mixed waste treatment, storage or disposal facility; radioactive waste will go to the Burial Ground Complex, and any excess clean soil will be used in regrading the tank area.

5.0 EROSION AND SEDIMENTATION CONTROL PLAN

An Erosion and Sediment Control Plan (Appendix 2) has been completed for the Closure of Solvent Tanks S23 through S28 as required by the South Carolina Land Resources Commission. This plan provides for the regrade of the ground surface to enhance drainage. The Erosion and Sediment Control Plan will be implemented following completion of sealing the tank closures. A separate Erosion and Sediment Control Plan will also be developed for the Interim Closure of S29 and S30.

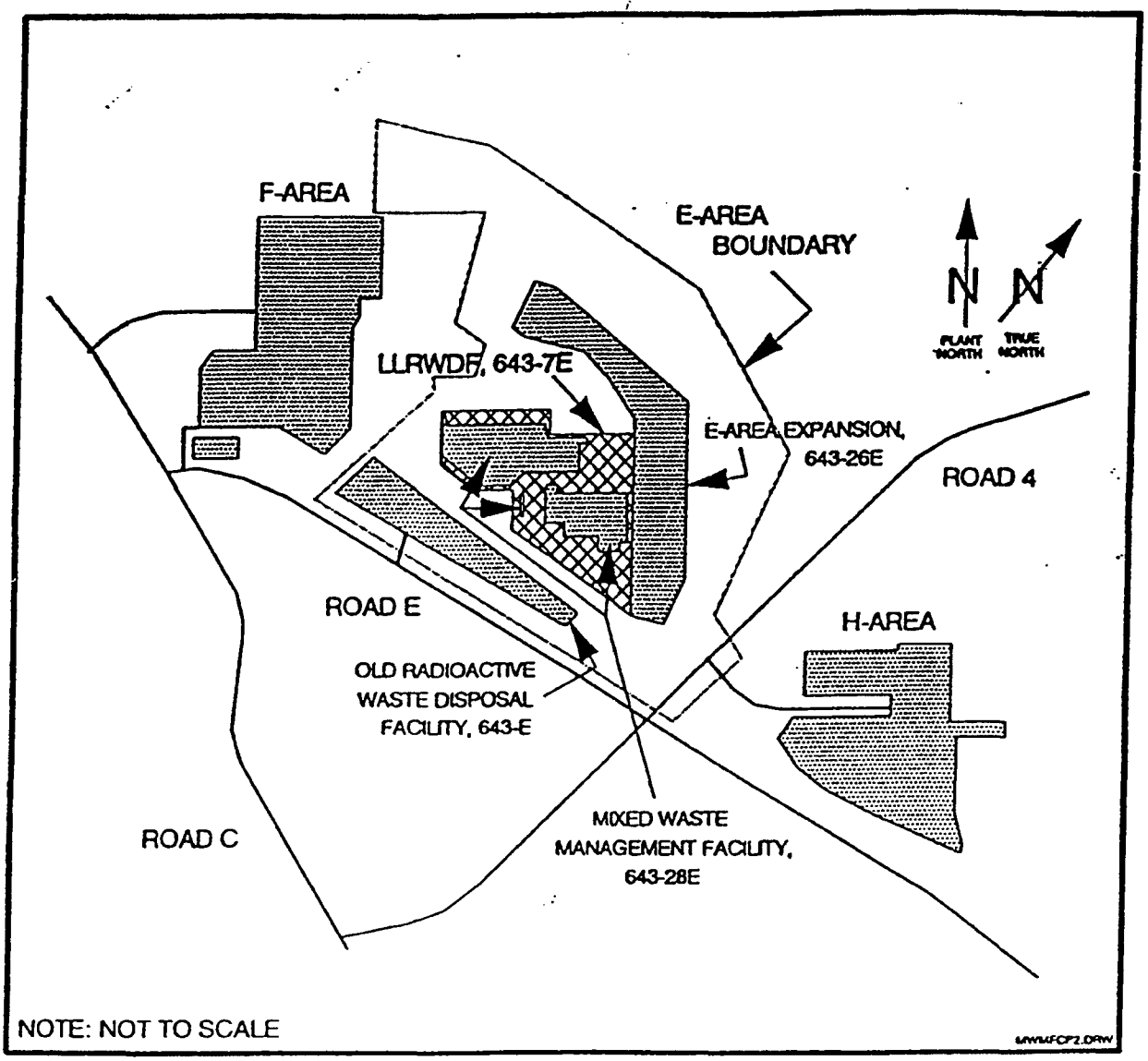
6.0 MAINTENANCE OF CLOSURE PLAN

A copy of the SCDHEC approved Interim Closure Plan of S23 through S30 will be kept at Building 724-7E until closure is completed.

7.0 THE LLRWDF CLOSURE

The area where the Solvent Storage Tanks are located is included in the LLRWDF portion of the Burial Ground Complex. The LLRWDF Closure consists of non-contiguous Engineered Low Level Trenches (ELLTs), and Trench Areas. LLRWDF is the area (643-7E) depicted in Figure 5. The requirements under RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE are the basis for the LLRWDF closure. The LLRWDF Closure Plan was submitted to SCDHEC in August 1993. This closure plan will be amended to include solvent tanks S23 through S32, with the exception of S31 which was never used and has been excavated.

Figure 5: LLRWDF Location Map at E Area



DIVIDER PAGE

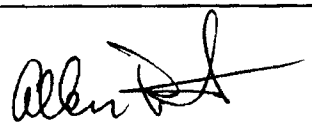
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C078
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution	
Source Document Reference Information (author(s), document and revision number, date, publisher): C. W. Beaumier, SWE-SWE-95-0172, Rev. NA, 05/17/1995	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, PR5, PR7, WS2, WS8, WS9, WS11, WS12, S7, S9	Throughout	This document is a correspondence from C.W. Beaumier to J. C. Kinney providing responses to the five outstanding concerns which were the major points of discussion during a May 4, 1995 meeting with the Waste Certification Assessment (WCA) Team. The responses are submitted on form SWM-WCA-95-02 that includes spaces for Line-of-inquiry, Concern to Be Evaluated, and the Generator Response. Also included is a reference to the Solvent Tanks Waste Analysis Plan which states that Solvent Storage Tanks S29 and S30 are used to store tributyl phosphate (TBP) and n-paraffin from the Separations PUREX process, and solvents from Savannah River Laboratory and 772-F Laboratories. Some Toxicity Characteristic Leaching Procedure (TCLP) metals and organics are also present. These solvents are not RCRA listed hazardous wastes. Tanks 23 through 28 have been declared unfit for use by South Carolina Hazardous Waste Management Regulations (SCDHEC) and are not receiving any new waste (page 9). An attachment titled Solvent Storage Tanks Chemical Analysis starts on page 14. This attachment includes results of chemical analyses for the Solvent Storage Tanks on Table 1 (page 15). Table 2 on page 16 lists radioactive constituents identified in tanks S23-S30. A memo from D.G. Salem to J.V. Odum begins on page 18 and was written to address whether or not to apply the RCRA F listing for benzene, MEK, TCE and PCE. The conclusion of this was since the origination, use, before-use concentrations, or when they were used was not known, the waste should be classified as characteristically hazardous waste based on TCLP results. The remainder of this document includes: A memo listing other pure chemicals on the P and U list and their potential for being sent to the high level waste (page 21), list of chemicals in 772-F which are on the EPA list (page 24,25), and a memo with the subject being "The Fate of Listed Chemical Wastes in the 211-F Evaporator" (page 29).

CCP RECORDS ORIGINAL
DATE REC'D 11-19-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C078
Source Document Data Limitations (if any): 1. Best available copy	
Acceptable Knowlege Expert: Allen Dickerson /  Date: 09/15/2012 11 and 11/16/12 Print /Sign	

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Westinghouse Savannah River Company

INTER-OFFICE MEMORANDUM

May 17, 1995

SWE-SWE-95-0172

SWM-WCA-95-02

To: J. C. Kinney, 704-196N

From: C. W. Beaumier, 724-9E

BEST AVAILABLE COPY FOR ENTIRE DOCUMENT

Waste Certification for Solvent Tanks Closure Operations
Solvent Tanks Closure Operations Concerns Resolution

REF: 1. J. C. Kinney to L.T. Reid, "Waste Certification Assessment for Solvent Storage Tanks Closure (U)", SWE-WCA-95-0173, SWM-WCA-95-95-02, April 5, 1995.

2. L. T. Reid to J. C. Kinney, "RE: Waste Certification Assessment for Solvent Storage Tanks Closure (U)", SWE-SWE-95-0148, April 21, 1995.

Attached please find the five outstanding "Concerns" which were the major points of discussion during our May 4 meeting with the Waste Certification Assessment (WCA) Team. Checklist item numbers OS.1.A.2, OS.1.C.4, OS.1.C.6, PS.1.A.5 and QA.3.B.1 are provided for your team's review. The generator response sections for each of the "Concerns" identified above has been revised, based on the meeting discussions.

Checklist item number CH.1.E.1, the listed waste concern, has been addressed by the Environmental Protection Department in the memorandum from J. V. Odum to D. G. Salem, "Solvent Tanks Waste Characterization - SWE-REC-95-0085 (U)", ESH-FSS-95-0256, issued May 3, 1995. Copies of the referenced EPD memorandum and the revised generator response are provided as an attachment.

The remaining "Concerns" associated with procedure approval have been delayed beyond the originally scheduled completion date of May 8, 1995 (REF 2.). Procedure approval is anticipated during the week of May 15. SWE will attempt to expedite training, however at a minimum one week delay in the procedure implementation schedule is anticipated. Procedure implementation is anticipated during the week of May 22. If any additional delays are encountered which impact procedure implementation, formal notification will be provided.

If you have any questions or comments please contact C. W. Beaumier at 2-4175.

cc:

M. B. Hughes, 705-3C
R. A. Holler, 705-3C
W. T. Goldston, 705-3C
L. T. Reid, 724-9E
G. W. Faulk, 705-3C
A. T. Nasol, 705-3C
S. R. Reed, 742-7G
L. Froidl, 724-7E
G. W. Faulk, 705-3C

1 of 30

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
OS.1.C.4

Functional Area
ORGANIZATION & SCOPE

Item Category
Concern

Line-of-Inquiry

Verify through document review, personnel interview, and facility walkdown that the functional relationship between RC&HP and the waste management organization are defined and understood.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

The generator does not have a documented organizational structure that reflects both the functional responsibilities and the organizational interfaces between key personnel and the subcontractors that generate, process, handle, verify, certify, and ship waste.

Generator Response

Interface requirements between WSRC and subcontractors are defined by the site wide Subcontractor Technical Representative (STR) program. This program defines the responsibilities and interface requirements for an STR. In addition an organization chart which described the pertinent interfaces between WSRC's and RUST's personnel is provided as an attachment to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

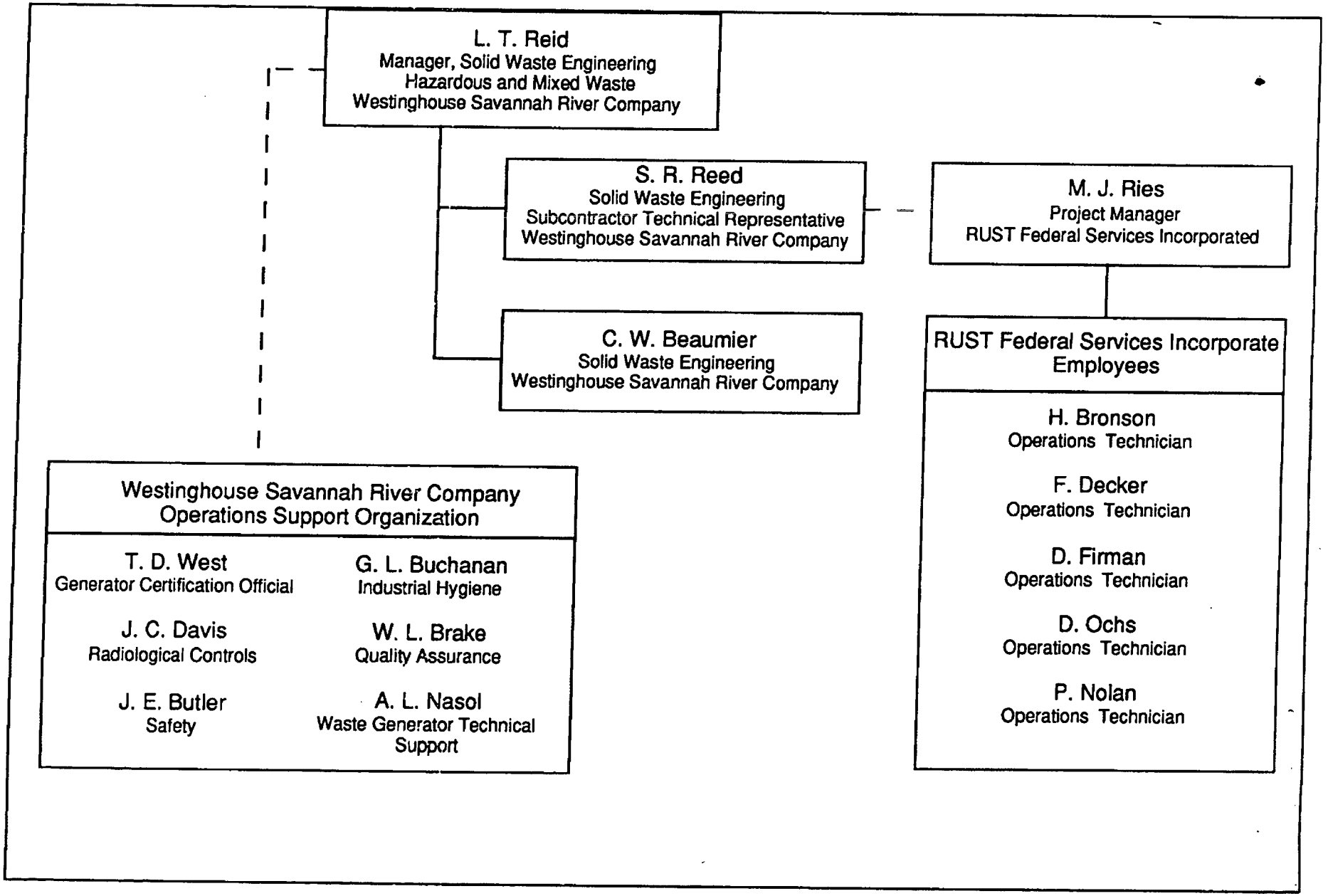
Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

2

Solvent Storage Tanks Closure Operations Organization Chart



SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. OS.1.A.2

Functional Area ORGANIZATION & SCOPE

Item Category Concern

Line-of-Inquiry

Verify through document review that the generator has defined the organizational structure, functional responsibilities, major tasks, level of authority, identification of interfaces between organizations, and lines of communications for those individuals and groups which generate, process, handle, verify, certify, and ship waste.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

The generator does not have a documented organizational structure that reflects both functional responsibilities and the organizational interfaces that generate, process, handle, verify, certify, and ship waste.

Generator Response

The organization structure including the responsibilities of the various organizations within the Solid Waste Management Department are provided in the SW18 Manual, procedure SW-QI-1011. An organization chart is also provided in this procedure. In addition an organization chart which described the pertinent interfaces between WSRC's and RUST's personnel is provided as an attachment to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date _____

Generator's Signature: _____

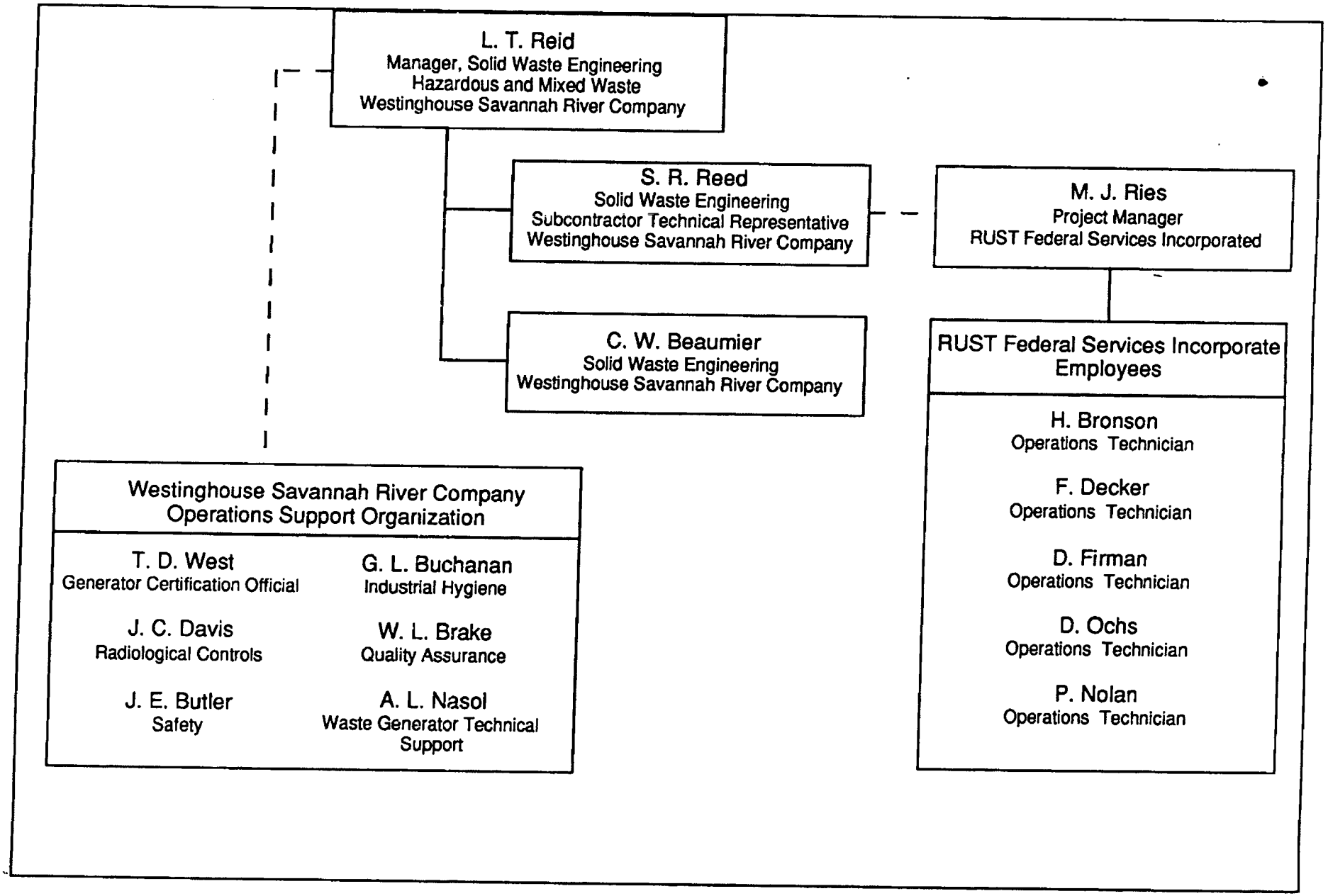
Closure Date _____

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date _____

Solvent Storage Tanks Closure Operations
Organization Chart



SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
OS.1.C.6

Functional Area
ORGANIZATION & SCOPE

Item Category
Concern

Line-of-Inquiry

Verify through document review and personnel interview that the generator has identified and understands the requirements for seeking approval from SWMD.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

Solvent Storage Tanks S23 - S28; Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual was inappropriately processed prior to obtaining the approval of the Manager of Waste Certification Assessments.

Generator Response

The Request/Approval for Deviation to SRS Waste Acceptance Manual was inadvertently processed. Efforts will be made to ensure that waste is characterized, manifested and shipped in accordance with the requirements found in the 1S Manual.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

6

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. PS.1.A.5

Functional Area PACKAGING & SHIPPING DOCUMENTATION

Item Category Concern

Line-of-Inquiry

Verify, through document review, that the waste generator ensures that all required forms are filled out properly for every waste package.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/31/95

643-SC-1001, step 4.1.6, need WITS manifest, delete OSR 29-47, delete OSR 29-43 requirements. Need LLW characterization form; GCO must approve.

Step 4.2.6, GCO must approve OSR 29-47 and OSR 29-15. Step 4.2.6.2 should state "Attach copy of analytical results...."

Generator Response

The 643-SC-1001 procedure has been modified to incorporate the comments provided above.

Please note that WAC 3.10 specifically requires OSR 29-43 be completed. This requirement is no longer accurate based on your comment and a conversation with Solid Waste Engineering, Low Level Waste. A change request was submitted on May 5, 1995 to correct the WAC 3.10 requirement.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date _____

Generator's Signature: _____

Closure Date _____

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date _____

7

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. QA.3.B.1

Functional Area QUALITY ASSURANCE

Item Category Concern

Line-of-Inquiry

Verify through document review that QA records generated as a result of waste certification are listed in the records section of the generator's waste certification plan.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:**

CONCERN

Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual, Document No. SWMD-RFD-95016, WSRC IOM from J. D. Sharpe to M. B. Hughes SWE-SWE-95-0226, dated March 10, 1995 states under 'Quality Assurance Activities' that SWM has implemented the WSRC 1Q requirements through SW-18 manual for SW facilities. 1Q QAPs are applicable where SW-18 manual does not have any procedure. The deviation request, characterization plan, and the procedures did NOT identify the required records. Revise the applicable documents to comply with this requirement.

Verify implementation of this requirement by interviewing GCO, SWE, CQF, and the waste generators.

Generator Response

The actual items of concern, as discussed during the May 4 meeting, are references 7 and 8 in the "Characterization Plan for Low Level Waste Generated from Closure of Solvent Tanks S23 Through S28", Revision 1, WSRC-TR-95-0055, March 23, 1995.

Reference 7 is the Example Radioisotopic Characterization Plans for Low-Level Waste. This is a manual compiled by the Waste Generator Technical Support (WGTS) group and distributed to the Generator Certification Official. The manual provides multiple examples of approved waste characterization plans. A copy of this manual is not provided.

Reference 8 is the Solvent Tanks Waste Analysis Plan. Development, periodic revisions and access to this document within the operating facility are requirements of the South Carolina Hazardous Waste Management Regulations (SCHWMR). A copy of this document is attached to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

8

WASTE ANALYSIS PLAN

[Ref. R.61-79.265.13]

The Waste Analysis Plan was developed in accordance with SCDHEC Regulations R.61-79.265.13. A copy of this plan will be available at Building 724-7E until closure.

Solvent Storage Tanks S29 and S30 are used to store Tributyl Phosphate (TBP) and n-Paraffin from the Separations PUREX process, and solvents from Savannah River Laboratory and 772-F Laboratories. Some TCLP metals and organics are also present. These solvents are not RCRA listed hazardous wastes. Tanks 23 through 28 have been declared unfit for use by SCDHEC and are not receiving any new waste. A revised closure plan for tanks 23-30 will be submitted by July 1, 1994 as required. This plan will include a separate schedule for the closure of tanks 29 & 30 as they will be closed after tanks 23-28.

PARAMETERS AND RATIONALE

[Ref. 265.13(b)(1)]

The solvent waste contained in the tanks possesses gross alpha on the order of 10^5 disintegrations per minute per milliliter (dpm/ml), and an order of 10^6 dpm/ml Beta-Gamma, as determined by isotopic analysis in 1991. The radioactive portion of the waste stored in the tanks goes through a

natural isotopic degradation. This natural degradation effects the chemical composition of the waste. The contents of tanks S23-S26, S28, and S30, prior to consolidation, were analyzed for TC metals and volatile and semivolatile-organics. Tanks S27 and S29 were sampled but their analyses were not able to be completed. Since the tank contents were generated by the same waste stream they are considered hazardous for the same constituents as the other tanks. The waste in tanks S29 & S30 will be sampled and analyzed after consolidation.

SAMPLING METHOD AND FREQUENCY

[Ref. 265.13(b)(3)(4)]

Tanks S23 through S28 have been declared unfit for use and, as such, a closure plan is being submitted. Thus, they are no longer accepting waste solvent and no additional waste sampling is necessary. In addition, tanks S29 and S30 will not be receiving any new waste and therefore will not require additional sampling. The method utilized to obtain previous tank samples is described below.

A current sampling method employed by the canyons involves circulating the canyon storage tanks until the contents are homogenous. A sample is pulled from the homogeneous contents of the tanks and sent for analysis. Storage tanks S23-S30, unlike the canyons, do not have circulation or remote

sampling capability. Thus, each tanks contents may separate into two layers during storage. If the separation does occur the top layer may be sampled using a dip sampler and the bottom layer may be sampled using a bacon bomb sampler (or equivalent). There must be at least 6 inches of waste in the storage tanks in order for the bacon bomb sampler to be efficient. If there is less than 6 inches in the tank or only one layer, dip samples may be taken.

TEST METHODS

[Ref. 265.13(b)(2)]

Each sample was analyzed by a qualified laboratory to determine the pH and the concentrations of TC metals, volatiles, and semivolatiles of the waste using EPA-accepted equivalent methods to the analytical procedures specified in SW-846, "Test Methods for Evaluation Solid Wastes." Inductively coupled plasma optical emission spectroscopy (ICP/OES) was used to determine the concentration of the TC metals. The preparatory method used in ICP/OES is similar to procedure 3010 in SW-846. The actual analysis used in ICP/OES is similar to procedure 6010 in SW-846. The concentrations of TC volatiles and semivolatiles was determined with the use of purge and trap gas chromatography with flame ionization detection. This method is patterned after the procedures 5030 and 8000 in SW-846.

GENERATOR RESPONSIBILITIES

[Ref. 265.13(b)]

Solid Waste Management is no longer accepting waste into any of these tanks. Tanks S23-S28 have been declared unfit for use and are being closed. Tanks S29 and S30 will be closed after the waste in the tanks has been transferred out of the tanks.

INCOMPATIBILITY

[Ref. 265.13(b)(6), 265.200]

Solid Waste Management is no longer accepting waste into any of these tanks. Tanks S23-S28 have been declared unfit for use and are being closed. Tanks S29 and S30 will be closed after the waste in the tanks has been transferred out of the tanks.

SURFACE IMPOUNDMENTS

[265.13(b)(7)]

Tanks S23-S30 are not surface impoundments exempted from land disposal restrictions under 268.4(a). Therefore, the requirements listed under 265.13(b)(7) are not applicable.

ATTACHMENT

SOLVENT STORAGE TANKS CHEMICAL ANALYSES

Table 1 of this attachment shows the results of chemical analyses for the Solvent Storage Tanks. The tanks were listed on the RCRA Part A permit in September 1990 after promulgation of the new Toxicity Characteristic rule. Process knowledge was used to list the tanks based on the potential that traces of benzene and methyl ethyl ketone may be present.

All tanks storing waste were sampled. (Tanks S24 and S25 are empty.) Samples results have been received for all but two tanks, S27 and S29. Samples have been taken for those two tanks, but the analyses could not be completed. Process knowledge will continue to be used that tanks S27 and S29 are hazardous. This is based on the results of the other tanks since the wastes are similar. In addition, the waste, which is being consolidated in tanks S29 and S30 will be sampled and analyzed when consolidation is completed. Although the waste is being consolidated, the waste codes associated with the metals, D002 for corrosiveness, and the other organics, will be carried with the consolidated waste, regardless of concentration.

TABLE 1
REPORTED CHEMICAL ANALYSES

Tank	Analy No. (ORNL)	Approximate Volume (Gallons)	MEK (ppb) (SRL)	Benzene (PPB) (SRL)	TCE (ppb) (SRL)	PCE (ppb) (SRL)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23 Top (organic)	920330-075	824	<500	<50	650	475	<0.002	<0.002	<0.002	0.021+/-0.005	<0.004	0.548+/-0.027	0.44+/-0.048	<0.094
Tank S-23 Bot (aqueous)	920330-076	3343	9696	34	77	50	1.26+/-0.02	119+/-0.025	<0.002	2.29+/-0.01	0.042+/-0.004	0.21+/-0.006	2.8+/-0.13	1.32+/-0.32
Tank S-26 Top (organic)	920204-137	90	3445	<5	<5	<5	0.055+/-.04	<0.008	<.009	1.11+/-0.01	<0.004	<0.005	<0.038	<0.094
Tank S-26 Bot (aqueous)	920204-138	197	2564	<5	<5	<5	2.48+/-0.15	<0.008	<0.009	4.32+/-0.05	0.128+/-.015	0.492+/-.015	5.88+/-0.8	2.3+/-3.80
Tank S-28 Top (organic)	920204-139	15	9282	7	<5	<5	0.72+/-0.065	<0.008	<0.009	3.3+/-0.015	0.102+/-0.05	0.248+/-0.025	1.37+/-1.87	2.75+/-2.75
Tank S-28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	<0.008	<0.009	9.67+/-0.09	0.842+/-0.025	3.13+/-0.015	24.18+/-.385	24.39+/-1.09
Tank S-30 Top (organic)	920330-077	240	<100	<5	<5	<5	<0.002	<0.002	<0.002	0.042+/-0.007	<0.004	0.703+/-0.019	0.428+/-.059	<.094
Tank S-30 Bot (aqueous)	920330.076	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0.017	0.109+/-0.01	0.134+/-.061	<0.094

WEIGHTED AVERAGE

Tank	Analy No. (ORNL)	Approximate Volume (Gallons)	MEK (ppb) (SRL)	Benzene (PPB) (SRL)	TCE (ppb) (SRL)	PCE (ppb) (SRL)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23	----	4167	7878	37	190	134	1.043	0.118	<.002	1.65	0.038	0.287	2.447	1.334
Tank S-26		287	2840	<5	<5	<5	1.621	<0.008	<0.009	3.351	0.099	0.35	3.46	4.22
Tank S-28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	6.325	<0.008	<0.009	6.523	0.497	1.68	13.36	15.15
Tank S-30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.026	0.041	0.079	0.09	0.025	0.43	0.348	0.094

Tanks 24 and 25 are empty.

TABLE 2
Radioactive Constituents Identified in Solvent Tanks S23 – S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 – 5.57E-04 Cs137 – 4.47E-02 Eu154 – 5.82E-04 Am241 – 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 – 5.72E-04 Cs137 – 4.47E-02 Eu154 – 3.27E-04 Am241 – 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 – 6.53E-03 Cs137 – 2.36E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 – 6.57E-03 Cs137 – 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 – 2.51E-04 Eu154 – 3.68E-03 Eu155 – 5.96E-04	<1%Pu239 30.6%Pu238 4.5%Am241 63.7%Cm244	9.7E-01	1.1E-01	7.8E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 – 2.59E-04 Eu154 – 3.57E-03 Eu155 – 5.58E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 – 1.86E-04 Eu154 – 3.88E-03 Eu155 – 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 – 4.29E-03 Eu155 – 6.69E-04	<1%Pu239 40.6%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.8E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 – 3.04E-04 Sb125 – 3.07E-03 Cs137 – 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 – 1.36E-04 Sb125 – 2.99E-03 Cs137 – 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 – 1.80E-03 Ca137 – 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 – 1.76E-03 Cs137 – 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 – 2.16E-04 Sb125 – 1.17E-03 Cs137 – 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 – 7.30E-04 in top layer Co60 – 2.27E-04 Cs137 – 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
CH.1.E.1

Functional Area
CHARACTERIZATION

Item Category
Concern

Line-of-Inquiry
Verify through reviews of analytical information, process information and laboratory results, that the generator's waste streams have been adequately characterized.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95
The justification for classifying tricholorethylene as D040 instead of F001, F002 or some other hazardous waste code is not adequately documented in the solvent tank waste certification documents.

Generator Response
Justification for classifying the solvent waste as D040 and not as an F-Listed solvent is provided in the attached memorandum from the Environmental Protection Department (J. V, Odum to D. G. Salem, "Solvent Tanks Waste Characterization - SWE-REC-95-0085 (U), May 3, 1995, ESH-FSS-95-0256). No additional action is required.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Generator's Signature: _____

Forecast Closure Date

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

OSR 3-4A-W (Rev 1-89)

WESTINGHOUSE SAVANNAH RIVER COMPANY

INTER-OFFICE MEMORANDUM

ESH-FSS-95-0256

May 3, 1995

TO: D. G. SALEM, 724-9E

FROM: J. V. ODUM, 742-A

SOLVENT TANKS WASTE CHARACTERIZATION - SWE-REC-95-0085 (U)

Appendix VIII of Part 261 in both the State and Federal hazardous waste regulations is a listing of chemicals that EPA has designated as "hazardous constituents". The purpose of Appendix VIII is to identify chemicals of concern under RCRA. If a waste contains an Appendix VIII chemical, then the waste may be considered by EPA for listing. However, other factors are considered by the Agency and the presence of a hazardous constituent in a waste is not sufficient cause for the waste to be characterized as an F-listed waste.

SCDHEC has reviewed documents that identified the presence of hazardous constituents in the solvent tanks on at least two occasions. The information was contained in the interim closure plan for the solvent tanks which was approved by SCDHEC. Secondly, SCDHEC reviewed the characterization of the solvent tank waste as a part of the Mixed Waste Inventory Report. In neither event did the classification of the waste as characteristic only raise questions.

Four Appendix VIII constituents of concern were detected in a sample of the tanks containing canyon solvent. These were methyl ethyl ketone (MEK), trichloroethylene (TCE), benzene and tetrachloroethylene(PCE). All four of these chemicals, if used for their solvent properties (degreasing, cleaning, as diluents, extractants and reaction and synthesis media) and, in high enough concentrations, would be F-listed waste when spent. Use of a solvent as a reactant or an ingredient in the formulation of commercial chemical products is not considered use for its solvent properties. Therefore, it is important to know how the chemical was used and its before-use concentration.

You mention that the Savannah River Technology Center and the 772-F laboratories were known to have used organic solvents. The waste from these laboratories is routed to either the General Purpose Evaporators or the Laboratory Waste evaporators for treatment. Both SRTC and 772-F have procedures in place to restrict the disposal of organics to the laboratory drain systems because of obvious safety concerns with the evaporators. However, organics in the laboratory waste could eventually find its way into the degraded canyon solvent collection tanks and then to the burial ground solvent tanks.

How does all of this apply to the situation with the solvent tanks?

Benzene - In your memorandum you refer to a 1984 memorandum from Jack Roberts stating that benzene was found in trace quantities in the canyon solvent. However, that does not cause the canyon solvent to be a listed hazardous waste and, therefore, the presence of benzene in the solvent tanks would not warrant classification of that waste as F-listed.

MEK, TCE and PCE - As stated above, the presence of an Appendix VIII constituent is not a sufficient basis to classify a waste as listed. There are a number of points to consider concerning these chemicals.

- First, you indicate that until 1988 the canyon solvent was burned in the Beta-Gamma Incinerator (BGI). Secondly, you stated that it is not clear when the last shipment of solvent was received from the canyon but that it was in the 1986-87 time frame. The real question is when the waste was generated. This is important because of the change in the listing rules for spent solvents that were effective on January 30, 1986.

- The 2/3/95 memorandum from Cynthia Walker that you attached to your memo states that the waste you have in storage was generated approximately 15 years ago. This places the time of generation prior to 1986.

- Attachment 1 is a 1986 memorandum from L. A. Overman regarding solvent usage in the 772-F laboratories. Neither MEK, TCE or PCE are identified as P or U list chemicals used for reagent preparation in the laboratory. Apparently PCE was purchased in small quantities for a special job. The memo goes on to say that it was stored and was not discarded to the waste tanks. Attachment 2, a similar 1986 letter from D. D. Walker identifies the P or U listed chemicals that may have been sent to the 211-F General Purpose Evaporators from SRTC. None of the chemicals of interest are included.

Based on a review of waste management records, it is not known when waste was last added to the solvent tanks. The memorandum from Cynthia Walker puts the time frame for the waste contained in the tanks as waste generated approximately 15 years ago. Prior to January 30, 1986, a solvent had to be used in its commercially pure form to qualify as an F-listed solvent when spent. A May 1986 memorandum identifies chemicals that may have been sent to the GP or Lab Waste Evaporators. None of the chemicals of interest are on that list. Another May 1986 memorandum identifies those chemicals on the P and U list (MEK, TCE, benzene and PCE are all U list chemicals) used for reagent preparation in 772-F. Again, none of the chemicals of interest are identified.

In summary, we know that the solvent tanks contain some listed constituents. However, we do not know where the chemicals originated, what they were used for, their before-use concentrations, or when they were used. These are all important factors in characterizing a waste as F-listed. The evidence we have from a review of laboratory waste in 1986 suggests that none of these chemicals were sent to the 211-F for evaporation and that they were not used in their pure form at 772-F. In EPD's judgment, classification of the burial ground solvent tank waste as F-listed solely because Appendix VIII constituents were detected in a sample is not warranted and therefore the waste should be classified as characterizally hazardous waste based on TCLP results.

MH:tmj

CC: J. S. Roberts, 742-A
M. Hawkins, 742-A
C. W. Beaumier, 725-9E
L. T. Reid, 724-9E
J. G. Sonneberg, 724-7E
W. T. Goldston, 705-3C
L. C. Martin, 742-A
M. B. Hughes, 705-3C
D. G. Ortz, 705-3C
J. G. Suhm, 742-A
EPD Files, 742-A

INTER-OFFICE MEMORANDUM

Savannah River Plant

May 2, 1986

TO: M. HAWKINS, 703-A

FROM: L. A. OVERMAN

DISCARDED COMMERCIAL CHEMICAL PRODUCTS

Pure chemical usage in 772-F laboratory is limited primarily to reagent preparation. These reagents are prepared by experienced day analysts in a special laboratory module where a number of small containers of commercial chemicals are stored.

Chemicals that are on the P and U list that are normally used in reagent preparation are listed below: (see Attachment 1)

Hydrofluoric acid
Methyl Isobutyl Ketone (Hexone)
Xylene
Acetone
Methyl Alcohol

The normal practice is to use the amount of chemical necessary to make up the analytical reagent, and place the remaining back on the shelf for future use. Spillages that may occur which are not soaked up in absorbent material and sent to solid waste are flushed down the low level drain. Rinsings from empty reagent bottles are also discarded down the low level drain (see Attachments 2, 3).

[illegible] goes to the 18.7 tank where it is analyz[illegible] organic-aqueous ratio. Technical standards require the organic to be less than 0.5% for processing in the 211-F evaporator. Normally, the organic in this tank is less than 0.2% (see Attachment 4, which is a section of the F-Area sample schedule from G. W. Wilds to W. R. Jacobson, dated 3/22/82).

Other pure chemicals on the P and U list (Attachment 1) and their potential for being sent to the high level waste are listed below:

1. Arsenic Trioxide
2. Thallic Oxide
3. Vanadium Pentoxide
4. Lead Acetate
5. Mercury
6. Toluene
7. Methylene Chloride
8. 2-4 Dinitrophenol
9. Cresol
10. Tetrachloroethene
11. Methylchloroform
12. Chromic Acid
13. Potassium Cyanide

Items 1, 2 and 3 are used in the solid form in emission spectrograph standards, and would not be placed in the high activity waste tank.

The remaining items are chemicals that were obtained in small lots for special jobs. They are not now in use, but are being stored. These would not be placed in the high activity waste tanks.

The laboratory waste disposal rules referred to in the attachments are from the Laboratory Safety Manual, DPSOP 81, which was issued in November of 1954.

LAO:jfm/3538a
Atts

CC: W. R. Jacobsen
J. G. Donnan
P. C. Padezanin

LIST OF CHEMICALS IN 772-F WHICH ARE ON EPA LIST

Charlie D. Anderson

May 9, 1986

May 9, 1986
C. D. Anderson
1620A

CHEMICAL LIST 772-F
which are on EPA list

P = EPA acute hazardous waste - 40 CFR, Part 261.33 (e)

U = EPA Toxic waste - 40 CFR, Part 261.33 (f)

40 CFR, Part 261.33 (c) and (d) - EPA hazardous waste and characteristics of hazardous waste covered by this list

Codes
I - Fire (less than 140°)
C - Corrosive
T - Toxic
R - Reactive
(no letter) - Toxic

L-122
Hydrofluoric acid U134

L-123
Vanadium Pentoxide P120
Mercury U151

R-128
Methyl Alcohol U154
Toluene U220
Hydrofluoric acid U-134
Mercury U151
Methylene Chloride U080
Methyl Isobutyl Ketone U161
Lead acetate Merck U144
2, 4-Dinitrophenol P048
Cresols U052
Acetone U-002 (I)
Xylene U-239 (I)

L-130
Methyl alcohol U154

L-131
Tetrachloroethene U209
Hydrofluoric acid U134

L-138
Hydrofluoric acid U134
Methyl Alcohol U154

L-142
Methyl Isobutyl Ketone (Hexone) U161

L-146
Methyl Alcohol

L-147
Methyl Isobutyl Ketone U161
Methyl Alcohol

L-149 HP
Methylchloroform U226

L-163
Mercury U151
4 Methyl 2 Pentanone U161

L-171
Methyl Isobutyl Ketone U161

L-174
Arsenic Trioxide P012
Thallic oxide P113
Vanadium Pentoxide P120
Hydrofluoric acid U134

L-175
Chromic acid - calcium salt U032
Lead acetate U144

These are used in several locations:
NOTE: Xylene (I) U239
Acetone (I) U002
Methyl alcohol (I) U154

ATTACHMENT 2

OFFICIAL USE ONLY

SAFETY PRACTICES
DPSOP - 81
November 1954

II HOUSEKEEPING

4. Waste Disposal

a. Non-Radioactive Materials

1) Discard waste paper, scrap wood and scrap metal in the white step-on-type containers with green lettering. Miscellaneous scraps and paper towels should not be left on the tables or desks.

2) Discard broken glass in gray step-on-type containers.

3) Discard oily waste in white step-on-type containers with black lettering.

4) Small amounts of flammable solvents and chemicals (under 100 ml) in general are to be discarded in the sink, however, it is imperative that such materials be flushed with copious amounts of water. Dispose of larger quantities and all quantities of toxic chemicals or solvents as directed by supervision.

5) Inorganic acids discarded in the sinks are to be poured slowly into a large volume of water to protect the sink drains from the corrosive action of the material.

6) Residual quantities of process samples are frequently returned to the plant for recovery. Such materials are to be collected in unbreakable containers.

7) Extinguish and dispose of cigarettes in ash trays.

8) Flammable packing materials that will not fit in step-on-type waste containers, should be removed from the building immediately.

b. Radioactive Material

Follow the radioactive-material-disposal rules for the area in which you work.

2.3 Handling, contd

9) Carefully rinse any corrosive or flammable liquid containers when empty.

10) Wear leather gloves, safety glasses, and a full face shield to transfer and handle liquid nitrogen.

11) The hazards of peroxide formation require that diethyl ether be handled as follows:

a) Purchase diethyl ether in one-pound metal containers only.

b) Keep supply of diethyl ether in any laboratory to a minimum.

c) Never use diethyl ether if the container was originally opened more than 24 hours previously. Discard any diethyl ether remaining in the container within 24 hours after completing analytical work.

d) Follow instructions as outlined in step 7), section II,4,e, for disposal of diethyl ether.

e) If there is any question concerning the presence of peroxides, test the diethyl ether as outlined in SRP Essential Material Method 2E 10.0, "Ether: Peroxides, Spot Test Method," DPSOP 87.

12) The use of all compounds of xenon is prohibited without permission from the Laboratories Section Superintendent. Certain xenon compounds have unstable and explosive properties; especially those containing the xenon tricxide, XeO_3, group.

TABLE 6 LOW ACTIVITY WASTE & LAB WASTE SYSTEM

DESCRIPTION	TANK, SAMPLE CODE	ANALYSES REQUIRED: CONTINUITY OF OPERATION	ANALYSES REQUIRED: ROUTINE	NORMAL RANGE	UNITS	RECHECK	TECHNICAL STANDARD
LAW continuous evaporator feed	8.7, W-1		O/A	< 0.2	vol %		
	8.7, W-2		Pu (TTA)	$<10^{6}$	d/m/ml		
			U	$<10^{-2}$	g/l		
			Free acid	0.5-1.5	N		
			Density	1.02-1.10	g/ml		
LAW neutralizer	6.8, W-1	Pu (TTA)		$<10^{6}$	d/m/ml		
		U		$<10^{-2}$	g/l		
		Density		1.10-1.30	g/ml		
		Total acid		3-5	N		
	6.8, W-2	pH[j]		>8		<8	Min. 8
	6.8, W-3		Density	1.1-1.3	g/ml		
			OH^-	1-2	M		
Pretreated [illegible] wash solution	13.7, W-1		O/A	<0.2	vol %	0.3	Max. 0.5
LAW acid stripping evaporator feed	7.8, W-1		O/A	<0.2	vol %	>0.3	Max. 0.5
	7.8, W-2		pH[k]				
	7.8, W-3		Pu (TTA)	$<10^{6}$	d/m/ml		
			U	$<10^{-2}$	g/l		
			Density		g/ml		
			Total acid		N		
B-Line column waste	9.7, W-1		Alpha	$<10^{4}$	d/m/ml		
	9.7, W-2		Alpha	$<10^{4}$	d/m/ml		
Lab waste evaporator feed	18.7, W-1	O/A		<0.2	vol %	>0.3	Max. 0.5

ATTACHMENT 2

DON'T SAY IT — WRITE IT

TO: M. Hawkins, 703-A DATE: May 27, 1986

FROM: D.D.Walker, 773-A, (5-2612) DDW

SUBJECT: The Fate of Listed Chemical Wastes in the 211-F Evaporator

The following listed chemicals may have been sent to the 211-F general purpose evaporators and thereby may eventually have reached the Tank Farm:

hydrofluoric acid
lead acetate
thallium acetate
acetone
methanol
phenol
4-methyl-2-pentanone (methyl isobutyl ketone, Hexone)
xylene

If any of these chemicals did reach the Tank Farm, the contents of the waste in the Tank Farm might be considered "Listed Waste." However, these chemicals must pass through the 211-F General Purpose Evaporator(low activity waste) or the 18.6-E Evaporator(high activity waste). Processing waste through the evaporators would have the following effects:

Hydrofluoric acid: The pH of both evaporators is maintained above 8, thus this compound would be converted entirely to sodium fluoride (NaF) before it reached the Tank Farm.

Lead acetate: Under the evaporator pot conditions (pH≥8, aqueous solution), Pb(IV) acetate would completely hydrolyze in water and precipitate lead oxide (PbO_2). Pb(II) acetate completely ionizes in aquaous solutions, and plumbite ion ($PbOOH^-$) forms. The lead(II) would likely precipitate as the insoluble sulfate salt.

Thallium acetate: This compound is water soluble and not strongly coordinated. Thus under the dilute aqueous conditions in the evaporator pot, both Tl(I) and Tl(III) acetates would be converted entirely to the hydroxides. Also, Tl(III) is not stable in boiling water and is converted to Tl(I). Thus, the

BEST AVAILABLE COPY

final products of these compounds would be the soluble thallium(I) hydroxide, TlOH.

Xylene: Xylenes and water form a low boiling azeotropic mixture (BP. 95°C, 60% xylene/40% water). Nominally, the 211 F GP evaporator sends 1900 gallons (or more) of a 2000 gallon charge to overheads, leaving only 100 gallons of bottoms. This is enough water to completely strip several hundred gallons of xylene. However, this much xylene would never be sent since there is a limit of 0.5 vol % on the amount of second phase organics which can be sent to the evaporator. In the 18.6E evaporator, second phase organics are allowed to collect in the pot and are periodically washed and discharged. These are sent to storage and eventually to an incinerator.

Phenol: Phenol is slightly soluble in neutral pH water (1 g/15 ml) but becomes more soluble in basic solution due to formation of phenoxide ion (phenol pKa= 9.9). The neutral compound forms a low boiling azeotrope with water (99.5°C, 9.2% phenol/90.8% water). Therefore, its behavior in the evaporator pots will depend on the amount of phenol in the batch and the pH changes as the evaporation proceeds. As an example, let us assume that 1 kg of phenol is present in an evaporator charge of 2000 gallons of water at pH=8. Under these conditions, evaporation of 1900 gallons of water would strip most of the phenol and the increase in pH during evaporation (from 8 to 9) would have no significant effect. However, pH adjustment is not usually very accurate and the initial pH may be as high as 10 or 11. In this case most of the phenol is present initially as phenoxide ion and will not be removed at all. In both cases, the pH at the end of the evaporation cycle is ≥14 and any phenol is present as sodium phenoxide.

Acetone, and methanol: These compounds are miscible with water and are not significantly ionized even in 1 molar hydroxide. The amounts removed during evaporation will depend on the amount present in the batch. Their vapor pressure above the solution will roughly obey Raoult's law. Thus, assuming one gallon of acetone or methanol is present at the start, more than 97% would be stripped in a simple batch evaporation going from 2000 gallons down to 200 gallons. The presence of dissolved salts in the batch will increase the amount of organic stripped.

4-Methyl-2-pentanone: This compound is slightly soluble in water (1.91%) and has a vapor pressure of 400 mm Hg at 100°C. More than 99.9% of it will be stripped during a simple batch evaporation starting with 1 gallon of organic in 2000 gallons of water

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PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C069
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Email from Joseph Price to Jim Schoen RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization	
Source Document Reference Information (author(s), document and revision number, date, publisher): Joseph Price, NA, NA, 12/13/2011, NA	

AK # [b]	Source Doc. Page #[c]	AK Information Summary
PR7, WS2, WS8, WS9, WS12	Throughout	Jim Schoen From: joseph.price@srs.gov Sent: Tuesday, December 13, 2011 7:56 AM To: Jim Schoen Cc: gilmore.lunsford@srs.gov; mj_papp@msn.com Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization All chemicals identified in the memo (SRNS-RP-2010-01101) for 773-A and HBL Facilities. From: "Jim Schoen" <jim.schoen@q.com> To: <joseph.price@srs.gov>, <gilmore.lunsford@srs.gov> Cc: <mj_papp@msn.com> Date: 12/13/2011 09:46 AM Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Thanks Joe- Should all of the chemical constituents associated with F001, F002,and F005 also be assigned to the containers? James M. Schoen, CCP AKE Technical Specialists Washington TRU Solutions Subcontractor 303-838-6552 (office) 303-726-2452 (cell) jim.schoen@q.com From: joseph.price@srs.gov [mailto:joseph.price@srs.gov] Sent: Tuesday, December 13, 2011 5:52 AM To: gilmore.lunsford@srs.gov Cc: Jim Schoen; mj_papp@msn.com Subject: Re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Based on the information provided these referenced waste containers were generated from a

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DATE REC'D 12.21.12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C069
AK # [b]	Source Doc. Page #[c]	AK Information Summary
		spill cleanup of 1970's HBL and SRL (773-A) waste containers. Therefore, we agree the appropriate RCRA listed codes would be a combination of both facilities and F001, F002, and F005 should be assigned to all cleanup material generated. Joe Price (803) 208-8089 (803) 645-5466 (cell) From: Gilmore Lunsford/SRNS/Srs To: Joseph Price/SRNS/Srs@Srs Cc: mj_papp@msn.com, Jim Schoen <jim.schoen@q.com> Date: 12/12/2011 03:11 PM Subject: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Joe, can you help me answer this question(s)? gfl ----- Forwarded by Gilmore Lunsford/SRNS/Srs on 12/12/2011 03:10 PM ----- From: "Jim Schoen" <jim.schoen@q.com> To: '"Jeff Lunsford '" <gilmore.lunsford@srs.gov> Cc: '"Mike Papp'" <mj_papp@msn.com> Date: 12/12/2011 03:07 PM Subject: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Hi Jeff- The SRS-12 HET-B and Soil waste streams have F001 and F005 assigned to them in the Go West database. Can you tell me if SRS has identified the specific F-listed constituents in these containers (see attached list) for these listed codes? If not, are you willing to state that any F001, F002, and F005 constituent may be present in this waste; or will you at least agree with our characterization that they might be? (by the way, they are the same constituents assigned to HET-A for F001, F002, and F005). Thanks! James M. Schoen, CCP AKE Technical Specialists Washington TRU Solutions Subcontractor 303-838-6552 (office) 303-726-2452 (cell) jim.schoen@q.com

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C069

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Elizabeth H Lickliter Date: 12/19/2012

Print Elizabeth H. Lickliter /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P048
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Solvent Tanks (S23 – S30) Interim Closure Plan (U)	
Source Document Reference Information (author(s), document and revision number, date, publisher): Rebecca S. Lewis, SWE-SWE-94-0279, Rev. NA, 07/01/1994	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR4, PR5, WS2, WS8, WS9, WS11, WS12, S9	Throughout	The SRS currently stores various solvent waste in eight underground solvent tanks (S23 through S30). Figure 1 (page 9) identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities. This document is the plan for interim closure of these tanks. Tanks S23 through S30 are a Resource and Conservation and Recovery Act (RCRA) interim status storage facility located in the northern comer of the Low Level Radioactive Waste Disposal Facility (LLRWDF). The tanks were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene. Tanks S23 through S28 were declared unfit for use April 10, 1992, and the contents transferred to S29 and S30. Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of Phase 1 (Interim Closure of S23 through S28), Phase 2 (Interim Closure of S29 and S30, and Phase 3 (Final Closure of S23 through S30). This Interim Closure Plan for S29 and S30 describes the location and operation of solvent tanks and the activities required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. Table 1 on page 18 is the chemical analysis for the tanks, and Table 2 on page 19 lists the radioactive constituents in the tanks.

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DATE REC'D 11-19-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P048

Source Document Data Limitations (if any):

1. Best available copy

Acceptable Knowlege Expert:

Allen Dickerson / [signature] // ad 11/16/12

Print /Sign Date: ~~06/15/2012~~

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

751226

10048

Westinghouse
Savannah River Company

P.O. Box 616
Aiken, SC 29802

ESH-CGP-96-0217

RECORDS ADMINISTRATION
R0596969

July 8, 1996

Mr. G. Randy Thompson, PE, Manager
Hazardous Waste Permitting Section
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Dear Mr. Thompson:

BURIAL GROUND SOLVENT TANKS (S23-S30) INTERIM CLOSURE PLAN, REVISION 3 (U)

Enclosed you will find Revision 3 of the Solvent Tanks (S23-S30) Interim Closure Plan. This revision includes plans for closing tanks S-29 and S-30. Tanks S23-S28 were closed in 1995.

If you have any questions, please call Dan Wells at (803) 725-4332.

Sincerely,

J.W. Cook, Manager
CERCLA, Geological, and Permitting Section
Environmental Protection Department

DGW:aeo
Enclosure*

cc: A. B. Gould, 703-41A (concur)*
V. W Sauls, 703-A (concur)*
M. C. Reese, SCDHEC-Aiken

Letter, J. W. Cook to G. R. Thompson
ESH-CGP-96-0217, July 8, 1996

bcc: M. F. Tyrrell, 724-21E
M. E. Johnson, 742-A
C. N. Williams, 703-41A
S. K. Nicodemus, 724-A
L. C. Thomas, 724-7E
D. G. Wells, 742-A
EPD File Room, 742-A*
Records Administration, 773-52A*

SOLVENT TANKS (S23 - S30)

INTERIM CLOSURE PLAN (U)

SAVANNAH RIVER SITE

UNITED STATES DEPARTMENT OF ENERGY

April 30, 1996

SWE-SWE-94-0279, Rev. 3
Interim Closure of Solvent Tanks S23 through S30
April 30, 1996

SOLVENT TANKS (S23- S30) INTERIM CLOSURE PLAN (U)

PREPARED BY: _____ DATE 5-15-96
S. K. Nicodemus

ADC & RO
REVIEWED BY: _____ DATE 5/20/96
M. B. Birk

DOES NOT CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC & Reviewing Official: _____ (Name and Title)
Date: 5/20/96

Note: changes to the Plan are denoted by **bold** text. In addition, those sections where text has been removed are denoted by a line in the margin.

TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
1.1	Background	1
Figure 1	TANK LOCATION	3
1.2	Regulatory Basis for Closure	4
1.3	Summary of Closure Plan	5
2.0	BACKGROUND DATA	5
2.1	Tank Description	5
Figure 2	SOLID WASTE DISPOSAL FACILITY CONFIGURATION	7
Figure 3	SCHEMATIC OF A TYPICAL TANK	8
2.2	Waste Characterization	9
Table 1	Chemical Analyses for Solvent Tanks	11
Table 2	Radioactive Constituents Identified in Solvent Tanks S23 - S30	12
3.0	DESCRIPTION OF CLOSURE ACTIVITIES	13
3.1	Safety	13
3.2	Tank Decontamination	14
3.2.1	Render Interior Atmosphere Inert	14
3.2.2	Set Up For Remote Cleaning	15
3.2.3	Remote Tank Cleaning	15
3.2.4	Transfer and Storage of Rinse Solution	16
3.3	Inert Filling of Tanks and Risers	16
3.3.1	Technical Justification of Inert Fill Material	16
3.3.2	Justification of Fill Material to Support LLRWDF Cap	17
3.3.3	Sealing All Tank Openings	17
3.3.4	Generation of Water from the Grouting Process	18
3.4	Schedule	18

Section		Page
Figure 4	Preliminary Schedule for Interim Closure of Solvent Tanks S23 - S30	19
4.0	EQUIPMENT DECONTAMINATION	20
5.0	EROSION AND SEDIMENTATION CONTROL PLAN	20
6.0	MAINTENANCE OF CLOSURE PLAN	20
7.0	THE LLRWDF CLOSURE	21
Figure 5	LLRWDF Location Map at E Area	21

1. INTRODUCTION

1.1 Background

The United States Department of Energy (DOE) owns and operates the Savannah River Site (SRS), a nuclear materials production facility located in Aiken, South Carolina. Operations at the SRS have resulted in the generation, storage, and disposal of various wastes, including solid, hazardous, and mixed waste. The SRS currently stores various solvent waste in **two** underground solvent tanks (**S29 and S30**). **Tanks S23 through S28 were closed in August 1995**. Figure 1 identifies the location of the tanks on site. These tanks contain waste from the Separations **Plutonium Uranium Extraction** (PUREX) process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not Resource and Conservation and Recovery Act (RCRA) listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities.

Tanks **S29 and S30** are a RCRA interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility (LLRWDF). Tanks **S29 and S30** were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene.

Tanks S23 through S28, which were 15 years old in 1990, were declared unfit for use April 10, 1992. Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The waste from these tanks have been transferred to S29 and S30 **and interim closure completed in August 1995**. Tanks S29 and S30 were integrity tested in **September 1995**, and **are** used to store the consolidated waste.

Tanks S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements in October of 1996. **Replacement tanks have been** permitted and constructed for storage of the consolidated solvent waste. Replacement tanks **are** available **and waste currently in S29 and S30 will be transferred** by October 1996. **(In addition, any contaminated rainwater not acceptable at a site process facility be pumped into tanks S29 and S30 and subsequently transferred to the replacement tanks).**

The interim closure of solvent tanks S23 through **S28 consisted** of triple rinsing and grouting the tanks in preparation for the final closure. **(Tanks S29 and S30 will be triple rinsed without recycling the rinsate through filters and then grouted).** The final closure of the solvent tanks will be completed as part of the LLRWDF Closure low permeability cover system. The Mixed Waste Management Closure Plan (Volume 2-LLRWDF) **has been** amended to include closure of the solvent tanks.

Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of the following:

Phase 1 (Interim Closure of S23 through S28) - **completed August 1995.**

- S23 through S28 **were** triple rinsed **(recycling the rinsate through filters)** and filled with grout.
- The area around these tanks **was** regraded and managed according to an approved Soil and Erosion Plan.

Phase 2 (Interim Closure of S29 and S30)

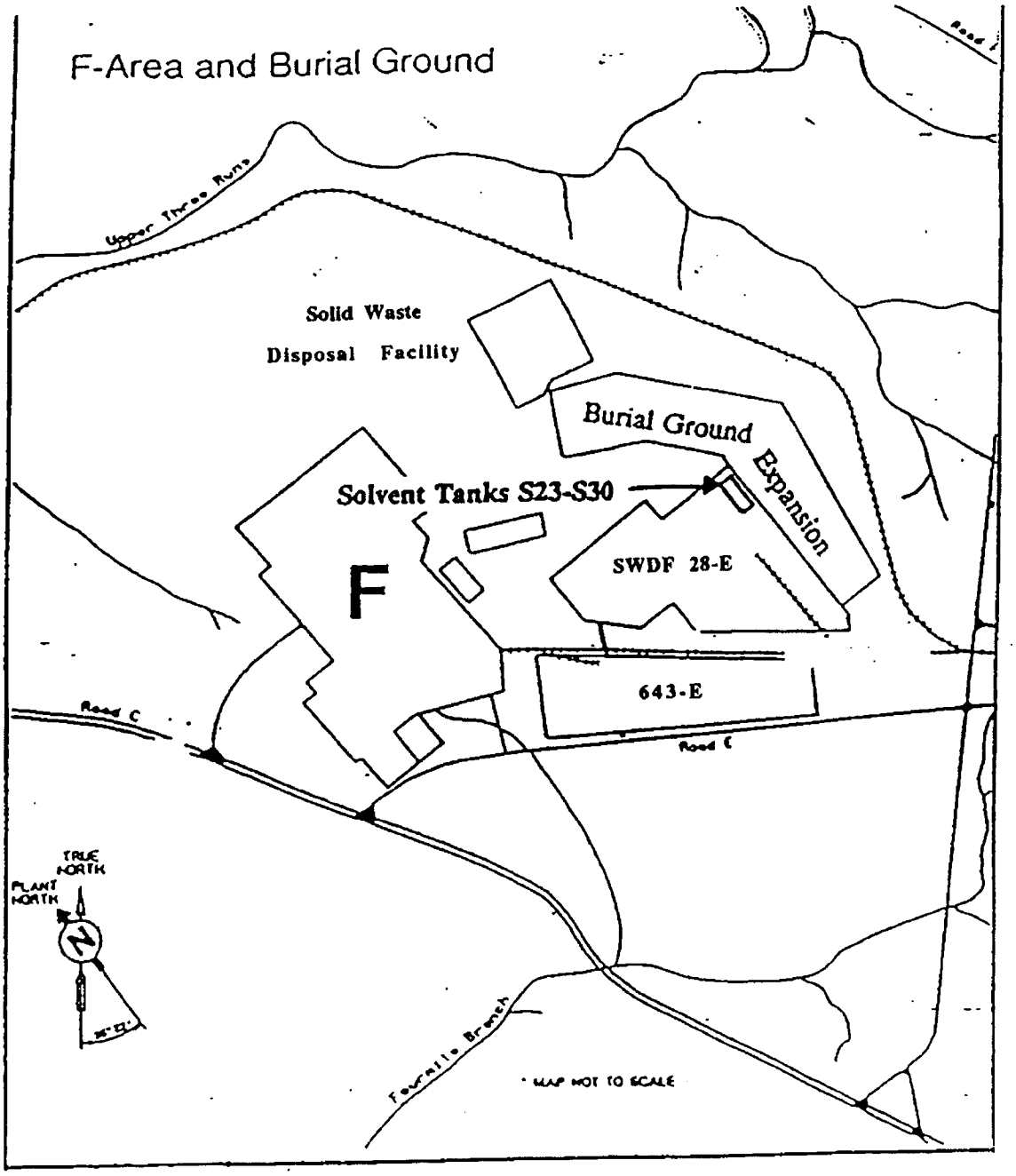
- S29 and S30 **are being** used for the temporary storage of all solvent waste and rinse solution that is generated from the interim closure of S23 through S28.
- S29 and S30 **are** rodded and inspected, and sumps checked per RCRA Interim Status requirements.
- Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (**33H - 36H**) by October 31, 1996.
- S29 and S30 will be **triple** rinsed **(without recycling the rinsate through filters)** and filled with grout.

- The area around these tanks will be regraded and prepared for the LLRWDF Cap.

Phase 3 (Final Closure of S23 through S30)

- S23 through S30 and S32, which was closed in 1988, will be capped as part of the LLRWDF Closure.

Figure 1
TANK LOCATION



1.2 Regulatory Basis for Closure

South Carolina Hazardous Waste Management Regulations (SCHWMR) R. 61-79.265.193(a)(5) requires secondary containment and leak detection for existing tank systems either within two years of the date the tank systems become subject to the regulations or when the tank systems have reached 15 years of age, whichever comes later. Section 265.191 requires that existing tank systems that do not have secondary containment must undergo a tank integrity assessment within 12 months after the date the tank system became subject to the regulations. Additionally, an annual leak test that meets the requirements of Section 265.191(b)(5) must be conducted until such time that secondary containment requirements are met. This is required by 265.193 (i) (2).

Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The contents of S23 through S28 have been transferred to S29 and S30, which successfully passed integrity tests in **September 1995**. Tanks S23 through S28 **were** triple rinsed (**recycling the rinsate through filters**) and filled with grout (**completed in August 1995**) as an interim closure prior to the final LLRWDF Closure. Tanks S29 and S30 will be kept in service until **all stored waste is transferred to the new solvent storage tanks listed in Section 1.1. This transfer will be completed prior to October 31, 1996**. October 31, 1996 is the date that S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment. After this date, replacement tanks **33H** through **36H**, will be used to store the consolidated waste from S29 and S30. An interim closure, consisting of a **triple** rinse (**without recycling the rinsate through filters**) and grouting Tanks S29 and S30, will be implemented upon removal of waste from the tanks. The entire solvent tank storage area **has been** included in the LLRWDF Closure Plan. The LLRWDF Closure is required by RCRA and Settlement Agreement 91-51-SW between South Carolina Department of Health and Environmental Control (SCDHEC) and DOE. The LLRWDF Closure Plan addresses LLRWDF trenches, cells, and boreholes that received hazardous waste in the form of F-Listed solvent rags between March 11, 1986 and January 25, 1990. The LLRWDF Closure Plan is based on SCHWMR R.61-79.265 Subparts G (Closure and Post-Closure Plan) and N (Landfill). The LLRWDF Closure

Plan was submitted to the SCDHEC in August 1993. **It was then amended and submitted in October 1995 to include the solvent tank area. SCDHEC conditionally approved the amended plan in December 1995.**

1.3 Summary of Closure Plan

This Interim Closure Plan for **S29 and S30** describes the location and operation of solvent tanks and the activities that are required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. These activities include a **triple** rinse **(without recycling the rinsate through filters)** with water and filling the tanks with grout. The proposal to rinse and grout the tanks prior to capping will minimize threats to human health and the environment caused by the potential release of hazardous constituents after the closure of LLRWDF.

2. BACKGROUND DATA

2.1 Tank Description

There were originally 32 tanks installed at SRS with the intended purpose of storing spent canyon solvent. Tanks S1-S22 were installed in the Old Radioactive Waste Burial Ground (643-E) between 1955 and 1968. These tanks are being assessed under the RCRA/CERCLA (RFI/RI) Program. Tanks S23 through S28 were installed in the Burial Ground Complex in March of 1976. Tanks S29 through S32 were installed in the Burial Ground Facility in October of 1981. Tank S32 was used to store tritiated oil and was closed in accordance with RCRA regulations in 1988. Tank S31 was never used for storage and has been excavated **and dispositioned through Salvage**. Figure 2 identifies the location of Tanks S23-S30 **and Tank S32** in the Burial Ground Complex.

Solvent Storage Tanks S23 through S30 are constructed of 3/8" thick carbon steel, coated with three applications of bitumastic coating to prevent external corrosion. A schematic diagram of a typical tank is shown in Figure 3. Each tank is cylindrical, measures 10'6" x 38'10", and has a 25,000 gallon capacity. Each tank is supported by four steel saddles, resting on a sloping concrete pad approximately 15 feet below grade. As a preventive

measure against the tanks floating under high groundwater conditions, each tank was anchored to its pad with four metal bands. Each pad is sloped 0.2 inches per foot (6 1/8 inches over the length of the pad) toward a 64 gallon bitumen coated steel collection sump. The top of each pad is **sloped towards the center** so that any spillage flows towards the center line of the pad. At the sump-end of the pad, a 2 inch diameter pipe directs liquids from the pad into the underlying sump. Each solvent storage tank and its respective sump are covered by an oil resistant 30 mil PVC liner. The PVC liner is covered by a layer of topsoil which is in turn covered by asphalt and seeded mulch. Each tank is equipped with a rodding tube for inventory purposes, a fill tube, and an emptying tube. All ancillary equipment is enclosed by the PVC liner except for those portions above the ground surface that can be visually inspected. Each solvent storage tank contains one HEPA filtered vent. Tanks S29 and S30 are identical to Tanks S23 through S28 except that they have a manhole and a 30 mil PVC liner that extends below the concrete pad up to the surface. Drawing Q-CP-E-0001 (Appendix 1) provides details and cross sections of a typical tank.

WSRC site procedures provide administrative controls which have been used to prevent the tanks from overflowing during filling operations. These controls include taking inventory measurement of the tank proposed to receive the waste, calculating the remaining available capacity, and determining that the volume of the waste to be transferred does not exceed the available space. Inventory measurements are made using a calibrated stainless steel rod.

The sumps for tanks S23 through S30 have been checked bi-weekly for the accumulation of liquid since the tanks were in service, whether or not the tanks were involved in filling/emptying operations. The sump contents are sampled and analyzed for alpha and beta-gamma activity. Based on these laboratory results, the contents of the sump are **either** pumped to grade, stored as low level waste, or stored as mixed waste.

These tanks fall within the unit facility boundary for the combined Burial Ground Complex RCRA/CERCLA unit. Interim and Final Closure of the solvent tanks will proceed under RCRA guidance; however, closure data and any environmental impacts will be incorporated into, and evaluated under, the RCRA/CERCLA program for the combined Burial Ground Complex.

Figure 2
SOLID WASTE DISPOSAL FACILITY CONFIGURATION

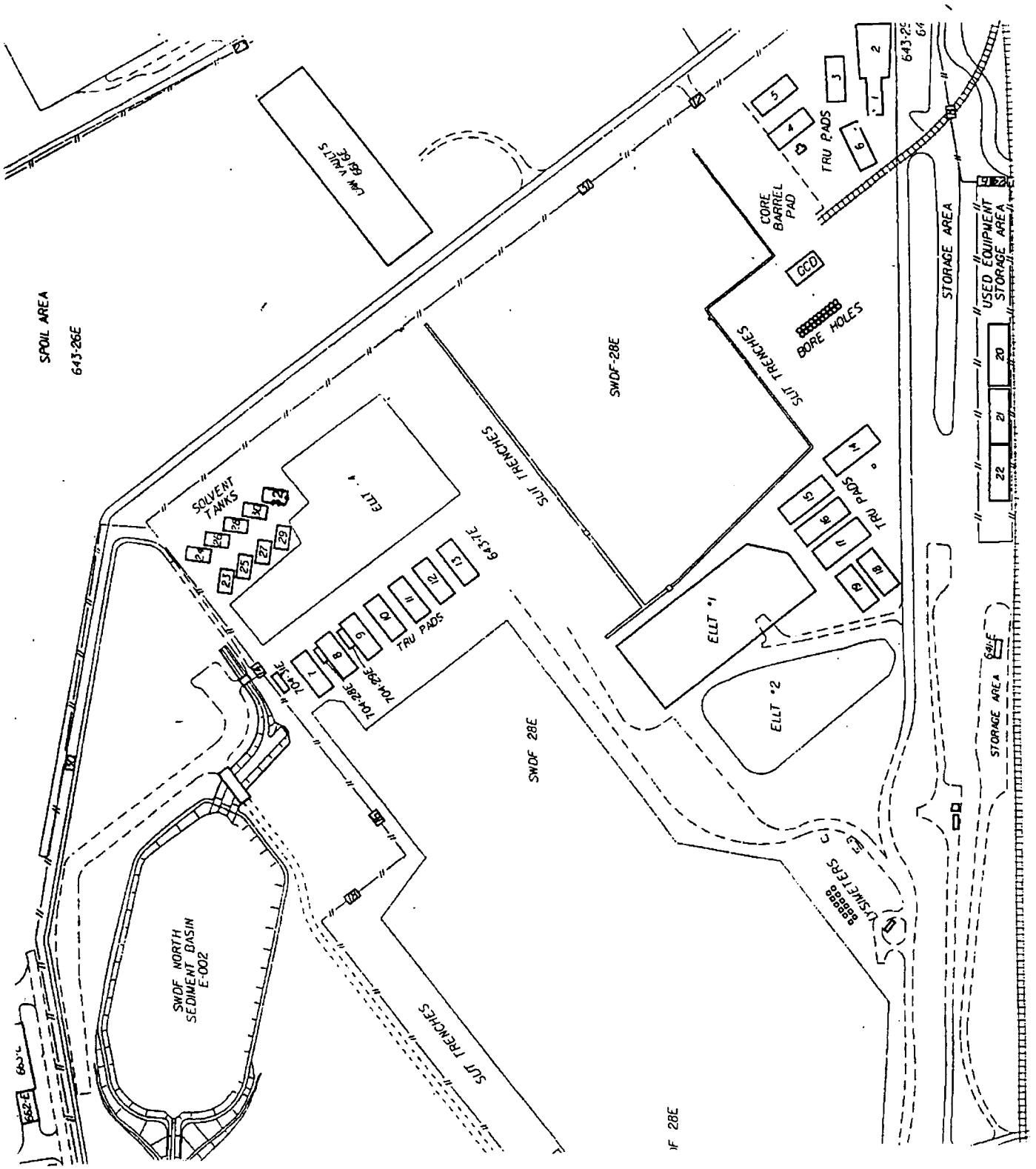
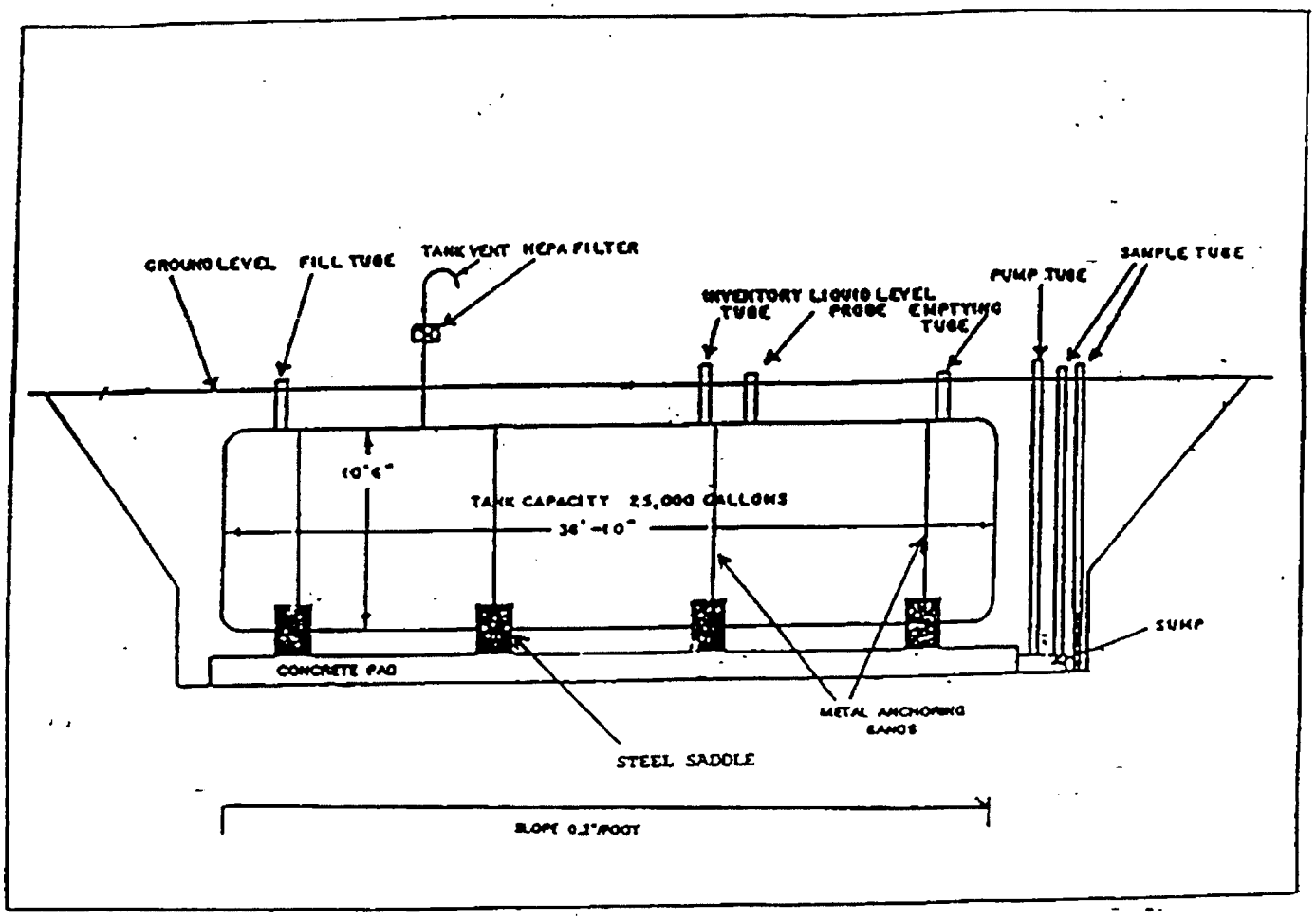


Figure 3
SCHEMATIC OF A TYPICAL TANK



2.2 Waste Characterization

In the past, solvent waste consisted of such items as oils, scintillation fluids, n-paraffin, Ultrasene, and TBP. The current inventory consists primarily of n-paraffin and TBP from the Separations PUREX process. Because of the variety of sources, the composition of the waste is varied. In the radiochemical separations process at SRS, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically TBP in n-paraffin with residuals of uranium, plutonium, and fission products) is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible. In the past this material was shipped to solvent tanks S1-S22 in the Old Burial Grounds (643-E). Some of the material was disposed of by burning in open pans in the Old Burial Grounds. Because of air quality standards, this practice was discontinued. As solvent tanks S23-S30 became operational, the remaining waste from S1-S22 and all subsequent solvent shipments were transferred to these tanks. In the early 1980's, another disposal campaign was begun which burned the majority of the remaining material at the Beta Gamma Incinerator (BGI). This operation was also discontinued.

A sampling and analysis plan was completed and executed in September 1991 which included an isotopic analysis and both TC metal and organic analyses. The Savannah River Technology Center (SRTC) completed the isotopic analyses which resulted in ranges from 6.40E+03 to 5.51E+05 disintegrations / minute / milliliter (d/m/ml) gross alpha and 2.35E+03 to 2.12E+05 d/m/ml beta-gamma. The SRTC was also able to perform volatile and semi-volatile organic analysis. However, due to inadequate equipment and unapproved procedures, they were only able to complete a screening for TC metals. Samples were then sent to Oak Ridge National Laboratory (ORNL) for TC metals analysis.

On March 18, 1992, SRS received sample results from the TC metals analysis from ORNL which indicated that the wastes are hazardous for silver, lead, and mercury. Analytical results from ORNL for hazardous constituents are not available for tanks S27 and S29 due to the shut down of exhaust hoods that were necessary to perform a proper digestion of an organic sample prior to analysis for TCLP metals. It is assumed that these tanks contained all the hazardous constituents found in the analytical results for the other tanks.

Current data indicate that elevated levels of benzene, TCE, lead, mercury, and silver are present in some of the tanks. Radioactive constituents are present in all of the tanks. Table 1 summarizes the hazardous constituents detected in the tanks. Table 2 gives a summary of the radioactive constituents identified.

Table 1

Chemical Analyses for Solvent Tanks

Tank	Analy No (ORNL)	Approximate Volume (Gallons)*	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Ba (ppm) (ORNL)	Be (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)	pH (SRTC)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5	<2, >12.5
Tank S-23 Top (organic)	920330-075	824	< 500	< 50	650	475	< 0.002	< 0.002	< 0.002	0.021+/-0.005	< 0.004	0.548+/-0.027	0.44+/-0.048	< 0.094	
Tank S-23 Bot (aqueous)	920330-076	3343	9888	34	77	50	1.28 +/-0.02	119+/-0.025	<0.002	2.29+/-0.01	0.042+/-0.004	0.21+/-0.006	2.8+/-0.13	1.32+/-0.32	11.31
Tank S-26 Top (organic)	920204-137	90	3445	< 5	< 5	< 5	0.055+/-0.04	< 0.008	< 0.009	1.11+/-0.01	< 0.004	< 0.005	< 0.036	< 0.094	
Tank S-26 Bot (aqueous)	920204-138	197	2584	< 5	< 5	< 5	2.46+/-0.15	< 0.008	< 0.009	4.32+/-0.08	0.128+/-0.015	0.492+/-0.015	5.88+/-0.6	2.3+/-3.80	n
Tank S-27 Top (organic)		22804	Below TCLP Limits	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-27 Bot (aqueous)		551	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S-28 Top (organic)	920204-139	15	9282	?	<5	<5	0.72+/-0.085	< 0.008	< 0.009	3.3+/-0.015	0.102+/-0.05	0.248+/-0.025	1.37+/-1.87	2.75+/-2.75	
Tank S-28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	< 0.008	< 0.009	9.67+/-0.09	0.842+/-0.025	3.13+/-0.015	24.18+/-.385	24.39+/-1.09	NA
Tank S-29 Top (organic)		0 **	Below TCLP Limits	280	Below TCLP Limits	Below TCLP Limits	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-29 Bot (aqueous)		57	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S-30 Top (organic)	920330-077	240	< 100	< 5	< 5	< 5	< 0.002	< 0.002	< 0.002	0.042+/-0.007	< 0.004	0.703+/-0.019	0.428+/-.059	< 0.094	
Tank S-30 Bot (aqueous)	920330-078	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0.017	0.109+/-0.01	0.134+/-.061	< 0.094	NA

WEIGHTED AVERAGE*** .

Tank	Analy No (ORNL)	Approximate Volume (Gallons) *	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Ba (ppm) (ORNL)	Be (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23		4187	7676	37	190	134	1.043	0.118	< 0.002	1.85	0.038	0.287	2.447	1.334
Tank S-26		287	2840	< 5	< 5	< 5	1.821	< 0.008	< 0.009	3.351	0.099	0.35	4.46	4.22
Tank S-28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	8.325	< 0.008	< 0.009	8.923	0.497	1.68	13.38	15.15
Tank S-30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.026	0.041	0.079	0.09	0.025	0.43	0.348	0.094

*Measured at the time of sampling.

Tanks S-24 and S-25 contain no measurable liquids

** Tanks S-27 & S-29 were analyzed by SRTC only

*** While there was an organic layer in the Sample, the layer was not thick enough to be measured by sticking techniques

**** Tanks S-27 & S-29 are not included in the weighted averages

Table 2

Radioactive Constituents Identified in Solvent Tanks S23 - S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 - 5.57E-04 Cs137 - 4.47E-02 Eu154 - 5.82E-04 Am241 - 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 - 5.72E-04 Cs137 - 4.47E-02 Eu154 - 3.27E-04 Am241 - 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 - 6.53E-03 Cs137 - 2.38E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 - 6.57E-03 Cs137 - 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 - 2.51E-04 Eu154 - 3.68E-03 Eu155 - 5.96E-04	<1%Pu239 30.6%Pu238 4.5%Am241 69.7%Cm244	9.7E-01	1.1E-01	7.6E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 - 2.59E-04 Eu154 - 3.87E-03 Eu155 - 5.88E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 - 1.86E-04 Eu154 - 3.88E-03 Eu155 - 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 - 4.29E-03 Eu155 - 6.69E-04	<1%Pu239 40.8%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.6E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 - 3.04E-04 Sb125 - 3.07E-03 Cs137 - 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 - 1.38E-04 Sb125 - 2.99E-03 Cs137 - 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 - 1.80E-03 Cs137 - 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 - 1.76E-03 Cs137 - 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 - 2.18E-04 Sb125 - 1.17E-03 Cs137 - 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 - 7.30E-04 in top layer Co60 - 2.27E-04 Cs137 - 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

3. DESCRIPTION OF CLOSURE ACTIVITIES

3.1 Safety

During closure operations, SRS will comply with the requirements of OSHA 1910.120 Site Specific Safety and Health Plan which includes a site specific Safety, Health, and Emergency Response Plan.

The concept of keeping employee radiation exposure "As Low As Reasonably Achievable" (ALARA) **has been** incorporated. All aspects of radiation control will be performed in accordance with the WSRC 5Q Manual, ***Radiological Control***. A Radiation Work Permit (RWP) will be written prior to initiation of the job. After the RWP is written, SW will perform an ALARA Review. Workers will sign the RWP as required.

The subcontractor Radiological Control Operations (RCO) will perform all radiological monitoring. The subcontractor will also perform all Industrial Hygiene (IH) personnel exposure monitoring with the WSRC IH Department providing oversight on the subcontractor's monitoring.

All personnel working within the closure area shall submit to SRS Invivo/Invitro bioassay and dosimetry and provide documentation of a physical within the last 12 months to document fitness-for-duty.

Site workers shall have had the appropriate training as follows:

1) All personnel brought on site
   - SRS General Employee Training
   - Hazard Communications Standards

2) Personnel working within the closure area may be required to have the following training, depending on the actual work to be performed:

   - SRS Radiation Worker II Training with Facility Specific Practical Training (32 hours) **or successfully complete appropriate testing requirements.**

- General Respiratory Training
- Negative Pressure Respiratory Training (1 hours)
- SRS Plastic Hood and Plastic Suit Training (3 hours)
- RCRA Training
- Hazardous Materials Transportation Training (4 hours)
- OSHA Hazardous Waste Operator and Emergency Response (HazWOPER) class and a minimum of 3 days field experience taught by supervisors who are trained and experienced in hazardous waste operations
- Appropriate Manager/Supervisor 8 hour OSHA training for all supervisors

Personnel must re-qualify for all training as required by site procedures. **Training will either be completed at the SRS or offsite training will be used if equivalent to SRS training.**

3.2 Tank Decontamination

The interior of Tanks **S29** and S30 will be **triple** rinsed **(without recycling the rinsate through filters)** with water using an industrial-grade rotary cleaner. (Tanks **S23 through S28 were triple rinsed using filters with the rinse water recycled through a trailer mounted filter assembly**). **By excluding the use of a filter assembly, the possibility of radiation exposure to the employees and the environment will be reduced**. The rinsing activities will be followed by placement of grout in the tanks.

The physical methods of rinsing S29 and S30 **will** vary from the contract requirements for rinsing S23 through S28 in that S29 and S30 will be **triple** rinsed **(without recycling the rinsate through filters); however, rinsing and grouting will, at a minimum, meet the requirements (specified in the previous revision of this Plan) for Tanks S23 through S28**.

3.2.1 Render Interior Atmosphere Inert

Prior to beginning closure activities the concentrations of flammable gases will be measured. If the concentration exceeds 10% of the Lower Explosive Limit (LEL)

for the flammable gases, the interior of the tanks will be rendered inert by purging the tanks. The outflow from the purged tanks will be HEPA filtered.

3.2.2 Set Up For Remote Cleaning

Containment huts or glove bags will be used for contamination control during the remote cleaning of each tank. The remote cleaning head will be lowered through the 6-inch diameter riser and secured to the riser flange. A pipe will be inserted into the tank's lowside 4-inch diameter riser for discharge of the rinsate.

3.2.3 Remote Tank Cleaning

The first phase of tank cleaning will consist of washing the tank using a **Fury 400 Tank Washer** rotary machine installed into the existing 6-inch riser. **Fury 400 Tank Washer** rotary machines are commercially-available, industrial-grade units used to clean all types and sizes of industrial process, storage, and transport tanks using precision jet impact force and liquid volume to effectively scrub, wash, and rinse internal tank surfaces automatically. The **Fury 400 Tank Washer** is powered hydraulically by the rinsing **liquid**. Complete 360 degree rotation in both the horizontal and vertical planes ensures full tank cleaning coverage. To achieve adequate cleaning of the solvent tanks, the **Fury 400 Tank Washer** will be suspended to the tank center by a supply pipe which will carry the **water**. A **minimum** cleaning force of **80** lbs/sq. ft. will be generated and a tank cleaning cycle time of **15** minutes **will be used**.

For cleaning, **an estimated** volume of **3,000 gallons (1,500 per tank)** of water will be used. Through the process of tank washing, residual sludge and waste will become flowable and be removed with the suction pump used to remove rinsate. All sludge, **any contaminated rainwater accumulated in storage,** and rinsate will be transferred to **33H through 36H. The Fury 400 Tank Washer steel pipe will either be cut and allowed to fall into the emptied tanks or removed, depending on the amount of contamination.**

(Final Rinse Section removed; no longer applicable).

3.2.4 Transfer and Storage of Rinse Solution

Rinsate will be removed from the tank via a pump taking suction on the steel drain pipe which is inserted and sealed to the 4-inch riser closest to the tank sump to take maximum advantage of the tank slope. All rinsate generated from the cleaning of **S29 and S30** will be transferred to tanks **33H through 36H**.

(Storage and Disposal of Filters and Resin Section removed; no longer applicable).

3.3 Inert Filling of Tanks and Risers

After completion of the tank cleaning and decontamination, each tank will be filled with Low Strength Grout (150 psi). **When possible,** the sealing of all tank openings will occur in parallel with inert fill activities. The grout will be allowed to cure for two weeks **before capping**. After the cure period, the risers will be capped with metal caps and Belzona Super Metal.

3.3.1 Technical Justification of Inert Fill Material

Controlled, low strength material (CLSM) also known as "flowable fill" or "grout" will be used to fill the tanks after cleaning operations. The following criteria were considered by SRS for the grout fill formulation:

1) Maximum temperature rise due to hydration reactions should not exceed 50 degrees C.
2) Minimum 56 day compressive strength of 150 psi.
3) Set time between 4 hours and one week.
4) Must be pumpable and flowable.

A grout formulation consisting of cement, flyash, sand, and water will meet these proposed criteria. The in-place density of this material would be approximately 135 lbs/cubic ft. This weight will be more than adequate to prevent flotation. The

material can be easily transported to the site and pumped into place. The flyash adds to the flowability of the material. According to the National Ready-Mix Concrete Association, the material has flow characteristics similar to that of cement slurry. Grout does not require tamping or vibration to ensure adequate placement and is liquid enough to prevent mounding or void. By pumping the grout into place, minimal voids should be left in a filled tank. The chemistry of the grout is such that there will be minimal reactivity with the tank walls. Grout is essentially a non-leaching material. Also the grout has minimal potential for allowing migration of groundwater through the tank, and thereby, should aid in resisting the leaching of any residual hazardous or radioactive constituents inside the tank or on its interior wall.

3.3.2 Justification of Fill Material to Support LLRWDF Cap

The compressive strength capabilities of the grout mix has also been evaluated. This evaluation was included to present information which might be a factor during installation of the proposed LLRWDF cap. An eight foot (8) thick cap is being considered for installation over the solvent storage tanks. The estimated stress on each of the tanks caused by the LLRWDF cap is 1000 pounds per square foot or 7 psi versus the 150 psi strength of the grout. As a result, the strength of the grout filled tanks will be more than adequate to support the weight of the cap. Additionally, if the tops of the tanks were to rust through, the grout would prevent cave-in of the cap.

3.3.3 Sealing All Tank Openings

Sealing of all tank openings will be completed in parallel with the inert fill activities. BELZONA Super Metal will be used to adhere the caps to the tank openings. BELZONA is a two-component paste-grade system based on a silicon steel alloy blended with high molecular weight reactive polymers and oligomers. When cured, the material is durable with typical tensile shear adhesion of 2,700 psi. Each of the risers will be oversized-capped and sealed. Each application will be visually inspected by a Quality Assurance Inspector.

3.3.4 Generation of Water From The Grouting Process

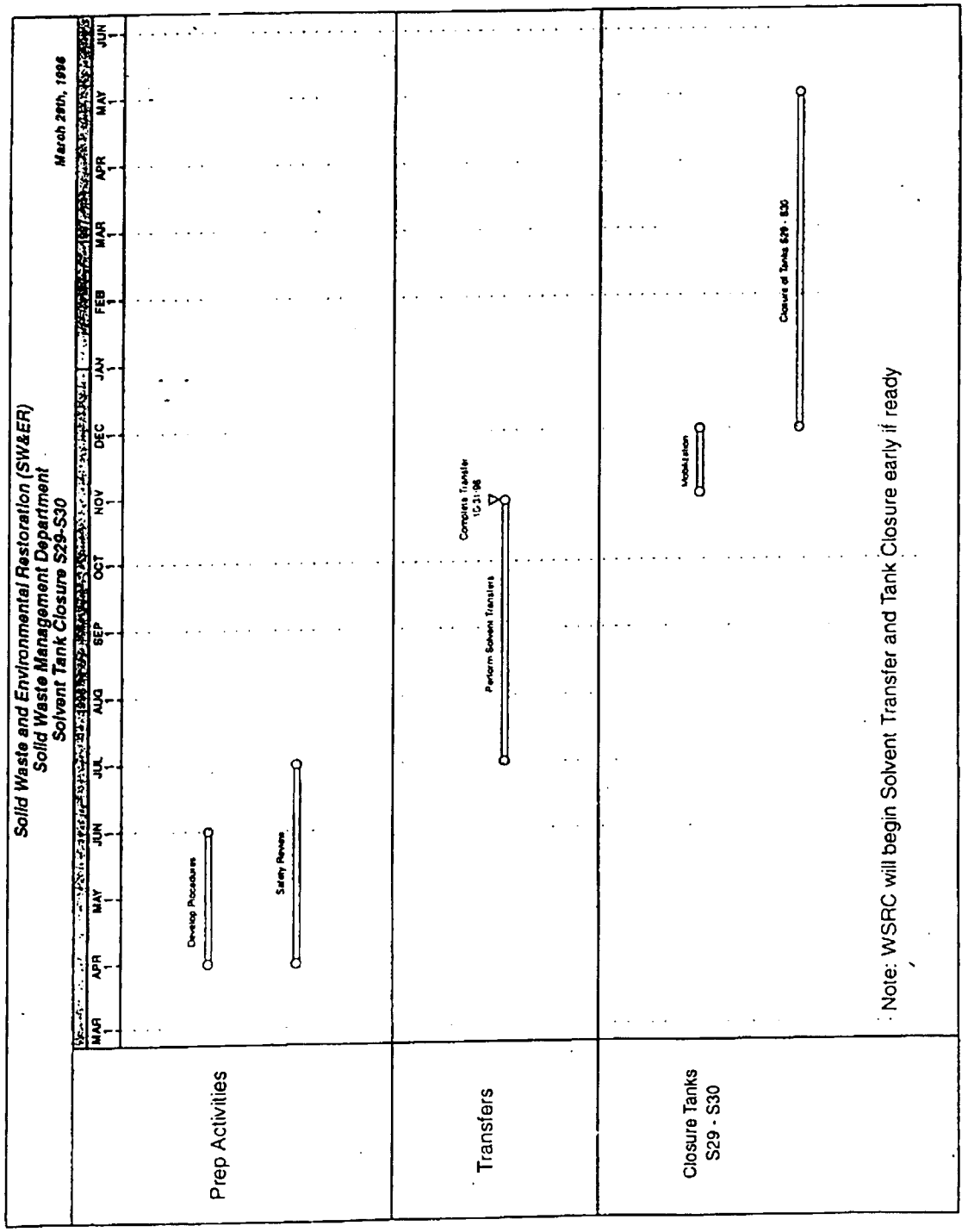
A **maximum of** approximately 4000 gallons of water **could** be displaced from the grout as it cures in the tanks. The water will be sampled for tritium, gross alpha, gross beta/gamma, pH, and TCLP constituents. Based on the results of the sample **analysis**, the grout water will be dispositioned to Solvent Tanks **33H** through **36H** or the 211-F General Evaporators (**will be used as a back-up possibility only**).

3.4 Schedule

Figure 4 identifies the milestone activities, their respective anticipated **start dates, and** duration. **However**, unanticipated precautions and requirements may arise and may preclude **starting or** completing an activity within the estimated time frames. To the extent that activities can take place concurrently, total closure time may be reduced.

Figure 4

Preliminary Schedule for Interim Closure of Solvent Tanks S23 and S30 (S29 and S30 in 1996 - 1997)



4.0 EQUIPMENT DECONTAMINATION

The equipment used to implement this tank closure will be inspected by RCO for the presence of radioactive contamination. These items may include pumps, transfer hoses, etc. An appropriate **cleaner**, as necessary, will be used to clean all equipment identified by RCO as requiring such action. The cleaning solution will be collected and analyzed for TCLP constituents of concern and radioactive contamination. Equipment that cannot be decontaminated will be managed as radioactive waste, hazardous waste, or mixed waste, as appropriate. Hazardous and mixed waste will be sent to an appropriate RCRA permitted hazardous or mixed waste treatment, storage or disposal facility; radioactive waste will go to the **E Area Vaults**, and any excess clean soil will be used in regrading the tank area. **The cleaning solution will be dispositioned by storing it in Solvent Tanks 33H through 36H or sending it to the 211F evaporators (as a back-up possibility only).**

5.0 EROSION AND SEDIMENTATION CONTROL PLAN

An Erosion and Sediment Control Plan (Appendix 2) **was** completed for the Closure of Solvent Tanks **S23 through S28** as required by the South Carolina Land Resources Commission. This plan provided for the regrade of the ground surface to enhance drainage. The Erosion and Sediment Control Plan **was** implemented following the completion of sealing the tank closures. **Since the land disturbance for the closure of tanks S29 and S30 is less than one-half acre, a separate Erosion and Sediment Control Plan will not be necessary.**

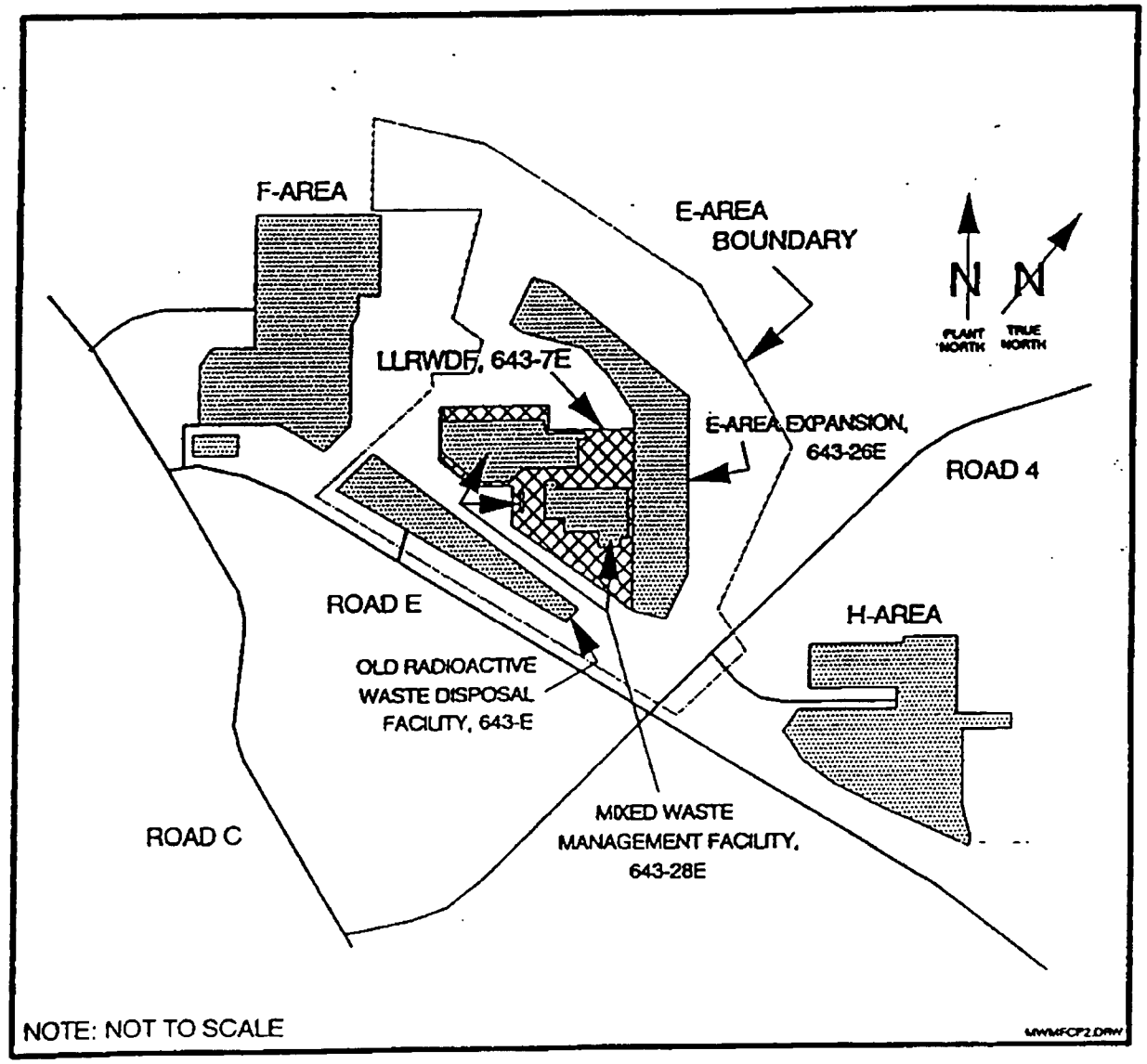
6.0 MAINTENANCE OF CLOSURE PLAN

A copy of the SCDHEC approved Interim Closure Plan will be kept at Building 724-7E until closure is completed.

7.0 THE LLRWDF CLOSURE

The area where the Solvent Storage Tanks are located is included in the LLRWDF portion of the Burial Ground Complex. The LLRWDF Closure consists of non-contiguous Engineered Low Level Trenches (ELLTs), and Trench Areas. LLRWDF is the area (643-7E) depicted in Figure 5. The requirements under RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE are the basis for the LLRWDF closure. The LLRWDF Closure Plan was submitted to SCDHEC in August 1993. This closure plan **has been** amended to include solvent tanks S23 through S32, with the exception of S31 which was never used, and has been excavated **and dispositioned**.

Figure 5
LLRWDF Location Map at E Area



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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C061
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a] : Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Schoen, NA, NA, 11/18/2011, NA	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR6, PR7, WS1, WS2, WS3, WS9, WS10, WS11	Throughout	Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present. Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S51 00) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream. Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information. To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream. The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached

CCP RECORDS ORIGINAL
DATE REC'D 12-15-11

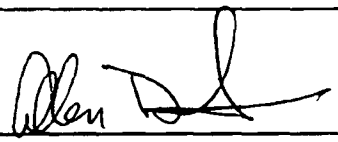
Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C061
AK # [b]	Source Doc. Page # [c]	*AK Information Summary*
		Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx"). From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson /  Date: 12/05/2011

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

C061

Letter to AK Record

Author: James M. Schoen
CCP AKE

Date: November 18, 2011
Telephone Number: 303-838-6552

Subject: Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B

Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present.

Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream.

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To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream.

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From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

C061

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.09%	0.00% - 7.20%	0.38%	0.00% - 2.97%	Yes
Pu-238	1.48%	0.00% - 11.97%	33.16%	0.00% - 91.09%	Yes
Pu-239	**3.27%**	0.00% - 77.74%	0.27%	0.00% - 43.98%	Yes
Pu-240	**94.65%**	22.24% - 99.25%	28.25%	1.99% - 67.67%	Yes
Pu-242	Not Reported				Yes[6]
U-233	Not Reported				No
U-234	Not Reported				No
U-238	Not Reported				No
Cs-137	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Sr-90	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Additional Radionuclides					
Am-243	0.13%	0.01% - 0.30%	0.03%	0.00% - 0.09%	Yes
Cm-244	0.35%	0.00% - 10.42%	37.22%	0.00% - 87.84%	Yes
Cm-245	Trace	0.00% - 0.01%	Trace	0.00% - 0.02%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Np-237	0.03%	0.00% - 9.27%	Trace	0.00% - 0.01%	Yes
Pu-241	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ra-226	Trace	Trace - 0.01%	0.60%	0.27% - 9.94%	Yes
U-235	0.00%	0.00%	0.00%	0.00%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy.

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	SR-90 g	Cs-137 g	Eu-154 g	Ra-226 g	U-235 g	Np-237 g	Pu-238 g	Pu-239 g	Pu-240 g	Am-241 g
SR108165	5.86E-08	9.19E-08	9.39E-09	5.09E-07	0.00E+00	0.00E+00	4.74E-04		9.08E-02	
SR108166	1.71E-08	2.68E-08	1.91E-09	4.16E-07	0.00E+00	0.00E+00	2.36E-04		5.84E-03	5.24E-04
SR108167	2.90E-08	4.54E-08		6.33E-07	0.00E+00	0.00E+00	2.21E-04		3.27E-02	
SR108169	2.79E-08	4.37E-08	1.57E-09	5.14E-07	0.00E+00	0.00E+00	4.06E-04		6.08E-03	
SR108170	1.59E-09	2.50E-09		6.07E-07	0.00E+00	0.00E+00	2.00E-04		7.16E-03	
SR108172	3.59E-09	5.63E-09		2.82E-07	0.00E+00	0.00E+00	1.42E-04		2.59E-03	
SR108173	3.34E-09	5.25E-09		6.08E-07	0.00E+00	0.00E+00		2.01E-02	5.75E-03	
SR108174	1.34E-07	2.10E-07	7.31E-09	5.31E-07	0.00E+00	0.00E+00	1.33E-03		3.22E-02	
SR108175	1.79E-08	2.80E-08	1.40E-09	6.22E-07	0.00E+00	0.00E+00	6.89E-04		1.38E-02	
SR108179	9.07E-09	1.42E-08	1.13E-09	4.12E-07	0.00E+00	0.00E+00	2.62E-04		3.47E-03	
SR108180	5.21E-09	8.17E-09	1.70E-09	1.47E-07	0.00E+00	0.00E+00	7.95E-04		9.92E-03	
SR89797	8.39E-10	1.32E-09		2.17E-07	0.00E+00	1.81E-04	8.10E-05		1.69E-03	
SR108168	1.13E-06	1.77E-06	6.07E-08		0.00E+00	0.00E+00	2.21E-03		3.52E-01	
SR108172A	5.34E-09	8.37E-09			0.00E+00	0.00E+00	1.13E-03		8.31E-03	
SR108171	1.02E-08	1.60E-08		5.46E-07	0.00E+00	0.00E+00	9.05E-04		9.65E-03	
SUM	1.45E-06	2.28E-06	8.51E-08	5.28E-06	0.00E+00	1.81E-04	9.08E-03	2.01E-02	5.82E-01	5.24E-04
Wt%	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**1.48%**	**3.27%**	**94.65%**	**0.09%**
NUCLIDE	**SR-90 Ci**	**Cs-137 Ci**	**Eu-154 Ci**	**Ra-226 Ci**	**U-235 Ci**	**Np-237 Ci**	**Pu-238 Ci**	**Pu-239 Ci**	**Pu-240 Ci**	**Am-241 Ci**
SR108165	8.09E-06	8.09E-06	2.51E-06	2.39E-04	0.00E+00	0.00E+00	8.20E-03	0.00E+00	2.09E-02	0.00E+00
SR108166	2.36E-06	2.36E-06	5.10E-07	1.96E-04	0.00E+00	0.00E+00	4.08E-03	0.00E+00	1.34E-03	1.82E-03
SR108167	4.00E-06	4.00E-06	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.82E-03	0.00E+00	7.52E-03	0.00E+00
SR108169	3.85E-06	3.85E-06	4.19E-07	2.42E-04	0.00E+00	0.00E+00	7.02E-03	0.00E+00	1.40E-03	0.00E+00
SR108170	2.19E-07	2.20E-07	0.00E+00	2.85E-04	0.00E+00	0.00E+00	3.46E-03	0.00E+00	1.65E-03	0.00E+00
SR108172	4.95E-07	4.95E-07	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.46E-03	0.00E+00	5.96E-04	0.00E+00
SR108173	4.61E-07	4.62E-07	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-03	1.32E-03	0.00E+00
SR108174	1.85E-05	1.85E-05	1.95E-06	2.50E-04	0.00E+00	0.00E+00	2.30E-02	0.00E+00	7.41E-03	0.00E+00
SR108175	2.47E-06	2.46E-06	3.74E-07	2.92E-04	0.00E+00	0.00E+00	1.19E-02	0.00E+00	3.17E-03	0.00E+00
SR108179	1.25E-06	1.25E-06	3.02E-07	1.94E-04	0.00E+00	0.00E+00	4.53E-03	0.00E+00	7.98E-04	0.00E+00
SR108180	7.19E-07	7.19E-07	4.54E-07	6.91E-05	0.00E+00	0.00E+00	1.38E-02	0.00E+00	2.28E-03	0.00E+00
SR89797	1.16E-07	1.16E-07	0.00E+00	1.02E-04	0.00E+00	1.29E-07	1.40E-03	0.00E+00	3.89E-04	0.00E+00
SR108168	1.56E-04	1.56E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	8.10E-02	0.00E+00
SR108172A	7.37E-07	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-02	0.00E+00	1.91E-03	0.00E+00
SR108171	1.41E-06	1.41E-06	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.57E-02	0.00E+00	2.22E-03	0.00E+00
SUM	2.01E-04	2.00E-04	2.27E-05	2.84E-03	0.00E+00	1.29E-07	1.57E-01	1.26E-03	1.34E-01	1.82E-03
Ci%	**0.04%**	**0.04%**	**0.00%**	**0.60%**	**0.00%**	**0.00%**	**33.16%**	**0.27%**	**28.25%**	**0.38%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Pu-241 g	Am-243 g	Cm-244 g	Cm-245 g	SUM		SR-90 Wt%	Cs-137 Wt%	Eu-154 Wt%
SR108165	0	8.35E-05	7.43E-04	4.41E-06	9.21E-02		0.00%	0.00%	0.00%
SR108166	0.00E+00	2.16E-05	6.58E-04		7.28E-03		0.00%	0.00%	0.00%
SR108167	0	2.53E-05			3.29E-02		0.00%	0.00%	0.00%
SR108169	0	1.87E-06	7.55E-04		7.24E-03		0.00%	0.00%	0.00%
SR108170	0	1.58E-05			7.38E-03		0.00%	0.00%	0.00%
SR108172	0	1.95E-06			2.73E-03		0.00%	0.00%	0.00%
SR108173	0	2.48E-06		3.30E-06	2.59E-02		0.00%	0.00%	0.00%
SR108174	0	6.61E-05			3.36E-02		0.00%	0.00%	0.00%
SR108175	0	1.31E-05			1.45E-02		0.00%	0.00%	0.00%
SR108179	0	4.89E-06			3.74E-03		0.00%	0.00%	0.00%
SR108180	0	1.46E-05			1.07E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	5.20E-07			1.95E-03		0.00%	0.00%	0.00%
SR108168	0.00E+00	5.56E-04			3.55E-01		0.00%	0.00%	0.00%
SR108172A	0.00E+00	2.58E-06			9.44E-03		0.00%	0.00%	0.00%
SR108171	0.00E+00	4.39E-06			1.06E-02		0.00%	0.00%	0.00%
SUM	0.00E+00	8.15E-04	2.16E-03	7.71E-06	6.15E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Wt%	**0.00%**	**0.13%**	**0.35%**	**0.00%**	**100.00%**	**MAX**	**0.00%**	**0.00%**	**0.00%**
NUCLIDE	**Pu-241 Ci**	**Am-243 Ci**	**Cm-244 Ci**	**Cm-245 Ci**			**SR-90 Ci%**	**Cs-137 Ci%**	**Eu-154 Ci%**
SR108165	0.00E+00	1.69E-05	6.08E-02	7.67E-07	9.01E-02		0.01%	0.01%	0.00%
SR108166	0.00E+00	4.36E-06	5.38E-02	0.00E+00	6.13E-02		0.00%	0.00%	0.00%
SR108167	0.00E+00	5.11E-06	0.00E+00	0.00E+00	1.17E-02		0.03%	0.03%	0.00%
SR108169	0.00E+00	3.78E-07	6.18E-02	0.00E+00	7.04E-02		0.01%	0.01%	0.00%
SR108170	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.40E-03		0.00%	0.00%	0.00%
SR108172	0.00E+00	3.94E-07	0.00E+00	0.00E+00	3.19E-03		0.02%	0.02%	0.00%
SR108173	0.00E+00	5.01E-07	0.00E+00	5.74E-07	2.87E-03		0.02%	0.02%	0.00%
SR108174	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.07E-02		0.06%	0.06%	0.01%
SR108175	0.00E+00	2.65E-06	0.00E+00	0.00E+00	1.54E-02		0.02%	0.02%	0.00%
SR108179	0.00E+00	9.88E-07	0.00E+00	0.00E+00	5.53E-03		0.02%	0.02%	0.01%
SR108180	0.00E+00	2.95E-06	0.00E+00	0.00E+00	1.61E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	1.05E-07	0.00E+00	0.00E+00	1.89E-03		0.01%	0.01%	0.00%
SR108168	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-01		0.13%	0.13%	0.01%
SR108172A	0.00E+00	5.21E-07	0.00E+00	0.00E+00	2.15E-02		0.00%	0.00%	0.00%
SR108171	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.81E-02		0.01%	0.01%	0.00%
SUM	0.00E+00	1.65E-04	1.76E-01	1.34E-06	4.74E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.00%**	**0.03%**	**37.22%**	**0.00%**	**100.00%**	**MAX**	**0.13%**	**0.13%**	**0.01%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Ra-226 Wt%	U-235 Wt%	Np-237 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Am-241 Wt%	Pu-241 Wt%
SR108165	0.00%	0.00%	0.00%	0.51%	0.00%	98.58%	0.00%	0.00%
SR108166	0.01%	0.00%	0.00%	3.24%	0.00%	80.22%	7.20%	0.00%
SR108167	0.00%	0.00%	0.00%	0.67%	0.00%	99.25%	0.00%	0.00%
SR108169	0.01%	0.00%	0.00%	5.61%	0.00%	83.94%	0.00%	0.00%
SR108170	0.01%	0.00%	0.00%	2.71%	0.00%	97.07%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%	5.19%	0.00%	94.72%	0.00%	0.00%
SR108173	0.00%	0.00%	0.00%	0.00%	77.74%	22.24%	0.00%	0.00%
SR108174	0.00%	0.00%	0.00%	3.96%	0.00%	95.84%	0.00%	0.00%
SR108175	0.00%	0.00%	0.00%	4.75%	0.00%	95.15%	0.00%	0.00%
SR108179	0.01%	0.00%	0.00%	7.01%	0.00%	92.85%	0.00%	0.00%
SR108180	0.00%	0.00%	0.00%	7.41%	0.00%	92.45%	0.00%	0.00%
SR89797	0.01%	0.00%	9.27%	4.15%	0.00%	86.55%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	0.62%	0.00%	99.22%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	11.97%	0.00%	88.01%	0.00%	0.00%
SR108171	0.01%	0.00%	0.00%	8.57%	0.00%	91.38%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**22.24%**	**0.00%**	**0.00%**
Wt%	**0.01%**	**0.00%**	**9.27%**	**11.97%**	**77.74%**	**99.25%**	**7.20%**	**0.00%**
NUCLIDE	**Ra-226 Ci%**	**U-235 Ci%**	**Np-237 Ci%**	**Pu-238 Ci%**	**Pu-239 Ci%**	**Pu-240 Ci%**	**Am-241 Ci%**	**Pu-241 Ci%**
SR108165	0.27%	0.00%	0.00%	9.10%	0.00%	23.17%	0.00%	0.00%
SR108166	0.32%	0.00%	0.00%	6.66%	0.00%	2.19%	2.97%	0.00%
SR108167	2.55%	0.00%	0.00%	32.80%	0.00%	64.53%	0.00%	0.00%
SR108169	0.34%	0.00%	0.00%	9.97%	0.00%	1.99%	0.00%	0.00%
SR108170	5.29%	0.00%	0.00%	64.12%	0.00%	30.52%	0.00%	0.00%
SR108172	4.16%	0.00%	0.00%	77.10%	0.00%	18.70%	0.00%	0.00%
SR108173	9.94%	0.00%	0.00%	0.00%	43.98%	46.01%	0.00%	0.00%
SR108174	0.81%	0.00%	0.00%	74.91%	0.00%	24.11%	0.00%	0.00%
SR108175	1.90%	0.00%	0.00%	77.43%	0.00%	20.62%	0.00%	0.00%
SR108179	3.50%	0.00%	0.00%	81.99%	0.00%	14.44%	0.00%	0.00%
SR108180	0.43%	0.00%	0.00%	85.38%	0.00%	14.16%	0.00%	0.00%
SR89797	5.39%	0.00%	0.01%	74.05%	0.00%	20.54%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	31.96%	0.00%	67.67%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	91.09%	0.00%	8.91%	0.00%	0.00%
SR108171	1.41%	0.00%	0.00%	86.33%	0.00%	12.24%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.99%**	**0.00%**	**0.00%**
Ci%	**9.94%**	**0.00%**	**0.01%**	**91.09%**	**43.98%**	**67.67%**	**2.97%**	**0.00%**

Container ID	Am-243 Wt%	Cm-244 Wt%	Cm-245 Wt%
SR108165	0.09%	0.81%	0.00%
SR108166	0.30%	9.04%	0.00%
SR108167	0.08%	0.00%	0.00%
SR108169	0.03%	10.42%	0.00%
SR108170	0.21%	0.00%	0.00%
SR108172	0.07%	0.00%	0.00%
SR108173	0.01%	0.00%	0.01%
SR108174	0.20%	0.00%	0.00%
SR108175	0.09%	0.00%	0.00%
SR108179	0.13%	0.00%	0.00%
SR108180	0.14%	0.00%	0.00%
SR89797	0.03%	0.00%	0.00%
SR108168	0.16%	0.00%	0.00%
SR108172A	0.03%	0.00%	0.00%
SR108171	0.04%	0.00%	0.00%
SUM	**0.01%**	**0.00%**	**0.00%**
Wt%	**0.30%**	**10.42%**	**0.01%**
NUCLIDE	**Am-243 Ci%**	**Cm-244 Ci%**	**Cm-245 Ci%**
SR108165	0.02%	67.43%	0.00%
SR108166	0.01%	87.84%	0.00%
SR108167	0.04%	0.00%	0.00%
SR108169	0.00%	87.69%	0.00%
SR108170	0.06%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%
SR108173	0.02%	0.00%	0.02%
SR108174	0.04%	0.00%	0.00%
SR108175	0.02%	0.00%	0.00%
SR108179	0.02%	0.00%	0.00%
SR108180	0.02%	0.00%	0.00%
SR89797	0.01%	0.00%	0.00%
SR108168	0.09%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%
SR108171	0.00%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.09%**	**87.84%**	**0.02%**

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: M050

Waste Stream Number(s): SRS-CH-LIBRARY-01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☐ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☐ DR - Discrepancy Resolution
☑ Additional Information	☑ M - Miscellaneous
	☐ P - Procedures
	☐ U - Unpublished Documents

Title or Description of Source Document [a]: Burial Ground Records

Source Document Reference Information (author(s), document and revision number, date, publisher): Document Number: NA, Revision: NA, 1975 through 1980

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS2 WS8 WS9 S4 S15	Throughout	Burial Ground Records for Buildings 321-M and 322-M.

Source Document Data Limitations (if any):

1. Best Available Copy

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 11/13/2013

Print

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

OSR 7-375A
(Rev 11-73)

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1
FILE SEQUENCE NO.: 505375
DATE SHIPPED: 11 17 77
SHIPPED FROM BLDG: 3 2 2
AREA: 16

VARIETY CONT (1): 8 2
TOTAL QUANTITY (1): 3 1 0 0
ISOTOPIC QUANTITY (1):
UNIT ONE: G
VARIETY CONT (2):
QUANTITY (2):
UNIT TWO:
TYPE CODE: 1

COMB CODE: C
VOLUME: 7
COMPACTED VOLUME:
DESCRIPTION: GLOVE BOX WASTE

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 30 (1): < 1 mrem/h
CURIES ESTIMATED BY:
BODY RATE TO UNLOAD: 2 mrem/hr
BODY RATE IN CAB: 1 mrem/hr
CUSTODIAN (AUTHORIZATION FOR BURIAL):
SURVEYED BY: Jim Bowers
DATE AUTHORIZED:

REMARKS:
322 M GLOVEBOX WASTE
COMM PAD STORAGE
< 0.5 curies no calculation
Sheet required.

T & T

TRANSPORTED BY: Mag
VEHICLE NO.: 7346

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2
FILE SEQUENCE NO.: 505375
DATE BURIED: 1 1 1 7 7 7
BURIAL LOCATION X COORDINATE: W 0 5 1 8
BURIAL LOCATION Y COORDINATE: E 2 8 5 8 6
BURIAL CONTAINER NUMBER:
PET NUMBER PREFIX:
PET NUMBER SERIAL NUMBER:
REMARKS AND DESCRIPTION:
DESCRIPTION, CONT'D:

M024

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 500174 | DATE SHIPPED: 05 08 75 | SHIPPED FROM BLDG.: 321 M

VARIETY CODE: 41 | TOTAL QUANTITY (1): 160 | ISOTOPIC QUANTITY (1): 160 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 2

CONTAINER CODE: C 7 | VOLUME: | COMPACTED VOLUME: | DESCRIPTION: MK 41 PM WASTE OIL

HEALTH PHYSICS SURVEY DATA	RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY	T & T
BODY RATE TO (UNLOAD)	BODY RATE IN CAB	CUSTODIAN OF INFORMATION FOR BURIAL	TRANSPORTED BY
SURVEYED BY		DATE AUTHORIZED	VEHICLE NO.
		5/7/75	2347

REMARKS

One 55 gal drum zinc coated liner

CURIE CONTENT - 27 ^{238}Pu

N 05.26

E 26.95

Operational Loss - Uneconomical to Recover

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 500174 | DATE BURIED: 05 08 75 | X COORDINATE: XXXXXX

BURIAL LOCATION Y COORDINATE: XXXXXX | BURL CODE: 4 | CONTAINER NUMBER: 142 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION:

DESCRIPTION, CONTD:

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 500175 | DATE SHIPPED: 8 5 | 8 2 5 | SHIPPED FROM (BLDG.): 3 2 1 | AREA: M

VOLUME CODE: C | TOTAL QUANTITY (1): 1 6 0 | VOLUME: 2 1. | COMPACTED VOLUME: | ISOTOPIC QUANTITY (1): 1 6 0 | UNIT: G | VARIETY CODE (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

DESCRIPTION: AC 41 PU WASTE

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY AT 1": 1 mR/hr

BODY RATE TO UNIFORM: 1 mR/hr

BODY RATE IN CAB: 1 mR/hr

SURVEYED BY: [signature]

CURIES ESTIMATED BY: S. D. Lee

CUSTODIAN AUTHORIZATION FOR BURIAL: [signature]

DATE AUTHORIZED: 5/7/75

T & T

TRANSPORTED BY: Graham

VEHICLE NO.: 2347

REMARKS

Three 55 gal drums, zinc coated / liner

CONTAINS 27 Ci OF Pu (3 DRUMS)

Pu 238

Operational Loss - Uneconomical to Recover

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 500175 | DATE BURIED: 0 5 | 0 8 | 7 5 | BURIAL LOCATION X COORDINATE: X X X X X X

BURIAL LOCATION Y COORDINATE: Y Y Y Y Y Y | BURIAL CODE: 4 | CONTAINER NUMBER: 1 4 2 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION: A 6 5 0 • 1 A N D

DESCRIPTION, CONT'D: • 2

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CODE 01 | 505375 | 11 | 1/7/77 | BLDG 322 | AREA M

VARIETY CONT (1): 82 | TOTAL QUANTITY (1): 3100 | ISOTOPIC QUANTITY (1): | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: C | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: GLOVEBOX

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 30 ft: <1 mrem/h

CURIES ESTIMATED BY: C D Dawson

BODY RATE TO UNLOAD: 2 mrem/hr

BODY RATE IN CAB: 1 mrem/hr

CUSTODIAN (AUTHORIZATION FOR BURIAL): A Fletcher

SURVEYED BY: Jim Bowen

DATE AUTHORIZED: 10/25/77

T & T

TRANSPORTED BY: O Mays

VEHICLE NO.: 2346

REMARKS

322M GLOVEBOX WASTE
COMB PAD STORAGE.
<0.15 Curies no calculation
sheet required.
Posted

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 505375 | DATE BURIED: 1/17/77 | BURIAL LOCATION X COORDINATE: N05.18

BURIAL LOCATION Y COORDINATE: E28.586 | BURL CODE | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONT'D

Stores: 26-10785.00

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD (ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508802 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00.336	00.292	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		Tube FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY
< 1 mR/h	J.D. Flake
BODY RATE TO (UN)LOAD	**BODY RATE IN CAB**
1 mR/h	1 mR/h
SURVEYED BY	**DATE AUTHORIZED**
J.D. Flake	5-7-80

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.D. Flake — Authorized Signature

5-7-80 — Date

2003 — Telephone No.

PHA # 5 & 6 (Reed)

T & T

TRANSPORTED BY: OH Stephens

VEHICLE NO.: 2346

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

- WHITE – SHIPPER TO RECEIVER
- GREEN – SHIPPER TO ACCOUNTABILITY
- BUFF – SHIPPER TO RECEIVER, TO SHIPPER
- BLUE – SHIPPER RETAINS
- PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508802 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.17	6				

DESCRIPTION, CONTD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508804 | DATE SHIPPED: 050880 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00189 | ISOTOPIC QUANTITY (1): 00151 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME:

DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mr/h

BODY RATE TO (UN)LOAD: 1mr/h

BODY RATE IN CAB: 1mr/h

SURVEYED BY: D Bryan

CURIES ESTIMATED BY: J.B. Flake

CUSTODIAN (AUTHORIZATION FOR BURIAL): J.B. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.D. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.B. Flake — Authorized Signature

5-7-80 — Date

2003 — Telephone No.

PHA #'s 11, 14 & 15 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508804 | DATE BURIED: 050880 | BURIAL LOCATION X COORDINATE: N08.07

BURIAL LOCATION Y COORDINATE: E29.176 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX / SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508805 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00212 | ISOTOPIC QUANTITY (1): 00170 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 FT: <1 mR/h

BODY RATE TO TUNILOAD: 1 mR/h

BODY RATE IN CAB: 1 mR/h

SURVEYED BY: J. R. Bynum

CURIES ESTIMATED BY: J. D. Flake

CUSTODIAN AUTHORIZATION FOR BURIAL: J. D. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O. W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J. D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA #s 1 & 12 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508805 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.08

BURIAL LOCATION Y COORDINATE: E29.17 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508806 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00435	00348	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY
<1mR/h	J. D. Flake
BODY RATE TO (UN)LOAD	**BODY RATE IN CAB**
1mR/h	1mR/h
SURVEYED BY	**CUSTODIAN (AUTHORIZATION FOR BURIAL)**
J. R. Beason	J. D. Flake
	DATE AUTHORIZED 5-2-80

T & T

TRANSPORTED BY: O D Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J. D. Flake — Authorized Signature

5-2-80 — Date

2003 — Telephone No.

PHA #'s 9, 10, 13 & 14 (BEASON)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508806 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.08

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.16	6				

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508807 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00128 | ISOTOPIC QUANTITY (1): 00102 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME:

DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/hr

CURIES ESTIMATED BY: J.D. Flake

BODY RATE TO (UN)LOAD: 1mR/hr

BODY RATE IN CAB: 1mR/hr

CUSTODIAN AUTHORIZATION FOR BURIAL: J.D. Flake

SURVEYED BY: J.A. Bynum

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-EH-40.

J.D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA # 9 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508807 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE: E29.176 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508808 | DATE SHIPPED: 050880 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00519 | ISOTOPIC QUANTITY (1): 00415G | UNIT ONE | VARIETY CONT (2) | QUANTITY (2) | UNIT TWO | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME | DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mr/hr

BODY RATE TO (UN)LOAD: 1mr/hr

BODY RATE IN CAB: 1mr/hr

SURVEYED BY: J.A. Byers

CURIES ESTIMATED BY: J.D. Flake

CUSTODIAN (AUTHORIZATION FOR BURIAL): J.D. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.D. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA #'s 7 & 10 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508808 | DATE BURIED: 050880 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE: E29.17 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 508809 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00125	00098	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/h

CURIES ESTIMATED BY: T.D. Flake

BODY RATE TO (UN)LOAD: 1mR/h

BODY RATE IN CAB: 1mR/h

CUSTODIAN AUTHORIZATION FOR BURIAL: T.D. Flake

SURVEYED BY: J.H. Bryan

DATE AUTHORIZED: 5-2-80

T & T

TRANSPORTED BY: O.W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

T.D. Flake — Authorized Signature

5-2-80 — Date

2003 — Telephone No.

PHA #8 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 508809 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.176	6				

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 515740 | DATE SHIPPED: 06/19/80 | SHIPPED FROM BLDG: 321 AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00083 | ISOTOPIC QUANTITY (1): 00067 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: TUBE FABRICATION

HEALTH PROTECTION SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/h

CURIES ESTIMATED BY: [signature]

BODY RATE TO (UN)LOAD: 1mR/h

BODY RATE IN CAB: 1mR/h

CUSTODIAN (AUTHORIZATION FOR BURIAL): [signature]

SURVEYED BY: [signature]

DATE AUTHORIZED: 6-5-80

T & T

TRANSPORTED BY: OMI

VEHICLE NO.: 2346

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

[signature] — AUTHORIZED SIGNATURE | 6-5-80 — DATE | 2003 — TELEPHONE NO.

1. Authorized signatures & Health Protection Survey Data must be filed in prior to movement of waste.
2. Each container must be identified as to contents and radioactivity.

REMARKS: PHA #s 16817

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 515740 | DATE BURIED: 06/19/80 | BURIAL LOCATION X COORDINATE: N07.76

BURIAL LOCATION Y COORDINATE: E28.72 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P166
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16, -18, -20 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Decomissioning Scoping Document, Building 321-M, Fuel Fabrication Facility	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, G-PCOR-M-00001, Revision 1, February 18, 2004	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, WS2, WS4, WS8, WS9, WS11, WS12	Throughout	This document provides the following information: Physical description and condition of the 321-M Fuel Fabrication Facility, including: - description of the systems and components of the facility - description of the interfaces and boundaries - facility history - deactivation history - surveillance and maintenance history - condition summary - safety basis End State Objective of the Project, including: - physical configuration - cleanliness criteria - interface with soil and ground water closure project Feasible Range of Baselines including: - preliminary technical scope range - preliminary cost range - preliminary schedule range General Approach to Project the Environment General Approach to Protect Worker Safety and Health Readiness Evaluations The table beginning on page 7 of the document addresses the following specific hazardous constituents:

CCP RECORDS ORIGINAL
DATE REC'D 11-16-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: P166
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		-1411 grams of HEU (U-235) holdup -"residual contamination (approx 13,200 ft. sq.)" -friable asbestos pipe insulation (rad and non-rad) -transite siding and wall panels -asbestos floor tiles -beryllium dust on the magnaformer -16 lead sheets for shielding -trace amounts of 241-Pu, 241-Am, 237-Np, and 137-Cs -caustic process solution -acid process solution -RCRA waste (degreaser tanks and still) -equipment painted with PCBs -light ballasts with PCBs -paint with chromium

Source Document Data Limitations (If any):

1. None.

Acceptable Knowlege Expert:

Jason Montoya / [signature] Date: 7/16/12

Print /Sign

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

Decommissioning Scoping Document

Building 321-M, Fuel Fabrication Facility

February 18, 2004

Revision 1

ENGINEERING DOC. CONTROL-SRS
00758765

Prepared by: _____ Date: 2/19/2004
J. L. Cope, Project Engineer

Approved: _____ Date: 2/25/04
D. W. Freeman,
Environmental, Safety &
Health Program Manager

Approved: _____ Date: 2-25-04
J. C. Gilmour,
Manager Engineering Programs
Site D&D, Closure Business Unit

Approved: _____ Date: 2/23/04
G. M. Fussell, Project Manager

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC &
Reviewing
Official _____
(Name and Title)
Date: 2/26/04

SRS™

Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

Document Revision History

Date	*Rev*	*Pg/Ref*	*Description of Changes*
12/01/03	0	All	Initial Issue
02/18/04	1	4/1.01 7/1.05 11/2.03 12/3.02 12/3.03 12/4.0	Changed wording to reflect "two CERCLA Site Evaluation Areas", throughout.
		4/1.01	Changed third and fourth sentence of second paragraph.
		5/1.04	**Project Interfaces** Combined first and second paragraph with deletion/changes. Original third paragraph is currently the second paragraph with changes. Original fourth paragraph is currently the third paragraph. Changed wording to "Western Sector Dynamic Underground Stripping...".
		7/1.05	Changed second paragraph, second and third sentence, entirely.
		10/1.08	Changed third paragraph, entirely.
		11/2.01	Changed first paragraph, second sentence. Added "words within or a part of the facility structure...".
		11/2.01 11/2.03	Deleted second and third paragraph, respectively; and inserted summary statement that SGCP would approve soil disturbances.
		12/4.0	Changed first paragraph, entirely.
		16 & 17 /8.01	Added narrative of spill results for RMI-89-12 and RMI-81-11-26.

Table of Contents

1.0 PHYSICAL DESCRIPTION AND CONDITION 4

1.01. STRUCTURES 4

1.02. SYSTEMS 4

1.03. COMPONENTS 5

1.04. INTERFACES AND BOUNDARIES 5

Physical Connections 5
Project Interfaces 5

1.05. FACILITY HISTORY 7

1.06. DEACTIVATION HISTORY 7

1.07. SURVEILLANCE AND MAINTENANCE HISTORY 10

1.08. CONDITION SUMMARY 10

1.09. SAFETY BASIS 10

2.0 END STATE OBJECTIVE OF THE PROJECT 11

2.01. PHYSICAL CONFIGURATION 11

2.02. CLEANLINESS CRITERIA 11

2.03. INTERFACE WITH SOIL AND GROUNDWATER CLOSURE PROJECT (SGCP) 11

3.0 FEASIBLE RANGE OF BASELINES 12

3.01. PRELIMINARY TECHNICAL SCOPE RANGE 12

3.02. PRELIMINARY COST RANGE 12

3.03. PRELIMINARY SCHEDULE RANGE 12

4.0 GENERAL APPROACH TO PROTECT THE ENVIRONMENT 12

5.0 GENERAL APPROACH TO PROTECT WORKER SAFETY AND HEALTH 13

6.0 READINESS EVALUATIONS 13

7.0 REFERENCES 14

8.0 ATTACHMENTS 15

8.01. ATTACHMENT 1 - 321-M FACILITY SPILLS SUMMARY TABLE 16

1.0 PHYSICAL DESCRIPTION AND CONDITION

The physical features of the facility, the boundaries and important subdivisions of the facility and the major components of the 321-M Fuel Fabrication Facility are defined in the following sections. See Figure 1 for the facility layout prior to deactivation.

1.01. Structures

The 321-M Fuel Fabrication Facility is a rectangular (approximately 430 ft. by 140 ft.) structure with 60,200 square feet of floor space, three quarters being one story (14ft.) and the remainder being a high bay area (28ft.) It is constructed with a concrete floor and foundation, structural steel framing and transite siding and wall panels. The interior walls of the process areas are steel plate. All other interior walls are a combination of hardboard (from the floor up to four feet) and then transite to the ceiling. In addition, a reinforced concrete and steel vault stored U-235 for processing into fuel rods and housed a borated concrete block "honeycomb" designed to store the completed enriched fuel rods in a critically safe geometry.

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466). These two CERCLA Site Evaluation Areas are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. There is also a pit in the Old Tube Cleaning Room, which was cleaned and filled with concrete in 1985.

In addition to the facility itself, the following ancillary structures are included in the scope of the decommissioning project:

- exterior stairs to the facility roof attached to the east side
- storm drain pump pit forty feet from the northwest corner
- electrical panel boxes thirty feet to the south of the southwest corner
- telephone disconnect box twenty feet from the east side
- 352-4M secondary transformer station forty feet from the east side

1.02. Systems

The installed non-contaminated facility systems, including power, water, sewer, steam, acid and caustic supply, and HVAC will be terminated as part of the deactivation project. These services will be cut, capped, or otherwise physically isolated such that the portions within 321-M will be de-energized but otherwise left intact within the facility.

The 321-M Deactivation Project has removed the installed contaminated process systems including process ventilation system components within and external to the facility. The deactivation project installed temporary power and lighting, portable bathroom facilities and a temporary hut for size reduction and waste handling activities. The hut is to be removed at the completion of the deactivation project. The deactivation project will address the removal of the security link for the facility and the isolation of the process, sanitary and storm sewers from the facility.

1.03. Components

The installed facility process and process support components (contaminated and non-contaminated) have been removed. This includes the facility process ventilation blowers, filter banks and ductwork, the operating floor equipment, and the process equipment from the casting, machining, component cleaning and tube cleaning rooms. Process support components including scales, glove boxes, storage racks, and materials handling equipment were also removed. Non-process components including HVAC ductwork, motor control centers (MCCs), electrical cabinets and panels and the high-bay bridge crane remain and will be demolished with the facility.

1.04. Interfaces and Boundaries

The 321-M facility is located on the western edge of M-Area approximately one mile from the northern site boundary. There are three major facilities that surround it; the 315-M Radiological Operations Support Center (ROSC) is located 100 feet to the north, the 322-M Metallurgical Laboratory was located 50 feet to the east and the 341-M Dilute Effluent Treatment Facilities (DETF) are located 100 feet to the south.

Physical Connections

The 321-M facility has been physically isolated from the balance of the M-Area with the exception of:

- 324-M, the Vertical Press Building, 321-M is connected to this facility via an enclosed passageway 20ft. wide by 11ft. tall by 54ft. long and is a separate decommissioning project
- storm drain system (three connections)
- domestic sewer system (two connections)
- process sewer (six connections)

The electric power that was fed to the facility from electrical substations 351-1M, 352-4M, 352-6M, 352-7M and 352-8M, has been disconnected as part of the deactivation. Temporary power is being provided to the facility to support decommissioning.

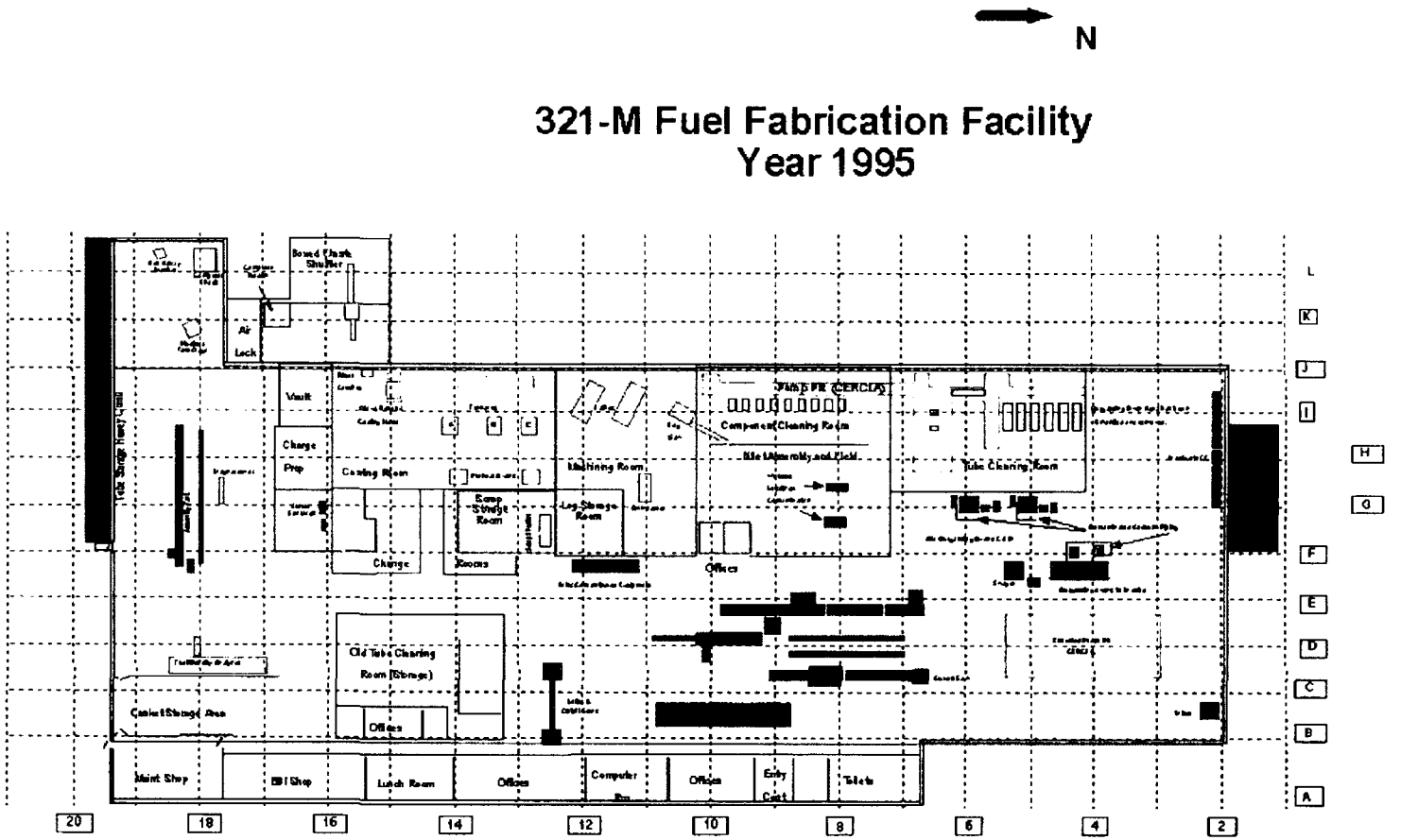
Project Interfaces

The Soil and Groundwater Closure Projects (SGCP) continues to characterizes the soil in the vicinity of 321-M as part of the M-Area Inactive Process Sewer Line (MIPSL) Project. The subject process sewer system contains a 30 inch vitrified pipe (VP) that runs parallel to 321-M on its west side and is fed by six 4 inch to 6 inch VP lines from the facility. The soil samples are being taken immediately adjacent to the 30" VP where the smaller lines connect. Decommissioning Project activities on the exterior of the facility on this side are to be coordinated with the SGCP to prevent having any impact on the soil.

The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. The 321-M Decommissioning Project will coordinate and integrate its removal actions for the pits with SGCP.

Also, an eight inch steam line was installed during October 2003 twenty feet from the north end of 321-M to support the Western Sector Dynamic Underground Stripping project for the M-Area runoff basin. This line is located at a sufficient distance from and at such an orientation to the facility that precludes interference problems.

Figure 1 - 321-M Pre-Deactivation



1.05. Facility History

The 321-M Fuel Fabrication Facility was designed and built in 1956/1957 to manufacture aluminum clad fuel elements for the production reactors i.e. enriched uranium fuel assemblies, lithium-aluminum target tubes and neptunium. It was shutdown and declared excess in 1994.

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466) which are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods.

During the operation of the facility, four spills of hazardous material occurred. One of the spills involved the caustic solution used to clean the billets. The other three spills involved 1-1-1-trichlorethane use to degrease the extruded rods. Actions were taken at the time of their occurrence to address each spill. See Attachment 1 for details of the spills.

The facility was identified by the SC Department of Archives and History as a historical site. In accordance with the MOA between FDP and DOE, stipulations 1, 2, 3, 4a, and 5 of the MOA have been met and were documented accordingly (see Reference 1).

1.06. Deactivation History

When the facility was originally shutdown in 1994 and declared excess, a facility Transition Plan (Reference 2) was prepared and implemented. See Figure 2 for the post-deactivation facility layout. This plan de-inventoried the fuel and target material in the facility and the following actions were taken to minimize the environmental threats:

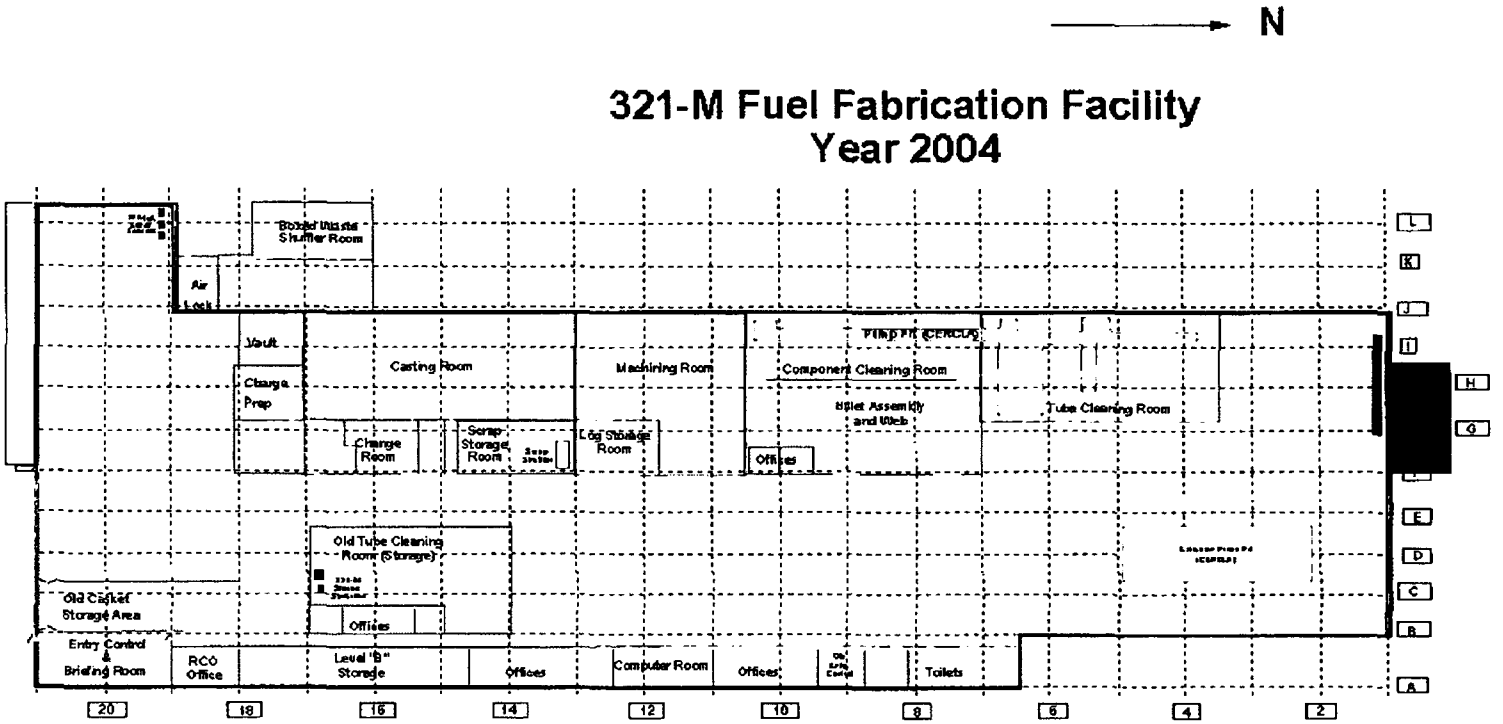
- The tanks for the solvent, the sodium hydroxide and the nitric acid in Tube Cleaning Room and the Component Cleaning Room were drained and flushed
- The nitric acid waste line and the sodium hydroxide waste line were drained and flushed
- The chemical tanks on the exterior of the west side of 321-M and the associated piping were drained, flushed and removed
- The Freon supply lines to the lathes, the core cleaning station and the cutoff saw were drained and purged

In 1998, an extensive deactivation (see References 3 & 4) of the facility began which focused on the removal of the hazards in the facility. The status of this hazard removal is as follows:

1411 grams of HEU (U-235) holdup	Complete
Residual contamination (approx 13,200 ft. sq.).	Decommissioning Scope
Friable asbestos pipe insulation (radiologically contaminated and non-contaminated)	Decommissioning Scope
Transite siding and wall panels	Decommissioning Scope
Asbestos floor tiles	Decommissioning Scope

Beryllium dust on the Magnaformer	Complete
16 Lead sheets (0.25in. x 4ft. x 6ft.) for shielding	Complete
Trace amounts of 241-Pu, 241-Am, 237-Np, and 137-Cs in process equipment	Complete
Caustic process solution	Complete
Acid process solution	Complete
RCRA waste (degreaser tanks and still)	Complete
Equipment painted with PCBs	Complete
Light ballasts with PCBs	Complete
Paint with chromium	Decommissioning Scope

Figure 2 - 321-M Post-Deactivation



1.07. Surveillance and Maintenance History

After the termination of the 321-M production mission, the facility went through transition (Reference 2) which de-inventoried the fuel and target material in the facility and removed hazardous process materials to minimize the environmental threats. With the exception of as-need inspections and maintenance to support deactivation activities, there are no ongoing Surveillance and Maintenance activities.

1.08. Condition Summary

The 321-M facility is in the final stage of an aggressive deactivation, which included the removal of process and process support systems and other components known to have HEU hold-up or to be radiologically contaminated. Support systems such as power, water, steam and HVAC have been removed from service permanently. Existing power, water, and sanitary facilities are temporary only. The security link that is routed through the 321-M security facility is still "live" but will be removed as part of deactivation.

Chemical contaminants such as lead bricks and sheets, leaded oils, light ballasts containing PCB's, have been removed. Transite siding, an asbestos containing material (ACM) has not been removed from the interior or exterior of the facility. Pipe insulation on the facility piping systems remains and contains friable ACM. Floor tile remaining in the facility (generally in the east side office/administrative section) is also considered to be ACM.

As noted in section 1.05 above, The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents that were used as degreasers to clean the billets and fuel rods. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press.

The facility structure remains intact largely the way it did during operation and as described in section 1.01 above. To be specific, the walls, roof and floor slab have not been demolished or removed with the exception of the removal of minor interior non-load bearing office walls and partitions. There are various roof leaks throughout the facility.

The majority of the facility (47,000 sq. ft) is non-contaminated. The remainder of the facility (13,200 sq. ft.) has contamination ranging from less than 1000 dpm/100 sq cm alpha to 60,000 dpm/100 sq cm alpha and from less than 1000dpm/100sq cm beta-gamma to 8,000 dpm/100sq cm beta-gamma.

1.09. Safety Basis

Deactivation activities removed the existing inventory of Enriched Uranium to levels that allowed the facility to be reclassified as "Other Industrial" (Reference 5) and no additional safety basis documentation is in effect.

2.0 END STATE OBJECTIVE OF THE PROJECT

The following constitutes the end state vision for the proposed decommissioning project.

2.01. Physical Configuration

The end state consists of removing the radiological and chemical contamination within or a part of the facility structure to acceptable limits, the filling in of the pits with concrete, and the demolition and removal of the facility to the slab. The in-slab lines into and out of the facility will be plugged to preclude accidental intrusion and the caustic waste and acid waste lines will be removed from the structure back to the pipe rack.

Due to the close proximity of the MIPSL Operable Unit, disturbance of the surrounding grounds will be only as determined by the Soil and Groundwater Closure Projects.

2.02. Cleanliness Criteria

The end state consists of removing the facilities and associated infrastructure identified in Section 1.01 to the slab and pits, which will be decontaminated to remove the radiological and chemical contamination to acceptable levels.

The decommissioning project will use derived concentration guideline limits (DCGLs) based on approved risk-based pathway calculations to identify the acceptable levels. The SRS criteria for decommissioning (see Reference 6) will be used for these calculations.

However, the removal objectives (cleanliness criteria) selected will be determined by the EE/CA development process and will take into consideration additional criteria and impacts (e.g. complexity and difficulty of the cleanup effort, cost, and worker safety). Following completion of the removal effort, confirmatory surveys will be performed to demonstrate that the removal objectives have been met and the slab is within the final cleanliness criteria defined in the EE/CA.

2.03. Interface with Soil and Groundwater Closure Project (SGCP)

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466) which are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement.

For this reason, the decommissioning project is being conducted as a CERCLA non-time-critical removal action that will require the preparation and approval of an Engineering Evaluation and Cost Analysis (EE/CA). The EE/CA preparation and approval will be integrated with the efforts of the Soil and Groundwater Closure Project.

Due to the close proximity of the MIPSL Operable Unit, disturbance of the surrounding grounds will be only as determined by the Soil and Groundwater Closure Projects.

3.0 FEASIBLE RANGE OF BASELINES

Based on the Savannah River Site Environment Management Integrated Deactivation and Decommissioning Plan, (Reference 8), this section contains the estimates of scope, cost and duration to provide an understanding of the order of magnitude of the proposed project.

3.01. Preliminary Technical Scope Range

The minimum technical scope for this project is based on the assumption that the CERCLA evaluations will lead to minimal remediation in the pit areas. Thus, the minimum technical scope would be the removal of the hazardous material in the pits only as necessary to meet the screening levels, fill in the pits and demolish the building to the slab using onsite waste disposal.

However, the CERCLA remediation of the pits to meet DCGLs could include removal of the pit areas and the associated soil followed by an extensive sampling and analysis effort. Additionally, CERCLA negotiations with regulatory authorities could, in the worst-case result in the removal of the entire slab.

3.02. Preliminary Cost Range

Based on the Savannah River Site Integrated Deactivation and Decommissioning Plan, WSRC-RP-2003-00233, the projected cost estimate for the decommissioning of the 321-M Fuel Fabrication Facility is $4.534 million to $6.525 million. The major factor that affects this cost range is the approval and acceptance by DOE/EPA/SCDHEC of the proposed approach in the EE/CA for remediation of the two CERCLA Site Evaluation Area pits.

3.03. Preliminary Schedule Range

The projected duration for the decommissioning of the 321-M Fuel Fabrication Facility is eighteen (18) to twenty-six (26) months. The major factor that affects this duration estimate is the approval and acceptance by DOE/EPA/SCDHEC of the proposed approach in the EE/CA for remediation of the two CERCLA Site Evaluation Area pits.

4.0 GENERAL APPROACH TO PROTECT THE ENVIRONMENT

The potential threat to the environment and to members of the public posed by the facility is due to the presence of radiological contamination and chemical contamination. The facility contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466), which are listed in Revision 1, Appendix G, Site Evaluation Areas from Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the use of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. Also, there is residual radiological contamination in several large process rooms (approximately 13,200 ft^2).

Since the facility is approximately one mile from the site boundary, the protection of the environment and the public from the contamination (radiological and hazardous) is a concern. For this reason, all decommissioning activities shall comply with the following WSRC manuals (or for Subcontractors, submit their own environmental protection program for approval, or adopt the SRS program):

- WSRC 5Q Manual, Radiological Control Manual (radiological controls)
- WSRC 19Q Manual, Transportation Safety Manual (transportation of hazardous materials)
- WSRC Manual 1S SRS Waste Acceptance Criteria Manual (waste disposal)

As to be determined by the EE/CA development process (see section 2.02), there are several alternatives which could be pursued for the final resolution of the radiological and chemical contamination. These alternatives range from;

- the pits and slab decontaminated, the pits filled with concrete and the structure removed to,
- the slab decontaminated, the pits and the structure removed, and the pit holes filled with concrete to,
- the pits, the slab and the structure being removed and the site back filled with soil.

Regardless, however, of which alternative is selected, the contaminants will no longer be a threat to the environment and to the members of the public.

5.0 GENERAL APPROACH TO PROTECT WORKER SAFETY AND HEALTH

Savannah River Site has a mature and highly effective Integrated Safety Management System to protect the health and safety of the SRS workers whether assigned to the project or working adjacent to it. This integrated program incorporates radiological protection, industrial safety, and worker health programs in a disciplined manner that has resulted in one of the best safety records of any industry. The decommissioning project work described in this document will be performed within that framework. If any portion of the work is subcontracted, the subcontractor will be required to submit his own safety program for approval, or adopt the SRS program.

Site forces are to follow the requirements of the WSRC 8Q, Employee Safety Manual including procedure 104, "Demolition" and the Automated Hazards Analysis Process. Radiological health and safety requirements are to be addressed by WSRC 5Q, Radiological Control Manual. With the removal of the HEU from the facility, no unusual worker hazards exist.

Subcontracts Health and Safety requirements are implemented through subcontract terms, which require submittal of a Subcontract worker protection plan. WSRC requires that subcontractors, at a minimum follow Health and Safety requirements from OSHA 1910 and 1926. Subcontractor radiological work is addressed by the implementation of a documented radiological control program that meets the requirements of 10 CFR 835.

6.0 READINESS EVALUATIONS

Before commencing the decommissioning fieldwork at the facility, a readiness evaluation will be conducted by Site D&D. The evaluation criteria are as specified in DOE STD-1120-98, "Integration of Environment, Safety, and Health into Facility Disposition Activities", section 3.4.1 and Appendix J. This team will report readiness to proceed after all punch list action items have been satisfactorily completed, to the Site D&D Project Manager, who will authorize initiation of the fieldwork.

7.0 REFERENCES

The following reference documents were used to determine the contents of this scoping document.

1. CBU-FDP-2003-00015, "Historical Preservation -- 321-M", Memorandum from T. J. Feske to C. W. Terrell, May 21, 2003
2. SOP 321-31C, Building 321-M Transition Plan, Revision 1, August 3, 1994
3. FDD-ENG-98-004, "Deactivation Project Plan, 321-M Fuel Fabrication Facility", Revision 0, February 26, 1998
4. V-PMP-M-00004, "Deactivation Project Plan, 321-M Fuel Fabrication Facility", Revision 1, April1, 2000
5. Calculation Note S-CLC-M-00015, "Facility Hazard Categorization for Building 321-M (U)", Rev 0, August 30, 2000, J. C. Musall
6. WSRC-RP-2003-00233, "Environmental Interpretation of DOE Order 430.1A Life Cycle Asset Management for Decommissioning of Excess Facilities at SRS", Revision 0, May, 2003
7. WSRC-RP-2003-4059, "Savannah River Site Environment Management Integrated Deactivation and Decommissioning Plan", Revision 1, September, 2003
8. G-FDE-M00002, "Facility Decommissioning Evaluation - Fuel Fabrication Facility, 321-M", Rev 0, July 16, 2003
9. DPSTSA-300-3A, Addendum 1, "Savannah River Site M-Area Justification for Continued Operation (U)", Rev 1.a, April, 1997, B&W Savannah River Co., Facilities Decommissioning Division
10. Calculation Note S-CLC-M-00011, "Hazard Categorization of 321-M (U)", Rev 0, November 7, 1996, G. F. Couture
11. WSRC-TR-95-0492, "U-235 Holdup in Building 321-M Contamination Areas and Associated Exhaust Systems (U)", Rev 9, December 19, 1995, R.S. Thomason, WSRC

8.0 ATTACHMENTS

Attachment 1 - 321-M Facility Spills Summary Table

8.01. Attachment 1 - 321-M Facility Spills Summary Table

Identifying Document	Date	Title	Description
RMI-89-12	12/29/89	Inadvertent Caustic Transfer to Process Sewer	On December 21 during a process water outage, a valve was inadvertently opened in the 321-M Tube Cleaning Room, allowing process water to fill the Caustic Tank and overflow into the sump. The sump volume was estimated to be 400 – 500 gallons. As required by procedures, operators sampled the sump and laboratory analysis on December 27 showed a pH of 12.5, exceeding limits for transfer to the process sewer. Transfer to the DETF Waste Caustic Storage Tank was begun on December 29. When the Caustic Tank did not show an increase in volume after 15 minutes, the DETF operator informed the 321-M operator that the transfer was not being received. The respective supervisors then discovered that the sump was being pumped to the process sewer. The spill was contained within the tube cleaning room and its sump, and the event did not result in a direct release to the environment. Instead, the spilled material was discharged to the wastewater treatment facility (DETF) via the process sewer. Normal transfer to the wastewater treatment facility, for this high pH material with the ability to neutralize acidic wastewater, was via the waste caustic transfer piping. The sump and process sewer were subsequently flushed with clean water to remove the waste caustic.
RMI-84-6-32	5/31/84	1-1-1-Trichlorethane Fumes	About mid-shift, operator noticed faint scent of 1-1-1 Trichlorethane fumes emanating from a process sewer drain. The floor area surrounding the drain was immediately barricaded and HP personnel were summoned to analyze the fumes. Analysis confirmed presence of TCE vapors of 600-PPM concentration at the floor drain and 50 PPM at barricade. Water was added to drain trap to stop fume emanation while search for source was initiated. A thorough inspection of all TCE piping and equipment in Building 321-M failed to positively identify the source. It is suspected that the origin was an abandoned but corroded carbon steel pipe in the tube degreaser reboiler tank.

RMI-83-9-43	9/26/83	Reaction in 1,1,1-Trichloroethane Sludge Drum	A chemical reaction occurred inside a 55-gallon drum containing sludge from the Building 321-M 1,1,1 Trichloroethane (TCE) tube degreaser, causing about two gallons of material to spill out of the drum. The TCE tank had been drained three days prior to the incident and the remaining sludge was placed in a plastic lined 55-gallon steel drum. The steel lid was held loosely in place by the seal ring. The sludge consisted of degraded TCE, oil, lead powder, aluminum chips and fines from prior fuel tube processing, and absorbent napkins. It is believed that a reaction occurred between the degraded TCE and aluminum chips and fines, causing the contents to foam and spill over. Spill flowed into the cleaning room pit but no liquid reached the floor drain. Clean-up was performed in accordance with Site procedures.
RMI-81-11-26	11/4/81	1,1,1-Trichloroethane Leak to M-Area Settling Basin	Approximately 300 gallons of 1, 1, 1 Trichloroethane solvent was released to the settling basin due to a leak in the Building 321-M tube degreaser. The leak was detected on the morning of November 4, and the remaining solvent in the degreaser was immediately pumped into drums. Solvent leaked through badly corroded carbon steel housing on a liquid level detector that extended through the stainless tank wall and drained from the pit via the process sewer to the basin.

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P162
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16, -18, -20 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ✓ TRU Waste Management Program Information ✓ Waste Stream-Specific Information ✓ Additional Information	Category: _ C - Correspondence _ D - Documents _ M - Miscellaneous ✓ P - Procedures _ DR - Discrepancy Resolution _ U - Unpublished Documents
Title or Description of Source Document [a] : Absorbing Containerized Liquids	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, 221-F-55012, Revisions 2, 9, 14, 9/19/2006, 3/11/2010, 6/21/2011	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR8, WS8, WS12, S2	Throughout	This procedure provides instructions for absorbing containerized liquids found within Candidate Drums. This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure. sodium hydroxide - p. 1 mercury - p. 4 mercury sorbent - p. 4 Acid Bond A660 - p. 7 No-Char - p. 7 Petrobond A610 - p. 7

CCP RECORDS ORIGINAL
DATE REC'D 10/19/12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P162

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Jason Montoya [signature] Date: 4/25/12

Print /Sign

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing liquid from containers during remediation activities within the Repackaging Enclosure (RE).

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing liquids using the appropriate absorbent inside of the enclosure. This procedure also applies to liquids spilled from containers.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions and Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step CANNOT be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.
   - A Bold Dollar Sign within parentheses ($) identifies a step, sub-step, or item that implements Safety Basis requirements (TSR and SAR requirements).
   - A Bold N within parentheses (N) identifies a step, sub-step, or item that implements NCSE N-NCS-F-00119, Section 7.0 controls.
2. Containerized liquids must be remediated in sort tray portion of the Enclosure.
3. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure. Only one bottle of sodium hydroxide may be stored in the enclosure.
4. The use of pH strips does not measure strong acids and strong bases accurately, extreme caution must be used when adjusting pH first add a few drops of reagent at a time while stirring.
5. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.1 General Precautions and Limitation, (Continued)

6. When handling waste or using hand tools for cutting, follow the safety techniques listed below:

   - If you observe someone using improper safety techniques or believe performing a task would be unsafe, STOP the work, correct the condition, or notify your FLM.
   - Protect all sharp edges by covering with tape.
   - Always use HEXARMOR HOG cut resistant gloves during waste remediation
   - Use of utility knives must be approved by the FLM.
   - When cutting, make slow and deliberate strokes with the cutting tool.
   - When using any cutting tool (e.g. utility knife) always cut away from your body and opposite hand.
   - Utility knife blades shall always be retracted when not in use.
   - Stabilize package with hand tools prior to cutting.

2.2 Radiological Protection Precautions and Limitations

1. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP).
2. Constant RP coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).
3. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, 24/7 SOM, and RP FLM.
4. Follow RP directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment, higher than expected dose rates, etc.).

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids Or Spills

1. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.

!WARNING!:

Only one container shall be opened at a time due to the possible incompatibility of the liquid in the containers.

2. **ENSURE** only one container with liquid is open at-a-time, **AND**

   RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

NOTE: Steps 4.1.3.a through 4.1.3.e may be repeated as necessary to absorb all the mercury from original container.

(N) 3. **IF** the liquid is suspected to be mercury (metallic silver liquid at ambient temperature):

a. **IF** the liquid is containerized, **THEN**

   TRANSFER a few drops of the liquid into a small, plastic open mouth beaker, **AND**

   MOVE the liquid droplet(s) with a stir stick, **AND**

   VERIFY the liquid droplets retain bead shape when moved.

b. **IF** the liquid is a spill, **THEN**

   MOVE the liquid droplet(s) with a stir stick, **AND**

   VERIFY the liquid droplets retain bead shape when moved.

NOTE: Avoid excessive water use, but dampening the powder with water can help to create the amalgam.

c. **MIX** mercury absorbent, a few drops of water, and the liquid to form a mercury amalgam (paste).

d. **IF** any violent reaction (i.e. bubbling, smoke, etc.) is observed, **THEN**

   STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

   - **DOCUMENT** path forward in comments on Attachment 2.

e. **PLACE** mercury amalgam in the Parent/Daughter Drum.

4.1 Absorbing Containerized Liquids Or Spills, Continued

f. **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

g. **PROCEED** to Step 4.1.11.

4. **IF** responding to a spill and sufficient liquid is not available to perform testing, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward, **AND**

DOCUMENT path forward in comments on Attachment 2.

NOTE: A pipette should be used to transfer drops of liquid to the water.

5. **DISPENSE** a few drops of the liquid from the container into a small plastic open mouth beaker of water to determine if the liquid is water reactive, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

a. **IF** a reaction occurs, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

- **DOCUMENT** path forward in comments on Attachment 2.

6. **DISPENSE** enough liquid from the container into the water to determine if the liquid is water miscible.

a. **IF** liquid does NOT separate or form a layer on top of the water, **THEN**

RECORD "A" for Aqueous on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

b. **IF** liquid separates or forms a layer on top of the water, **THEN**

RECORD "O" for Organic on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

7. **IF** liquid type is aqueous per Step 4.1.6, **THEN**

a. **OBTAIN** the pH of the liquid by dipping a pH strip into the liquid/water solution, **THEN**

RECORD initial pH on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

4.1 Absorbing Containerized Liquids Or Spills, Continued

Step 4.1.7, Continued

b. **IF** pH of aqueous liquid is > 10, **THEN**

STOP and **NOTIFY** TRU FLM and Engineering to determine a path forward.

1) **RECORD** path forward in comments section of Attachment 2.

NOTE:	Steps 4.1.7.c through 4.1.7.d may be repeated as necessary to absorb all liquid from a single container.

c. **IF** the pH of the aqueous liquid is < 5, **THEN**

1) **TRANSFER** liquid to a small, plastic open mouth beaker in batches as necessary, not to exceed ¼ of the capacity of the container.

2) **ADJUST** pH slowly by adding a few drops of 50% sodium hydroxide to the liquid in the beaker while stirring until the pH is greater than 5, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

a) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE:	Corrective actions may include diluting acid or reagent.

b) **DOCUMENT** path forward in comments on Attachment 2.

3) **RECORD** adjusted pH on Attachment 1.

4.1 Absorbing Containerized Liquids Or Spills, Continued

Step 4.1.7, Continued

(N) d. **ABSORB** the aqueous liquid per the following:

1) **USE** A660 for type of absorbent.

2) **USE** a minimum ratio of 1:1 A660 to liquid.

3) **ADD** liquid to the absorbent.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all absorbed liquids (including the small container of water) are placed in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

(N) 8. **IF** liquid type is organic per Step 4.1.6, **THEN**

ABSORB the organic liquid per the following:

1) **USE** 9:1 A610 to A660 mixture for type of absorbent.

2) **USE** a minimum ratio of 1:1 A610/A660 mixture to liquid.

3) **ADD** liquid to the absorbent.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all absorbed liquids (including the small container of water) are placed in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

(N) 9. **IF** any spilled aqueous or organic liquid is present, **THEN**

ABSORB the spilled liquid with pink absorbent pads, **AND**

DISPOSE of pads in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

4.1 Absorbing Containerized Liquids Or Spills, Continued

10. **IF** absorbing liquids per direction from procedure 221-F-55006, **THEN**

    REPEAT Steps 4.1.2 through 4.1.9 until all available non-metal containers with liquid have been remediated.

5.0 REFERENCES

• AHA#: FCA-5144	Absorbing Containerized Liquids
• F-PFHA-F-00027	Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation
• WSRC-RP-2004-00386	Waste Management Area Project Safety and Health Plan For Hazardous Waste Operations.
• SRNL-LSD-2005-00035	Savannah River National Laboratory (SRNL) Evaluation of Absorbents For The TRU Remediation Project
• WSRC-TR-2006-00101	Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations
• 2S	Conduct of Operations Manual
• 5Q	Radiological Controls Manual
• 8Q	Employee Safety Manual
• 221-F-55006	TRU Drum Repackaging
• WSRC-TS-97-00015	F-Canyon Complex Facilities
• N-NCS-F-00119	TRU Waste Drum Remediation
• 221-F-55102	Containerized Liquid Remediation Program

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist
2. Containerized Liquids Remediation Comments

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

	4.1.1	Candidate Drum Container ID: _____				
	4.1.2	Containerized liquids are being opened and remediated one container at a time. Record Initials [FC TSR: 5.7.2.28]				
(N)	4.1.3.f	Mercury absorbed – Record Initials. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
	4.1.5	Liquid tested – Record initials [FC TSR: 5.7.2.28]				
	4.1.6.a	Record liquid type (A) [FC TSR: 5.7.2.28]				
	4.1.6.a	Record initials [FC TSR: 5.7.2.28]				
	4.1.6.b	Record liquid type (O) [FC TSR: 5.7.2.28]				
	4.1.6.b	Record initials [FC TSR: 5.7.2.28]				
	4.1.7.a	Obtain pH and record [FC TSR: 5.7.2.28]				
	4.1.7.a	Record initials [FC TSR: 5.7.2.28]				
	4.1.7.c.2	Adjust pH until > 5. Record initials [FC TSR: 5.7.2.28]				
	4.1.7.c.3	Record adjusted pH				
(N)	4.1.7.d	If liquid is aqueous then absorb. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
(N)	4.1.8	If liquid is organic then absorb. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
(N)	4.1.9	Spills have been absorbed [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				

ATTACHMENT 2 Page _____ of _____

Containerized Liquids Remediation Comments

Comments: _____

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Completed By:

_____ _____ _____

Signature Print Name Date

Reviewed By:

_____ _____ _____

Signature Print Name Date

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing containerized liquids found within Candidate Drums.

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions and Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step cannot be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.

   A Bold Dollar Sign within parentheses **($)** identifies a step, sub-step, or item that implements Safety Basis requirements (TSR and SAR requirements).

2. Containerized liquids must be remediated in sort tray portion of the Enclosure.

3. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure. Only one bottle of sodium hydroxide may be stored in the enclosure.

4. The use of pH strips does not measure strong acids and strong bases accurately, extreme caution must be used when adjusting pH first add a few drops of reagent at a time while stirring.

5. The Second Person Verifier (SPV) must be a First Line Manager (FLM), TRU Lead, or the Cognizant Quality Function (CQF).

6. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.1 General Precautions and Limitation, Continued

7. When handling waste or using hand tools for cutting, follow the safety techniques listed below:

   - If you observe someone using improper safety techniques or believe performing a task would be unsafe, STOP the work, correct the condition, or notify your FLM.
   - Protect all sharp edges by covering with tape.
   - Always use cut resistant gloves.
   - When cutting, make slow and deliberate strokes with the cutting tool.
   - When using any cutting tool (e.g. utility knife) always cut away from your body and opposite hand.
   - Utility knife blades shall always be retracted when not in use.
   - If at all possible, stabilize package with hand tools prior to cutting (rule rather than exception).
   - Prior to handling pigtails, verify absence of sharps.

2.2 Radiological Protection Precautions and Limitations

1. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP).

2. Constant RP coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).

3. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, 24/7 SOM, and RP FLM.

4. Follow RP directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment, higher than expected dose rates, etc.).

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids

NOTE:	Steps 4.1.1 through 4.1.2 may be performed at anytime during the performance of Section 4.1.

(**$**) 1. **IF** a loss of power occurs that causes the TRU Repackaging Enclosure Differential Pressure Monitoring System to become inoperable, or ventilation alarm is received while waste is exposed, immediately exit, **THEN**

NOTIFY TRU FLM, 24/7 Shift Operations Manager (SOM), and Engineering, **AND**

RECORD initials on Attachment 1. [FC TSR: LCO 3.1.1]

2. **IF** a spill of containerized liquid occurs in the Enclosure all repackaging activities must stop.

   a. **WHEN** the Enclosure Differential Pressure Alarm Panel is verified to have power and is NOT in an alarm (high or low) condition, the spill must then be cleaned up completely using proper absorbent before resuming repackaging.

3. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.

4. **ENTER** the sequential number of the liquid container being remediated (i.e., first container is 1, second container is 2, third container is 3, etc.) on Attachment 1.

!WARNING!:

Only one container shall be opened at a time due to the possible incompatibility of the containers.

(**$**) 5. **ENSURE** containerized liquids are being opened and remediated, one container at-a-time, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

NOTE: Steps 4.1.6.a through 4.1.6.d may be repeated as necessary to absorb all the mercury in one container.

6. **IF** the containerized liquid is mercury, **THEN**

   a. **SPRINKLE** mercury sorbent over mercury.

NOTE: Avoid excessive water use.

   b. **DAMPEN** powder with water to form a metal/mercury amalgam (paste).

   c. **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

      STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

      - **DOCUMENT** corrective action in comments on Attachment 1.

   d. **PLACE** metal/mercury amalgam in the Parent/Daughter Drum.

4.1 Absorbing Containerized Liquids, Continued

7. **IF** containerized liquid is NOT mercury, **THEN**

NOTE:	A pipette should be used to transfer drops of liquid to the water.

a. **DISPENSE** enough of the liquid into a small container of water to determine if the liquid is aqueous or organic.

b. **IF** a reaction occurs, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

- **DOCUMENT** corrective action in comments on Attachment 1.

($) c. **RECORD** liquid type on Attachment 1 in accordance with the following: [FC TSR: 5.7.2.19]

- **IF** liquid does NOT separate or form a layer on top of the water, **THEN**

  RECORD "A" for Aqueous.

- **IF** liquid separates or forms a layer on top of the water, **THEN**

  RECORD "O" for Organic.

1) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

($) d. **IF** liquid type is aqueous, **THEN**

- **OBTAIN** the pH of the liquid by dipping a pH strip into the liquid
- **RECORD** initial pH on Attachment 1. [FC TSR: 5.7.2.19]

1) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

Step 4.1.7 Continued

NOTE: Steps 4.1.7.e through 4.1.7.f may be repeated as necessary.

($) e. **IF** the pH of the aqueous liquid is < 5, **THEN**

1) **TRANSFER** liquid to a polypropylene (PP), Teflon, or other approved container in batches as necessary, not to exceed ¼ of the capacity of the container.

2) **ADJUST** pH slowly by adding 50% sodium hydroxide solution a few drops of reagent and observe reaction while stirring until the pH is greater than 5.

a) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE: Corrective actions may include diluting acid or reagent.

b) **DOCUMENT** corrective action in comments on Attachment 1.

c. **RECORD** adjusted pH on Attachment 1.

3) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

Step 4.1.7 Continued

f. **IF** liquid is aqueous, **THEN**

1) **USE** Acid Bond A660 for type of sorbent.

2) **USE** a minimum ratio of 1:1 Acid Bond A660 to liquid.

3) **ADD** liquid to the No-Char.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

RECORD initials on Attachment 1.

g. **IF** liquid is organic, **THEN**

1) **USE** Petrobond A610 for type of sorbent.

2) **USE** a minimum ratio of 1:1 Petrobond A610 (with 10% Acid Bond A660 mixed with the Petrobond A610) to liquid.

3) **ADD** liquid to the No-Char.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

RECORD initials on Attachment 1.

4.1 Absorbing Containerized Liquids, Continued

8. **REPEAT** Steps 4.1.4 through 4.1.7 until all sealed liquid containers in the Candidate Drum have been remediated.

9. **WHEN** all sealed liquid containers in the Candidate Drum have been remediated, **THEN**

   RECORD initials on Attachment 1.

10. **RETURN** to 221-F-55006.

5.0 REFERENCES

• AHA#: FCA-4160	Repackaging Of TRU Waste In F-Canyon
• F-PFHA-F-00027	Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation
• WSRC-RP-2004-00386	Waste Management Area Project Safety and Health Plan For Hazardous Waste Operations.
• WSRC-TR-2006-00101	Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations
• 2S	Conduct of Operations Manual
• 5Q	Radiological Controls Manual
• 8Q	Procedure 16, Ladder And Scaffold Safety Requirements
• 221-F-55006	TRU Drum Repackaging
• WSRC-TS-97-00015	F-Canyon Complex TSR

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

($)	4.1.1	Loss of power occurs. [FC TSR: LCO 3.1.1]				
	4.1.3	Candidate Drum Container ID: _____				
	4.1.4	Sequential number of liquid container.				
($)	4.1.5	Containerized liquids are being opened and remediated one container at a time. [FC TSR: 5.7.2.19]				
($)	4.1.7.c	Record liquid type [FC TSR: 5.7.2.19]				
	4.1.7.c.1	Record Initials [FC TSR: 5.7.2.19]				
($)	4.1.7.d	If the liquid is aqueous, obtain pH and record [FC TSR: 5.7.2.19]				
	4.1.7.d.1	Record Initials [FC TSR: 5.7.2.19]				
($)	4.1.7.e	If pH is < 5, transfer liquid to a container, adjust, and record adjusted pH. [FC TSR: 5.7.2.19]				
	4.1.7.e.3	Record Initials [FC TSR: 5.7.2.19]				
	4.1.7.f	If liquid is aqueous then absorb.				
	4.1.7.g	If liquid is organic then absorb.				
	4.1.9	All sealed liquid containers have been remediated. Initials _____				

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

Comments: _____

Completed By:

_____ _____ _____
Signature Print Name Date

Reviewed By:

_____ _____ _____
Signature Print Name Date

Working copy verified to be the latest revision.

Initials: _____ Date: _____

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing containerized liquids found within Candidate Drums.

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure.

1.3 Definitions

1. Candidate Drum - The original drum transferred to F Canyon from the Solid Waste Management Facility (SWMF) to be repackaged.
2. Parent Drum - The new drum used for repackaging the waste from the Candidate Drum. Parent Drums will be labeled identical to the Candidate Drum being repackaged.
3. Daughter Drum - The new drum(s) used for repackaging the remainder of waste from the Candidate Drum when the Parent Drum will **NOT** hold all the contents from the Candidate Drum. Daughter Drums will be labeled identical to the Candidate Drum being repackaged plus the suffix "A" for the 1st daughter and, if needed, "B" for the 2nd.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions And Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step cannot be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.
   - A Bold Dollar Sign within parentheses **($)** identifies a step, sub-step, or item that implements Authorization Basis (TSR, SAR, or a JCO requirement that is also an AB requirement) requirements.
2. Containerized liquids shall only be opened and remediated one-at-a-time in the TRU Repackaging Enclosure.

2.1 General Precautions And Limitations, cont.

($) 3. If a loss of power occurs or ventilation alarm is received while waste is exposed, immediately exit, then notify TRU FLM, CCA, and Engineering [FC, JCO, LCO 3.1.1]

($) 4. If a spill of containerized liquid occurs in the Enclosure all repackaging activities must stop, once the Enclosure Differential Pressure Alarm Panel is verified to have power and is **NOT** in an alarm (high or low) condition, the spill must then be cleaned up completely before resuming repackaging. [FC, JCO, 5.1.4.1]

5. Containerized liquids must be remediated in the sort tray portion of the Enclosure.

6. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure.

7. When adjusting pH first add a few drops of reagent at a time while stirring.

8. Mercury sorbent shall only be used on mercury spills. **DO NOT** use on acids bases, cyanides, sulfides, or hypochlorites.

9. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.2 Radiological Control Precautions And Limitations

1. Each step in the procedure that requires/requests a Radiological Control Operations (RCO) survey implements a "RADCON ACTION STEP".

2. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP)

3. Constant RCO coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).

4. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, Configuration Control Authority (CCA), and RCO FLM.

5. Follow RCO directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment).

6. Conduct a pre-job briefing per the Pre-Job Checklist.

Precautions And Limitations have been read and understood:

_____

Initials

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids

1. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.
2. **ENTER** the sequential number of the liquid container being remediated (i.e., first container is 1, second container is 2, third container is 3, etc.).

($) 3. **ENSURE** containerized liquids are being opened and remediated one container at-a-time, **AND**

INITIAL on Attachment 1. [FC, JCO, 5.1.4.1]

4. **IF** containerized liquid is in an ampule, **THEN**
   a. **DON** leather gloves
   b. **COVER** the ampule with tape (excluding the scribe mark).
   c. Using the ampule break tool, **BREAK** the tip off the ampule.

($) d. **POUR** liquid on a pink absorbent pad. [FC, JCO, 5.1.4.1]

   e. **PLACE** empty ampule into the Parent/Daughter Drum.
   f. **ENSURE** applicable items on Attachment 1 have been completed.

NOTE:	For stubborn vial caps where force is required to remove, vials should be taped and leather gloves utilized prior to removing the cap.

5. **IF** containerized liquid is **NOT** in an ampule, **THEN**

   Slowly VENT and **OPEN** the container, **AND**

   INITIAL Attachment 1.

NOTE 1:	Steps 4.1.6.a through 4.1.6.d may be repeated as necessary to absorb all the mercury.
NOTE 2:	Pink absorbent pads may be used as necessary.

6. **IF** the containerized liquid is mercury, **THEN**

($) a. **SPRINKLE** mercury sorbent over mercury. [FC, JCO, 5.1.4.1]

NOTE:	Avoid excessive water use.

   b. **DAMPEN** powder with water to form a metal/mercury amalgam (paste).
   c. **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

      STOP and **CONTACT** the TRU FLM.

   d. **PLACE** metal/mercury amalgam in the Parent/Daughter Drum.
   e. **ENSURE** applicable items on Attachment 1 have been completed.

4.1 Absorbing Containerized Liquids, cont.

($) 7. **IF** containerized liquid is **NOT** mercury or in an ampule, **THEN**

a. **DISPENSE** enough of the liquid into a small container of water to determine if the liquid is aqueous or organic, **AND**

INITIAL on Attachment 1. [FC, JCO, 5.1.4.1]

b. **IF** a reaction occurs, **THEN**

1) **STOP** and **CONTACT** the TRU FLM and Engineering to determine a path forward.

2) **DOCUMENT** corrective action in comments on Attachment 1.

8. **RECORD** liquid type on Attachment 1 in accordance with the following:

- **IF** liquid does **NOT** separate or form a layer on top of the water, **THEN**

  RECORD "A" for Aqueous.

- **IF** liquid separates or forms a layer on top of the water, **THEN**

  RECORD "O" for Organic.

($) 9. **IF** liquid type is aqueous, **THEN**

OBTAIN the pH of the liquid by dipping a pH strip into the liquid, **AND**

RECORD initial pH on Attachment 1. [FC, JCO, 5.1.4.1]

($) 10. **IF** the pH of the aqueous liquid is < 5, **THEN** [FC, JCO, 5.1.4.1]

NOTE:	The first batch transferred to another container should **NOT** exceed ¼ of the capacity of the container.

a. **TRANSFER** liquid to a polypropylene (PP), Teflon, or other approved container in batches as necessary.

NOTE:	When adjusting pH first add a few drops of reagent and observe reaction. If no violent reaction is observed, then continue to add reagent very slowly.

b. **ADJUST** pH slowly by adding 50% sodium hydroxide solution while stirring until the pH is > 5.

1) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE:	Corrective actions may include diluting acid or reagent.

2) **DOCUMENT** corrective action in comments on Attachment 1.

c. **RECORD** adjusted pH on Attachment 1.

4.1 Absorbing Containerized Liquids, cont.

($) 11. **IF** liquid is aqueous, **THEN** [FC, JCO, 5.1.4.1]

a. **RECORD** Acid Bond A660 for type of sorbent on Attachment 1.

b. **USE** a minimum ratio of 1:1 Acid Bond A660 to liquid.

c. **ADD** liquid to the No-Char.

d. **MIX** until all liquids are absorbed.

e. **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

f. **ADD** appropriate amount of absorbent material to original container.

G. Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

INITIAL on Attachment 1.

($) 12. **IF** liquid is organic, **THEN** [FC, JCO, 5.1.4.1]

a. **RECORD** Petrobond A610 for type of sorbent on Attachment 1.

b. **USE** a minimum ratio of 1:1 Petrobond A610 (with 10% Acid Bond A660 mixed with the Petrobond A610) to liquid.

c. **ADD** liquid to the No-Char.

d. **MIX** until all liquids are absorbed.

e. **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

f. **ADD** appropriate amount of absorbent material to original container.

g. Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

INITIAL on Attachment 1.

13. **REPEAT** steps 1 through 12 until all sealed liquid containers in the Candidate Drum have been remediated.

14. **WHEN** all sealed liquid containers in the Candidate Drum have been remediated, **THEN**

INITIAL on Attachment 1.

15. **RETURN** to 221-F-55006.

Section Complete

5.0 REFERENCES

1. AHA#: FCA-3394, *Absorbing Containerized Liquids In The TRU Repackaging Enclosures*
2. F-PFHA-F-00027, *Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation*
3. N-NCS-F-00119, Nuclear Criticality Safety Evaluation: *TRU Waste Drum Remediation in F-Canyon*
4. WSRC-RP-2004-00386, *Waste Management Area Project Safety And Health Plan For Hazardous Waste Operations.*
5. WSRC-TR-2006-00101, *Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations*
6. WSRC 2S, *Conduct of Operations Manual*
7. WSRC 5Q, *Radiological Controls Manual*
8. WSRC 8Q, Procedure 16, *Ladder And Scaffold Safety Requirements*
9. 221-F-55006, *TRU Drum Repackaging*
10. AHA#: FCA-3310, *Shipping, Receiving, And Repackaging TRU Waste In F Canyon*

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

	1.	Candidate Drum Container ID: _____				
	2.	Sequential number of liquid container.				
($)	3.	Only one liquid container being remediated (Initials). [FC, JCO, 5.1.4.1]				
	4.	Containerized liquid is an ampule (Yes or No).				
	5.	Container venting complete (Initials or N/A for an ampules).				
	6.	Containerized liquid is mercury (Yes or No).				
($)	7.	Reaction to determine if the liquid is aqueous or organic observed (Initials or N/A for mercury and ampules). [FC, JCO, 5.1.4.1]				
	8.	**RECORD** A for Aqueous or O for Organic (N/A for mercury or an ampule).				
($)	9.	**RECORD** Initial pH (N/A for mercury, ampules, and organics) [FC, JCO, 5.1.4.1]				
($)	10.	**IF** pH was adjusted, **THEN** **RECORD** adjusted pH (N/A for mercury, ampules, and organics). [FC, JCO, 5.1.4.1]				
($)	11.	**RECORD** type of sorbent used [FC, JCO, 5.1.4.1]				
($)	12.	All liquid absorbed (Initials). [FC, JCO, 5.1.4.1]				

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

13. All sealed liquid containers have been remediated. Initials _____

Comments: _____

Completed By:

_____ _____ _____
Signature Print Name Date

Reviewed By:

_____ _____ _____
Signature Print Name Date

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P043
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Preparing, Applying, and Disposing of Lead-Oil Lubricant	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, DPSOL 321-701, Revision 7, 02/03/1984, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR6, WS4, WS8, WS9, WS12, S16	1-3	Procedure describes the making of the lead-oil mixture with DuPont A-408 oil and powdered lead. Disposing of the oil is done in a metal container with 2 plastic bags. Oil is pour directly into the bags, filling thcontainer 1/2 full and Oil Dry is added to the fill the container to form a solid cake. The metal container is placed in a contaminated waste drum.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 10/06/2011
Print

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

P043

DO NOT REMOVE From SRP
Without Approval
RAW MATERIALS
OPSOP REF 321-3
PROOUCTION
EXT PREPARATION

DPSOL 321-710
Revision 7

Approval Date 2/3/84
Category 3A

PREPARING, APPLYING AND DISPOSING OF LEAD-OIL LUBRICANT ←

FREQUENCY:
As specified under definition of categories in RMD DPSOL Index.

SAFETY:

1) Female employees refer to DPSOP 158 Page 1016 "Handling Embryotoxic Materials".

2) Wear Comfo II respirator, eye protection, leather gloves, plastic aprons and shoe covers while handling powdered lead.

3) Use proper lifting methods.

4) When there is a lubricant spill, be careful of slippery floors. Remove spills as soon as practical.

5) Wear face shield and leather gloves during application of lubricant.

6) Wash hands and face thoroughly after handling powdered lead.

7) Be alert for flash fires when applying lead oil to hot surfaces.

8) Clean up all loose lead powder immediately.

INFORMATION:
Complete this OPSOL as follows:
- Fill in date space over first available checkoff column on page.
- Check each step as completed under proper date.
- Enter initials and payroll (PR) number, and shift at end of each completed section containing such spaces. Every succeeding or relief operator must check and initial DPSOL section(s) and/or steps directly relating to job performed during shift.
- Give to supervisor when all columns are full.

PROCEDURE:

A. MIXING LEAD OIL

Date _____ _____ _____ _____ _____

[NOTE: Fresh lead oil must be prepared at start of each shift of operation. Lead-oil mixed during the previous shift may be used after re-shaking the container per steps A-3) through 8). Verify that the lead oil is well mixed and that there is not a

A.... Date _____ _____ _____ _____ _____

layer of powdered lead on the bottom. Dispose of lead oil over 1 shift "old" per section C. Check lead powder for oxidation, if it is caked together or has a yellow or orange tint, notify supervision.]

1) Pour 3 quarts of oil (Du Pont A-408) into mix bucket. _____ _____ _____ _____ _____

2) Add 1 quart of powered lead to oil. _____ _____ _____ _____ _____

3) Place top on mix bucket. Place bucket in shaker, and tighten top firmly. _____ _____ _____ _____ _____

4) Verify breaker No. 32 in lighting panel E is ON. _____ _____ _____ _____ _____

5) Place ON-OFF switch (located on wall behind shaker) in ON position. _____ _____ _____ _____ _____

6) Energize paint shaker by pushing start button. Red light will come on to indicate that shaker is on. _____ _____ _____ _____ _____

7) Allow bucket to shake for 28 minutes. (2 cycles on timer) _____ _____ _____ _____ _____

8) De-energize shaker by pushing OFF button and remove bucket of mixture. _____ _____ _____ _____ _____

B. APPLYING LEAD-OIL

1) One to two layers of rags may be placed under the tooling to be lubricated in order to prevent lead oil from falling into pit. Verify that a fire extinguisher is available at the jib crane in case oil soaked rags catch on fire.

2) Manually stir mixture before each application with swab, lead settles out of oil rapidly. _____ _____ _____ _____ _____

3) Paint the mandrel with lead oil by using the swab. _____ _____ _____ _____ _____

Date	____	____	____	____	____
4) Coat the container inside wall, grooves and die with lead oil by dipping swab (on extended handle) into mixture and swabbing thoroughly.	____	____	____	____	____
5) Paint the cutoff block, dummy block, and billet thoroughly with lead oil.					
[NOTE: Do not stand over pieces being coated with lead-oil; they may ignite.]	____	____	____	____	____

C. DISPOSING OF LEAD OIL

1) Place double plastic bags in a metal container.					
2) Pour all excess lead oil into bags. Do not fill container over 1/2 full.	____	____	____	____	____
3) Add "oil dry" to lead oil in the bags to form a solid cake.	____	____	____	____	____
4) Seal plastic bags and metal container.	____	____	____	____	____
5) Place metal containers in contaminated waste drum or container.	____	____	____	____	____
	____	____	____	____	____
Initials	____	____	____	____	____
P. R. No.	____	____	____	____	____
Shift	____	____	____	____	____

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P036
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Cleaning Extrusion Press Pit	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, DPSOL 321-822, Revision 0, 07/10/1979, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR8, WS8, WS9	Page 3	Procedure specifies the use of Oil Dry to solidify contaminated waste oil. Chemicals called out are Klear All (99-3574) and B-827 solvent.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Sherry Auckland / _____ Date: 10/06/2011

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

P043

DO NOT REMOVE From SRP
Without Approval
RAW MATERIALS
OPSOP REF 321-3
PROOUCTION
EXT PREPARATION

DPSOL 321-710
Revision 7

Approval Date 2/3/84
Category 3A

PREPARING, APPLYING AND DISPOSING OF LEAD-OIL LUBRICANT ←

FREQUENCY:
As specified under definition of categories in RMD DPSOL Index.

SAFETY:

1) Female employees refer to DPSOP 158 Page 1016 "Handling Embryotoxic Materials".

2) Wear Comfo II respirator, eye protection, leather gloves, plastic aprons and shoe covers while handling powdered lead.

3) Use proper lifting methods.

4) When there is a lubricant spill, be careful of slippery floors. Remove spills as soon as practical.

5) Wear face shield and leather gloves during application of lubricant.

6) Wash hands and face thoroughly after handling powdered lead.

7) Be alert for flash fires when applying lead oil to hot surfaces.

8) Clean up all loose lead powder immediately.

INFORMATION:
Complete this OPSOL as follows:
- Fill in date space over first available checkoff column on page.
- Check each step as completed under proper date.
- Enter initials and payroll (PR) number, and shift at end of each completed section containing such spaces. Every succeeding or relief operator must check and initial DPSOL section(s) and/or steps directly relating to job performed during shift.
- Give to supervisor when all columns are full.

PROCEDURE:

A. MIXING LEAD OIL

Date _____ _____ _____ _____ _____

[NOTE: Fresh lead oil must be prepared at start of each shift of operation. Lead-oil mixed during the previous shift may be used after re-shaking the container per steps A-3) through 8). Verify that the lead oil is well mixed and that there is not a

A....	Date				
layer of powdered lead on the bottom. Dispose of lead oil over 1 shift "old" per section C. Check lead powder for oxidation, if it is caked together or has a yellow or orange tint, notify supervision.]					
1) Pour 3 quarts of oil (Du Pont A-408) into mix bucket.					
2) Add 1 quart of powered lead to oil.					
3) Place top on mix bucket. Place bucket in shaker, and tighten top firmly.					
4) Verify breaker No. 32 in lighting panel E is ON.					
5) Place ON-OFF switch (located on wall behind shaker) in ON position.					
6) Energize paint shaker by pushing start button. Red light will come on to indicate that shaker is on.					
7) Allow bucket to shake for 28 minutes. (2 cycles on timer)					
8) De-energize shaker by pushing OFF button and remove bucket of mixture.					

B. APPLYING LEAD-OIL

1) One to two layers of rags may be placed under the tooling to be lubricated in order to prevent lead oil from falling into pit. Verify that a fire extinguisher is available at the jib crane in case oil soaked rags catch on fire.					
2) Manually stir mixture before each application with swab, lead settles out of oil rapidly.					
3) Paint the mandrel with lead oil by using the swab.					

Date	____	____	____	____	____
4) Coat the container inside wall, grooves and die with lead oil by dipping swab (on extended handle) into mixture and swabbing thoroughly.	____	____	____	____	____
5) Paint the cutoff block, dummy block, and billet thoroughly with lead oil.					
[NOTE: Do not stand over pieces being coated with lead-oil; they may ignite.]	____	____	____	____	____

C. DISPOSING OF LEAD OIL

1) Place double plastic bags in a metal container.	____	____	____	____	____
2) Pour all excess lead oil into bags. Do not fill container over 1/2 full.	____	____	____	____	____
3) Add "oil dry" to lead oil in the bags to form a solid cake.	____	____	____	____	____
4) Seal plastic bags and metal container.	____	____	____	____	____
5) Place metal containers in contaminated waste drum or container.	____	____	____	____	____
Initials	____	____	____	____	____
P. R. No.	____	____	____	____	____
Shift	____	____	____	____	____

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C017
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Memo to S. L. Tibrea re: Building 321-M Wastes	
Source Document Reference Information (author(s), document and revision number, date, publisher): F. C. Rhode, DPSP-86-71-4, NA, 04/22/1986, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR5, PR7, WS1, WS2, WS3, WS4, WS8, WS9, WS11	Throughout	This DuPont document characterizes solid wastes from Building 321-M. Areas/Buildings: Building 321-M Radionuclides: enriched uranium Uranium-234, 235, 236, 238 Chemicals: aluminum aluminum chips Sludge collected from degreasers containing 1,1,1 trichloroethane, lead, oil, oil-dry 1,1,1 trichloroethane lead oil Used oil from the draw bench, vacuum systems, hydraulic systems: Oil, DuPont Code A-408; Oil, DuPont Code A-522 S; Oil, DuPont Code A-523; Oil, DuPont Code A-532; Door Ease; Oil, Vacuum, High, DOW CD; Oil, Hydraulic, Antiwear; and Oil, Penetrating oil-dry Physical waste forms: aluminum chips aluminum foil asbestos bags cans cardboard boxes conduit wire crates dirt instruments lead-oil contaminated rags, wipes, soiled clothing, gloves lumber miscellaneous metal pieces

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C017
AK # [a]	Source Doc. Page # [b]	AK Information Summary
		Mixture of powdered lead and lubricating oil obsolete and worn equipment packing materials pallets paper products Pieces of aluminum 5 to 8 inch OD X 1 to 3.5 inch X 5 inches long Pieces of aluminum tubing 3/8" OD X 1/8" X up to 50 inches long Pieces of aluminum tubing, 1 to 4 inch OD X 0.25 inch wall thickness X up to 4 ft long. pieces of concrete pipe plastic film scrap metal used floor coverings worn equipment and instruments worn tools WASTE CATEGORIES AND VOLUMES (pp. 2-3): 1000 tubes per month (total fuel and targets) Office, Computer Room. Lunch Room and Restroom Wastes -32,000 ft3/yr. Process Waste - 20,000 ft3/yr: mixture of wastes summarized in pp. 5-9 Shop Wastes Construction Wastes - 2000 ft3/yr. Packing materials Tube Ends - 72,000 lb/yr. Used Cutoff Blocks - 90,000 lb/year. Used Evacuation Tubing - 3000 lb/yr TCE Sludge - 20 55 gallon drums/yr Lead Oil - 80 55 gallon drums/yr Used Oils (hydraulic systems) 10 drums/yr

Source Document Data Limitations (if any):

1. Mixture of wastes summarized in pp. 5-9 is barely legible.

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 10/06/2011

Print

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

C017 3605211100[illegible]

DSR 3-4A

DUPONT

INTER-OFFICE MEMORANDUM

SAVANNAH RIVER PLANT

Key words: Building 321-M, Wastes, Waste Monitoring

DPSP-86-71-4

April 22, 1986

TO: S. L. TIBREA, 703-45A

FROM: F. C. RHODE, 320-M FCR

BUILDING 321-M WASTES

SUMMARY

As you requested, this memorandum characterizes solid wastes generated in Building 321-M for your use in preparing basic data for development of proposed new waste monitoring equipment. Improved waste monitoring equipment is presently needed. However, because the powder metallurgy process will eliminate most of the easily divertible forms of SNM from Building 321-M, the long range need for new waste monitoring technology is questionable and should be evaluated further.

DISCUSSION

Wastes generated in Building 321-M include a wide range of materials and densities. Wastes were grouped into various categories because of special considerations due to their origin, content, density, size, or disposition. Waste volumes were based on an average throughput of 1000 tubes per month (total fuel and targets). Waste from the charge preparation, casting, and machining areas is not included. It was assumed that these operations will be replaced by a powder metallurgy process in H-Area by the time the new waste monitoring equipment is available. If the charge preparation, casting, and machining operations are eliminated, the need for additional expensive, high technology, waste monitoring equipment becomes questionable. All of the present, readily available, uncontained forms of SNM would be eliminated. The only potential targets for diversion remaining would be whole billets, whole tubes or portions of tubes. Visual inspection of wastes should be adequate to detect diversion of these items.

RECORDS ADMINISTRATION
R0693298

Tube cores could be intentionally or inadvertently cut and discarded with aluminum tube-end waste. However, existing controls and monitoring methods for this waste should be adequate and reliable. In addition, missing portions of fuel tubes would be detected by existing tube inspections (i.e. fluoroscope).

The principle isotopes present in enriched uranium that might be found in wastes to be monitored are ^{234}U, ^{235}U, ^{236}U and ^{238}U. The concentration of these isotopes varies as a function of the ^{235}U concentration as shown in Figure 1. The ^{235}U concentration can vary from 40 to 93 wt%. All wastes would be expected to contain less than gram quantities and "assay" accuracy would not be required.

WASTE CATEGORIES

Office, Computer Room, Lunch Room and Restroom Wastes - Mostly paper products, some incidental metal items. Lunch room wastes contain cans, aluminum foil. About 32,000 ft^3/yr.

Process Waste - A mixture of items listed in the attachments. The attachments represent typical operating supplies delivered to Building 321-M during a recent three-month period. These materials and their containers eventually become waste. About 20,000 ft^3/year.

Shop Wastes - Mixtures of packing materials, scrap metal, worn equipment, instruments and operating supplies including many of the items listed in the attachments. Included in volume estimated under "Process Wastes".

Construction Wastes - Includes broken pieces of concrete, lumber, packing material, obsolete and worn equipment, pipe, conduit wire, asbestos, instruments, worn tools, dirt, miscellaneous metal pieces, and used floor coverings. Estimated volume: 2000 ft^3/year.

Packing Materials - Cardboard boxes, pallets, lumber, crates, packing materials, plastic film, bags, cans, etc. Included in volume listed under "Process Wastes".

Tube Ends - Pieces of aluminum tubing 1 to 4 inch OD X 0.25 inch wall thickness X up to 4 ft long. About 72,000 lb/year.

Used Cutoff Blocks - Pieces of aluminum 5 to 8 inch OD X 1 to 3.5 inch ID X 5 inches long. About 90,000 lb/year.

Used Evacuation Tubing - Pieces of aluminum tubing 3/8" OD X 1/8" ID X up to 50 inches long. About 3000 lb/year.

TCE Sludge - Sludge collected from degreasers containing 1,1,1, trichloroethane, lead, oil, oil-dry, aluminum chips. Collected in 55 gallon drums. About 20 drums/year.

Lead Oil - Mixture of powdered lead and lubricating oil. Collected in 55 gallon drums. Also: rags, wipes, soiled clothing, gloves, etc. contaminated with lead-oil. Liquids may be mixed with oil-dry. About 80 drums/year.

Used Oils - Used oil from the draw bench, vacuum systems, hydraulic systems. About 10 drums/year.

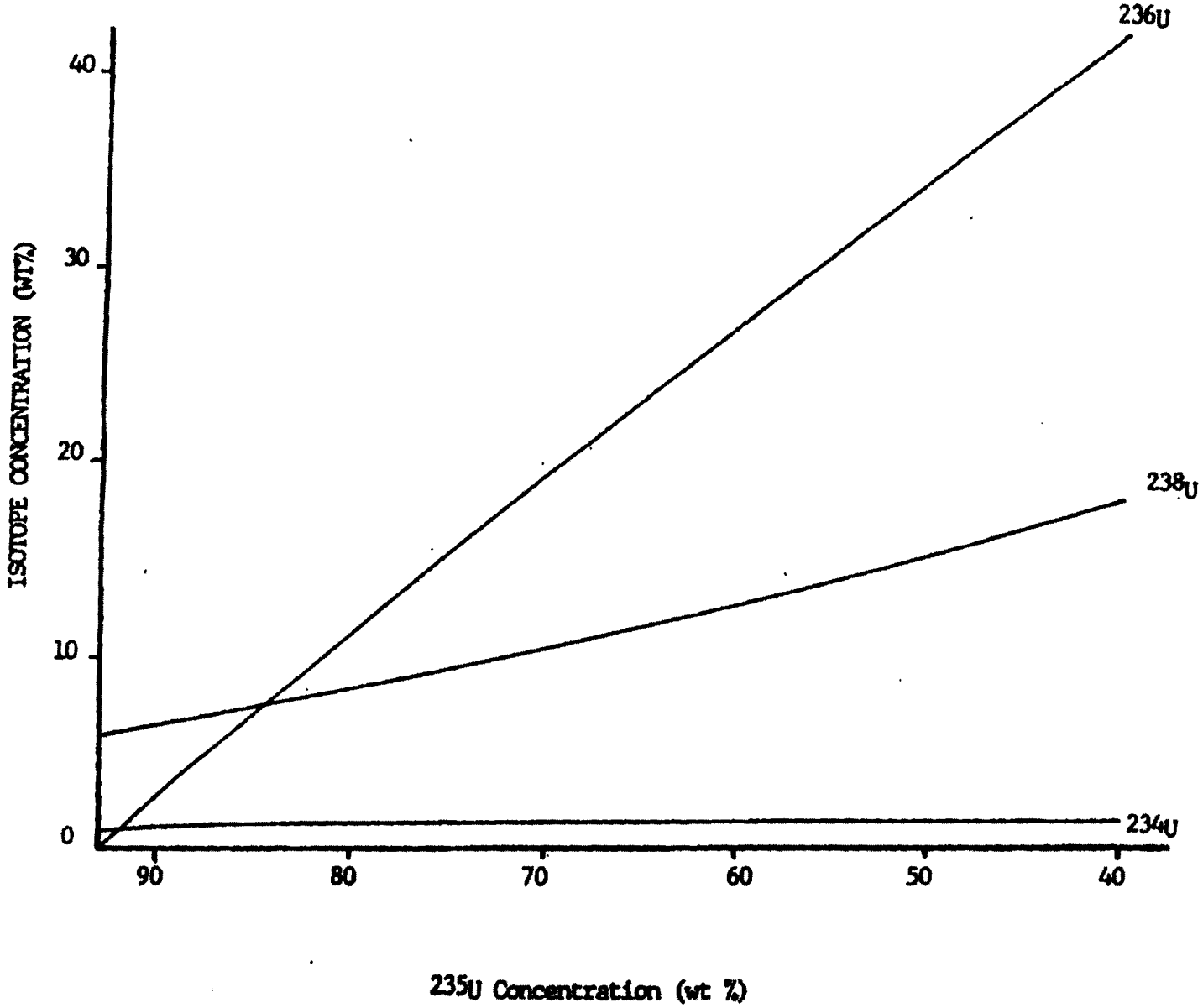

Figure 1. Typical isotope concentrations in recycle EU.

PROGRAM: P261002C
DATE: 03/31/84

MONTHLY
DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM521

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REQ SIGN	REQ ITEM	COUNTER PICK UP
0521M00	1 - 103.00	CEMENT, MORTAR, 100 LB	1.00	EA	32.10	MALLFORD	03/01/84			
	8 - 847.00	ROLLER, PAINT,4",1MHR JOH	8.00	EA	23.72	JOHNSON	03/01/84			
	8 - 847.00	COVERS, PAINT ROLLERS, 4"	24.00	EA	23.14	JOHNSON	03/02/84			
	3 - 2040.00	1041, PAINT ROLLER, 18 IN	6.00	EA	8.04	JOHNSON	03/12/84			
	4 - 1310.00	BANDING, STEEL, MILD IRON	500.00	LB	408.10	MOLLOWAY	03/14/84			
	4 - 1740.00	BOLT, EYE, SHOULDER TYPE,	30.00	EA	86.10	WIEBRENEMA	03/21/84			
	4 - 3189.00	CARBIDE, SINGLEWALL CARBID	130.00	EA	125.10	WELCH	03/04/84			
	4 - 3920.00	CLOTH,CURITY,12 IN.X 10 Y	5,000.00	EA	848.00	MOLLIDAY	03/13/84			
	4 - 10851.00	OPENER CAN , PLASTIC HAND	3.00	EA	10.00	MALLFORD	03/23/84			
	4 - 10851.00	OPENER, CAN, WALL STYLE	3.00	EA	10.60	MALLFORD	03/23/84			
	4 - 10940.00	PADS, ABSORBENT, 959 PER	8.00	CS	111.00	MOLLIDAY	03/26/84			
	4 - 10960.00	PADS, ABSORBENT, 338 PER	15.00	CS	333.00	SANDERS	03/27/84			
	4 - 21980.00	SHELLS, EXPANSION, SELF-D	100.00	EA	110.00	DOLLAR	03/24/84			4
	4 - 21350.00	TAG, ALUMINUM, W/WIRE, 1	100.00	EA	10.00	CARE),1 RM-111	03/03/84			
	4 - 29100.00	TAPE, MASKING, 1 IN.,	40.00	RL	43.34	MOLLIDAY	03/13/84			
	4 - 29100.00	TAPE, MASKING, 1 IN.,	40.00	RL	43.34	MALLFORD	03/19/84			
	[illegible]									
	[illegible]									
	[illegible]									
	[illegible]									
	11 - 2946.10	CONDUIT, ELECTRICAL METAL	110.00	FT	19.00	JHOMAS	03/31/84			
	13 - 3450.00	BLADES, POWER SAW, H.S. S	10.00	EA	80.00	MARGOBYE	03/10/84			
	11 - 3440.00	BUFFER, LAMBSWOOL 8DHNE),	20.00	EA	98.00	SANDERS	03/26/84			4
	15 - 8330.00	KNIFE, PUTTY, 1-1/4 IN BL	12.00	EA	12.40	CDBK	03/12/84		4	
	14 - 3430.00	TORCH, WELDARC, HAND-TYPE	2.00	EA	188.01	MOLLIDAY	03/11/84			
	20 - 130.00	CAP, SURGEON, CLOTH, ORAN	200.00	EA	140.00	MOLLOWAY	03/11/84			
	20 - 200.00	CAP, SURGEONS, CLOTH, WHI	400.00	EA	234.96	MALLFORD	03/24/84			
	20 - 211.00	CAP, CRAZY, SIZE 1-1/4 BA	8.00	EA	13.30	BOWMAN	03/06/84			
	20 - 212.00	CAP, CRAZY, SIZE 1-3/8 BA	4.00	EA	12.38	RUNNELL JW	03/05/00			
	20 - 212.00	CAP, CRAZY, SIZE 1-3/8 BA	4.00	EA	12.38	BOWMAN	03/06/00			
	20 - 213.00	CAP, CRAZY, SIZE 1-1/2 BA	4.00	EA	12.28	BOWMAN	03/06/84			
	20 - 400.00	COVER, SHOE, VINYL, SIZE	400.00	PR	84.32	MALLFORD	03/03/84			
	20 - 430.00	COVER, SHOE, VINYL, SIZE	1,400.00	PR	301.20	MALLFORD	03/21/84			
	20 - 430.00	COVER, SHOE, VINYL, SIZE	1,400.00	PR	305.20	SHEELY	03/15/84			
	20 - 435.00	COVER, SHOE, PLASTIC, YEL	1,200.00	PR	263.34	SHEELY	03/31/84			
	20 - 727.00	COVERALLS, SAFETY "D" BIN	1.00	PR	244.31	WIEBERENA	03/10/84			
	20 - 728.00	COVERALLS, SAFETY "D" BIN	3.00	PR	243.63	WIEBERENA	03/11/84			
	20 - 814.00	COVERALL, WEIDER), WHITE,	25.00	PR	2,813.20	MALLFORD, 800	03/20/84			
	28 - 445.00	GLOVES, "KEVLAR", TERRI H	144.00	PR	2,134.51	BOWMAN RM-111	03/19/84			
	28 - 843.00	GLOVES, "KEVLAR", TERRI H	144.00	PR	2,156.91	BARBER	03/21/84			
	28 - 810.00	GLOVE, COTTON, 10 OZ. KNI	400.00	PR	330.00	MALLFORD	03/17/84			
	28 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	RUNNELL JW	03/05/84	4	4	
	28 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	RUNNELL	03/12/84	4	4	
	26 - 1442.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	MOLLIDAY	03/13/84	4	4	
	44 - 4444.44	GLOVE, LEATHER PALM, 10P	144.44	PR	314.34	CRAWFORD	03/13/84	4	4	
	[illegible]									

DATE: 03/31/84

MONTHLY
DISBURSEMENT REVIEW

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM125

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REQ SIGN	REQ ITEM	COUNTER PICK UP
0521M00	20 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	318.69	MOLLOWAY	03/26/84	4	4	4
	28 - 1210.00	GLOVE, LATEX RUBBER, SIZE	144.00	PR	162.12	CDBK	03/01/84			
	26 - 1310.00	CLOVE, SURGICAL, WHITE LA	500.00	PR	118.00	CDBK	03/01/84			
	20 - 1405.00	JACKET, CHEF BROWN, CANVA	5.00	EA	94.31	MALLFORD	03/23/84			
	20 - 1425.00	SHIRT, SWEAT, SIZE LARGE,	20.00	EA	135.00	JOHNSON LB RM111	03/01/84		4	
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	131.00	RUNNELL JW	03/13/84	P	4	
	21 - 113.06	CAP, WHITE, MSA-V-GUARD 4	3.00	EA	5.28	WIEBERKENR-RM111	03/17/84			
	21 - 251.03	EIEWEAR, PROTECTIVE, 8160	24.00	PR	41.28	PROVEAUX,8 RM116	03/13/84			
	21 - 293.00	PLUG, EAR, HEARING PROTEC	300.00	PR	46.00	PROVEAUX,8 RM318	03/01/84			
	23 - 293.00	PLUG, EAR, HEARING PROTEC	200.00	PR	32.00	PROVEAUX	03/23/84			
	21 - 430.06	CLEANER, LENS CLEANING 33	3.00	EA	19.41	SMITH,J RM-111	03/17/84			
	21 - 436.00	DISPENSER,TISSUE,LENS, 1	3.00	EA	28.19	SMITH,J RM-111	03/17/84			
	25 - 1315.00	LINER, SUSPENSION "SIAZ-0	1.00	EA	5.60	WIEBERKENR-RM111	03/17/84			
	21 - 2320.00	RESPIRATOR COMPR 33	12.00	EA	397.40	WELCH MP	03/24/84	A		
	21 - 2320.00	RESPIRATOR COMPR 33	95.00	EA	1,334.60	WELCH MP	03/27/84	P		
	22 - 20.00	OIL, DU PONT CODE A-460,	220.00	GAL	481.20	CAREY	03/27/84			
	22 - 80.06	OIL, DU PONT CODE A-481,	220.00	GAL	487.15	BOWMAN	03/21/84			
	22 - 110.00	OIL, DU PONT CODE A-322 3	2.00	EA	69.10	MEISTER	03/07/84			
	21 - 233.06	OIL, DU PONT CODE A-525,	10.00	GAL	21.36	WEISTER	03/07/84			
	22 - 290.00	OIL, DU PONT CODE A-332,	40.00	EA	486.22	CARNES	03/13/84			
	22 - 1840.00	OIL, VACUUM, HIGH, DOW 00	12.00	EA	120.00	SANDERS	03/05/84			
	22 - 1840.00	OIL, VACUUM, HIGH, DOW 00	1.00	EA	400.00	CARNES	03/21/84			
	25 - 331.00	143, POLYETHYLENE, 24 X 1	10.00	EA	4.01	MOLLIDAY	03/01/84			
	25 - 1610.00	CONTAIN, MASTER POWIM, PR	10.00	EA	172.00	CARE)	03/13/84			
	21 - 101.00	KNAPP SAFETY SHOE STYLE 4	3.00	PR	61.14	CARE) 110115	03/14/84			
	23 - 407.00	HI-TECH,SAFETY SHOE, STYL	1.00	PR	61.24	D.HIDRICK	03/16/84			
	23 - 483.00	HI-TECH,SAFETY SHOE, STYL	1.00	PR	61.24	P.J.SMITH	03/23/84			
	10 - 350.00	FOAM, BULINE)), 24 1/8 X	10.00	CS	321.11	DICKINSON	03/22/00			
	10 - 10401.00	FILTER, EXHAUST, HEPA, F)	12.00	EA	2,013.40	S. WEISTER	03/01/84			
	50 - 10403.00	FILTER, EXHAUST, HEPA, F)	12.00	EA	2,033.40	S. WEISTER	03/21/84			
	10 - 11443.00	FILTER, PANEL, BACKDR, 5	48.00	EA	181.00	S. WEISTER	03/28/84			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 18
TOTAL VALUE OF DISBURSEMENTS: 24,145.71

PROGRAM: R2450A2C
DATE: 01/31/88

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: 0513 - 323M [illegible] PREP 299 ACCT
MANAGER: W A BRADY
LOCATION: 323M

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESI SIGN	SEN ITEM	CONTRACTOR PICK UP
[illegible]	4 - 3127.87	CLOTH,EMPTY,12 IN,R 18 I	599.00	EA	119.39	CONANT, C	01/08/84			
	5 - 7715.73	CLOCK,BATTERY WALL 8-INCH	1.00	EA	14.19	VINCENT	01/27/84		*	
	13 - 8713.99	HAMMER, SLEDGE, DOUBLE FA	1.00	EA	9.17	CONANT, C	01/19/84			
	20 - 612.17	GLOVES, "KEVLAR", "EPPY -	144.00	PR	2,132.75	CONANT, C	01/15/84			
	21 - 876.77	GLOVE, COTTON, 10 OZ, RNI	144.00	PR	22.17	CONANT, C	01/31/84			
	23 - 975.77	GLOVE, LEATHER, CAPELIN,	48.00	PR	144.19	BRACY, M.A.	01/27/84	*		
	24 - 1116.99	GLOVE, LEATHER PALM, IOP	144.00	PR	289.13	CONANT, C	01/16/84	*		
	2C - 1939.00	GLOVE, LEATHER PALM, IOP	144.00	PR	223.13	BRACY	01/15/84	*		
	29 - 1230.99	GLOVE,SURGICAL,MENS,WHITE	24.00	PR	8.91	MINNEMOTOM	01/20/84			
	22 - 2229.99	GREASE, SILICONE, HIGH V4	12.00	EA	77.00	SCHART	01/27/84			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0513

TOTAL NUMBER OF DISBURSEMENTS: 10
TOTAL VALUE OF DISBURSEMENTS: 3,171.79

PROGRAM: R2450A2C
DATE: 01/31/88

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 8

COST CONTROL CENTER: 8522 - 323M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 321M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESI SIGN	SEN ITEM	CONTRACTOR PICK UP
8321M00	1 - 1170.00	UNISTRUT PETTIMOS, P-4047	48.00	EA	72.48	CAREY	01/24/84			*
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	4 - 470.00	ABRASIVE, CLOTH, EMERY, 9	500.00	SHT	199.74	SANDERS	01/30/84			*
	4 - 1020.00	ABRASIVE, PAPER, 9 X 11 I	500.00	SHT	111.51	SANDERS	01/31/84			*
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	130.00	EA	114.92	MARLIN	01/15/84			
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	330.00	EA	314.37	HALLFORD	01/17/84			
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	3.00	EA	2.03	321M	01/24/84			
	4 - 8CA0.00	HOOKS, SNAPS, FOR SHOWER	200.00	EA	8.40	SANDERS	01/20/84			*
	4 - 9109.00	HOSE GARDEN, BLACK, 3/4 I	2.00	EA	39.99	BOWMAN	01/13/84			
	4 - 8810.00	NOZZLE, GARDEN HOSE 3/4 I	3.00	EA	17.04	BOWMAN	01/13/84			
	4 - 29285.00	SLEEVE, LEAD TERDER, SIZE	1,000.00	EA	10.00	DICRIMSON, M.G.	05/03/84			
	4 - 29440.00	TAPE, FABRIC, 4 IN., OILY	32.00	RL	49.00	COOR	01/17/84			
	4 - 29720.00	TAPE, MASKING, 2", 60 YD	-8.00	RL	-21.04		01/02/84			
	4 - 29730.00	TAPE, MASKING, 3 IN.,	4.00	RL	15.74		01/06/84			
	4 - 29860.00	TAPE,PLASTIC FILM,3 IN. P	12.00	RL	39.60	JOHNSON LE RM117	01/21/84			
	5 - 4318.00	PADLOCKS, 1 5/8 IN WROUGH	12.00	EA	40.20	COOR,R RM-117	01/30/84			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	12 - 327.00	BATTERY, MIRALITE, T.S V.	36.00	EA	18.36	CAREY	01/10/84			
	12 - 375.00	BATTERY, ORYCELL, 17/32 R	12.00	EA	2.78	HOLLOWAY RM-117	01/30/84			
	14 - 1703.00	PART FOR HELIARC MM-17 IO	36.00	EA	42.84	SANDERS	01/28/84			*
	14 - 2045.00	PART FOR HELIARC MM 17 OR	40.00	EA	75.00	SANDERS	01/28/84			*
	20 - 190.00	CAP, SURGEON, CLOTH, BROW	400.00	EA	504.00	HOLLOWAY	01/04/84			
	20 - 190.00	CAP, SURGEON, CLOTH, BROW	440.00	EA	334.40	CAREY	01/20/84			
	20 - 260.00	COAT, LABORATORY, BROWN	-4.00	EA	-35.00	COORE	01/04/84			
	20 - 260.00	COAT, LABORATORY, BROWN	9.00	EA	83.25	CAREY	01/31/84			
	20 - 845.00	GLOVES, "KEVLAR", JERRY N	144.00	PR	2,139.75	CARNES	01/08/84			
	20 - 845.00	GLOVES, "KEVLAR", JERRY N	144.00	PR	2,131.75	MORGAN	01/10/84			
	24 - 878.00	GLOVE, COTTON, 10 OZ, RNI	288.00	PR	144.91	HOLLOWAY	01/04/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, RNI	300.00	PR	144.48	BOWMAN	01/10/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, RNI	300.00	PR	144.48	SANDERS RM-117	01/30/84			
	20 - 1044.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	BOWMAN	01/09/84	A		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	HOLLOWAY	01/31/84	*		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	RUNNELLS	01/17/44	A		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	COLLAR	01/23/84	*	A	
	20 - 1948.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	JOHNSON	01/20/84	A	*	
	23 - 1188.05	GLOVE, NEOPREME, DRY BOX,	12.00	PR	301.80	HALLFORD	01/20/84		*	
	23 - 1190.00	GLOVE, NEOPREME, DRY BOR,	14.00	PR	533.09	HALLFORD	01/17/84			
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.00	HOLLOWAY	01/13/84	*		

PROGRAM: F2A[illegible]
DATE: 01/11/85

MONTHLY STORES DISBURSEMENT REVIEW

PAGE: 2

COST CONTROL CENTER: D522 - 12[illegible] FUEL PREP - SUB A[illegible]
MANAGER: J W AUNNELS
LOCATION: 321M/RM[illegible]

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESO SION	SEM ITEM	COUNTER PICK UP
5122M55	20 - 1700.90	SOCK, COTTON, WHITE, MENS	-72.35	PR	-60.40		01/[illegible]/86	*		
	20 - 1700.90	SOCK, COTTON, WHITE, MENS	180.30	PR	171.05	JOHNSON	[illegible]	*		*
	21 - 310.32	GLASSES, SAFETY PRESCRIP	1.45	PR	11.62	WALKER	[illegible]			
	21 - 3[illegible].5C	GLASSES, SAFETY PRESCRIP	1.03	PR	11.75	[illegible]	[illegible]			
	21 - 345.05	[illegible] PLAIN LENS WITH	24.C0	PR	65.40	FR[illegible]UK	01/12/[illegible]			
	21 - 365.[illegible]	GLASSES, SAFETY, 5.55 CUR	6.00	PR	51.55	F[illegible] E01	[illegible]			
	21 - 1[illegible]5.C0	HELMET, WELDING, FLIP FAD	6.00	EA	1C2.05	CAPEY	[illegible]			*
	21 - 1578.50	HOLDER, PLASTIC, FOR HOLD	-6.05	EA	-74.89		[illegible]/2[illegible]/[illegible]			
	21 - 1070.50	HOLDER, PLASTIC, FOR HOLD	6.05	EA	74.89	CAPEY	11/20/[illegible]			*
	21 - 1274.95	[illegible], SAFETY, RED AND WHI	1.03	[illegible]	21.05	HE[illegible] RM-1[illegible]	01/22/[illegible]			
	[illegible] - 3[illegible].30	[illegible] CASE A-408,	225.00	GAL	765.00	[illegible]	[illegible]/1[illegible]/85			
	[illegible] - [illegible]93.50	[illegible], ANTIFREEZE,	445.05	GAL	1.031.20	[illegible]	[illegible]/C7/85			
	[illegible] - 1955.55	[illegible], RE[illegible]ATING, 10-02 C	12.00	EA	43.70	HOLLOWAY	01/15/[illegible]			
	[illegible] - 2110.5C	[illegible]ANT, DOOR EASE, STI	30.00	EA	31.32	CAPNES	01/03/[illegible]			
	21 - 275.55	ALUMINUM FOIL, HEAVY DUTY	10.00	RL	455.42	MAL[illegible]00	01/25/85			
	21 - 42[illegible].05	BAG, POLYETHYLENE, 28 X 6	105.[illegible]	EA	1[illegible].35	HOLLOWAY	01/15/[illegible]			
	21 - [illegible]	BAG, POLYETHYLENE, FLAT M	150.00	EA	12.51	[illegible]	01/C2/[illegible]			
	[illegible] - [illegible]	[illegible], BOTTLE, SAFETY,	4.C5	EA	81.77	[illegible]	[illegible]/14/[illegible]			
	[illegible] - 14512.[illegible]	[illegible], WOOD, COFFEE STIRR	6.05	BX	45.35	[illegible]	01/C1/[illegible]			
	[illegible] - [illegible]	[illegible] SAFETY SHOE, STYL	1.00	PR	45.[illegible]	S.ASP[illegible]	01/2[illegible]/85			
	[illegible] - [illegible]	[illegible], 9 1/2 X	1.00	CS	15.75	D[illegible]SON, H.C.	01/C[illegible]/[illegible]			
	31 - 920.55	RIBBON, 15 IN X 20 YD X 6	12.05	EA	148.50	D[illegible]SON, H.S.	01/0[illegible]/[illegible]			
	[illegible] - 925.00	RIBBON, 15 IN X 20 YD X 4	12.00	EA	268.55	[illegible]SON	01/30/85			*
	[illegible] - 1500.[illegible]	RIBBON, HAND-WIND PROCESS	12.30	BX	174.01	PROTEAUX.O RM[illegible]	01/11/85			
	55 - 13455.C5	FILTER, EXHAUST, HEPA, FI	12.00	EA	2.311.60	S. GEISTER	01/17/[illegible]			
	50 - 16455.52	FILTER, EXHAUST, HEPA, FI	20.00	EA	1.158.70	S. GEISTER	01/21/86			
	[illegible] - 17445.[illegible]	FILTER, PANEL, DACRON, 1	24.00	EA	96.00	S. GEISTER	01/1[illegible]/85			
	55 - 17445.32	FILTER, PANEL, DACRON, 1	24.00	EA	96.00	S. GEISTER	01/2[illegible]/80			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 75
TOTAL VALUE OF DISBURSEMENTS: 24.148.29

PROGRAM: F[illegible]
DATE: 01/01/8[illegible]

MONTHLY STORES DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: D552 - SPEC SERV-TOOL GUAGE CONT
MANAGER: P C MAHONEY
LOCATION: 311M/RM120

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESO SION	SEM ITEM	COUNTER PICK UP
0540M00	5 - 040.00	CREAM, INDUSTRIAL, SKIN C	10.00	EA	77.50	GURNEY	01/02/86			
	6 - 4885.00	SAFETY LOCKOUT BOX 5" WID	1.00	EA	81.71	PR CURNEY	71/07/86			
	6 - 4805.80	SAFETY LOCKOUT BOX 1" WID	1.00	EA	05.71	GRIMM RM-165	41/10/86			
	6 - 0500.00	HASP, SAFETY, STEEL 4 1/2	60.00	EA	30.00	PR GURNEY	41/07/06			
	6 - 29350.00	TAG, ALUMINUM, W/WIRE, 1	500.06	EA	90.00	CHESNA	71/21/86			*
	6 - 29670.00	TAPE, FILAMENT, TRANSPARE	4.00	RL	56.77	CRIMM	01/21/E0			*
	6 - 20730.00	TAPE, MASKING, 1 IN.,	10.00	RL	10.40	GURNEY RM-165	01/08/06			
	6 - 20710.00	TAPE, MASKING, 3 IN.,	2.00	RL	7.08	CURNEY	41/30/84			
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	40.08	EA	91.20	GURNEY RM-165	01/10/86			
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	14.00	EA	82.00	GRIMM RM-165	71/10/86			
	5 - 2000.00	DEVICE, SAFETY LOCKING, S	40.00	EA	01.16	GRIMM	41/23/86			*
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	2.00	EA	6.35	GGRIMM	01/24/06			
	5 - 2010.00	FLASHLIGHTS, 5 CELL,	3.00	EA	0.98	GRIMM CTF	01/06/84			
	12 - 327.00	BATTERY, ALKALINE, 1.5 V,	12.00	EA	6.12	GRIMM CTF	01/46/A6			
	12 - 13500.00	LOCK, 1/4 IN SHAFT,	1A.00	EA	44.62	PK CURNEY	01/07/06			
	14 - 6150.00	SHEETING, POLYETHYLENE .0	1.00	RL	50.68	GURNEY	01/08/06			
	20 - 200.00	CAP, CRAZY, SIZE 7 X6005	10.00	EA	10.50	BASNIGHT	01/16/85			
	20 - 209.00	CAP, CRAZY, SIZE 7 66R03	2.00	EA	5.70		71/17/06			
	20 - 213.00	CAP, CRAZY, SIZE 7-1/2 04	4.00	EA	12.20	GRIMM RM-165	01/06/86			
	20 - 470.00	GLOVE, COTTON, 10 OZ, KNI	144.00	PR	00.00	CRIMM CTF	01/04/84			
	20 - 070.00	GLOVE, COTTON, 10 OZ, KNI	200.00	PR	140.01	GRIMM	41/24/84			
	20 - 800.00	GLOVE, COTTON, PRESHRUNK,	144.00	PR	90.72	GRIMM	01/20/8A			
	20 - 050.00	GLOVE, LEATHER CAPESKIN,	24.00	PR	44.66	BASNIGHT	01/14/06	*		
	20 - 975.00	GLOVE, LEATHER, CAPESKIN,	144.00	PR	416.07	CURNEY RM-165	41/10/84	*		
	20 - 075.00	GLOVE, LEATHER, CAPESKIN,	144.00	PR	416.07	BASNIGHT	01/16/86	*		
	20 - 1140.00	GLOVE, SURGICAL, MENS, WH	412.00	PR	221.21	GURNEY	01/08/A6			
	20 - 1100.00	HOOD, ZERO, MED, WEIGHT	25.00	EA	20.56	GRIMM	01/21/86			*
	20 - 1470.00	JACKET, RUBBER, RAIN OR A	14.00	EA	160.40	CHESSNA JC CTF	01/21/84			
	21 - 1605.0A	PADLOCK -SAFETY 1-1/4" LA	16.00	EA	257.7A	GRIMM CTF	01/04/06			
	21 - 1405.00	PADLOCK -SAFETY 1-1/4" LA	40.00	EA	2A6.40	GURNEY RM-165	01/10/06			
	21 - 1405.00	PADLOCK -SAFETY 1-1/4" LA	40.00	EA	2A6.40	GIMMMS	01/21/84			*
	21 - 1620.00	PAD, STEP-OFF, 25 X 18 IN	30.00	EA	49.00	PK CURNEY	01/07/06			
	21 - 1020.00	PAD, STEP-OFF, 25 X 38 IN	100.00	EA	00.00	CHESNA	01/21/06			*
	21 - 1401.07	HOSE 1/8" ID, 50 FT., BRE	10.00	EA	185.10	GRIMM RM-165	01/10/86			
	21 - 1401.07	HOSE 1/8" ID, 50 FT., BRE	2.00	EA	10.02		01/17/84			
	25 - 1820.00	BOTTLE, POLYETHYLENE	30.00	EA	14.04	GRIMM CTF	01/06/06			
	21 - 1830.00	BOTTLE, POLYETHYLENE, F/N	30.00	EA	22.79	GRIMM CTF	01/06/84			
0150M00	2 - 520.80	LUMBER, PINE, YELLOW, 10X	70.08	PC	501.12	HALBROOKS	01/06/06			
	6 - 10145.00	PALLET, HARDWOOD,	50.00	EA	110.90	HALBROOKS	01/06/86			
	6 - 10145.00	PALLET, HARDWOOD,	75.00	EA	774.25	HOLSTON	01/22/A6			
	6 - 10143.00	PALLET, HARDWOOD,	26.00	EA	240.66	HOLSTON	01/27/86			
	6 - 11630.00	UTILITY WIPES, 14 X 24 IN	6.00	CS	197.36	ALL	01/02/85			
	6 - 13980.00	SCREW, CAP, SOCKET HEAD,	30.00	EA	15.50	ALL	01/11/06			*
	6 - 20450.00	SCREW, MACHINE, FLAT HEAD	100.00	EA	1.05	ALL	01/28/06			*
	6 - 20500.00	SCREW, MACHINE, FLAT HEAD	200.00	EA	2.00	ALL	01/20/84			*
	6 - 21150.00	SCREW, SET, SOCKET HEAD,	100.00	EA	2.00	ALL	01/20/06			*

PROGRAM: F245C72C
DATE: 07/28/86

MONTHLY
STORES DISBURSEMENTS REVIEW

COST CONTROL CENTER: D515 - 320M TARGET PREP SUB ACCT
MANAGER: N A BRADY
LOCATION- 320M

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	BEST SIGN	SEN ITEM	COUNTER PICK UP
0828M00	3 - 840.00	CREAM, INDUSTRIAL, SKIN C	5.00	EA	23.25	COWARD	02/18/86			
	3 - 1280.00	ENAMEL, AEROSOL SPRAY PAI	36.00	CAN	54.00	COWART	02/14/86			
	3 - 4180.00	PAINT, INTERIOR, CORRIDOR	1.00	GAL	8.91	COWART	02/04/86			
	4 - 5920.00	CLOTH,CURITY,12 IN.X 18 I	500.00	EA	130.00	COWART BM-5	02/18/86			
	12 - 305.00	BATTERY, 1.5 V, ALKALINE,	24.00	EA	6.24	PANNINGTON, W.H.	02/24/86		*	
	12 - 315.00	BATTERY, ALKALINE, 1.5 V,	1.00	EA	0.81	VINCENT, J	02/04/86		*	
	20 - 10.00	APRON, VINYL PLASTIC, 29	24.00	EA	21.36	COWART, C.	02/10/86			
	21 - 559.50	GLASSES , SAFETY PRESCRIP	1.00	PR	57.15	WATTINE,JE	02/14/86			
	22 - 2120.00	GREASE, SYNTHETIC, SILICO	3.00	EA	24.25	COWART	02/04/86			
	25 - 14915.00	STICK, WOOD, COFFEE STIRR	5.00	BX	31.58	BRANDY	02/18/86			

SUMMARY STATISTICS FOR COST CONTROL CENTER D515

TOTAL NUMBER OF DISBURSEMENTS: 10
TOTAL VALUE OF DISBURSEMENTS: 324.41

MONTHLY
STORES DISBURSEMENTS REVIEW

COST CONTROL CENTER- D522 - 321M FUEL PREP - SUB ACCT
MANAGER: J W BUNNELS
LOCATION- 321M/BMEZY

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	BEST SIGN	SEN ITEM	COUNTER PICK UP
0321MC0	3 - 640.00	BRUSH, SASH TOOL, FLAT, B	12.00	EA	21.24	HOLIDAY	02/22/86		*	
	3 - 720.00	BRUSH, FLAT, TAP SIZE- 1"	12.00	EA	58.68	CARNES	02/22/86		*	
	3 - 730.00	BRUSH, FLAT, TYP SIZE- 3"	12.00	EA	58.68	JOHNSON	02/13/86		*	
	3 - 837.00	COVER, PAINT ROLLER, 1-1/	12.00	EA	39.60	CARNES ID	02/22/86			
	3 - 841.00	COVERS, PAINT ROLLERS, 6"	12.00	EA	11.88	CARNES	02/10/86			
	3 - 847.00	COVERS, PAINT ROLLERS, 6"	48.00	EA	41.52	JOHNSON	02/13/86			
	3 - 1165.00	ENAMEL, FLOOR, DECK & PAT	8.00	GAL	82.16	HOLIDAY	02/14/86			
	3 - 1192.00	ENAMEL, MACHINERY, GREEN	2.00	GAL	24.00	CARNES	02/13/86			
	3 - 1192.00	ENAMEL, MACHINERY, GREEN	2.00	GAL	24.82	JOHNSON	02/13/86			
	3 - 1192.00	ENAMEL, MACHINERY, GREEN	4.00	GAL	49.68	CARNES	02/14/86			
	3 - 1840.00	PAINT, ALUMINUM HEAT-RESI	4.00	GAL	53.60	CARNES	02/18/86			
	3 - 2220.00	POT, PAINT, PLASTIC, WITH	8.00	EA	1.52	BROWN	02/10/86			
	3 - 2221.10	POT, PAINT, PLASTIC, WITH	24.00	EA	22.56	CARNES	02/14/86			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	3 - 2340.00	TRAY, PAINT ROLLER, 11 IN	12.00	EA	15.16	HOLIDAY	02/13/86			
	3 - 4407.20	PAINT, INTERIOR, OFFICE C	4.00	GAL	30.12	CARNES	02/14/86			
	3 - 4407.22	PAINT, INTERIOR, OFFICE G	6.00	GAL	46.60	HOLIDAY	02/22/86			
	3 - 4722.00	PAINT, INTERIOR, OFFICE 6	1.00	GAL	8.02	JOHNSON	02/13/86			
	3 - 4770.00	PAINT, INTERIOR, CORRIDOR	1.00	GAL	8.57	JOHNSON	02/13/86			
	3 - 6222.02	PAINT, IMPRN, ALK, ALERT	2.00	GAL	56.00	CARNES	02/10/86			
	3 - 6230.00	PAINT, IMPRN, ALK, ALERT	1.00	GAL	28.00	JOHNSON	02/13/86			
	3 - 6230.00	PAINT, IMPRN, ALK, ALERT	-5.00	GAL	-64.65	CARNES ID	02/14/86			
	4 - 1422.00	CHAIN , PLASTIC , YELLOW	1,000.00	FT	350.00	CARNES	02/22/86			
	4 - 1620.00	CLOTH,CURITY,12 IN.X 18 I	100.00	EA	22.00	CARNES	02/13/86			
	4 - 2100.00	HOSE GARDEN, BEAST, 3/4 I	2.00	EA	39.99	HALLFORD	02/01/86		*	
	4 - 2510.20	NOZZLE, GARDEN HOSE 3/4 I	5.00	EA	11.06	HALLIFORD	02/27/86			
	4 - 2866.50	TAPE, FILAMENT, TRANSPARE	36.00	RL	126.51	HALLFORD BM-111	02/27/86			
	4 - 2851.10	TAPE, FILAMENT, TRANSPARE	31.00	RL	340.65	HALLFORD PM-111	02/27/86			
	5 - 1712.00	CIDIT BATTERY WATE C-INCH	1.00	EA	18.91	JOHNSON	02/20/86		*	*
	5 - 2777.00	DEVICE, SAFETY 177RTMP, S	50.00	EA	113.05	CARNES	02/11/86			
	5 - 3126.20	CLEANER/REMOVER, EAR PENE	48.00	CAN	172.02	METTINWEATHER	02/21/86			*
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	13 - 6132.00	HAMMER HOLDER, SOFT FACE	12.00	EA	172.62	JOHNSON BM-117	02/24/86			
	13 - 11171.00	TIP, PLASTIC, HAMMER FACE	10.00	EA	41.64	CAREY	02/22/86			
	13 - 11177.00	TIP, PLASTIC, HAMMER FACE	60.00	EA	107.40	CAREY	12/22/86			
	16 - 1724.00	CHART, IPUSH ELECTRONICS	48.00	PE	134.41	METTINWEATHER	02/21/86			*
	22 - 202.05	CAP, CRAZY, SIZE 6-7/8 M4	6.00	EA	11.60	HOLLEY	02/22/86			*
	22 - 205.22	CAP, CRAZY, SIZE 7 AIRCS	6.00	EA	11.18	HOLLEY	02/22/86			*
	22 - 211.22	CAP, CRAZY, SIZE 7-1/8 A4	6.00	EA	13.50	CCLF	02/27/86			*

PPCSB4M: P2A58C2C
DATE: 02/28/84

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 2

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REST SIGN	SEN ITEM	COUNTER PICK UP
0321M00	20 - 211.00	CAP, CRAZY, SIZE 7-1/4 BA	6.00	EA	12.15	MOLLEY	02/20/84			*
	20 - 212.00	CAP, CRAZY, SIZE 7-1/8 BA	4.00	EA	12.10	MOLLY	02/20/84			*
	20 - 865.00	GLOVES, *KEVLAR*, TERRY W	144.00	PR	2,115.75	CARNES	02/11/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, KNI	-12.00	PR	-6.41	SANDERS	02/08/84			
	20 - 110.00	GLOVE, COTTON, LISLE LINE	72.00	PR	14.40	MALLFORD	02/21/84			
	20 - 150.00	GLOVE, LEATHER CAPSKIN,	72.00	PR	111.11	RUNNELLS	02/01/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPSKIN,	72.00	PR	205.20	RUNNELLS	02/06/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPESKIN,	12.00	PR	18.20	RUNNELLS	02/14/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPESKIN,	48.00	PR	114.00	MALLFORD	02/10/84	*	*	*
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	72.00	PR	181.17	RUNNELL	02/05/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.14	RUNNEL	02/04/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	574.14	BOLTMAN RM-117	02/07/84	*	*	
	20 - 1C40.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	MOLLOWAY	02/13/84	*	*	
	20 - 1C40.00	GLOVE, LEATHER PALM, TOP	72.00	PR	187.17	MALLFORD	02/10/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	SANDERS	02/21/84	*	*	*
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	RUNNELL	02/27/84	*	*	*
	20 - 1110.00	GLOVE, SURGICAL, MENS, WH	100.00	PR	78.10	MALLFORD RM-111	02/27/84			
	20 - 1495.00	JACKET, CHOC BROWN, CANVA	1.00	EA	18.35	MALLFORD	02/21/84			
	20 - 1491.C0	JACKET, CHOC BROWN, CANVA	6.00	EA	125.00	MOLLOWAY	02/21/84			
	20 - 1415.00	JACKET, CHOC BROWN, CANVA	1.00	EA	13.12	MALLFORD	02/21/84			
	20 - 1425.00	JACKET, CHOC BROWN, CANVA	1.00	EA	31.41	EDURDO	02/01/84			
	20 - 15AA.00	OVERSHOE, SIORM TYPE, MEN	12.00	PR	81.18	BOLTMAN	02/04/84		*	
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.00	RUNNELLS	02/03/84	*	*	
	20 - 1100.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.10	RUNNELL	02/28/84	*	*	*
	21 - 241.00	PLUG, EAR, HEARING PROTEC	240.00	PR	12.00	SANDERS	02/21/84			*
	21 - 420.00	CLEANING & ANTI FOGGING F	12.00	EA	21.00	CARNES	02/01/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	57.50	MARTIN	02/10/84			
	21 - 534.50	GLASSES , SAFETY PRESCRIP	1.00	PR	37.71	BURTIES&UM.OE	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	11.71	SMITH.TO	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	11.71	SMITH.R	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	17.71	JAMES.AM	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	51.50	HUGHES	02/21/84			
	21 - 010.00	TISSUE,LENS,HEAVY DUTY,MA	10.00	PKG	11.34	CARNES	02/07/84			
	21 - 1065.00	HELMET, WELDING, FLIP FRO	6.00	EA	102.10	SANDERS	02/21/84			*
	21 - 1805.00	PADLOCK ,SAFETY 1-1/4" LA	50.00	EA	158.C1	CAREY	02/11/84		*	
	21 - 1811.30	MUFF, EAR, MAIN REPLACEAB	6.00	EA	28.10	SANDERS	02/21/84			*
	21 - 5270.00	ROPE, SAFETY, YELLOW AND	1.00	RL	23.11	MALLFORD	02/03/84			
	21 - 7540.00	FIRE EXTINGUISHER, DRI CH	1.00	EA	18.12	PO7755	02/21/84	*		
	22 - 00.00	OIL, DU PONT CODE A-40R,	136.00	Gal	176.00	CARNES	02/14/84			
	22 - 1015.00	LUBRICANT, CUTTING AND GR	12.00	Gal	112.11	SANDERS	02/26/84			
	22 - 1510.00	OIL, VACUUM, VERY LOW, *D	12.00	EA	57.11	SANDERS	02/28/84			
	22 - 1540.00	OIL, VACUUM, HIGH, DOW CO	10.00	EA	1,035.20	CARNES	02/10/84			
	23 - 270.00	ALUMINUM FOIL, HEAVY DUTY	12.00	RL	226.61	MALLFORD RM-117	02/27/84			
	23 - 420.00	BAG, POLYETHYLENE, 10 X 4	240.00	EA	51.28	MALLFORD RM-117	02/21/84			
	21 - 120.00	BEAKERS, STAINLESS STEEL,	2.00	EA	21.02	WATKINS	02/20/84			
	05 - 431.00	BEAKERS, STAINLESS STEEL,	2.00	EA	15.34	WATKINS	02/21/84			
	01 - 2400.00	BOILER, SPECIMEN VIAL, 8	8,875.00	EA	348.81	BUKI	02/21/84			
	05 - 400.00	DRAGER, RAPID SMDL, DIV	1.00	PR	35.51	RACHY WIAI7AMS	02/20/84			

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 8

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REST SIGN	SEN ITEM	COUNTER PICK UP
0121M00	25 - 487.00	HY-TEST,SAFETY SHOE, STYL	3.00	PR	48.12	BOESY CARPENTER	02/2C/84			
	25 - 1281.00	RICO SAFETY SHOE STYLE 8	1.00	PR	45.12	W.H.SMITH	C2/25/85			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 17
TOTAL VALUE OF DISBURSEMENTS: 14,211.61

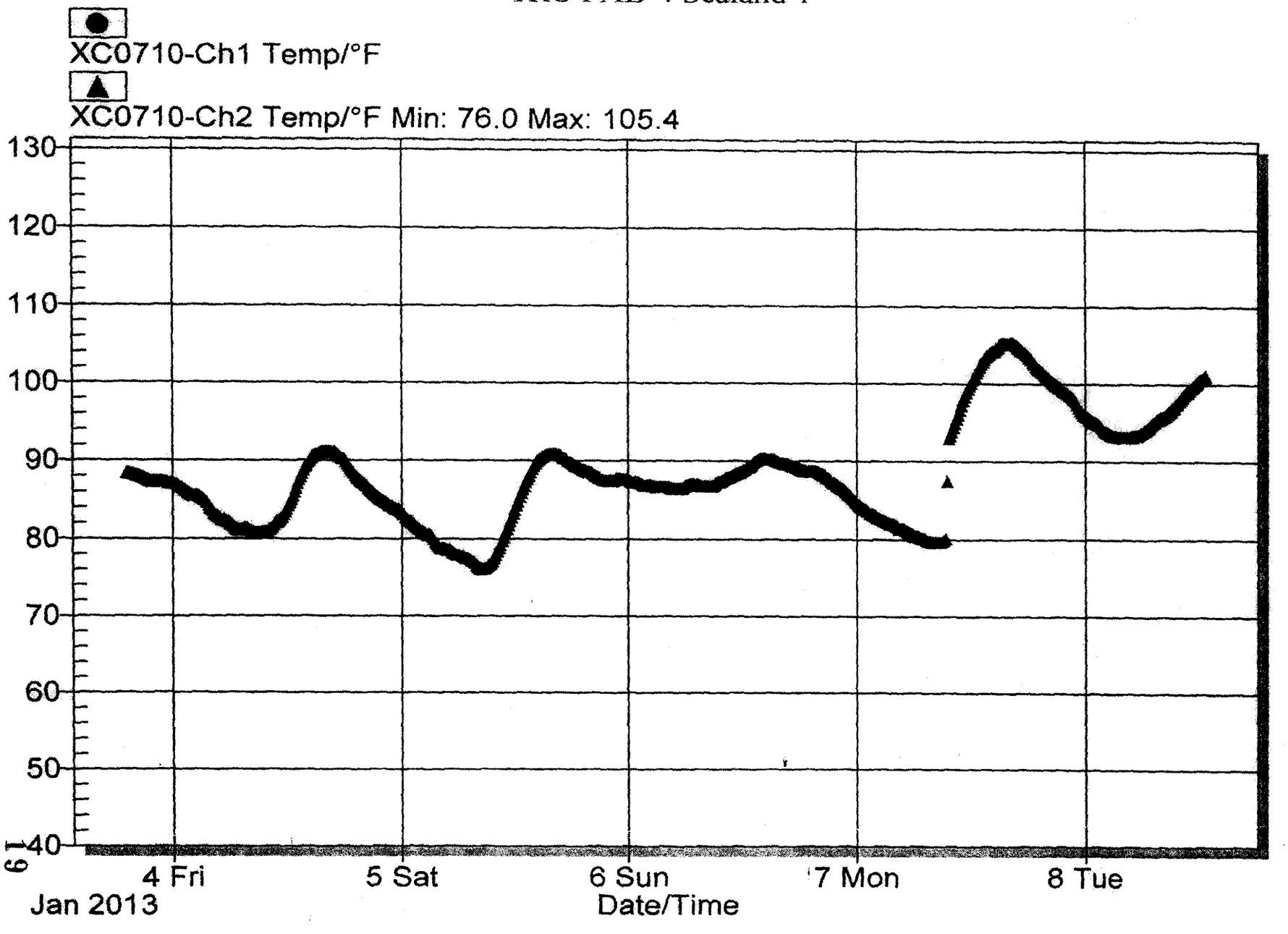
Memo S. L. Tibrea from F. C. Rhode, DPSP-86-71-4, 4/22/86.

CC: D. W. Varn, 703-A, E-110S
J. P. Seymour, 703-45A
J. M. Davis, 703-45A
S. S. Cathey, 703-42A
J. C. Ayers, 320-5M
W. M. Olliff, 703-A, A-109
L. C. Green, 704-M
J. W. Runnels, 321-M
M. T. Hawkins, 321-M
S. P. Rideout, 703-H
A. E. Hadden, 703-A, A-113
D. J. Green, 704-M
S. P. Tinnes, 321-M
M. K. Marsh, 320-5M
Central File, 703-A

FCR:sbw
0718C:0048C

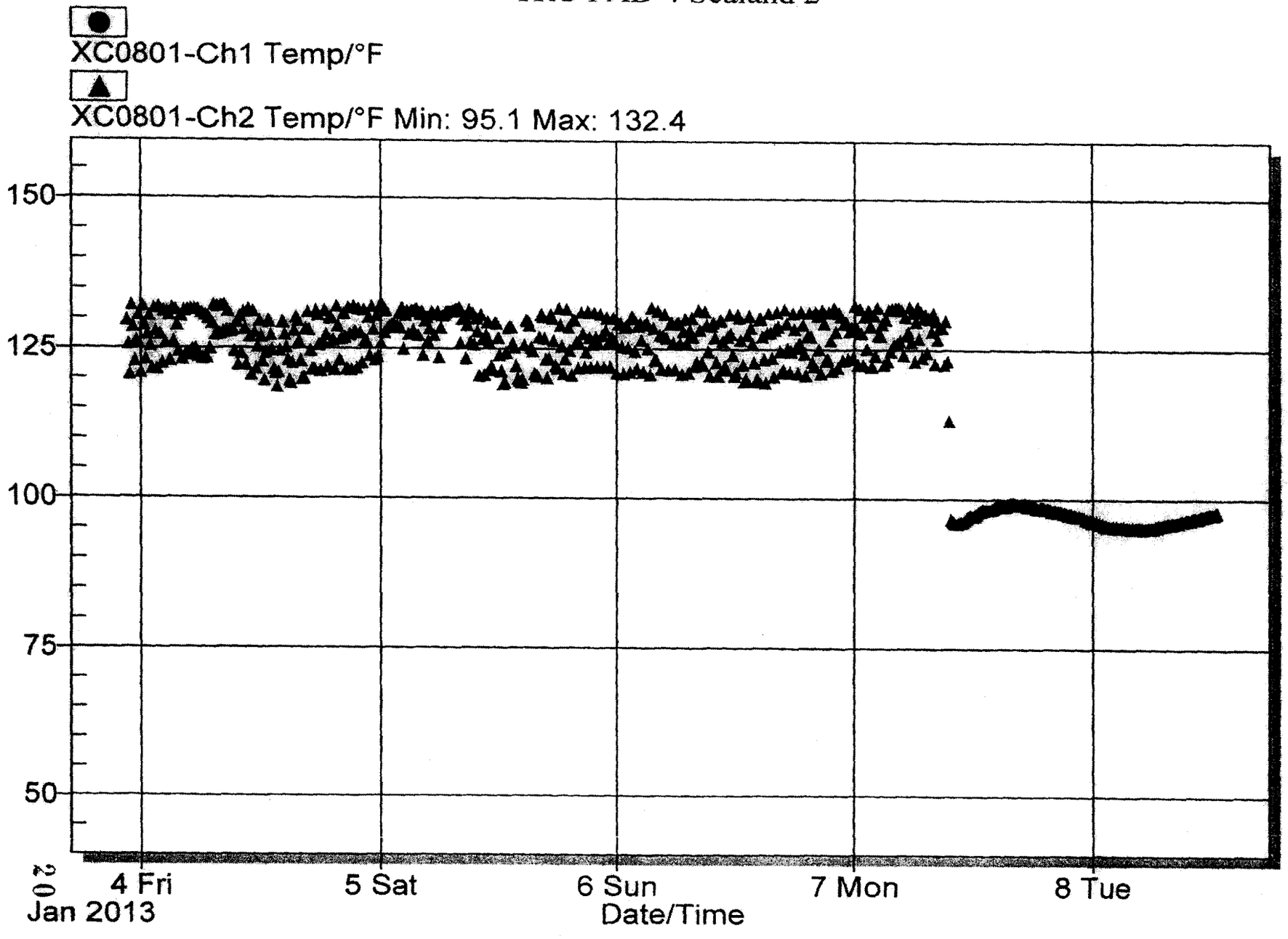
Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 1



Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 2



NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01189
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: May 7, 2013

FROM: C. Soaterna LOCATION: CCP Certification

TO: R. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: RESULTS FOR FIRST QUARTER 2013 (JANUARY 1, 2013 THROUGH MARCH 31, 2013) HEADSPACE GAS SAMPLING QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01158 was issued April 17, 2013. This memorandum identified waste container SR607486, Batch Data Report (BDR) SRHSG1301 as the randomly selected container to be used for DGL repeat review of Headspace Gas Sampling at the Savannah River Site for the first calendar quarter of 2013. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on April 25, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at Extension 7445.

CS:jmc

cc: NWP

V. K. Cannon	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W.P. Tilmon	ED
NTPC Records Custodian	GSA-212

SRS

L. Fox	ED

NTPC RECORDS ORIGINAL
DATE REC'D 6/3/13 (a)

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1301_QTR0113	**Sampling Date: 01/08/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: BC0024 SR607486
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	No NCRs
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4/30/13

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301_QTR0113	**Sampling Date: 01/08/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301_QTR0113	**Sampling Date: 01/08/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301_QTR0113	**Sampling Date: 01/08/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments:None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna	Carolina Soaterna			4/25/2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Page 1 of 1

HSG Sampling Batch Number: SRHSG1301 QTR0113

Section	Contents	Page No.
1.	HSG Sampling Batch Data Report (Attachment 1)	1
2.	Independent Technical Reviewer (ITR) Review Checklist (Attachment2)	2
3.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	4
4.	Copy of Canister Tags	6
5.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report	10
6.	Sample Container Data Form (Attachment 2 from CCP-TP-093)	11
7.	Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082), if applicable	N/A
8.	Shipment Request Form, if applicable	N/A
9.	72-Hour Temperature Equilibration Plots	13
10.	Copy of NCRs, if applicable	N/A
11.	Copy of COA for FRS, if applicable	N/A

Comments: This is the first quarter 2013 Headspace Gas Sampling Quarterly repeat of data generation level review for container SR607486. The duplicate sample container is also being reviewed for proper completion of the ITR checklist.

HSG Independent Technical Reviewer:

Jeremy Robison — Printed Name

Signature

4-23-13 — Date

Jeremy Robison

4-25-13

NTPC RECORDS ORIGINAL
DATE REC'D 04-23-13

01

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1301 QTR0113

Description		YES	NO	NA	Comments
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	✓			
2.	Are calculations correct for the Container Age and temperature equilibrium time, and percent complete?	✓			
3.	Did the waste containers meet the Drum Age Criteria (DAC)?	✓			
4.	Did the waste containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	✓			
5.	Do the temperature plots indicate the waste containers were stored at 18°C (64.5°F) or higher for 72-hours prior to sampling?	✓			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	✓			
6.	Was a Field Duplicate collected once per batch?	✓			
7.	Was a Field Reference Sample (FRS) collected? NA if FRS previously demonstrated the quality assurance objective (QAO) and is no longer required.	JL 4-25-13	✓	✓	
8.	Was a Field Blank collected one per batch prior to sampling waste containers?	✓			
9.	Is the data technically reasonable based upon the technique used?	✓			
10.	Was the sampling equipment checked for leaks after sample collection?	✓			
11.	Was the data generation and reduction conducted in a technically correct manner?	✓			
12.	Was the data reported in proper units and with the correct number of significant figures?	✓			
13.	Were the samples maintained at a temperature between 0°C - 40°C?	✓			

07

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist (Continued)

HSG Sampling Batch Number: SRHSG1301_QTR0113

14.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	✓		
15.	Are the sampling needle assemblies demonstrated to be clean?	✓		
16.	Has the data been reviewed for transcription errors?	✓		
17.	Was all signed and dated, and the data is recorded clearly, legibly, and accurately?	✓		
18.	Are there less than or equal to 20 waste containers in the batch excluding the quality control (QC) samples?	✓		
19.	Is the procedure number and revision correct?	✓		
20.	Were changes to original data lined out, initialed, and dated by the individual making the change, and a justification included? (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)		✓	No data changes

Independent Technical Reviewer:

Printed Name	Signature	Date
Jeremy Robinson		4-23-13
Jeremy Robinson		4-25-13

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 1&2		Sample Matrix is Gas	Ambient Conditions	
		COC Number: SRHSG1301			Temperature (centigrade): 27.0	
					Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	010813	EID13	250	5441570	NA	NA	446C	INHSG1205NB	B	NA	1257	1300	30 in Hg	3 in Hg	JA
SR	010813	EID36	250	5441571	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	1 in Hg	JA
SR	010813	EIA96	250	5441572	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	2 in Hg	JA
SR	010813	EI233	250	5441573	SR607480	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1314	1317	30 in Hg	0 in Hg	JA
SR	010813	EIB85	250	5441574	SR607482	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1316	1320	30 in Hg	3 in Hg	JA
SR	010813	EID95	250	5441575	SR607486	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1321	1325	30 in Hg	1 in Hg	JA
SR	010813	EIC06	250	5441576	SR14706110	SR-HBL-235F-HET	446C	INHSG1205NB	SS	Y	1334	1337	30 in Hg	3 in Hg	JA
SR	010813	EI437	250	5441577	SR54064312	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1335	1339	30 in Hg	0 in Hg	JA
SR	010813	EI021	250	5441578	SR54300702	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1330	1334	29 in Hg	0 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

04
05 JK
4-23-13

Attachment 1 – Chain of Custody/Canister Tag (Continued)

Page 2 of 2

COC Number: SRHSG1301					
Comments:NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 1/8/13
Shipping Tracking # 800118662240	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 1/8/13
		Min /Max Thermometer	723196 723200	7/12/2013 7/12/2013	JA 1/8/13 JA 1/8/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441579		TID Initials and Date: JA 1/8/13			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 1/8/13 1300				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 1/8/13 1600	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

OS
JR
4-23-13

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	1	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: NA

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1257	JH
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 27.0	010813	1300	JH
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: NA

Sampler Signature: JH

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-13)

06
~~07~~ JR
4-23-13

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	3	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRH561301 **Drum Number:** BC00024

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	JA
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1310	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes:
(1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-03)

07
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4-23-13

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	A	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: BC0024

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	~~M~~
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 27.0	010813	1310	~~M~~
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

08
~~09~~ JR
4-23-13

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRUSG1301 Drum Number: SR607486

Sampling Organization: CEP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1321	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1335	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-03)

09
~~12~~ JR
4-23-13

From:	Catherine A Crowder
To:	Dale A. Dower; charles.turner@wipp.ws
Subject:	Needle Assembly Blanks
Date:	Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

10
~~16~~ JR
4-23-13

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1301

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/m²)	Package Configuration Group No.
1	BC0024	3	S5000	Y	Y	0.3	4	2	NucFil-019DS	1	3.7×10^{-6}	3
2	SR607480	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
3	SR607482	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	SR607486	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
5	SR14706110	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
6	SR54064312	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
7	SR54300702	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

11
47 SR
4-23-13

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1301

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 & XC0710 Temperature Recorder Calibration Due Date: 3/7/13 & 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BC0024	8/18/1999	8/18/1999	175	4892	75	Y	1/5/13 1250	1/8/13 1250
2	SR607480	6/7/2012	6/7/2012	16	215	60	Y	1/5/13 1250	1/8/13 1250
3	SR607482	6/11/2012	6/11/2012	16	211	60	Y	1/5/13 1250	1/8/13 1250
4	SR607486	6/7/2012	6/7/2012	16	215	90	Y	1/5/13 1250	1/8/13 1250
5	SR14706110	7/27/2012	10/24/2012	56	76	80	Y	1/5/13 1250	1/8/13 1250
6	SR54084312	8/25/2012	11/7/2012	56	62	100	Y	1/5/13 1250	1/8/13 1250
7	SR54300702	7/24/2012	10/25/2012	56	75	95	Y	1/5/13 1250	1/8/13 1250
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

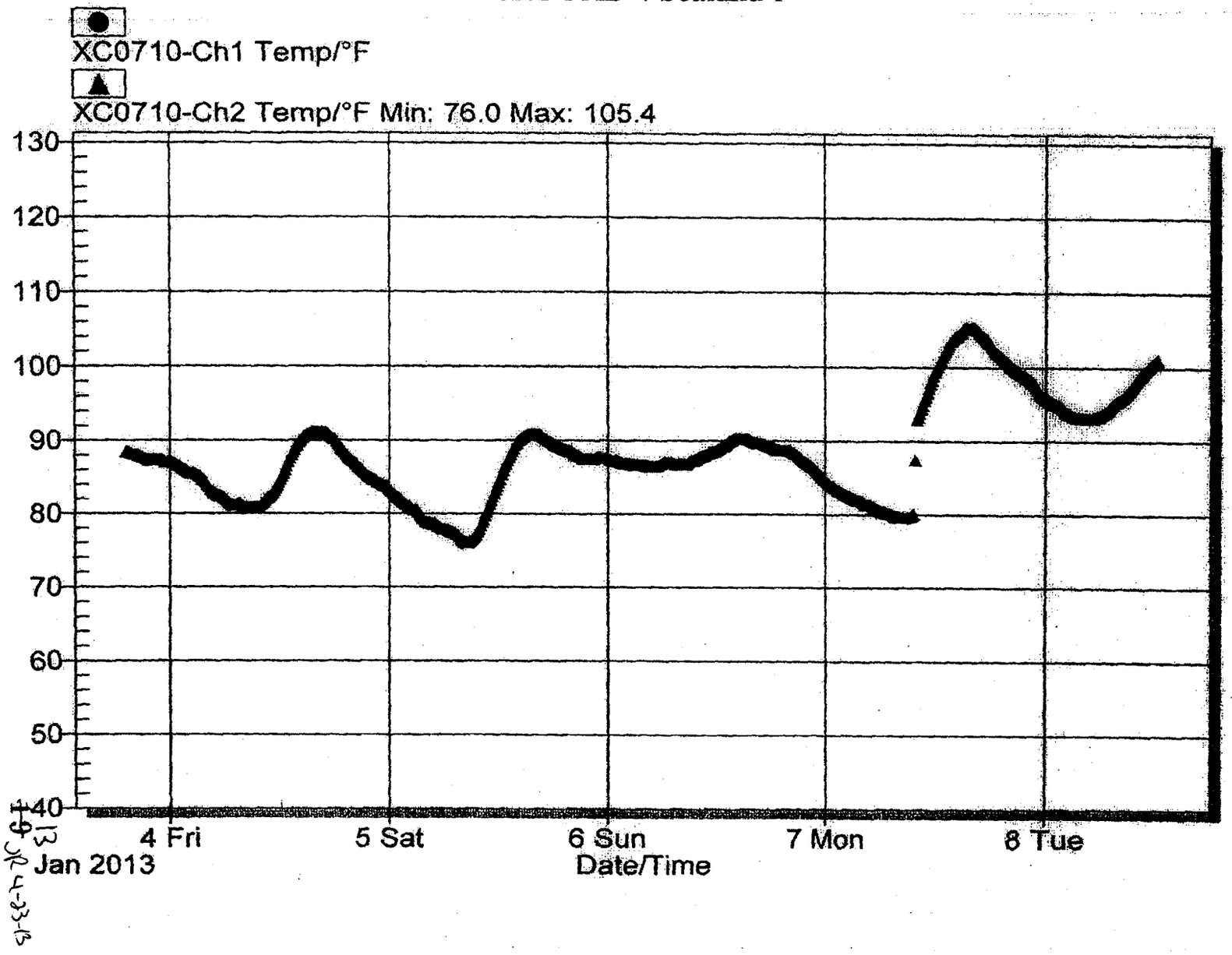
Signature

1/8/13
Date

JR 4-3-13

Downloaded Data - Tuesday, January 08, 2013

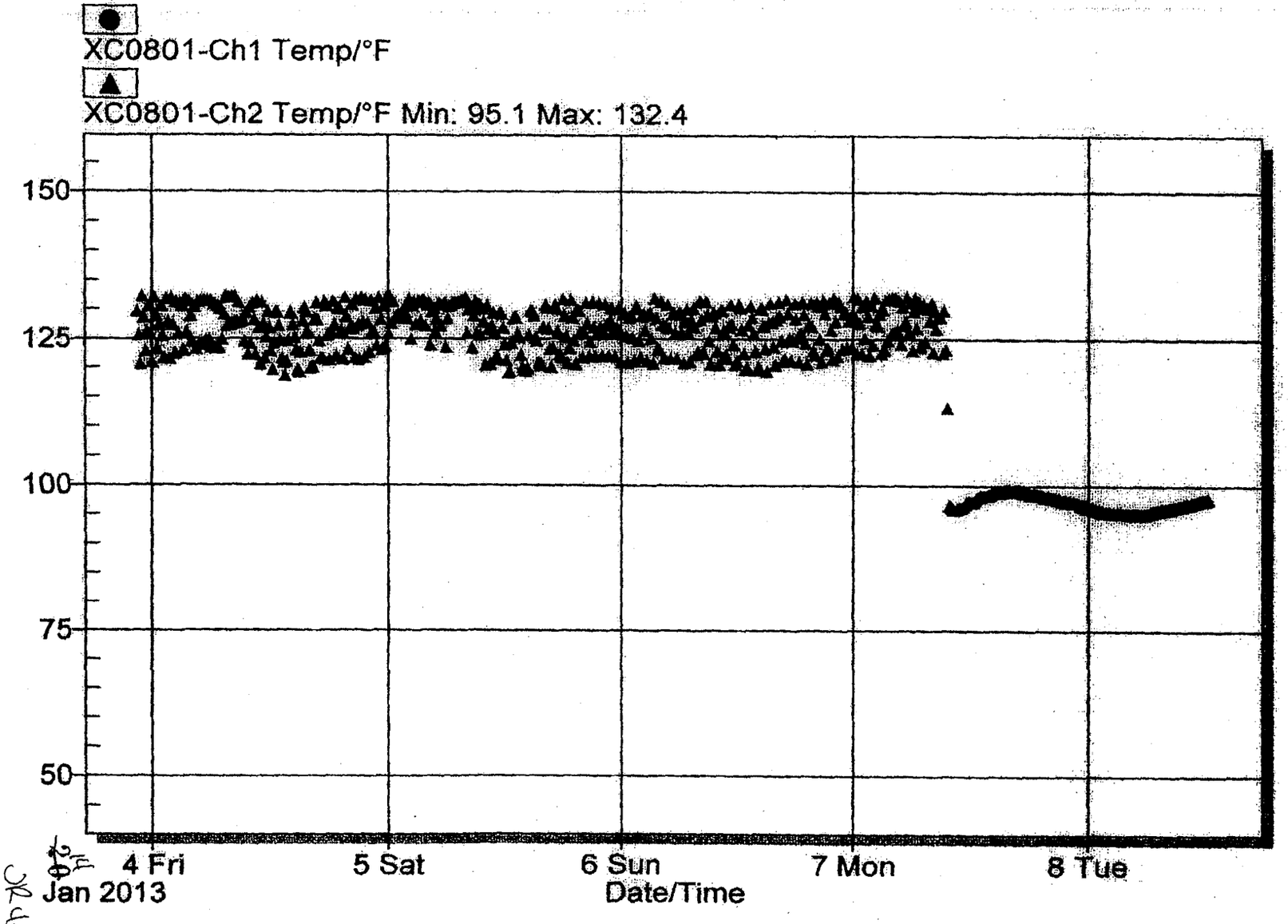
TRU PAD 4 Sealand 1



#49 JR 4-23-13

Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 2



OK 4-23-13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	05-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1301_QTR0113	HSG_SUMMA SAMPLING QUARTERLY BDR – 1ST QTR 2013	04/23/13	14
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [-]	Signature	Leon Navarrete Printed Name	5/14/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

```
                    **********************
                    ***   TX REPORT    ***
                    **********************

          TRANSMISSION OK

          TX/RX NO                  0185
          DESTINATION TEL #         918032081690
          DESTINATION ID            SRS
          ST. TIME                  05/14 07:28
          TIME USE                  00'16
          PAGES SENT                  1
          RESULT                    OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	05-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1301_QTR0113	HSG_SUMMA SAMPLING QUARTERLY BDR – 1ST QTR 2013	04/23/13	14
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01456
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 10, 2013

FROM: J. W. Houghton LOCATION: CCP Certification

TO: R. W. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: THIRD QUARTER 2013 (JULY 1, 2013 THROUGH SEPTEMBER 30, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

The Savannah River Site has completed data generation level (DGL) review, validation, and verification of Nondestructive Examination (NDE) results for containers processed during the third quarter of 2013 (July 1, 2013 through September 30, 2013). Container number SR523949, Batch Data Report (BDR) SRLBR0106 was randomly selected from all the containers processed for NDE analysis during this time frame. The data from this container and other pertinent documents are incorporated into a modified BDR (attachment) and will be used for the Quarterly Repeat of DGL Data Review, validation, and Verification, as described in CCP-TP-001, CCP Project Level Data Validation and Verification, to document DGL data review, validation, ad verification are being performed in accordance with applicable procedures.

Please assign qualified DGL personnel to review the submitted data and complete the BDR by generating a new Table of Contents, BDR Cover Sheet, BDR Narrative and applicable DGL checklists. Please have the data reviewed and the BDR completed and returned to the National TRU Program Certification Records Department by October 29, 2013.

If you have any questions, please call me at Extension 7124.

JWH:jmc

Attachment

cc: NWP
(without attachment)
V. K. Cannon ED
M. F. Ramirez ED
P. S. Muse ED
M. W. Pearcy ED

(with attachment)
W. P. Tilmon ED
NTPC Records Custodian GSA-212

SRS
(with attachment)
L. Fox ED

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS JH 10-10-13

Batch Data Report No.: SRLBR0106QTR20313 ☑ CH ☐ RH Date: 08/26/13

Waste Container ID Numbers	
Replicate Scan:	SR518667I
Independent Observation:	SWD12281
1	~~WMPSLB054A~~ JH 10-10-13
2	SR518667I
3	~~PAD12TMP1I~~ JH 10-10-13
4	~~WMPSLB054B~~ JH 10-10-13
5	~~PAD12TMP1A~~ JH 10-10-13
6	~~SR668976E~~ JH 10-10-13
7	SWD12281
8	~~SR668976D~~ JH 10-10-13
9	~~SR518667A~~ JH 10-10-13
10	SR523949
11	~~TEMP18D~~ JH 10-10-13
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Byron Gelderman — Printed Name; Signature; 08/26/13 — Date

Independent Technical Reviewer: John Brookshire — Printed Name; John Brookshire — Signature; 8/27/13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 08-28-13

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/21/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	08/21/13 Date

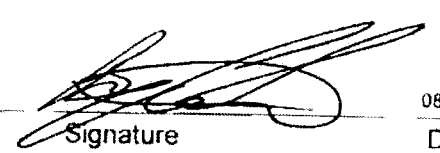
3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/22/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		

RTR Operator:

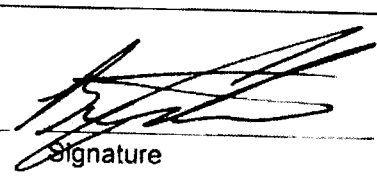
Byron Gelderman — Printed Name

 — Signature

08/22/13 — Date

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/26/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	 Signature	08/26/13 Date

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/21/2013
Waste Container ID:	SR518667I
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 446.0 kg Tare Wt.: 290.0 kg Net Wt.: 156.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

4

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal drum open, hand tool, metal drum lid and ring, electrical device

AM:

OM:

OI: Absorbent

C: Mop heads, fiberboard liner, tape

R: Rubber gloves

XPM: Plastic bags, air hose/fittings, nylon chokers, plastic suits, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM)	31.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C)	14.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	106.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	156.0

S

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR518667I

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e , waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments:

The Replicate Scan is in agreement with the operators original scan. GNK 8-21-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/21/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/22/2013
Waste Container ID:	SWD12281
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 497.0 kg Tare Wt.: 290.0 kg Net Wt.: 207.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

7

CCP Radiography Data Sheet

Waste Container ID: SWD12281

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal drums vented/open, hand tool, metal hardware
AM:	
OM:	
OI:	
C:	Fiberboard liner, mop heads, cardboard
R:	Rubber gloves
XPM:	Air hose/fittings, plastic sheeting, plastic bags, nylon chokers, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	88.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	15.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	102.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	207.0

8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12281

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments:

This Independent Observation agrees with the original operator. 8/22/13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/22/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0106	
Examination Date:	8/21/2013	
Waste Container ID:	SR518667I	
Video/Audio Recorded Media Number:	SRLBR0106	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 446.0 kg Tare Wt.: 290.0 kg Net Wt.: 156.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR518667I

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Hand tools, metal drum vented, drum lid, drum ring, electrical device

AM:

OM:

OI: Absorbent

C: Mop heads, fiberboard liner, tape

R: Rubber gloves

XPM: Plastic sheeting, air hose, nylon chokers, plastic bags, plastic suits, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	30.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	13.4
Rubber (R):	2.6
Plastics (waste materials) (XPM):	109.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	156.0

14

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment Block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

8/21/2013 — Date

RTR Data Sheet.xls SCO# 1189 Ver. 2
Microsoft Excel 2003 Windows XP

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0106	
Examination Date:	8/22/2013	
Waste Container ID:	SWD12281	
Video/Audio Recorded Media Number:	SRLBR0106	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 497.0 kg Tare Wt.: 290.0 kg Net Wt.: 207.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

28

CCP Radiography Data Sheet

Waste Container ID: SWD12281

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal drums vented, hand tool, metal hardware
AM:	
OM:	
OI:	
C:	Fiberboard liner, wood, mop heads
R:	Rubber gloves
XPM:	Air hose, plastic sheeting, nylon chokers, plastic bags, plastic suits, absorbent pads
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	86.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	12.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	107.6
Organic Matrix (OR)	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	207.0

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12281

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

8/22/2013 — Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/26/2013
Waste Container ID:	SR523949
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 434.0 kg Tare Wt.: 290.0 kg Net Wt.: 144.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

37

CCP Radiography Data Sheet

Waste Container ID: SR523949

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal drum lid and ring, open metal drum, metal containers, scrap metal, hand tool
AM:	
OM:	
OI:	Absorbent
C:	Fiberboard liner, wood
R:	Rubber gloves
XPM:	Air hose, plastic sheeting, plastic suits, nylon chokers, plastic bags, plastic tubing
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	29.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.0
Cellulosics (C):	31.0
Rubber (R):	4.2
Plastics (waste materials) (XPM):	78.5
Organic Matrix (OR):	
Inorganic Matrix (IN)	
Soils (S):	
Total WMP Weight:	144.0

CCP Radiography Data Sheet

Waste Container ID: SR523949

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Byron Gelderman		8/26/2013
Print Name	Signature	Date

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01496
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 24, 2013

FROM: J.W. Houghton LOCATION: CCP Certification

TO: R. W. Lee ED LOCATION: CCVP Operations
Savannah River Site

SUBJECT: RESULTS FOR THIRD QUARTER 2013 (JULY 1, 2013 THROUGH SEPTEMBER 30, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01456 was issued October 10, 2013. This memorandum identified waste container SR523949, Batch Data Report (BDR) SRLBR0106 as the randomly selected container to be used for DGL repeat review of Nondestructive Examination at the Savannah River Site for the third calendar quarter of 2013. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on October 17, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at Extension 7125.

cc: NWP Distribution

V. K. Cannon	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W. P. Tilmon	ED
NTPC Records Custodian	GSA-212

SRS Distribution

L. Fox	ED

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0106QTR0313 **Examination Date(s):** August 21,22,26, 2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: SR518667I SWD12281 SR523949
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**			X	
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 10/18/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0106QTR0313 **Examination Date(s):** August 21,22,26, 2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0106QTR0313 **Examination Date(s):** August 21,22,26, 2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weights obtained independent of RTR.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weights obtained independent of RTR.

Comments: None

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Joshua Hougthon		10/17/2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5–CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0106QTR0313 ☑ CH ☐ RH Date: 10/15/13

Waste Container ID Numbers	
Replicate Scan:	SR518667I
Independent Observation:	SWD12281
1	SR518667I
2	SWD12281
3	SR523949
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator:

Byron Gelderman — Printed Name

Signature

10/15/13 — Date

Independent Technical Reviewer:

John Brookshire — Printed Name

John Brookshire — Signature

10/15/13 — Date

1

NTPC RECORDS ORIGINAL
DATE RECD 10-16-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0106QTR0313 Date: 10/15/13

Table Of Contents

Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	19

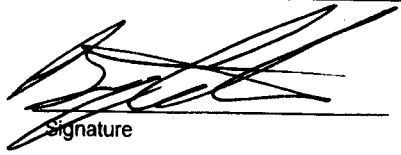
Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

The original BDR SRLBR0106 was processed on 08/21/13 through 08/26/13 and was used in reference to this Third Quarterly Report for 2013.

The Original BDR was performed under CCP-TP-053 Rev.13. This Quarterly Report was performed under CCP-TP-053 Rev.14.

Byron Gelderman
RTR Operator

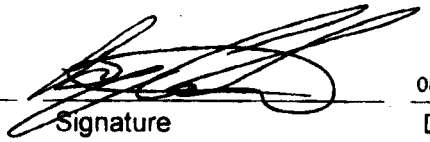

Signature

10/15/13
Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/21/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	08/21/13 Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/22/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Byron Gelderman		08/22/13
Printed Name	Signature	Date

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0106		
Examination Date: 08/26/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	08/26/13 Date

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/21/2013
Waste Container ID:	SR518667I
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 446.0 kg Tare Wt.: 290.0 kg Net Wt.: 156.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

4

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal drum open, hand tool, metal drum lid and ring, electrical device

AM:

OM:

OI: Absorbent

C: Mop heads, fiberboard liner, tape

R: Rubber gloves

XPM: Plastic bags, air hose/fittings, nylon chokers, plastic suits, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	31.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	14.0
Rubber (R):	4.0
Plastics (waste materials) (XPM):	106.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	156.0

5

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments:
The replicate scan is in agreement with the operator's original scan. GNK 8-21-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/21/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/22/2013
Waste Container ID:	SWD12281
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 497.0 kg Tare Wt.: 290.0 kg Net Wt.: 207.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

7

CCP Radiography Data Sheet

Waste Container ID: SWD12281

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drums vented/open, hand tool, metal hardware

AM:

OM:

OI:

C: Fiberboard liner, mop heads, cardboard

R: Rubber gloves

XPM: Air hose/fittings, plastic sheeting, plastic bags, nylon chokers, plastic suits

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	88.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	15.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	102.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	207.0

8

CCP Radiography Data Sheet

Waste Container ID: SWD12281

Section 5: RTR Summary (Questions answered 'Yes' will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments:

This Independent Observation agrees with the original operator. dbull 8/22/13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/22/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/21/2013
Waste Container ID:	SR518667I
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 446.0 kg Tare Wt.: 290.0 kg Net Wt.: 156.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

BWG 10-15-13

13 10

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Hand tools, metal drum vented, drum lid, drum ring, electrical device

AM:

OM:

OI: Absorbent

C: Mop heads, fiberboard liner, tape

R: Rubber gloves

XPM: Plastic sheeting, air hose, nylon chokers, plastic bags, plastic suits, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	30.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	13.4
Rubber (R):	2.6
Plastics (waste materials) (XPM):	109.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	156.0

BWG 10-15-1

14 11

CCP Radiography Data Sheet

Waste Container ID: SR518667I

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Byron Gelderman		8/21/2013
Print Name	Signature	Date

BWG 10-15-13

15 12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/22/2013
Waste Container ID:	SWD12281
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 497.0 kg Tare Wt.: 290.0 kg Net Wt.: 207.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

BWG 10-15-13

28 13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12281

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drums vented, hand tool, metal hardware

AM:

OM:

OI:

C: Fiberboard liner, wood, mop heads

R: Rubber gloves

XPM: Air hose, plastic sheeting, nylon chokers, plastic bags, plastic suits, absorbent pads

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	86.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	12.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	107.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	207.0

BJC 10-15-13

29 14

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SWD12281

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

8/22/2013 — Date

BdG 10-15-13

30 15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0106
Examination Date:	8/26/2013
Waste Container ID:	SR523949
Video/Audio Recorded Media Number:	SRLBR0106 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 434.0 kg Tare Wt.: 290.0 kg Net Wt.: 144.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

BWG 8-15-13

37 16

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523949

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum lid and ring, open metal drum, metal containers, scrap metal, hand tool

AM:

OM:

OI: Absorbent

C: Fiberboard liner, wood

R: Rubber gloves

XPM: Air hose, plastic sheeting, plastic suits, nylon chokers, plastic bags, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	29.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.0
Cellulosics (C):	31.0
Rubber (R):	4.2
Plastics (waste materials) (XPM):	78.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	144.0

BwG 10-15-13

3817

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523949

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: Byron Gelderman (Print Name) — (Signature) — 8/26/2013 (Date)	

BGG 10-15-13

39 18

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0106QTR0313

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13 & 14	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0106QTR0313

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2?	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2?	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A JMB 10/15/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	10/15/13
Printed Name	Signature	Date

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01309
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: July 15, 2013

FROM: C. Soaterna C. Soaterna LOCATION: Certification

TO: R. Lee ED LOCATION: Savannah River Site

SUBJECT: SECOND QUARTER 2013 (APRIL 1, 2013 THROUGH JUNE 30, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

The Savannah River Site has completed data generation level (DGL) review, validation, and verification of Nondestructive Examination (NDE) results for containers processed during the second quarter of 2013 (April 1, 2013 through June 30, 2013). Container number HBL120114, Batch Data Report (BDR) SR4RTR0340 was randomly selected from all the containers processed for NDE analysis during this time frame. The data from this container and other pertinent documents are incorporated into a modified BDR (attachment) and will be used for the Quarterly Repeat of DGL Data Review, validation, and Verification, as described in CCP-TP-001, CCP Project Level Data Validation and Verification, to document DGL data review, validation, ad verification are being performed in accordance with applicable procedures.

Please assign qualified DGL personnel to review the submitted data and complete the BDR by generating a new Table of Contents, Batch Data Report Cover Sheet, BDR Narrative and applicable DGL checklists. Please have the data reviewed and the BDR completed and returned to the Central Characterization Program Records Department by July 31, 2013.

If you have any questions, please call me at Extension 7445.

CS:jmc

Attachment

cc: NWP

(without attachment)

V. K. Cannon	ED
J. W. Houghton	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B.S. Schrock	ED

(with attachment)

W. P. Tilmon	ED
NTPC Records Custodian	GSA-212

SRS

(with attachment)

L. Fox	ED

NTPC RECORDS ORIGINAL
DATE REC'D 08/06/13

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS PJ 7/15/13

Batch Data Report No.: SR4RTR0340 ~~07112013~~ ☑ CH ☐ RH Date: 5/30/13

Waste Container ID Numbers	
Replicate Scan:	HBL120119
Independent Observation:	HBL120120
1	~~HBL120111~~ PJ 7/15/13
2	~~HBL120109~~ PJ 7/15/13
3	~~HBL120121~~ PJ 7/15/13
4	~~HBL120106~~ PJ 7/15/13
5	HBL120120
6	HBL120119
7	HBL120114
8	~~HBL120122~~ PJ 7/15/13
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Byron Gelderman — Printed Name | Signature | 5/30/13 — Date

Independent Technical Reviewer: John Brookshire — Printed Name | John Brookshire — Signature | 6/3/13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 06-03-13

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0340		
Examination Date: 5/30/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	5/30/13 Date

3

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120119
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 148.0 kg Tare Wt.: 145.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	103.4
Plastics (PP):	6.6
Other:	35.9
Total Packaging Weight	145.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

5

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 5: RTR Summary (Questions answered "Yes" will be explained in the comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan Agrees with The original Scan. 5-30-13

RTR Operator:

Steve Redmond		5/30/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120120
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

7

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

8

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation Agrees with the original scan. 5-30-13

RTR Operator:

Steve Redmond		5/30/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120120
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

22

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

23

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: Byron Gelderman (Print Name) — (Signature) — 5/30/2013 (Date)	

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120119
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 148.0 kg Tare Wt.: 145.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

25

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	103.4
Plastics (PP):	6.6
Other:	35.9
Total Packaging Weight	145.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Byron Gelderman		5/30/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120114
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

28

CCP Radiography Data Sheet

Waste Container ID: HBL120114

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

29

CCP Radiography Data Sheet

Waste Container ID: HBL120114

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	
RTR Operator: Byron Gelderman (Print Name) — Signature — 5/30/2013 (Date)	

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01362
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: August 9, 2013

FROM: C. Soaterna C Soaterna — LOCATION: CCP Certification

TO: R. W. Lee ED — LOCATION: CCP Operations, Savannah River Site

SUBJECT: RESULTS FOR SECOND QUARTER 2013 (APRIL 1, 2013 THROUGH JUNE 30, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01309 was issued July 15, 2013. This memorandum identified waste container HBL120114, Batch Data Report (BDR) SR4RTR0340 as the randomly selected container to be used for DGL repeat review of Nondestructive Examination at the Savannah River Site for the second calendar quarter of 2013. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on July 30, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at Extension 7445.

CS:jmc

cc: NWP Distribution

V. K. Cannon	ED
J. W. Houghton	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
W. P. Tilmon	ED
NTPC Records Custodian	GSA-212

SRS Distribution

L. Fox	ED

NTPC RECORDS ORIGINAL
DATE REC'D 10/03/13 (2)

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0340QTR0213				Examination Date(s): 5/30/2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: HBL120120 HBL120119 HBL120114
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**			X	
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 08/02/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0340QTR0213				Examination Date(s): 5/30/2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**			X	No liquid.
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0340QTR0213	**Examination Date(s): 5/30/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna	Carolina Soaterna			7/30/2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0340QTR0213 ☑ CH ☐ RH Date: 07/25/13

Waste Container ID Numbers	
Replicate Scan:	HBL120119
Independent Observation:	HBL120120
1	HBL120120
2	HBL120119
3	HBL120114
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Byron Gelderman — Printed Name | Signature | 07/25/13 — Date

Independent Technical Reviewer:
John Brookshire — Printed Name | John Brookshire — Signature | 7/25/13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 07-25-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0340QTR0213 Date: 07/25/13

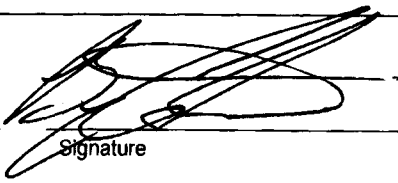
Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	19

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

The original BDR SR4RTR0340 was processed on 05/30/13 and was used in reference to this second Quarterly Report for 2013.

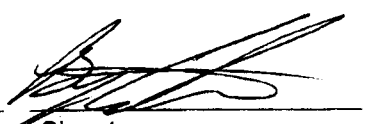
Byron Gelderman — RTR Operator



Signature

07/25/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0340		
Examination Date: 5/30/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman		5/30/13
Printed Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120119
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 148.0 kg Tare Wt.: 145.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	103.4
Plastics (PP):	6.6
Other:	35.9
Total Packaging Weight	145.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

5

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan Agrees with The original Scan.
5-30-13

RTR Operator:

Steve Redmond		5/30/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120120
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

8

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independant observation Agrees with the original scan. 5-30-13

RTR Operator:

Steve Redmond		5/30/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120120
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

BWG 7-25-13

22 10

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

BWG 7-25-13

2311

CCP Radiography Data Sheet

Waste Container ID: HBL120120

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment Block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman — Print Name

Signature

5/30/2013 — Date

BWG 7-25-13

2412

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120119
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 148.0 kg Tare Wt.: 145.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

BWG 7-25-13

~~25~~ 13

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	103.4
Plastics (PP):	6.6
Other:	35.9
Total Packaging Weight	145.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

BWG 7-25-13

2614

CCP Radiography Data Sheet

Waste Container ID: HBL120119

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment Block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman		5/30/2013
Print Name	Signature	Date

BWG 7-25-13

27 15

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0340
Examination Date:	5/30/2013
Waste Container ID:	HBL120114
Video/Audio Recorded Media Number:	SR4RTR0340 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

BWC 7-25-13

28 16

CCP Radiography Data Sheet

Waste Container ID: HBL120114

Section 3: Container Inventory and Comments (Detailed descriptors)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

BWG 7-25-13

2917

CCP Radiography Data Sheet

Waste Container ID: HBL120114

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman		5/30/2013
Print Name	Signature	Date

BWG 7-25-13

20 18

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0340QTR0213

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0340QTR0213

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A JMB 7/25/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	7/25/13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

NOT PART OF PAGE COUNT

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0340QTR0213	RTR QUARTERLY BDR – 2nd QUARTER 2013	07/25/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	08/05/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1413
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	08/05 07:25
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0340QTR0213	RTR QUARTERLY BDR – 2nd QUARTER 2013	07/25/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01159
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 17, 2013

FROM: C. Soaterna LOCATION: CCP Certification

TO: R. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: FIRST QUARTER 2013 (JANUARY 1, 2013 THROUGH MARCH 31, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

The Savannah River Site has completed data generation level (DGL) review, validation, and verification of Nondestructive Examination (NDE) results for containers processed during the first quarter of 2013 (January 1, 2013 through March 31, 2013). Container number HBL120094, Batch Data Report (BDR) SR4RTR0323 was randomly selected from all the containers processed for NDE analysis during this time frame. The data from this container and other pertinent documents are incorporated into a modified BDR (attachment) and will be used for the Quarterly Repeat of DGL Data Review, validation, and Verification, as described in CCP-TP-001, CCP Project Level Data Validation and Verification, to document DGL data review, validation, and verification are being performed in accordance with applicable procedures.

Please assign qualified DGL personnel to review the submitted data and complete the BDR by generating a new Table of Contents, Batch Data Report Cover Sheet, BDR Narrative and applicable DGL checklists. Please have the data reviewed and the BDR completed and returned to the Central Characterization Project Records Department by April 30, 2013.

If you have any questions, please call me at Extension 7445.

CS:jmc

Attachment

cc: NWP

(without attachment)

V. K. Cannon	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W. P. Tilmon	ED

(with attachment)

NTPC Records Custodian	GSA-212

SRS

(with attachment)

L. Fox	ED

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0323 CH20113 ☑ CH ☐ RH Date: 3/12/13

CS 4/16/13

Waste Container ID Numbers	
Replicate Scan:	HBL120499
Independent Observation:	HBL120502
1	~~HBL120100~~ CS 4/16/13
2	~~HBL120098~~ CS 4/16/13
3	~~HBL120087~~ CS 4/16/13
4	~~HBL120086~~ CS 4/16/13
5	HBL120094
6	~~HBL120093~~ CS 4/16/13
7	~~HBL120509~~ CS 4/16/13
8	~~HBL120517~~ CS 4/16/13
9	~~HBL120513~~ CS 4/16/13
10	~~HBL120516~~ CS 4/16/13
11	~~HBL120507~~ CS 4/16/13
12	~~HBL120515~~ CS 4/16/13
13	~~HBL120504~~ CS 4/16/13
14	~~HBL120498~~ CS 4/16/13
15	~~HBL120501~~ CS 4/16/13
16	HBL120502
17	HBL120499
18	~~HBL120505~~ CS 4/16/13
19	~~HBL120503~~ CS 4/16/13
20	~~HBL120500~~ CS 4/16/13

RTR Operator: Steve Redmond — Printed Name | Signature | 3/12/13 — Date

Independent Technical Reviewer:
SUE BRADLEY — Printed Name
Sue Bradley — Signature
3/16/13 — Date
Sue Bradley 3/26/13

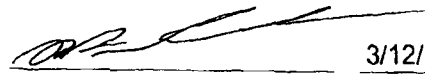
NTPC RECORDS ORIGINAL
DATE REC'D 03-19-13

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0323		
Examination Date: 3/11/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	3/11/13 (Date)

3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0323		
Examination Date: 3/12/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond		3/12/13
Printed Name	Signature	Date

3A

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120499
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

5

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan is in agreement with the original operator's scan. JB 3/12/13

RTR Operator:

John Brookshire	John Brookshire	3/12/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120502
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

7

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120502

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120502

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation is in agreement with the original operator's scan. JAB 3/12/13

RTR Operator:

John Brookshire	John Brookshire	3/12/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0323	
Examination Date:	3/11/2013	
Waste Container ID:	HBL120094	
Video/Audio Recorded Media Number:	SR4RTR0323	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data		
Container Type:	55 Gallon Drum	
TRUCON Code:	SR 125	
Waste Matrix Code:	S5100	
Waste Stream I.D.:	SR-221H-PuOx	
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg	
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes	
Number of Layers of Confinement:	Appears to be 2 layers	
Volume Utilization Percentage:	35 %	

22

CCP Radiography Data Sheet

Waste Container ID: HBL120094

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

23

CCP Radiography Data Sheet

Waste Container ID: HBL120094

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/11/2013
Print Name	Signature	Date

24

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120502
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

55

CCP Radiography Data Sheet

Waste Container ID: HBL120502

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

56

CCP Radiography Data Sheet

Waste Container ID: HBL120502

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		3/12/2013
Print Name	Signature	Date

57

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120499
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

58

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

59

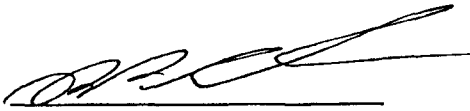
CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

Steve Redmond		3/12/2013
Print Name	Signature	Date

60

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01188
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: May 7, 2013

FROM: C. Soaterna C. Soaterna — LOCATION: CCP Certification

TO: R. Lee ED — LOCATION: CCP Operations, Savannah River Site

SUBJECT: RESULTS FIRST QUARTER 2013 (JANUARY 1, 2013 THROUGH MARCH 31, 2013) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01159 was issued April 17, 2013. This memorandum identified waste container HBL120094, Batch Data Report (BDR) SR4RTR0323 as the randomly selected container to be used for DGL repeat review of Nondestructive Examination at the Savannah River Site for the first calendar quarter of 2013. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on April 24, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at Extension 7445.

CS:jmc

cc: NWP

V. K. Cannon	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W. P. Tilmon	ED
NTPC Records Custodian	GSA-212

SRS

L. Fox	ED

NTPC RECORDS ORIGINAL
DATE REC'D 6/3/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0323QTR0113				**Examination Date: 4/23/2013**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: HBL120094 HBL120502 HBL120499
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4/30/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0323QTR0113				**Examination Date: 4/23/2013**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0323QTR0113	**Examination Date: 4/23/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna	Carolina Soaterna			4/24/13
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0323QTR0113 ☑ CH ☐ RH Date: 4/23/13

Waste Container ID Numbers	
Replicate Scan:	HBL120499
Independent Observation:	HBL120502
1	HBL120094
2	HBL120502
3	HBL120499
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name | Signature | 4/23/13 — Date

Independent Technical Reviewer:
Byron Gelderman — Printed Name | Signature | 4-23-13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 04-23-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0323QTR0113 Date: 4/23/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	19

Batch Narrative
The original BDR SR4RTR0323 was processed on 03/11/13 through 03/12/13 and was used in reference to this First Quarterly Report for 2013.

Steve Redmond — RTR Operator

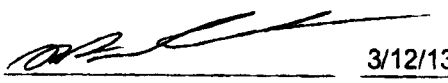
Signature — 4/23/13 Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0323		
Examination Date: 3/11/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire / Printed Name	John Brookshire / Signature	3/11/13 / Date

3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0323		
Examination Date: 3/12/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond (Printed Name)	 (Signature)	3/12/13 (Date)

3A

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120499
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 3: Container Inventory and Comments	Detailed Descriptions
IM: Metal cans	
AM:	
OM: Plutonium oxide material	
OI: Blended material	
C:	
R:	
XPM: Plastic bag	
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

5

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Q [illegible])	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan is in agreement with the original operator's scan. JBB 3/12/13

RTR Operator:

John Brookshire	John Brookshire	3/12/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120502
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

7

CCP Radiography Data Sheet

Waste Container ID: HBL120502

Section 3: Container Inventory and Comments	Detailed description
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120502

Section 5: RTR Summary (Questions Answered "Yes" Shall be explained in the Comment Block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation is in agreement with the original operator's scan. JAB 3/12/13

RTR Operator:

John Brookshire	John Brookshire	3/12/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/11/2013
Waste Container ID:	HBL120094
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

22
10 4-23-1

CCP Radiography Data Sheet

Waste Container ID: HBL120094

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

23 pm
11 4-23-1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120094

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment Block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: John Brookshire (Print Name) — John Brookshire (Signature) — 3/11/2013 (Date)	

24 pr
12 4-23-1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120502
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

55
13 4-23-1.

CCP Radiography Data Sheet

Waste Container ID: HBL120502

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

58
14 4-23-1

CCP Radiography Data Sheet

Waste Container ID: HBL120502

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:N/A

RTR Operator:

Steve Redmond		3/12/2013
Print Name	Signature	Date

57 mm
15 4-23-13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0323
Examination Date:	3/12/2013
Waste Container ID:	HBL120499
Video/Audio Recorded Media Number:	SR4RTR0323 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 147.0 kg Tare Wt.: 144.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

56 m
16 4-23-13

CCP Radiography Data Sheet

Waste Container ID: HBL120499

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.8
Plastics (PP):	6.5
Other:	35.6
Total Packaging Weight	144.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

59 17 4-23-13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120499

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		3/12/2013
Print Name	Signature	Date

TQ m
1 of 4-23-13

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0323QTR 0113

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES BWG 4-23-13	~~☑ N/A~~
12.	Was justification made for changing the original data? BWG 4-23-13	☑ NO	☐ YES	~~☑ N/A~~ BWG 4-23-13
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES BWG 4-23-13	~~☑ N/A~~
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0323QTR0113

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A BWG 4-23-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

4-23-13 — Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0323QTR0113	RTR QUARTERLY BDR – 1ST QUARTER 2013	04/23/13	21
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	4/30/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4585
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/30 08:44
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0323QTR0113	RTR QUARTERLY BDR – 1ST QUARTER 2013	04/23/13	21
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01022
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: January 11, 2013

FROM: C. Soaterna C Soaterna 1/14/13 LOCATION: CCP Certification

TO: R. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: FOURTH QUARTER 2012 (OCTOBER 1, 2012 THROUGH DECEMBER 31, 2012) NONDESTRUCTIVE EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

The Savannah River Site has completed data generation level (DGL) review, validation, and verification of Nondestructive Examination (NDE) results for containers processed during the fourth quarter of 2012 (October 1, 2012 through December 31, 2012). Container number SR46072PB, Batch Data Report (BDR) SR4RTR0293 was randomly selected from all the containers processed for NDE analysis during this time frame. The data from this container and other pertinent documents are incorporated into a modified BDR (attachment) and will be used for the Quarterly Repeat of DGL Data Review, validation, and Verification, as described in CCP-TP-001, CCP Project Level Data Validation and Verification, to document DGL data review, validation, and verification are being performed in accordance with applicable procedures.

Please assign qualified DGL personnel to review the submitted data and complete the BDR by generating a new Table of Contents, Batch Data Report Cover Sheet, BDR Narrative and applicable DGL checklists. Please have the data reviewed and the BDR completed and returned to the Central Characterization Project Records Department by January 31, 2013.

If you have any questions, please call me at Extension 7445.

CS:jmc

Attachment

cc: NWP
(without attachment)
V. K. Cannon ED
R. P. Kantrowitz ED
P. S. Muse ED
M. W. Pearcy ED
B. S. Schrock ED
W. P. Tilmon ED

(with attachment)
NTP Records Custodian GSA-212

SRS
(with attachment)
L. Fox ED

CCP RECORDS ORIGINAL
DATE REC'D 01.14.13

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0293 OTP 11/2 ☑ CH ☐ RH Date: 10/31/12

CS 1/10/13

Waste Container ID Numbers	
Replicate Scan:	WMPSWB357A
Independent Observation:	SR46072PA
1	~~SR46072OB~~ CS 1/10/13
2	~~SR46072OA~~ CS 1/10/13
3	SR46072PB
4	SR46072PA
5	WMPSWB357A
6	~~WMPSWB354A~~ CS 1/10/13
7	~~WMPSWB552A~~ CS 1/10/13
8	~~MDL0349107~~ CS 1/10/13
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator Steve Redmond — Printed Name; Signature; 10/31/12 — Date

Independent Technical Reviewer:
Sue Bradley — Printed Name; Sue Bradley — Signature; 11/7/12 — Date

CCP RECORDS ORIGINAL
DATE REC'D 11-14-12

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0292		
Examination Date: 10/31/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		

RTR Operator:		
John Brookshire	John Brookshire	10/31/12
Printed Name	Signature	Date

COPY

rm 11-5-12
3A

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	WMPSWB357A
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W026-221F-HEPA
Waste Container Weights:	Gross Wt.: 35.0 kg Tare Wt.: 27.7 kg Net Wt.: 7.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

4

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Filter debris
AM:	
OM:	
OI:	
C:	Filter media, coveralls
R:	Rubber gloves
XPM:	Plastic bags, pieces of plastic, tygon tubing, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.3
Rubber (R):	1.3
Plastics (waste materials) (XPM):	3.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.3

5

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSWB357A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator's scan. JWB 10/31/12

RTR Operator:

John Brookshire	John Brookshire	10/31/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	SR46072PA
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 32.0 kg Tare Wt.: 27.7 kg Net Wt.: 4.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	30 %

7

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal in-line filters, filter debris, scrap metal
AM:
OM:
OI:
C: Coveralls
R:
XPM: Plastic bags
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.9
Rubber (R):	
Plastics (waste materials) (XPM):	1.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.3

8

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Section 5: RTR Summary (Questions answered 'Yes' will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation agrees with the original operator's scan. JMB 10/31/12

RTR Operator:

John Brookshire	John Brookshire	10/31/2012
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	SR46072PB
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 34.0 kg Tare Wt.: 27.7 kg Net Wt.: 6.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

16

CCP Radiography Data Sheet

Waste Container ID: SR46072PB

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Scrap metal, metal in-line filters, filter debris
AM:
OM:
OI:
C: Laundry bag
R:
XPM: Plastic bags
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	6.3

17

CCP Radiography Data Sheet

Waste Container ID: SR46072PB

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	
RTR Operator: Steve Redmond (Print Name) — Signature — 10/31/2012 (Date)	

18

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	SR46072PA
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 32.0 kg Tare Wt.: 27.7 kg Net Wt.: 4.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	30 %

19

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal in-line filters, filter debris, scrap metal
AM:
OM:
OI:
C: Laundry bag
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.3

20

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: Steve Redmond (Print Name) — Signature — 10/31/2012 (Date)	

21

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	WMPSWB357A
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W026-221F-HEPA
Waste Container Weights:	Gross Wt.: 35.0 kg Tare Wt.: 27.7 kg Net Wt.: 7.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

22

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Filter debris
AM:	
OM:	
OI:	
C:	Filter media, coveralls
R:	Rubber gloves
XPM:	Plastic bags, plastic tubing, respirator filters, pieces of plastic
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.5
Rubber (R):	1.5
Plastics (waste materials) (XPM):	3.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.3

23

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, *more than 60 milliliters or* 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		10/31/2012
Print Name	Signature	Date

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01066
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: February 11, 2013

FROM: C. Soaterna 2/11/13 LOCATION: CCP Certification

TO: R. W. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: RESULTS FOURTH QUARTER 2012 (OCTOBER 1, 2012 THROUGH DECEMBER 31, 2012) NONDESTRUCTIVE EXAMINATION QUATERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01022 was issued January 11, 2013. This memorandum identified waste container SR46072PB, Batch Data Report (BDR) SR4RTR0293 as the randomly selected container to be used for DGL repeat review of Nondestructive Examination at the Savannah River Site for the fourth calendar quarter of 2012. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on January 21, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at Extension 7445.

CS:jmc

cc: NWP

V. K. Cannon	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W. P. Tilmon	ED
NTP Records Custodian	GSA-212

SRS

L. Fox	ED

CCP RECORDS ORIGINAL
DATE REC'D 2/12/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0293QTR0412_____ Examination Date: 1/21/2013_____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR46072PB SR46072PA WMPSWB357A
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1/22/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0293QTR0412_____ Examination Date: 1/21/2013_____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0293QTR0412 **Examination Date: 1/21/2013**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: NONE				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Carolina Soaterna	Carolina Soaterna	1/21/2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0293QTR0412 ☑ CH ☐ RH Date: 1/21/13

Waste Container ID Numbers	
Replicate Scan:	WMPSWB357A
Independent Observation:	SR46072PA
1	SR46072PB
2	SR46072PA
3	WMPSWB357A
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name

Signature

1/21/13 — Date

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

1-21-13 — Date

CCP RECORDS ORIGINAL
DATE REC'D 01-21-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0293QTR0412 Date: 1/21/13

Table Of Contents

Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	19

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

The Measurement Control Report was performed in Batch Data Report SR4RTR0292 on 10/31/12 and copies were placed in this Batch Data Report for convenience.

The original BDR SR4RTR0293 was processed on 10/31/12 and was used in reference to this Fourth Quarterly Report for 2012.

Steve Redmond — RTR Operator

Signature

1/21/13 — Date

Controlled Copy

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0292		
Examination Date: 10/31/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	10/31/12 (Date)

COPY

11-5-12
3A

CCP Radiography Data Sheet

☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0293
Examination Date:	10/31/2012
Waste Container ID:	WMPSWB357A
Video/Audio Recorded Media Number:	SR4RTR0293 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W026-221F-HEPA
Waste Container Weights:	Gross Wt.: 35.0 kg Tare Wt.: 27.7 kg Net Wt.: 7.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSWB357A

IM:	Filter debris
AM:	
OM:	
OI:	
C:	Filter media, coveralls
R:	Rubber gloves
XPM:	Plastic bags, pieces of plastic, tygon tubing, plastic sheeting
OR:	
IN:	
S:	

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.3
Rubber (R):	1.3
Plastics (waste materials) (XPM):	3.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.3

5

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator's scan. JMB 10/31/12

RTR Operator:

John Brookshire	John Brookshire	10/31/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

☐ RTR Examination	☐ RTR Replicate Scan	☒ RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0293	
Examination Date:	10/31/2012	
Waste Container ID:	SR46072PA	
Video/Audio Recorded Media Number:	SR4RTR0293	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A	

Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 32.0 kg Tare Wt.: 27.7 kg Net Wt.: 4.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	30 %

7

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

IM: Metal in-line filters, filter debris, scrap metal
AM:
OM:
OI:
C: Coveralls
R:
XPM: Plastic bags
OR:
IN:
S:

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.9
Rubber (R):	
Plastics (waste materials) (XPM):	1.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.3

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation agrees with the original operator's scan. JMB 10/31/12

RTR Operator:

John Brookshire	John Brookshire	10/31/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0293	
Examination Date:	10/31/2012	
Waste Container ID:	SR46072PB	
Video/Audio Recorded Media Number:	SR4RTR0293	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 34.0 kg Tare Wt.: 27.7 kg Net Wt.: 6.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

1-21-13

10

CCP Radiography Data Sheet

Waste Container ID: SR46072PB

IM: Scrap metal, metal in-line filters, filter debris
AM:
OM:
OI:
C: Laundry bag
R:
XPM: Plastic bags
OR:
IN:
S:

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	6.3

1-21-13

CCP Radiography Data Sheet

Waste Container ID: SR46072PB

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		10/31/2012
Print Name	Signature	Date

1-24-13
1&12

CCP Radiography Data Sheet

[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0293	
Examination Date:	10/31/2012	
Waste Container ID:	SR46072PA	
Video/Audio Recorded Media Number:	SR4RTR0293	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 32.0 kg Tare Wt.: 27.7 kg Net Wt.: 4.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	30 %

1-21-13

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

IM: Metal in-line filters, filter debris, scrap metal
AM:
OM:
OI:
C: Laundry bag
R:
XPM: Plastic bag
OR:
IN:
S:

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.3

1-21-13
Da 14

CCP Radiography Data Sheet

Waste Container ID: SR46072PA

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

Steve Redmond		10/31/2012
Print Name	Signature	Date

11-21-13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0293	
Examination Date:	10/31/2012	
Waste Container ID:	WMPSWB357A	
Video/Audio Recorded Media Number:	SR4RTR0293	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Container Type:	55 Gallon Drum
TRUCON Code:	SR219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W026-221F-HEPA
Waste Container Weights:	Gross Wt.: 35.0 kg Tare Wt.: 27.7 kg Net Wt.: 7.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

1-21-13
ID 16

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

IM: Filter debris
AM:
OM:
OI:
C: Filter media, coveralls
R: Rubber gloves
XPM: Plastic bags, plastic tubing, respirator filters, pieces of plastic
OR:
IN:
S:

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.5
Rubber (R):	1.5
Plastics (waste materials) (XPM):	3.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.3

1-21-13
13 17

CCP Radiography Data Sheet

Waste Container ID: WMPSWB357A

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		10/31/2012
Print Name	Signature	Date

1-21-13

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0293QTR0412

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0293 QTR 0412

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A BWC 1-21-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman
Printed Name

Signature

1-21-13
Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	01-22-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0293QTR0412	RTR QUARTERLY BDR – 4TH QUARTER 2012	01/21/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson (Printed Name)	2/1/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2918
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	02/01 07:32
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	01-22-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0293QTR0412	RTR QUARTERLY BDR –4TH QUARTER 2012	01/21/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] _____ Jeffrey Patterson 2/1/13

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01023
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: January 11, 2013

FROM: C. Soaterna CSoaterna 1/11/13 LOCATION: CCP Certification

TO: R. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: FOURTH QUARTER 2012 (OCTOBER 1, 2012 THROUGH DECEMBER 31, 2012) VISUAL EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

The Savannah River Site has completed data generation level (DGL) review, validation, and verification of Visual Examination (VE) results for containers processed during the fourth quarter of 2012 (October 1, 2012 through December 31, 2012). Container number SR46071Z, Batch Data Report (BDR) SRVEFW0362 was randomly selected from all the containers processed for VE analysis during this time frame. The data from this container and other pertinent documents are incorporated into a modified BDR (attachment) and will be used for the Quarterly Repeat of DGL Data Review, validation, and Verification, as described in CCP-TP-001, CCP Project Level Data Validation and Verification, to document DGL data review, validation, ad verification are being performed in accordance with applicable procedures.

Please assign qualified DGL personnel to review the submitted data and complete the BDR by generating a new Table of Contents, Batch Data Report Cover Sheet, BDR Narrative and applicable DGL checklists. Please have the data reviewed and the BDR completed and returned to the Central Characterization Project Records Department by January 31, 2013.

If you have any questions, please call me at Extension 7445.

CS:jmc

Attachment

cc: NWP
(without attachment)

V. K. Cannon	ED
R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W.P. Tilmon	ED

(with attachment)
NTP Records Custodian GSA-212

SRS
(with attachment)
L. Fox ED

CCP RECORDS ORIGINAL
DATE REC'D 01-14-13

Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet

Batch Data Report No.: SRVEFW0362QTR0412 CS 1/10/13 Examination Date: 10/1/12

	Waste Container ID Number:
1	~~SR46050W~~ CS 1/10/13
2	~~SR46050WA~~ CS 1/10/13
3	SR46071Z
4	~~SR46071ZA~~ CS 1/10/13
5	
6	
7	
8	
9	
10	N A
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Independent Technical Reviewer:

STACY I. KINARD (Print Name) (Signature) 10-09-12 (Date)

001

CCP RECORDS ORIGINAL
DATE REC'D 10-9-12

Attachment 1 – CCP Waste Visual Examination General Information Form

Batch Data Report No.: SRVEFW0362

☑ VE for Previously Packaged Waste ☐ VE for Newly Generated Waste		
☐ Method 1 ☑ Method 2		
Site ID:	SRS F CANYON WARM CRANE	
Examination Date:	10/3/12	
Procedure No.: CCP-TP-113	Revision No.: 16	
Camera/Audio/Video Media Recording Check: ☑ N/A	☐ SAT	
VE Scale Information: ☑ N/A	Serial/ID Number: N/A Calibration Due Date: N/A Operational Check: ☐ SAT ☐ UNSAT	
Test Weight Information Test Weight Total: N/A kg. Tray Weight: N/A kg.	Serial/ID Number: N/A Calibration Due Date: N/A Serial/ID Number: N/A Calibration Due Date: N/A Serial/ID Number: N/A Calibration Due Date: N/A	
Container Scale Information:	Serial/ID Number: TRUF020 Calibration Due Date: 4/30/13 Operational Check: ☑ SAT ☐ UNSAT	
Comments: N/A		
Visual Examination Operator 1: James Adams Print Name	Signature	10/3/12 Date
Visual Examination Operator 2: Will Davis Print Name	Signature	10/3/12 Date

Attachment 2 – CCP Waste Visual Examination Data Form Page 1 of 5

Batch Data Report No.: SRVEFW0362

Section 1: Output Waste Container Data

Input Waste Container ID, as applicable: SR46071Z		
Output Waste Container ID: SR46071Z	Waste Stream ID: SR-MD-PAD1	
Container Type: 55 GALLON DRUM	TRUCON Code: SR125/225	Waste Matrix Code: S5400
Audio/Video Media Recording Number: ☑ N/A		
Waste Container Weights: Tare Wt: 33.5 kg.	Gross Wt: 46.5 kg.	
Rigid Liner Present? ☐ NO ☑ YES Type of Liner: ☐ Lead ☐ Plastic ☑ Fiberboard ☐ Other: Thickness: ☐ 30-mil ☑ 90-mil ☐ 110-mil ☐ 125-mil	Rigid Liner Lid Present? ☑ NO ☐ YES Rigid Liner Lid is Vented (>0.3 in.) or Filtered? ☐ NO ☐ YES ☑ N/A ☐ Vented: Hole Size: ☑ N/A ☐ Filtered: Model No.: ☑ N/A Serial No.: ☑ N/A	
Bag Liner Present? ☐ NO ☑ YES	Volume Utilization Percentage: 35 %	
Does the physical form of the waste match the Waste Stream Description (i.e., Homogeneous Solids, Soil/Gravel, or Debris Waste [including uncategorized metals])? ☐ NO ☑ YES		
Does the physical form of the waste match the Waste Matrix Code? ☐ NO ☑ YES		
Closure Method: TT Number of Layers of Confinement: ONE		
Filter Torque Wrench Serial/ID No.: TRUF024 Calibration Due Date: 6/25/13 Filter: Model No.: NucFil-019DS, NucFil-016SSHP Serial No.: CM-1412, GM-420 Torque Value: 10 FT. LBS.	Lid Ring/Bolt Torque Wrench Serial/ID No.: SWP300042 Calibration Due Date: 9/19/13 Lid Ring/Bolt Torque Value: 55 FT. LBS.	
Is total dose rate greater than 200mrem/hr? ☑ NO ☐ YES		
NCR(s) associated with the output container? ☑ NO ☐ YES NCR No.: N/A NCR No.: N/A		
Comments: Due to the high PEC a daughter drum was created using number SR46071ZA.		

016

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 2 of 5

Batch Data Report No.: SRVEFW0362 **Date:** 10/3/12

Section 2: Waste Package Data

Package and Package PCI Number (as applicable)	Waste Description	WMP [Table 3]	Weight (kg) [Table 4,[a]]	Weighing Code(s) [Table 4[b]]
N/A	BAGS, SHOWER CAPS	PW	3.4	E
N/A	LIDS, CANS, SCRAP METAL, RING, BOLT, CAN OPENER	IM	7.4	E
N/A	LEAD SHOT	OM	2.0	E
N/A	FOIL	AM	0.2	E
	N/A			

N/A	N/A	N/A
VEO 1: Print Name	Signature	Date
N/A	N/A	N/A
VEO 2: Print Name	Signature	Date

Signatures annotate the absence of prohibited items.

Output Waste Container ID: SR46071Z

PCI Removed: N/A **PCI Applied:** N/A

N/A	N/A	N/A
VEO 1: Print Name	Signature	Date
N/A	N/A	N/A
VEO 2: Print Name	Signature	Date

Signatures of VEO's verifying the loading of the Output Waste Container.

Controlled Copy

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 3 of 5

Batch Data Report No.: SRVEFW0362

Output Waste Container ID: SR46071Z

Section 3: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	28.0
Plastics (PP):	2.0
Others:	3.5
Total Packaging Weight:	33.5
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal/Alloys (IM):	7.4
Aluminum-based Metals/Alloys (AM):	0.2
Other Metals (OM):	2.0
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (PW):	3.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	13.0

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 4 of 5

Batch Data Report No.: SRVEFW0362 **Output Waste Container ID:** SR46071Z

Section 4: Prohibited Item(s) Summary (Questions answered "YES" will be explained in the Comments block.)		
	Yes	No
Is there any observable liquid in internal containers, that is more than 60 milliliters or 3 percent by volume, whichever is greater.	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there detectable observable liquid in outermost containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does **NOT** match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there PCB liquids present?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
TRUPACT II Criteria		
Are there heat-sealed bags (unvented) **GREATER** than 4 liters and LESS than 390 square inches in the waste?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers **GREATER** than 4 liters?	☐	☑
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 5 of 5

Batch Data Report No.: SRVEFW0362 **Output Waste Container ID:** SR46071Z

Section 4: Prohibited Item(s) Summary (Continued)

(Questions answered "YES" will be explained in the Comments block)

Comments:

N/A

Section 5: Approvals

Visual Examination Operator 1: James Adams Print Name	Signature	10/3/12 Date
Visual Examination Operator 2: Will Davis Print Name	Signature	10/3/12 Date

020

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01091
UFC5900.00

INTER-OFFICE CORRESPONDENCE

DATE: February 21, 2013

FROM: C. Soaterna C. Soaterna 2/21/13 LOCATION: CCP Certification

TO: R. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: RESULTS FOURTH QUARTER 2012 (OCTOBER 1, 2012 THROUGH DECEMBER 31, 2012) VISUAL EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL DATA REVIEW, VALIDATION, AND VERIFICATION AT THE SAVANNAH RIVER SITE

Procedure CCP-TP-001, CCP Project Level Data Validation and Verification, requires that a repeat of Data Generation Level (DGL) data review, validation, and verification be performed on a quarterly basis on the data from a minimum of one randomly chosen waste container for each required characterization method used during the respective calendar quarter. Toward this end, correspondence number CP:13:01023 was issued January 11, 2013. This memorandum identified waste container SR46071Z, Batch Data Report (BDR) SRVEFW0362 as the randomly selected container to be used for DGL repeat review of Nondestructive Examination at the Savannah River Site for the fourth calendar quarter of 2012. Attached with this memorandum was a modified BDR incorporating data from this container and other pertinent documents.

After the quarterly repeat DGL review of this modified BDR, it was subjected to project level validation and verification per CCP-TP-001 on February 4, 2013. Subsequently, the results of the original DGL review and the quarterly repeat DGL review were evaluated. This evaluation indicates there were no inconsistencies between the results of the original DGL review and the quarterly repeat DGL review that affect data quality.

If you have any questions, please call me at (575)234-7445.

CS:jmc

cc: NWP

R. P. Kantrowitz	ED
P. S. Muse	ED
M. W. Pearcy	ED
B. S. Schrock	ED
W.P. Tilmon	ED
NTP Records Custodian	GSA-212

SRS

L. Fox	ED

NTPC RECORDS ORIGINAL
DATE REC'D 2/21/13

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary

BDR Number: SRVEFW0362QTR0412				**Examination Date: 10/3/2012**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR46071Z
5. Is the current implementing procedure and revision number included in the BDR? **Reference Source: CCP-PO-001, C3-4, C3-10b, Table C3-11**	X			
6. Is the BDR date included? **Reference Source: CCP-PO-001, Table C3-11**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0162-13 Rework
8. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001 C3-10**	X			
9. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures). **Reference Source: CCP-PO-001 C3-10b**	X			
10. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4**	X			
11. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-4**	X			
12. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 2.4.13

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: SRVEFW0362QTR0412				**Examination Date: 10/3/2012**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
13. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4b**	X			
14. Were discrepancies between the Visual Examination operator and the ITR with regards to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4b**			X	No discrepancies.
15. Are the training requirements met for the VE Expert and VE Operators who have signed the data forms? **Reference Source: CCP-PO-001, C1-4, C3-4**	X			
16. Is evidence of a satisfactory audio/video test included in the BDR? NA [not applicable] for VE Method for Newly Generated Waste. **Reference Source: CCP-PO-001, C1-4**			X	Two operators used in lieu of audio/video
17. If the VE was not recorded using audio/video media, does the data sheet contain the signature of two qualified operators who observed for themselves the waste being placed into the container? NA if audio/video used. **Reference Source: CCP-PO-001, C1-4**	X			
18. Are the weights/estimated weights for the 12 waste material parameters reported in kilograms (kg)? **Reference Source: CCP Technical Procedures**	X			
19. Are the descriptions for each waste material parameter included in the BDR? **Reference Source: CCP-PO-001, C1-4**	X			
20. Is the gross weight reported (in kg) for each container included in the BDR? **Reference Source: CCP Technical Procedures**	X			
21. Is the number of layers of confinement recorded? **Reference Source: CCP-PO-001, C-3d**	X			
22. Is sufficient information included in the BDR to determine the packaging configuration? **Reference Source: CCP-PO-001 C-3d**	X			

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: SRVEFW0362QTR0412				Examination Date: 10/3/2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Is the type and number of filters recorded? **Reference Source: CCP-PO-001, C-3d**	X			
24. Is the size of the rigid liner vent hole recorded to determine the appropriate DAC? NA if no liner lid. **Reference Source: CCP-PO-001, C-3d**			X	No liner lid.
25. For Los Alamos National Laboratory (LANL) Sealed Sources, does the characterized waste container meet the definition of sealed sources per Title 10 Code of Federal Regulations (CFR) 30.4 and Title 10 CFR 835.2 (effective January 1, 2004) evidence of which is assembled as part of AK documentation? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source
26. For LANL Sealed Sources, are sealed sources the only non-packaging items in the waste container? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source
27. For LANL Sealed Sources, are the sealed sources a U.S. Department of Transportation (DOT) Special Form Class 7 (Radioactive Material) per Title 49 CFR 34.27 (effective January 1, 2004) and the certification of which is assembled as part of the AK documentation? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source
28. For LANL Sealed Sources, is the integrity of each sealed source validated by documented contamination survey results to meet the requirements of Title 10 CFR 34.27 (effective January 1, 2004), and assembled as part of AK documentation? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: SRVEFW0362QTR0412 **Examination Date: 10/3/2012**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
29. For LANL Sealed Sources, is each sealed source a rigid sealed container less than or equal to 4 L in size or in a rigid sealed container less than or equal to 4 L? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source
30. For LANL Sealed Sources, AK documentation does not indicate the use of volatile organic compounds (VOCs) or VOC-bearing materials as constituents of sealed sources? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source
31. For LANL Sealed Sources, the outer casing of each sealed source is of a non VOC-bearing material which is verified using the VE technique at the time of packaging? **Reference Source: CCP Technical Procedures**			X	Not a LANL Sealed Source

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Carolina Soaterna	Carolina Soaterna	2/4/2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet

Batch Data Report No.: SRVEFW0362QTR0412 Examination Date: 1/22/13

	Waste Container ID Number:
1	SR46071Z
2	
3	
4	
5	
6	
7	
8	
9	
10	N A
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Independent Technical Reviewer:

Print Name	Signature	Date
STACY I. KINARD		01-22-2013
STACY I. KINARD		01-31-2013

001

CCP RECORDS ORIGINAL
DATE REC'D 01-23-13

Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet

Batch Data Report No.: SRVEFW0362QTR0412 Examination Date: 1/22/13

	Waste Container ID Number:
1	SR46071Z
2	
3	
4	
5	
6	
7	
8	
9	
10	N A
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Independent Technical Reviewer:

STACY I. KINARD — Print Name

Signature

01-22-2013 — Date

SUPERCEDED CJ 2/4/13

001A

CJ 2/2/13

CCP RECORDS ORIGINAL

DATE REC'D 01-23-13

Attachment 4 – CCP Waste VE Batch Data Report Table of Contents

Batch Data Report No.: SRVEFW0362QTR0412 Examination Date: 1/22/13

Table of Contents		
Item	Description	Page No.
1	CCP Waste VE Batch Data Report Cover Sheet	1
2	CCP Waste VE Batch Data Report Table of Contents	2
3	CCP Waste Visual Examination General Information Form	3
4	CCP Waste Visual Examination Data Forms	4
5	CCP Waste VE Independent Technical Reviewer Checklist	9
6	Copy of NCRs (N/A, If Not Applicable)	SJK 01-31-13 ~~N/A~~ SJK 01-31-13
7	Field Records (N/A, If Not Applicable)	N/A

002

Attachment 4 – CCP Waste VE Batch Data Report Table of Contents

Batch Data Report No.: SRVEFW0362QTR0412 Examination Date: 1/22/13

Table of Contents

Item	Description	Page No.
1	CCP Waste VE Batch Data Report Cover Sheet	1
2	CCP Waste VE Batch Data Report Table of Contents	2
3	CCP Waste Visual Examination General Information Form	3
4	CCP Waste Visual Examination Data Forms	4
5	CCP Waste VE Independent Technical Reviewer Checklist	9
6	Copy of NCRs (N/A, If Not Applicable)	N/A
7	Field Records (N/A, If Not Applicable)	N/A

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CD 2/4/13

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Attachment 1 – CCP Waste Visual Examination General Information Form

Batch Data Report No.: SRVEFW0362

☑ VE for Previously Packaged Waste ☐ VE for Newly Generated Waste	
☐ Method 1 ☑ Method 2	
Site ID:	SRS F CANYON WARM CRANE
Examination Date:	10/3/12
Procedure No.: CCP-TP-113	Revision No.: 16
Camera/Audio/Video Media Recording Check: ☑ N/A	☐ SAT
VE Scale Information: ☑ N/A	Serial/ID Number: N/A Calibration Due Date: N/A Operational Check: ☐ SAT ☐ UNSAT
Test Weight Information Test Weight Total: N/A kg. Tray Weight: N/A kg.	Serial/ID Number: N/A Calibration Due Date: N/A Serial/ID Number: N/A Calibration Due Date: N/A Serial/ID Number: N/A Calibration Due Date: N/A
Container Scale Information:	Serial/ID Number: TRUF020 Calibration Due Date: 4/30/13 Operational Check: ☑ SAT ☐ UNSAT
Comments: N/A	
Visual Examination Operator 1: James Adams (Print Name)	Signature	10/3/12 (Date)
Visual Examination Operator 2: Will Davis (Print Name)	Signature	10/3/12 (Date)

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Attachment 2 – CCP Waste Visual Examination Data Form Page 1 of 5

Batch Data Report No.: SRVEFW0362

Section 1: Output Waste Container Data

Input Waste Container ID, as applicable:	SR46071Z		
Output Waste Container ID:	SR46071Z	Waste Stream ID:	SR-MD-PAD1
Container Type: 55 GALLON DRUM	TRUCON Code: SR125/225	Waste Matrix Code:	S5400

Audio/Video Media Recording Number: ☑ N/A

Waste Container Weights:
Tare Wt: 33.5 kg. Gross Wt: 46.5 kg.

Rigid Liner Present? ☐ NO ☑ YES
Type of Liner: ☐ Lead ☐ Plastic
☑ Fiberboard ☐ Other:
Thickness: ☐ 30-mil ☑ 90-mil ☐ 110-mil
☐ 125-mil

Rigid Liner Lid Present? ☑ NO ☐ YES
Rigid Liner Lid is Vented (>0.3 in.) or Filtered?
☐ NO ☐ YES ☑ N/A
☐ Vented: Hole Size: ☑ N/A
☐ Filtered: Model No.: ☑ N/A
Serial No.: ☑ N/A

Bag Liner Present? ☐ NO ☑ YES

Volume Utilization Percentage: 35 %

Does the physical form of the waste match the Waste Stream Description (i.e., Homogeneous Solids, Soil/Gravel, or Debris Waste [including uncategorized metals])?
☐ NO ☑ YES

Does the physical form of the waste match the Waste Matrix Code?
☐ NO ☑ YES

Closure Method: TT
Number of Layers of Confinement: ONE

Filter Torque Wrench
Serial/ID No.: TRUF024
Calibration Due Date: 6/25/13
Filter: Model No.: NucFil-019DS, NucFil-016SSHP
Serial No.: CM-1412, GM-420
Torque Value: 10 FT. LBS.

Lid Ring/Bolt Torque Wrench
Serial/ID No.: SWP300042
Calibration Due Date: 9/19/13
Lid Ring/Bolt Torque Value: 55 FT. LBS.

Is total dose rate greater than 200mrem/hr? ☑ NO ☐ YES

NCR(s) associated with the output container? ☑ NO ☐ YES
NCR No.: N/A
NCR No.: N/A

Comments:
Due to the high PEC a daughter drum was created using number SR46071ZA.

~~DOE~~ 1/22/13

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 2 of 5

Batch Data Report No.: SRVEFW0362 **Date:** 10/3/12

Section 2: Waste Package Data

Package and Package PCI Number (as applicable)	Waste Description	WMP [Table 3]	Weight (kg) [Table 4,[a]]	Weighing Code(s) [Table 4[b]]
N/A	BAGS, SHOWER CAPS	PW	3.4	E
N/A	LIDS, CANS, SCRAP METAL, RING, BOLT, CAN OPENER	IM	7.4	E
N/A	LEAD SHOT	OM	2.0	E
N/A	FOIL	AM	0.2	E

N/A

N/A

N/A

N/A

N/A

N/A

VEO 1: Print Name Signature Date

VEO 2: Print Name Signature Date

Signatures annotate the absence of prohibited items.

Output Waste Container ID: SR46071Z

PCI Removed: N/A **PCI Applied:** N/A

N/A

N/A

N/A

N/A

N/A

N/A

VEO 1: Print Name Signature Date

VEO 2: Print Name Signature Date

Signatures of VEO's verifying the loading of the Output Waste Container.

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Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 3 of 5

Batch Data Report No.: SRVEFW0362

Output Waste Container ID: SR46071Z

Section 3: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	28.0
Plastics (PP):	2.0
Others:	3.5
Total Packaging Weight:	33.5
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal/Alloys (IM):	7.4
Aluminum-based Metals/Alloys (AM):	0.2
Other Metals (OM):	2.0
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (PW):	3.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	13.0

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Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 4 of 5

Batch Data Report No.: SRVEFW0362 **Output Waste Container ID:** SR46071Z

Section 4: Prohibited Item(s) Summary
(Questions answered "YES" will be explained in the Comments block)

	Yes	No
Is there any observable liquid in internal containers, that is more than 60 milliliters or 3 percent by volume, whichever is greater.	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there detectable observable liquid in outermost containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does **NOT** match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there PCB liquids present?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
TRUPACT II Criteria		
Are there heat-sealed bags (unvented) **GREATER** than 4 liters and LESS than 390 square inches in the waste?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers **GREATER** than 4 liters?	☐	☑
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑

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Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 5 of 5

Batch Data Report No.: SRVEFW0362 **Output Waste Container ID:** SR46071Z

Section 4: Prohibited Item(s) Summary (Continued)

(Questions answered "YES" will be explained in the Comments block)

Comments:

N/A

Section 5: Approvals

Visual Examination Operator 1: James Adams Print Name	Signature	10/3/12 Date
Visual Examination Operator 2: Will Davis Print Name	Signature	10/3/12 Date

008 ~~020~~ 1/22/13

Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist

Batch Data Report No.: ~~SRVEFW0361QTR0412~~ SSK 01-31-13 SRVEFW0362QTR0412 SSK 01-31-13

Page 1 of 2

Description			
1. Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☒ YES	☐ N/A
2. Was the correct revision of operating procedure used?	☐ NO	☒ YES	☐ N/A
3. Are the waste material parameters (WMPs) entered correctly?	☐ NO	☒ YES	☐ N/A
4. Verify the hand calculations on the VE Data Form for the following:			
a. WMP weight totals	☐ NO	☒ YES	☐ N/A
b. Weight totals	☐ NO	☒ YES	☐ N/A
c. Summed volume of observable liquid, as necessary	☐ NO	☐ YES	☒ N/A
d. The total of the WMP weights is within 5% of the net weight of waste of the Output Waste Container obtained from subtracting the tare weight from the gross weight.	☐ NO	☒ YES	☐ N/A
5. Is the data reported in the correct units and correct number of significant figures?	☐ NO	☒ YES	☐ N/A
6. Has the data been reviewed for transcription errors?	☐ NO	☒ YES	☐ N/A
7. Does the Testing Batch Report include VE for up to 20 containers?	☐ NO	☒ YES	☐ N/A
8. BDR contents are complete and match the CCP Waste VE Batch Data Report Table of Contents?	☐ NO	☒ YES	☐ N/A
9. Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☒ YES	☐ N/A
10. Is all data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	☐ N/A
11. All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☒ YES	☐ N/A
12. Were data changes made by the individual who originally collected the data or an equally qualified individual?	☐ NO	☒ YES	☐ N/A
13. Did the physical form of the waste match the Waste Matrix Code and Waste Stream Description?	☐ NO	☒ YES	☐ N/A

Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist

Batch Data Report No.: SRVEFW0361QTR0412

Description			
1. Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☒ YES	☐ N/A
2. Was the correct revision of operating procedure used?	☐ NO	☒ YES	☐ N/A
3. Are the waste material parameters (WMPs) entered correctly?	☐ NO	☒ YES	☐ N/A
4. Verify the hand calculations on the VE Data Form for the following:			
a. WMP weight totals	☐ NO	☒ YES	☐ N/A
b. Weight totals	☐ NO	☒ YES	☐ N/A
c. Summed volume of observable liquid, as necessary	☐ NO	☐ YES	☒ N/A
d. The total of the WMP weights is within 5% of the net weight of waste of the Output Waste Container obtained from subtracting the tare weight from the gross weight.	☐ NO	☒ YES	☐ N/A
5. Is the data reported in the correct units and correct number of significant figures?	☐ NO	☒ YES	☐ N/A
6. Has the data been reviewed for transcription errors?	☐ NO	☒ YES	☐ N/A
7. Does the Testing Batch Report include VE for up to 20 containers?	☐ NO	☒ YES	☐ N/A
8. BDR contents are complete and match the CCP Waste VE Batch Data Report Table of Contents?	☐ NO	☒ YES	☐ N/A
9. Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☒ YES	☐ N/A
10. Is all data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	☐ N/A
11. All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☒ YES	☐ N/A
12. Were data changes made by the individual who originally collected the data or an equally qualified individual?	☐ NO	☒ YES	☐ N/A
13. Did the physical form of the waste match the Waste Matrix Code and Waste Stream Description?	☐ NO	☒ YES	☐ N/A

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Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist (continued)

Batch Data Report No.: ~~SRVEFW0361QTR0412~~ SIK 01-31-18 SRVEFW0362QTR0412 SIK 01-31-13 Page 2 of 2

Description			
14. Was the waste in the Output Waste Container(s) examined for prohibited items?	☐ NO	☒ YES	☐ N/A
15. Is there an adequate written description of the contents of each item?	☐ NO	☒ YES	☐ N/A
16. Were the scale(s) in calibration prior to the VE and documented correctly?	☐ NO	☒ YES	☐ N/A
17. Were the scale checks SAT prior to the VE and documented correctly?	☐ NO	☒ YES	☐ N/A
18. Was the audio/video media recording properly prepared and labeled for each waste container?	☐ NO	☐ YES	☒ N/A
19. Was the audio/video media recording check performed satisfactorily prior to the VE?	☐ NO	☐ YES	☒ N/A
20. Precision: Was precision maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases?	☐ NO	☒ YES	☐ N/A
21. Accuracy: Was accuracy maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification and subsequent requalification (operators on LOQI)?	☐ NO	☒ YES	☐ N/A
22. Completeness: Is there a completed VE data form for each waste container in the BDR?	☐ NO	☒ YES	☐ N/A
23. Were NCRs initiated as required?	☐ NO	☒ YES	SIK 01-31-13 ☒ N/A

Comments: This is the Fourth Quarter 2012 (October 1, 2012 through December 31, 2012) Visual Examination Quarterly Repeat Data Generation Level Review At The Savannah River Site.

I have reviewed 100 percent of the container-specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
STACY I. KINARD	S. I. Kinard	01-22-2013

STACY I. KINARD S. I. Kinard 01-31-2013

Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist (continued)

Batch Data Report No.: SRVEFW0361QTR0412 Page 2 of 2

Description			
14. Was the waste in the Output Waste Container(s) examined for prohibited items?	☐ NO	☒ YES	☐ N/A
15. Is there an adequate written description of the contents of each item?	☐ NO	☒ YES	☐ N/A
16. Were the scale(s) in calibration prior to the VE and documented correctly?	☐ NO	☒ YES	☐ N/A
17. Were the scale checks SAT prior to the VE and documented correctly?	☐ NO	☒ YES	☐ N/A
18. Was the audio/video media recording properly prepared and labeled for each waste container?	☐ NO	☐ YES	☒ N/A
19. Was the audio/video media recording check performed satisfactorily prior to the VE?	☐ NO	☐ YES	☒ N/A
20. Precision: Was precision maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases?	☐ NO	☒ YES	☐ N/A
21. Accuracy: Was accuracy maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification and subsequent requalification (operators on LOQI)?	☐ NO	☒ YES	☐ N/A
22. Completeness: Is there a completed VE data form for each waste container in the BDR?	☐ NO	☒ YES	☐ N/A
23. Were NCRs initiated as required?	☐ NO	☐ YES	☒ N/A

Comments: This is the Fourth Quarter 2012 (October 1, 2012 through December 31, 2012) Visual Examination Quarterly Repeat Data Generation Level Review At The Savannah River Site.

I have reviewed 100 percent of the container-specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

STACY L. KINARD	S. L. Kinard	01-22-2013
Printed Name	Signature	Date

SUPERCEDED 02/4/13

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02/4/13

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0162-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	VE	SRVEFW0362QTR0412
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (If applicable): N/A	Container #(s): N/A
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-113, Rev. 16, Section 4.7.1 Independent Technical Reviewer (ITR)

Review the BDR to the criteria in Attachment 3

7c. Actual Condition:

Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist

Batch Data Report No. does not match to what is on the coversheet.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO (If no is checked, explain:)

No containers are associated with this NCR. 01/28/13 LPT

8. NCR Originator:

Carolina Soaterna (printed name) Carolina Soaterna (signature) 1/28/2013 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: A

11. Responsible Manager: Beverly S. Schrock

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

Laura Jones (printed name) Laura Laverne Jones (signature) 01/28/2013 (date)

COPY

11
CJ 2/4/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0162-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			16b. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

12
PJ 2/4/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0162-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☐ Reject ☒ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1. ITR- make necessary corrections and re-review BDR.
2. Submit corrections and copy of this NCR to records.
3. SPM to re-review corrected data.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Adela Garza	Adela Garza	1/28/13	Laura R. Jones	Laura Raven Jones	01/28/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. *Final Disposition Complete* – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

COPY

13
CJ 2/4/13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	01-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRVEFW0362QTR0412	VE 4TH QUARTER BDR – 2012	01/22/13	10
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	2/4/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3854
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	02/04 08:15
TIME USE	00'16
PAGES SENT	1
RESULT	OK

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Document Number	Title / Description	Record Date	Total Pages
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N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] _____ Jeffrey Patterson 2/4/13

Attachment 2 – CCP Records Transmittal/Receiving Form

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	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	01-31-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRVEFW0362QTR0412	CORRECTION TO VE 4TH QUARTER BDR COVERSHEET	01/31/13	1
SRVEFW0362QTR0412	CORRECTION TO VE 4TH QUARTER BDR TABLE OF CONTENTS	01/31/13	1
SRVEFW0362QTR0412	CORRECTION TO VE 4TH QUARTER BDR ITR CHECKLIST	01/31/13	2
SRVEFW0362QTR0412	CCP NONCONFORMANCE REPORT NCR-SRS-0162-13	01/28/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

PLEASE FORWARD TO THE SPM FOR REVIEW, PAGINATION AND INSERTION INTO THE QUARTERLY BDR.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	2/4/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3853
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	02/04 08:14
TIME USE	00'16
PAGES SENT	1
RESULT	OK

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SRVEFW0362QTR0412	CORRECTION TO VE 4TH QUARTER BDR TABLE OF CONTENTS	01/31/13	1
SRVEFW0362QTR0412	CORRECTION TO VE 4TH QUARTER BDR ITR CHECKLIST	01/31/13	2
SRVEFW0362QTR0412	CCP NONCONFORMANCE REPORT NCR-SRS-0162-13	01/28/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

PLEASE FORWARD TO THE SPM FOR REVIEW, PAGINATION AND INSERTION INTO THE QUARTERLY BDR.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01019
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: January 10, 2013

FROM: L. M. Nelson — LOCATION: CCP Certification

TO: W. P. Tilmon ED — LOCATION: CCP Operations, Savannah River Site

SUBJECT: FOURTH QUARTER 2012 (OCTOBER 1, 2012 THROUGH DECEMBER 31, 2012) HEADSPACE GAS SAMPLING QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Headspace Gas Sampling (HSG) at the Savannah River Site has completed 92 days of reporting from October 1, 2012 through December 31, 2012. Container number SR503732, Batch Data Report (BDR) SRHSG1227, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the mini-drum package provided to a qualified HSG operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the HSG quarterly repeat of DGL and return the mini-BDR with the naming convention "SRHSG1227_QTR0412" by February 11, 2013 to the Central Characterization Program Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment) (with attachment)

I. S. Joo ED NTP Records Custodian GSA-212

CCP RECORDS ORIGINAL
DATE REC'D 1.22.13

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	1	4	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8 ~~11/12/12~~ ~~111112~~	111212	1308	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 23.8	111212	1311	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

005

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR90971

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 23.8	111212	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 23.8	111212	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	0	0	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** 3R90971

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 23.8	111212	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	3	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR503732

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1326	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 23.8	111212	1331	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	✓ VOC's	Hydrogen	Methane

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 37 Page 1 of 2

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 2	**Sample Matrix is Gas**	Ambient Conditions	
		Field Batch Number: SRHSG1227		Temperature (centigrade): 23.8	
				Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	111212	EI496	250	5441537	NA	NA	440C	INHSG1205NB	B	NA	1308	1311	30 in Hg	3 in Hg	JA
SR	111212	EIA95	250	5441538	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	29 in Hg	0 in Hg	JA
SR	111212	EI007	250	5441539	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	30 in Hg	4 in Hg	JA
SR	111212	EIA18	250	5441540	SR98008	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1338	1342	30 in Hg	0 in Hg	JA
SR	111212	EIA27	250	5441541	SR98029	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1340	1344	28 in Hg	3 in Hg	JA
SR	111212	EIC91	250	5441542	SR97923	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1331	30 in Hg	1 in Hg	JA
SR	111212	EIA37	250	5441543	SR503732	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1326	1331	30 in Hg	1 in Hg	JA
SR	111212	EI155	250	5441544	SR98045	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1332	30 in Hg	1 in Hg	JA
SR	111212	EI856	250	5441545	SR110845	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1341	29 in Hg	0 in Hg	JA
SR	111212	EI439	250	5441546	SR108108	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1342	30 in Hg	1 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

015

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 37 Page 2 of 2

Field Batch Number: SRHSG1227					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 11/12/12
Shipping Tracking # 800118661998	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 11/12/12
		Min /Max Thermometer	XC0690 723196	7/12/2013 7/12/2013	JA 11/12/12 JA 11/12/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441547		TID Initials and date: JA 11/12/12			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 11/12/12 1311				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 11/12/12 1530	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

9 10

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1227

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/m²)	Package Configuration Group No.
1	SR90971	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
2	SR98008	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
3	SR98029	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
4	SR97923	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
5	SR503732	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
6	SR98045	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
7	SR110845	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS & NucFil-DVS307	2	3.7×10^{-6}	NA
8	SR108108	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.7×10^{-6}	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

810

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1227

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0710 Temperature Recorder Calibration Due Date: 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR90971	9/23/1982	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
2	SR98008	12/11/1984	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
3	SR98029	4/21/1977	2/10/2008	11	1737	65	Y	11/9/12 1255	11/12/12 1255
4	SR97923	10/6/1986	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
5	SR503732	11/26/1975	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
6	SR98045	10/13/1976	2/10/2008	11	1737	70	Y	11/9/12 1255	11/12/12 1255
7	SR110845	5/22/1975	3/19/2008	25	1699	90	Y	11/9/12 1255	11/12/12 1255
8	SR108108	5/9/1975	5/12/2008	25	1645	90	Y	11/9/12 1255	11/12/12 1255
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

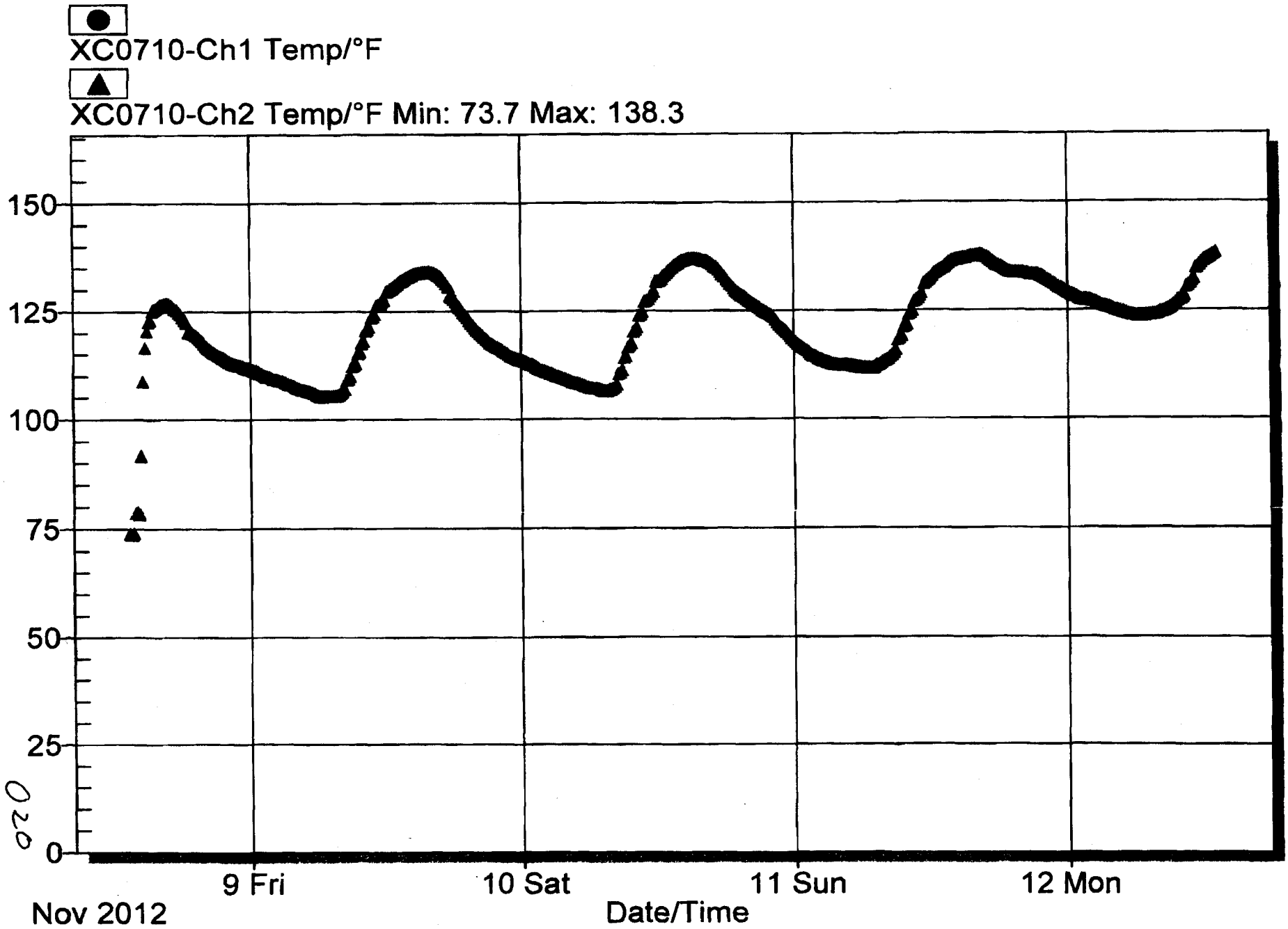
Signature

11/12/12
Date

0 1 0

Downloaded Data - Monday, November 12, 2012

PAD 4 Sealand 2



Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01133
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 9, 2013

FROM: L. M. Nelson LMN LOCATION: CCP Certification

TO: NTP Records Custodian LOCATION: National TRU Program Certification

SUBJECT: RESULTS OF HEADSPACE GAS SAMPLING QUARTERLY REPEAT DATA GENERATION LEVEL DATA REVIEW: SAVANNAH RIVER SITE-REMOTE HANDLED FOURTH CALENDER QUARTER OF 2012.

Procedure CCP-TP-001, *CCP Project Level Data Validation and Verification,* requires that a repeat of Data Generation Level (DGL) review, validation and verification be performed on the data for a minimum of one randomly chosen waste container each quarter. The Site Project Manager (SPM) uses this information to document that the data generation level data review is being performed according to procedures.

Inter-Office Correspondence Number CP:13:01019 was issued January 10, 2013. This memorandum identified container SR503732 as the randomly selected container for DGL repeat of Headspace Gas Sampling (HSG) at the Savannah River Site-Remote-Handled waste for the Fourth calendar quarter of 2012.

The mini Batch Data Report containing SR503732 was reviewed for the quarterly repeat on April 1, 2013. No deficiencies were identified during the review. A second HSG SPM checklist has been completed and authenticated.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

cc: I. S. Joo ED

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1227 QTR0412	Sampling Date: 11/12/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: 90971 SR503732
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR'S
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4/2/2013

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227_QTR0412	Sampling Date: 11/12/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227_QTR0412	Sampling Date: 11/12/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227 QTR0412 **Sampling Date:** 11/12/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	4-1-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Page 1 of 1

HSG Sampling Batch Number: SRHSG1227 QTR0412

Section	Contents	Page No.
1.	HSG Sampling Batch Data Report (Attachment 1)	1
2.	Independent Technical Reviewer (ITR) Review Checklist (Attachment2)	2
3.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	4
4.	Copy of Canister Tags	6
5.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report	10
6.	Sample Container Data Form (Attachment 2 from CCP-TP-093)	11
7.	Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082), if applicable	N/A
8.	Shipment Request Form, if applicable	N/A
9.	72-Hour Temperature Equilibration Plots	13
10.	Copy of NCRs, if applicable	N/A
11.	Copy of COA for FRS, if applicable	N/A

Comments: This is the fourth quarter 2012 Headspace Gas Sampling Quarterly repeat of data generation level review for container SR503732. The duplicate sample container is also being reviewed for proper completion of the ITR checklist.

HSG Independent Technical Reviewer:

Tony McCall — Printed Name

Signature

3-26-13 — Date

1

NTPC RECORDS ORIGINAL
DATE RECD 03-27-13

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1227 QTR0412

1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	✓			
2.	Are calculations correct for the Container Age and temperature equilibrium time, and percent complete?	✓			
3.	Did the waste containers meet the Drum Age Criteria (DAC)?	✓			
4.	Did the waste containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	✓			
5.	Do the temperature plots indicate the waste containers were stored at 18°C (64.5°F) or higher for 72-hours prior to sampling?	✓			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	✓			
6.	Was a Field Duplicate collected once per batch?	✓			
7.	Was a Field Reference Sample (FRS) collected? NA if FRS previously demonstrated the quality assurance objective (QAO) and is no longer required.			✓	
8.	Was a Field Blank collected one per batch prior to sampling waste containers?	✓			
9.	Is the data technically reasonable based upon the technique used?	✓			
10.	Was the sampling equipment checked for leaks after sample collection?	✓			
11.	Was the data generation and reduction conducted in a technically correct manner?	✓			
12.	Was the data reported in proper units and with the correct number of significant figures?	✓			
13.	Were the samples maintained at a temperature between 0°C - 40°C?	✓			

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist (Continued)

HSG Sampling Batch Number: SRHSG1227 QTR0412

14.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	✓		
15.	Are the sampling needle assemblies demonstrated to be clean?	✓		
16.	Has the data been reviewed for transcription errors?	✓		
17.	Was all signed and dated, and the data is recorded clearly, legibly, and accurately?	✓		
18.	Are there less than or equal to 20 waste containers in the batch excluding the quality control (QC) samples?	✓		
19.	Is the procedure number and revision correct?	✓		
20.	Were changes to original data lined out, initialed, and dated by the individual making the change, and a justification included? (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	✓		

Independent Technical Reviewer:

Printed Name

Signature

3-26-13
Date

3-26-13

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 37 Page 1 of 2

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 2	Sample Matrix is Gas	Ambient Conditions	
		Field Batch Number: SRHSG1227		Temperature (centigrade): 23.8	
				Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	111212	EI496	250	5441537	NA	NA	440C	INHSG1205NB	B	NA	1308	1311	30 in Hg	3 in Hg	JA
SR	111212	EIA95	250	5441538	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	29 in Hg	0 in Hg	JA
SR	111212	EI007	250	5441539	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	30 in Hg	4 in Hg	JA
SR	111212	EIA18	250	5441540	SR98008	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1336	1342	30 in Hg	0 in Hg	JA
SR	111212	EIA27	250	5441541	SR98029	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1340	1344	28 in Hg	3 in Hg	JA
SR	111212	EIC91	250	5441542	SR97923	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1331	30 in Hg	1 in Hg	JA
SR	111212	EIA37	250	5441543	SR503732	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1326	1331	30 in Hg	1 in Hg	JA
SR	111212	EI155	250	5441544	SR98045	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1332	30 in Hg	1 in Hg	JA
SR	111212	EI856	250	5441545	SR110845	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1341	29 in Hg	0 in Hg	JA
SR	111212	EI439	250	5441546	SR108108	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1342	30 in Hg	1 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

3-26-13

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 37

Field Batch Number: SRHSG1227					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 11/12/12
Shipping Tracking # 800118661998	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 11/12/12
		Min /Max Thermometer	XC0690 723196	7/12/2013 7/12/2013	JA 11/12/12 JA 11/12/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441547		TID Initials and date: JA 11/12/12			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 11/12/12 1311		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 11/12/12 1530	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

12-3-2013
5

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	4	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG-1227 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	~~111112~~	1308	
Before Sample Collection	M=	P= 30	111212		
Field-	C= 3 in Hg	T= 23.8	111212	1311	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev 109-05)

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005
6

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: SR90971

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 23.8	111212	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 23.8	111212	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

3-26-13

006
7

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	1	0	0	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR90971

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1319	//
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 23.8	111212	1323	//
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

3-26-13
007
8

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	3	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: SR503732

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1326	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 23.8	111212	1331	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	✓ VOC's	Hydrogen	Methane

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

3-26-13

9

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

3-26-13
047
10

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1227

Container ID		Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m²s/m²)	Package Configuration Group No.
1	SR90971	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
2	SR98008	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
3	SR98029	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
4	SR97923	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
5	SR503732	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
6	SR98045	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
7	SR110845	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS & NucFil-DVS307	2	3.7×10^{-6}	NA
8	SR108108	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.7×10^{-6}	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3-21-13

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number: SRHSG1227

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE ID No.: XC0710 Temperature Recorder Calibration Due Date: 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR90971	9/23/1982	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
2	SR98008	12/11/1984	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
3	SR98029	4/21/1977	2/10/2008	11	1737	65	Y	11/9/12 1255	11/12/12 1255
4	SR97923	10/6/1986	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
5	SR503732	11/26/1975	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
6	SR98045	10/13/1976	2/10/2008	11	1737	70	Y	11/9/12 1255	11/12/12 1255
7	SR110845	5/22/1975	3/19/2008	25	1699	90	Y	11/9/12 1255	11/12/12 1255
8	SR108108	5/9/1975	5/12/2008	25	1645	90	Y	11/9/12 1255	11/12/12 1255
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

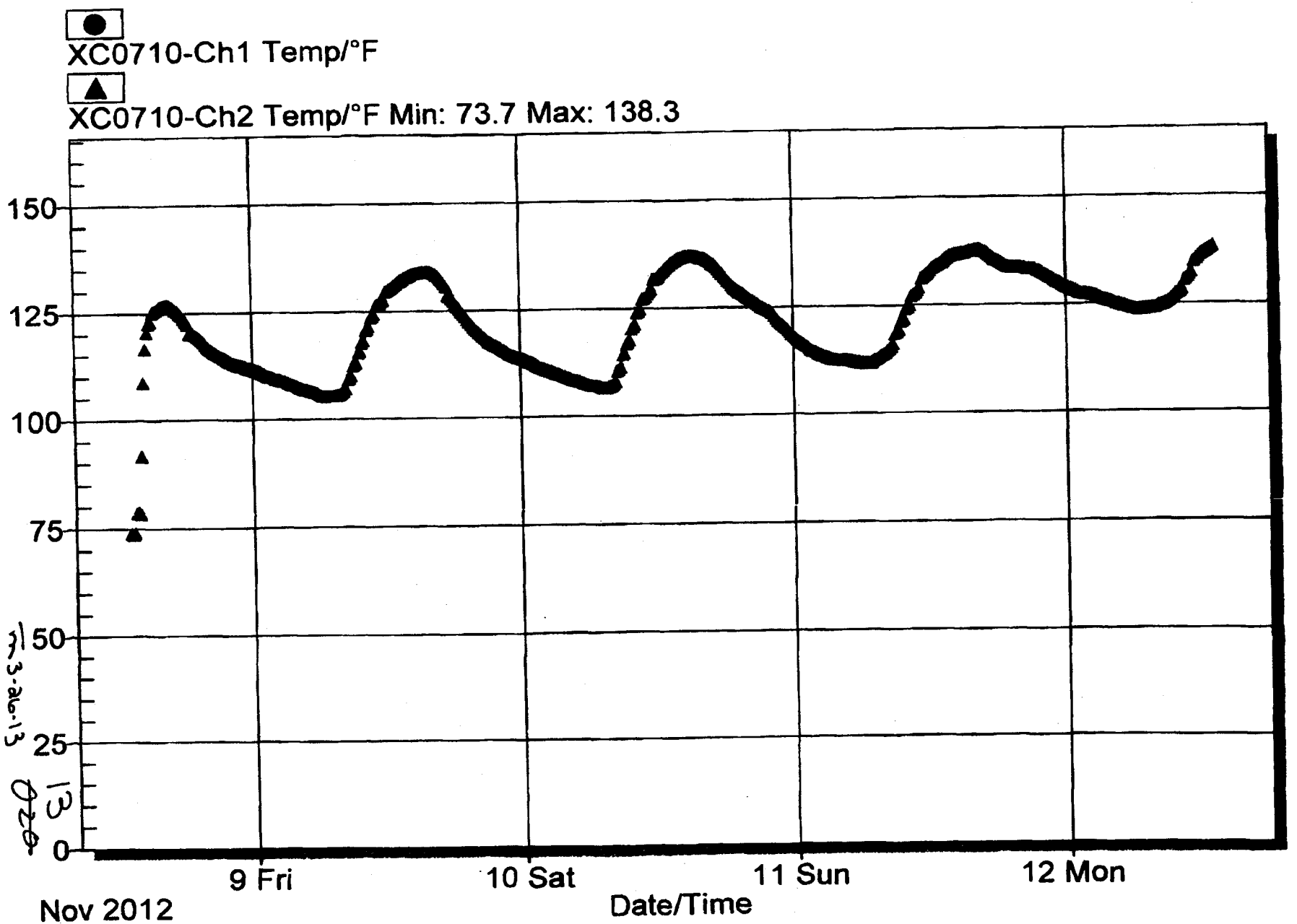
HSG Sampler: James Adams
Print Name

Signature

11/12/12
Date

Downloaded Data - Monday, November 12, 2012

PAD 4 Sealand 2



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4-1-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227_QTR0412	SPM Checklist	4-1-13	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Thomas Myers (Printed Name)	4/2/2013 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3716
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	04/03 09:07
TIME USE	00'14
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7085

Fax Number: 575-234-7033

[ ] Original Record
[ ] Fax Record
[X] Electronic Record

[ ] Copy

Attn:	Sheila Pearcy	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4-1-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227_QTR0412	SPM Checklist	4-1-13	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-02-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227_QTR0412	RH HSG_SUMMA SAMPLING QUARTERLY BDR	03/26/13	13
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	4.17.13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4308
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/17 14:22
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-02-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227_QTR0412	RH HSG_SUMMA SAMPLING QUARTERLY BDR	03/26/13	13
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

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DIVIDER

PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01131
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 9, 2013

FROM: L. M. Nelson

LOCATION: CCP Certification

TO: W. P. Tilmon ED

LOCATION: CCP Operations
Savannah River Site

SUBJECT: FIRST QUARTER 2013 (JANUARY 1, 2013 THROUGH MARCH 31, 2013) HEADSPACE GAS SAMPLING QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Headspace Gas Sampling (HSG) at the Savannah River Site has completed 90 days of reporting from January 1, 2013 through March 31, 2013. Container number SR545535, Batch Data Report (BDR) SRHSG1304, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the mini-drum package provided to a qualified HSG operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the HSG quarterly repeat of DGL and return the mini-BDR with the naming convention "SRHSG1304_QTR0113" by May 13, 2013 to the Central Characterization Program Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment) (with attachment)

I. S. Joo ED NTP Records Custodian GSA-212

NTPC RECORDS ORIGINAL
DATE REC'D 5-22-13

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid	Point of Origin: TRU PAD 4 Seaband 1	Sample Matrix is Gas	Ambient Conditions
	COC Number: SRHSG1304		Temperature (centigrade): 28.4 & 18.7
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	021113	EI209	250	5441611	NA	NA	441C	INHSG1205NB	B	NA	1309	1312	30 in. Hg	3 in. Hg	JA
SR	021113	EIB56	250	5441612	SR526224	SR-RH-221H.01	443C	INHSG1205NB	D	Y	1315	1320	29 in. Hg	4 in. Hg	JA
SR	021113	EIC19	250	5441613	SR526224	SR-RH-221H.01	443C	INHSG1205NB	D	Y	1315	1320	30 in. Hg	0 in. Hg	JA
SR	021113	EI823	250	5441614	SR570548	SR-RH-221H.01	435C	INHSG1205NB	SS	Y	1322	1326	28 in. Hg	0 in. Hg	JA
SR	021913	EIA41	250	5441615	SR526226	SR-RH-221H.01	448C	INHSG1205NB	SS	Y	1342	1345	29 in. Hg	0 in. Hg	JA
SR	021913	EI454	250	5441616	SR513955	SR-RH-221H.01	448C	INHSG1205NB	SS	Y	1344	1348	30 in. Hg	1 in. Hg	JA
SR	021913	EI566	250	5441617	SR546535	SR-RH-221H.01	437C	INHSG1205NB	SS	Y	1345	1349	29 in. Hg	2 in. Hg	JA
SR	021913	EI862	250	5441618	SR513961	SR-RH-221H.01	443C	INHSG1205NB	SS	Y	1350	1353	29 in. Hg	0 in. Hg	JA
SR	021913	EIA35	250	5441619	SR522331	SR-RH-221H.01	443C	INHSG1205NB	SS	Y	1351	1355	29 in. Hg	0 in. Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

F 4 31 2013

Attachment 1 – Chain of Custody/Canister Tag (Continued)

COC Number: SRHSG1304		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Comments: NA		Pressure Meter	XC0142	8/24/2013	JA 2/11/13
Analytical Laboratory - ECL		Thermometer	SW0021	1/5/2014	JA 2/11/13
Shipping Tracking # 800118715590	Method of Shipping FedEx	Min /Max Thermometer	723204 723208	9/24/2013 9/24/2013	JA 2/11/13 JA 2/11/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441610		TID Initials and Date: JA 2/19/13			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 2/11/13 1312	[redacted]	
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 2/19/13 1630	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	2	0	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR115&1304 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=28.4	021113	1309	
Before Sample Collection	M=	P=30			
Field-	C=3 in Hg	T=28.4	021113	1312	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Fr-2-20-13 6 of 9

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	B	5	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61804 **Drum Number:** SRS26224

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1330	TBL
Cleaning Batch: 443C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 28.4	021113	1315	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 28.4	021113	1320	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? 2/11/13 (Y) (N) **(Circle one)**

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Fr 2.20.13 to

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	C	1	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1304 Drum Number: SR526224

Sampling Organization: CCP Sample Description: DUPLICATE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1330	TBL
Cleaning Batch: 443C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 28.4	021113	1315	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 28.4	021113	1320	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-03)

Tm 2-20-13 8

GAS SAMPLE CANISTER TAG

S	R	0	2	1	9	1	3	E	I	5	6	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRH561304 **Drum Number:** SR545535

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 29 in Hg	T= 18.7	021913	1345	[illegible]
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 18.7	021913	1349	[illegible]
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

F-2-20-13 TT 12

From:	Catherine A Crowder
To:	Dale A. Dover; charles.turner@wioo.ws
Subject:	Needle Assembly Blanks
Date:	Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

F-2-20-13 #4 15

Attachment 2 – Sample Container Data Form

Field Batch Number:SRHSG1304

Container ID		Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR526224	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS, NucFil-DVS307	2	3.70×10^{-6}	NA
2	SR570548	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.70×10^{-6}	3
3	SR526226	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.70×10^{-6}	NA
4	SR513955	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.70×10^{-6}	NA
5	SR545535	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS, NucFil-013	2	3.70×10^{-6}	NA
6	SR513961	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.70×10^{-6}	NA
7	SR522331	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.70×10^{-6}	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Attachment 2 – Sample Container Data Form (Continued)

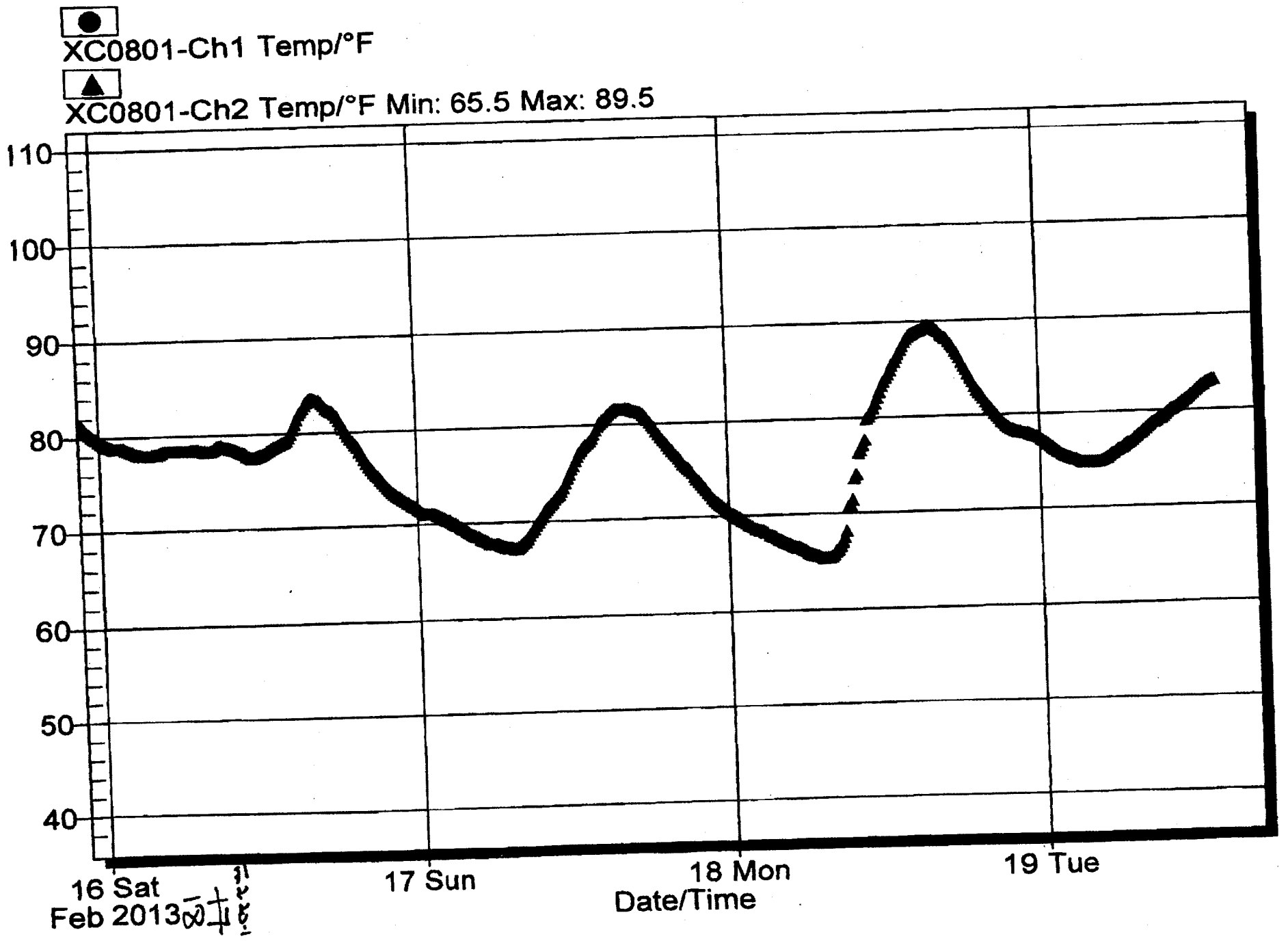
Field Batch Number:SRHSG1304

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0713 & XC0801 Temperature Recorder Calibration Due Date: 5/8/2013 & 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR526224	11/27/1984	5/23/2007	25	2091	50	Y	2/8/13 1259	2/11/13 1259
2	SR570548	11/27/1990	11/27/1990	46	8112	65	Y	2/8/13 1259	2/11/13 1259
3	SR526226	11/27/1984	3/18/2008	25	1799	50	Y	2/16/13 1335	2/19/13 1335
4	SR513955	4/9/1981	2/7/2008	11	1839	70	Y	2/16/13 1335	2/19/13 1335
5	SR545535	11/13/1986	5/23/2007	25	2099	45	Y	2/16/13 1335	2/19/13 1335
6	SR513961	4/9/1981	7/12/2007	11	2049	80	Y	2/16/13 1335	2/19/13 1335
7	SR522331	1/26/1984	2/7/2008	25	1839	35	Y	2/16/13 1335	2/19/13 1335
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

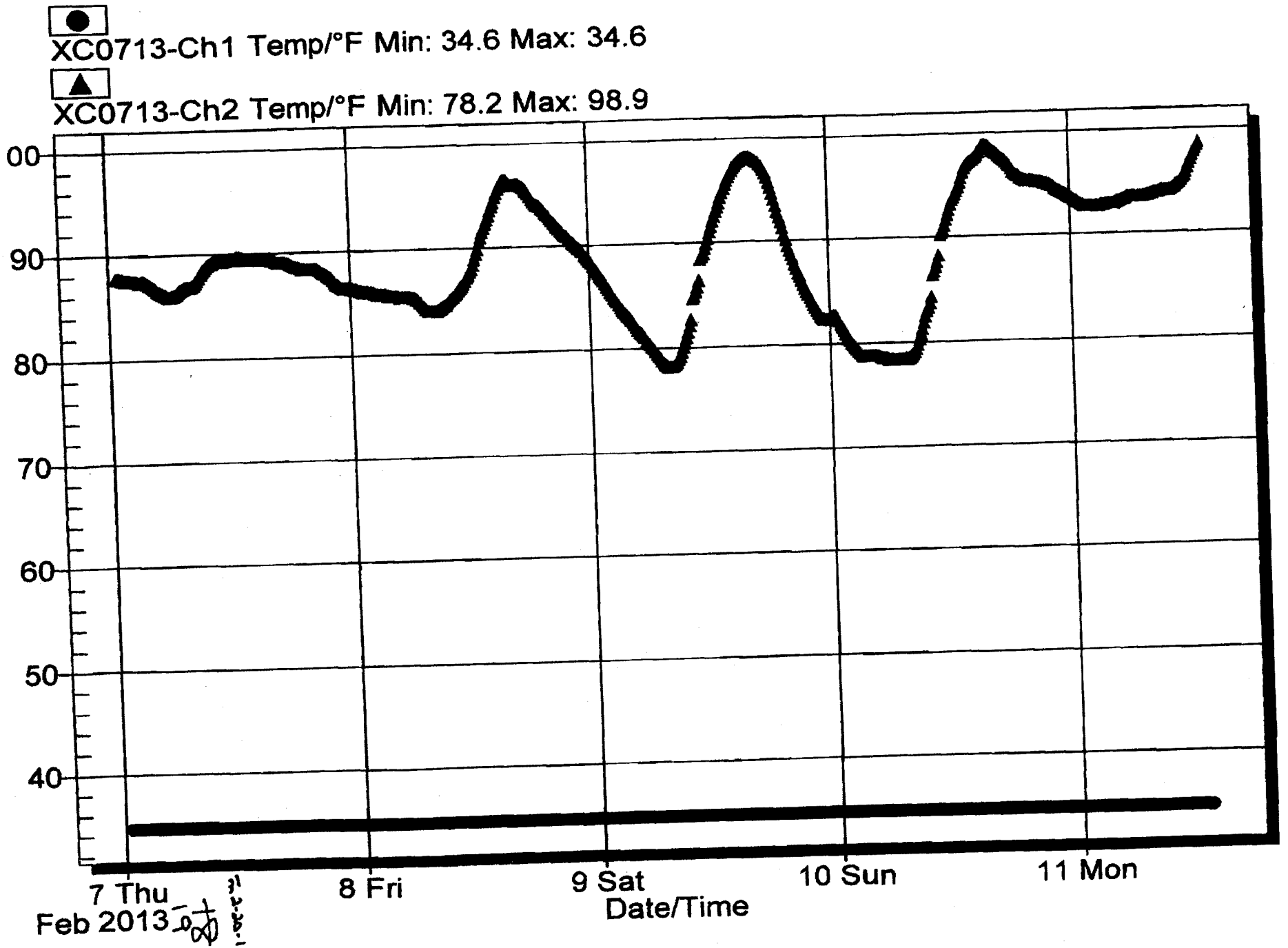
HSG Sampler: James Adams — 2/19/13

Print Name — Signature — Date

Downloaded Data - Tuesday, February 19, 2013



Downloaded Data - Monday, February 11, 2013



NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01160
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 17, 2013

FROM: L. M. Nelson LOCATION: CCP Certification

TO: NTPC Records Custodian LOCATION: National TRU Program Certification

SUBJECT: RESULTS OF HEADSPACE GAS SAMPLING QUARTERLY REPEAT DATA GENERATION LEVEL DATA REVIEW: SAVANNAH RIVER SITE-REMOTE HANDLED FIRST CALENDER QUARTER OF 2013.

Procedure CCP-TP-001, *CCP Project Level Data Validation and Verification,* requires that a repeat of Data Generation Level (DGL) review, validation and verification be performed on the data for a minimum of one randomly chosen waste container each quarter. The Site Project Manager (SPM) uses this information to document that the data generation level data review is being performed according to procedures.

Inter-Office Correspondence Number CP:13:01131 was issued April 9, 2013. This memorandum identified container SR545535 as the randomly selected container for DGL repeat of Headspace Gas Sampling (HSG) at the Savannah River Site-Remote-Handled waste for the First calendar quarter of 2013.

The mini Batch Data Report containing SR545535 was reviewed for the quarterly repeat on April 17, 2013. No deficiencies were identified during the review. A second HSG SPM checklist has been completed and authenticated.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

cc: I. S. Joo ED

NTPC RECORDS ORIGINAL
DATE REC'D 5-22-13

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1304 QTR0113	**Sampling Date: 2/11, 19/13**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR545535 SR526224
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR'S
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4-17-13

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1304_QTR0113	**Sampling Date:** 2/11, 19/13			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1304 QTR0113	Sampling Date: 2/11, 19/13			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1304_QTR0113	Sampling Date: 2/11, 19/13			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NA				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Laura Nelson	Laura Nelson			4/17/13
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report

Page 1 of 1

HSG Sampling Batch Number: SRHSG1304 QTR0113

Section	Contents	Page No.
1.	HSG Sampling Batch Data Report (Attachment 1)	1
2.	Independent Technical Reviewer (ITR) Review Checklist (Attachment2)	2
3.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	4
4.	Copy of Canister Tags	6
5.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report	10
6.	Sample Container Data Form (Attachment 2 from CCP-TP-093)	11
7.	Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082), if applicable	N/A
8.	Shipment Request Form, if applicable	N/A
9.	72-Hour Temperature Equilibration Plots	13
10.	Copy of NCRs, if applicable	N/A
11.	Copy of COA for FRS, if applicable	N/A

Comments: This is the first quarter 2013 Headspace Gas Sampling Quarterly repeat of data generation level review for container SR545535. The duplicate sample container is also being reviewed for proper completion of the ITR checklist.

HSG Independent Technical Reviewer:

Tony McCall — Printed Name

Signature

4-16-13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 04-16-13

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1304_QTR0113

1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	✓			
2.	Are calculations correct for the Container Age and temperature equilibrium time, and percent complete?	✓			
3.	Did the waste containers meet the Drum Age Criteria (DAC)?	✓			
4.	Did the waste containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	✓			
5.	Do the temperature plots indicate the waste containers were stored at 18°C (64.5°F) or higher for 72-hours prior to sampling?	✓			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	✓			
6.	Was a Field Duplicate collected once per batch?	✓			
7.	Was a Field Reference Sample (FRS) collected? NA if FRS previously demonstrated the quality assurance objective (QAO) and is no longer required.			✓	
8.	Was a Field Blank collected one per batch prior to sampling waste containers?	✓			
9.	Is the data technically reasonable based upon the technique used?	✓			
10.	Was the sampling equipment checked for leaks after sample collection?	✓			
11.	Was the data generation and reduction conducted in a technically correct manner?	✓			
12.	Was the data reported in proper units and with the correct number of significant figures?	✓			
13.	Were the samples maintained at a temperature between 0°C - 40°C?	✓			

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist (Continued)

Page 2 of 2

HSG Sampling Batch Number: SRHSG1304 QTR0113

14.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	✓		
15.	Are the sampling needle assemblies demonstrated to be clean?	✓		
16.	Has the data been reviewed for transcription errors?	✓		
17.	Was all signed and dated, and the data is recorded clearly, legibly, and accurately?	✓		
18.	Are there less than or equal to 20 waste containers in the batch excluding the quality control (QC) samples?	✓		
19.	Is the procedure number and revision correct?	✓		
20.	Were changes to original data lined out, initialed, and dated by the individual making the change, and a justification included? (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	✓		

Independent Technical Reviewer:

Tony McCall
Printed Name

Signature

4-16-13
Date

Page 1 of 2

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid	Point of Origin: TRU PAD 4 Sealand 1	Sample Matrix is Gas	Ambient Conditions
	COC Number: SRHSG1304		Temperature (centigrade): 28.4 & 18.7
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	021113	EI209	250	5441611	NA	NA	441C	INHSG1206NB	B	NA	1309	1312	30 in. Hg	3 in. Hg	JA
SR	021113	EIB56	250	5441612	SR526224	SR-RH-221H.01	443C	INHSG1205NB	D	Y	1315	1320	29 in. Hg	4 in. Hg	JA
SR	021113	EIC19	250	5441613	SR526224	SR-RH-221H.01	443C	INHSG1205NB	D	Y	1315	1320	30 in. Hg	0 in. Hg	JA
SR	021113	EI823	250	5441614	SR570648	SR-RH-221H.01	435C	INHSG1206NB	SS	Y	1322	1326	28 in. Hg	0 in. Hg	JA
SR	021913	EIA41	250	5441615	SR526226	SR-RH-221H.01	448C	INHSG1205NB	SS	Y	1342	1345	29 in. Hg	0 in. Hg	JA
SR	021913	EI454	250	5441616	SR513965	SR-RH-221H.01	448C	INHSG1205NB	SS	Y	1344	1348	30 in. Hg	1 in. Hg	JA
SR	021913	EI586	250	5441617	SR545535	SR-RH-221H.01	437C	INHSG1206NB	SS	Y	1345	1349	29 in. Hg	2 in. Hg	JA
SR	021913	EI662	250	5441618	SR513961	SR-RH-221H.01	443C	INHSG1205NB	SS	Y	1350	1353	29 in. Hg	0 in. Hg	JA
SR	021913	EIA35	250	5441619	SR522331	SR-RH-221H.01	443C	INHSG1205NB	SS	Y	1351	1355	29 in. Hg	0 in. Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

Attachment 1 – Chain of Custody/Canister Tag (Continued)

COC Number: SRHSG1304					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 2/11/13
Shipping Tracking # 800118715590	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 2/11/13
		Min /Max Thermometer	723204 723208	9/24/2013 9/24/2013	JA 2/11/13 JA 2/11/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441610		TID Initials and Date: JA 2/19/13			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 2/11/13 1312	[redacted]	
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 2/19/13 1630	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	1	2	0	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR1156 1304 Drum Number: N/A

Sampling Organization: CLP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=25.4	021113	1304	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T=25.4	021113	1512	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-03)

2-20-13

46

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	B	5	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1304 Drum Number: SRS26224

Sampling Organization: CCP Sample Description: DUPLICATE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1330	TBL
Cleaning Batch: 443C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 28.4	021113	1315	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 28.4	021113	1320	
After Sample Collection	M=	P= 20			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? ~~Y~~ (N) 2/11/13 (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Fm 2-20-13

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	C	1	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR456/304 Drum Number: SR526224

Sampling Organization: CCP Sample Description: DUPLICATE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory Cleaning Batch: 443C	C= M= <5.0E-2	T= 22 P= 643T	083012	1330	TBL
Field- Before Sample Collection	C= 30 in Hg M=	T= 28.4 P= 30	021113	1315	
Field- After Sample Collection	C= 0 in Hg M=	T= 28.4 P= 30	021113	1320	
Analytical Laboratory	C= M=	T= P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-03)

T-2-20-13 8

GAS SAMPLE CANISTER TAG

S	R	0	2	1	9	1	3	E	I	5	6	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR4561304 **Drum Number:** SR545535

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 29 in Hg	T= 18.7	021913	1345	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 18.7	021913	1349	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Fri 2-20-13
11-12
9

Fri 4-16-13

From:	Catherine A Crowder
To:	Dale A. Dower; charles.turner@wipp.ws
Subject:	Needle Assembly Blanks
Date:	Monday, July 30, 2012 9:46:33 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

F 4-16-13 10

F 2-20-13 +9 +5

Page 1 of 2

Attachment 2 – Sample Container Data Form

Field Batch Number:SRHSG1304

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/m²)	Package Configuration Group No.
1	SR526224	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS, NucFil-DVS307	2	3.70×10^{-6}	NA
2	SR570548	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.70×10^{-6}	3
3	SR526226	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.70×10^{-6}	NA
4	SR513955	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.70×10^{-6}	NA
5	SR545535	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS, NucFil-013	2	3.70×10^{-6}	NA
6	SR513961	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.70×10^{-6}	NA
7	SR522331	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.70×10^{-6}	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number:SRHSG1304

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /D No.: XC0713 & XC0801 Temperature Recorder Calibration Due Date: 5/8/2013 & 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR526224	11/27/1984	5/23/2007	25	2091	50	Y	2/8/13 1259	2/11/13 1259
2	SR570548	11/27/1990	11/27/1990	48	8112	65	Y	2/8/13 1259	2/11/13 1259
3	SR526226	11/27/1984	3/18/2008	25	1799	50	Y	2/16/13 1335	2/19/13 1335
4	SR513955	4/9/1981	2/7/2008	11	1839	70	Y	2/16/13 1335	2/19/13 1335
5	SR545535	11/13/1986	5/23/2007	25	2099	45	Y	2/16/13 1335	2/19/13 1335
6	SR513961	4/9/1981	7/12/2007	11	2049	80	Y	2/16/13 1335	2/19/13 1335
7	SR522331	1/26/1984	2/7/2008	25	1839	35	Y	2/16/13 1335	2/19/13 1335
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

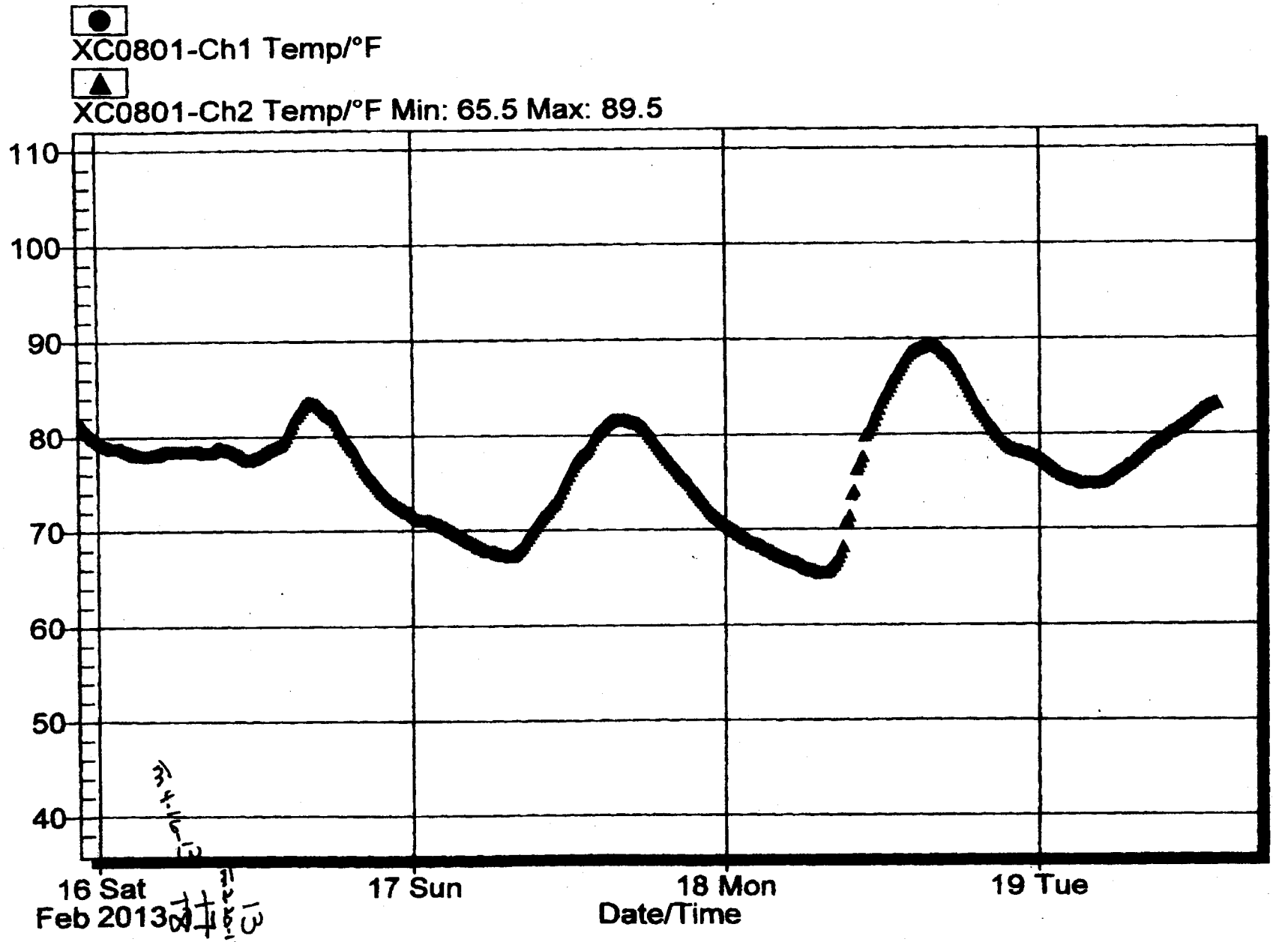
HSG Sampler: Jason Adams
Print Name

Signature

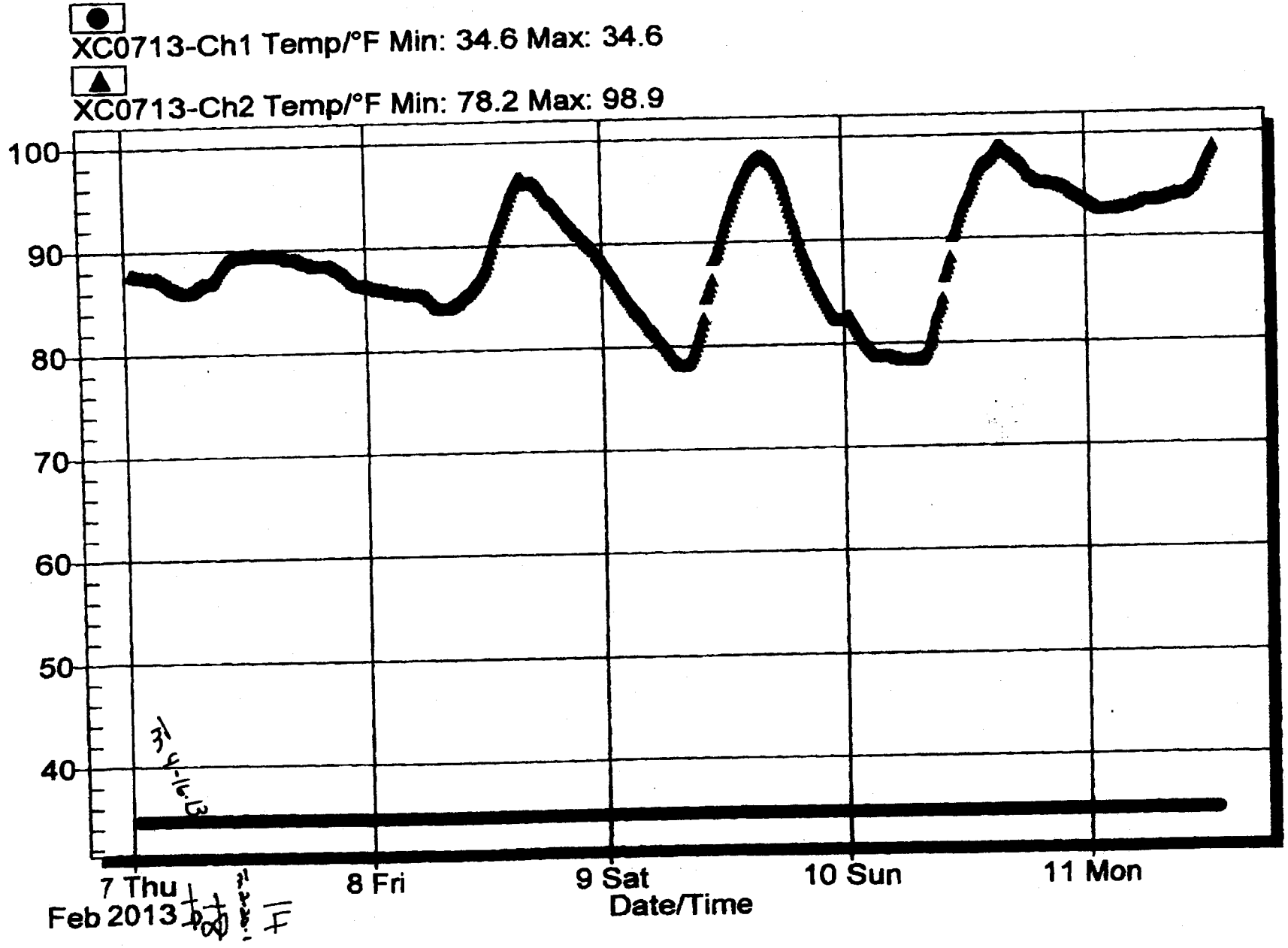
2/19/13
Date

2-19-13
2-19-13

Downloaded Data - Tuesday, February 19, 2013



Downloaded Data - Monday, February 11, 2013



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Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

	Original Record
	Fax Record
X	Electronic Record

☐ Copy

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/17/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1304_QTR 0113	SPM Checklist	4/17/13	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted ☒	Signature	Austin Peralta (Printed Name)	4-17-13 (Date)
Records Rejected ☐	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4299
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	04/17 08:18
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA;212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/17/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1304_QTR 0113	SPM Checklist	4/17/13	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-23-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1304_QTR0113	RH HSG_SUMMA SAMPLING QUARTERLY BDR – 1ST QTR 2013	04/16/13	14
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	5/15/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	0416
DESTINATION TEL #	918032081690
DESTINATION ID	SRS •
ST. TIME	05/15 08:58
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-23-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1304_QTR0113	RH HSG_SUMMA SAMPLING QUARTERLY BDR – 1ST QTR 2013	04/16/13	14
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

DIVIDER

PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01130
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 9, 2013

FROM: L. M. Nelson LNelson LOCATION: CCP Certification

TO: W. P. Tilmon ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: FIRST QUARTER 2013 (January 1, 2013 THROUGH MARCH 31, 2013) REAL-TIME RADIOGRAPHY QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Real-Time Radiography (RTR) at the Savannah River Site has completed 90 days of reporting from January 1, 2013 through March 31, 2013. Container number SR523111DD, Batch Data Report (BDR) SR4RTR0315, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the mini-drum package provided to a qualified RTR operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the RTR quarterly repeat of DGL and return the mini-BDR with the naming convention "SR4RTR0315_QTR0113" by May 13, 2013 to the Central Characterization Program Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment) (with attachment)

I. S. Joo ED NTP Records Custodian GSA-212

NTPC RECORDS ORIGINAL
DATE REC'D 5-22-13

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0315		
Examination Date: 2/6/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond (Printed Name)	(Signature)	2/6/13 (Date)

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0315		
Examination Date: 2/7/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 13 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	2/7/13 (Date)

3A

CCP Radiography Data Sheet

Section 1: General Information		
☐ RTR Examination	☒ RTR Replicate Scan	☐ RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0315	
Examination Date:	2/7/2013	
Waste Container ID:	SR46073PA	
Video/Audio Recorded Media Number:	SR4RTR0315	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-MNDPAD1.01
Waste Container Weights:	Gross Wt.: 38.0 kg Tare Wt.: 33.4 kg Net Wt.: 4.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	20 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR46073PA

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal in-line filters, scrap metal, filter debris
AM:
OM:
OI:
C:
R:
XPM: Plastic bag, plastic sleeving
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR46073PA

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan Agrees with the original Scan. 2-7-13

RTR Operator:

Steve Redmond		2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR501392A
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.0 kg Tare Wt.: 33.4 kg Net Wt.: 14.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	50 %

CCP Radiography Data Sheet

Waste Container ID: SR501392A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Hand tools, scrap metal, metal lids, metal containers
AM:	
OM:	
OI:	Absorbent, glassware
C:	Tape
R:	Rubber gloves
XPM:	Plastic bag, absorbent towels, plastic sleeving, plastic tubing
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	3.3
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR501392A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation Agrees with the original SCAN. 2-7-13

RTR Operator:

Steve Redmond		2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR501392A
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.0 kg Tare Wt.: 33.4 kg Net Wt.: 14.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	55 %

34

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR501392A

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, hand tools, metal cans, metal lids
AM:	
OM:	
OI:	Glassware, absorbent, broken glass at 24"
C:	Tape
R:	Rubber gloves
XPM:	Plastic bags, absorbent pads, plastic labware, plastic tubing, plastic bottles
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.4
Cellulosics (C):	0.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.6

CCP Radiography Data Sheet

Waste Container ID: SR501392A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR46073PA
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-MNDPAD1.01
Waste Container Weights:	Gross Wt.: 38.0 kg Tare Wt.: 33.4 kg Net Wt.: 4.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	25 %

37

CCP Radiography Data Sheet

Waste Container ID: SR46073PA

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal in-line filters, scrap metal, filter debris
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR46073PA

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

John Brookshire	John Brookshire	2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR523111DD
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 59.0 kg Tare Wt.: 27.7 kg Net Wt.: 31.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

CCP Radiography Data Sheet

Waste Container ID: SR523111DD

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal wire, filter debris, metal bottle, metal hardware
AM:	
OM:	
OI:	Absorbent
C:	Filter media, tape, wood, filters
R:	Rubber gloves
XPM:	Plastic bags, plastic containers, plastic tubing and fitting, plastic labware, plastic sheeting, electrical cord
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.3
Cellulosics (C):	4.7
Rubber (R):	1.3
Plastics (waste materials) (XPM):	16.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.3

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR523111DD

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/7/2013
Print Name	Signature	Date

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01171
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 24, 2013

FROM: L. M. Nelson LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: RESULTS FOR REAL-TIME RADIOGRAPHY QUARTERLY REPEAT DATA GENERATION LEVEL DATA REVIEW: SAVANNAH RIVER SITE- REMOTE-HANDLED FIRST CALANDER QUARTER OF 2013

Procedure CCP-TP-001, *CCP Project Level Data Validation and Verification,* requires that a repeat of Data Generation Level (DGL) review, validation and verification be performed on the data for a minimum of one randomly chosen waste container each quarter. The Site Project Manager (SPM) uses this information to document that the data generation level data review is being performed according to procedures.

Inter-Office Correspondence number CP:13:01130 was issued April 9, 2013. This memorandum identified waste container SR523111DD as the randomly selected container for DGL repeat of Real-Time Radiography (RTR) at the Savannah River Site- Remote-Handled waste for the First calendar quarter of 2013.

The mini-Batch Data Report containing SR523111DD was reviewed for the quarterly repeat on April 22, 2013. No deficiencies were identified during the review. A second SPM Checklist has been completed and authenticated.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

cc: I. S. Joo ED

NTPC RECORDS ORIGINAL
DATE REC'D 5-3-13

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0315 QTR0113 **Examination Date:** 2/7/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR501392A SR46073PA SR523111DD
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	NO NCRS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4-22-13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0315 QTR0113 **Examination Date:** 2/7/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	NO DISCREPENCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0315 QTR0113 **Examination Date:** 2/7/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	4-22-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0315_QTR0113 ☐ CH ☑ RH Date: 4/17/13

Waste Container ID Numbers	
Replicate Scan:	SR46073PA
Independent Observation:	SR501392A
1	SR501392A
2	SR46073PA
3	SR523111DD
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: John Brookshire — Printed Name
John Brookshire — Signature
4/17/13 — Date

Independent Technical Reviewer:
Georgia N. Kareis — Printed Name
Georgia N. Kareis — Signature
4-18-13 — Date

NTPC RECORDS ORIGINAL
DATE RECD 04-18-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0315_QTR0113 Date: 4/17/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	19

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

The original BDR SR4RTR0315 was processed on 2/6/13 through 2/7/13 and was used in reference to this First Quarterly Report for 2013.

John Brookshire
RTR Operator

John Brookshire
Signature

4/17/13
Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0315		
Examination Date: 2/7/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 13 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	2/7/13 (Date)

3A JMS 4/17/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR46073PA
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-MNDPAD1.01
Waste Container Weights:	Gross Wt.: 38.0 kg Tare Wt.: 33.4 kg Net Wt.: 4.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	20 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR46073PA

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal in-line filters, scrap metal, filter debris
AM:
OM:
OI:
C:
R:
XPM: Plastic bag, plastic sleeving
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR46073PA

Section 5: RTR Summary (Questions marked "Yes" must be explained in the Comments area except for question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan Agrees with the original Scan. 2-7-13

RTR Operator:

Steve Redmond		2/7/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR501392A
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.0 kg Tare Wt.: 33.4 kg Net Wt.: 14.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	50 %

CCP Radiography Data Sheet

Waste Container ID: SR501392A

Section 3: Container Inventory and Comments (Detailed description)

IM: Hand tools, scrap metal, metal lids, metal containers

AM:

OM:

OI: Absorbent, glassware

C: Tape

R: Rubber gloves

XPM: Plastic bag, absorbent towels, plastic sleeving, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	3.3
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR501392A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comments above pursuant to Question 12)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation Agrees with the original SCAN. 2-7-13

RTR Operator:

Steve Redmond		2/7/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR501392A
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.0 kg Tare Wt.: 33.4 kg Net Wt.: 14.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	55 %

34 10
JMB 4/17/13

CCP Radiography Data Sheet

Waste Container ID: SR501392A

Section 3: Container Inventory and Comments	Detailed description
IM:	Scrap metal, hand tools, metal cans, metal lids
AM:	
OM:	
OI:	Glassware, absorbent, broken glass at 24"
C:	Tape
R:	Rubber gloves
XPM:	Plastic bags, absorbent pads, plastic labware, plastic tubing, plastic bottles
OR:	
IN:	
S:	

Section 4. Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.4
Cellulosics (C):	0.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.6

35 11
JW 4/17/13

CCP Radiography Data Sheet

Waste Container ID: SR501392A

Section 5: RTR Summary (Questions marked 'Yes' will be explained in the Comments box except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/7/2013
Print Name	Signature	Date

36 12
MB 4/17/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR46073PA
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-MNDPAD1.01
Waste Container Weights:	Gross Wt.: 38.0 kg Tare Wt.: 33.4 kg Net Wt.: 4.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	25 %

37-13
JMB 4/17/13

CCP Radiography Data Sheet

Waste Container ID: SR46073PA

Section 3: Container Inventory and Comments	Data Qualifications
IM: Metal in-line filters, scrap metal, filter debris	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic bags	
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	4.6

38 14

JM 4/n/13

CCP Radiography Data Sheet

Waste Container ID: SR46073PA

Section 5: RTR Summary (Questions answered "Yes" to be explained in the comments block on page 1 of Section 5)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/7/2013
Print Name	Signature	Date

39 15
MB 4/11/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0315
Examination Date:	2/7/2013
Waste Container ID:	SR523111DD
Video/Audio Recorded Media Number:	SR4RTR0315 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 59.0 kg Tare Wt.: 27.7 kg Net Wt.: 31.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

40 16
MS 4/17/13

CCP Radiography Data Sheet

Waste Container ID: SR523111DD

Section 3: Container Inventory and Comments (Detailed description)	
IM:	Scrap metal, metal wire, filter debris, metal bottle, metal hardware
AM:	
OM:	
OI:	Absorbent
C:	Filter media, tape, wood, filters
R:	Rubber gloves
XPM:	Plastic bags, plastic containers, plastic tubing and fitting, plastic labware, plastic sheeting, electrical cord
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.3
Cellulosics (C):	4.7
Rubber (R):	1.3
Plastics (waste materials) (XPM):	16.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.3

4 17
4/17/13

CCP Radiography Data Sheet

Waste Container ID: SR523111DD

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comments Block or on additional sheet.)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	
RTR Operator: John Brookshire (Print Name) — Signature — 2/7/2013 (Date)	

42 18
JB 4/17/13

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0315_QTR0113

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No. SR4RTR0315_QTR0113

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A JAK 4-18-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
Georgia N. Karels	Georgia N. Karels	4-18-13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/22/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0315_QTR0113	SPM Checklist	4/22/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Austin Peralta (Printed Name)	4-22-13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4405
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	04/22 11:46
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Austin Peralta	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	4/22/13
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SR4RTR0315_QTR0113	SPM Checklist	4/22/13	3
	NA		

Comments

NA

(When the Record requested line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0315_QTR0113	RH RTR QUARTERLY BDR – 1ST QUARTER 2013	04/17/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Austin Peralta (Printed Name)	4-30-13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4606
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/30 15:09
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-25-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0315_QTR0113	RH RTR QUARTERLY BDR – 1ST QUARTER 2013	04/17/13	20
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01290
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: July 9, 2013

FROM: L. M. Nelson

LOCATION: CCP Certification

TO: W. P. Tilmon ED

LOCATION: CCP Operations
Savannah River Site

SUBJECT: SECOND QUARTER 2013 (APRIL 1, 2013 THROUGH JUNE 30, 2013) REAL-TIME RADIOGRAPHY QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Real-Time Radiography (RTR) at the Savannah River Site has completed 91 days of reporting from April 1, 2013 through June 30, 2013. Container number SR608873C, Batch Data Report (BDR) SRLBR0088, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the attached mini-drum package to a qualified RTR operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the RTR quarterly repeat of DGL and return the mini-BDR with the naming convention "SRLBR0088_QTR0213" by August 12, 2013 to the National TRU Program Certification Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment) (with attachment)

I. S. Joo ED NTPC Records Custodian GSA-212

NTPC RECORDS ORIGINAL
DATE REC'D 7/17/13

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 04/23/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #6 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	04/23/13
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 4/24/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond (Printed Name)	(Signature)	4/24/13 (Date)

3A

CCP Radiography Data Sheet

Section 1 General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2 Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

Waste Container ID: SR608873C

Section 3 Container Inventory and Comments

IM: Hand tool, scrap metal, metal fitting, metal containers, metal caps, metal funnel, metal hardware

AM:

OM:

OI: Glassware

C:

R: Rubber gloves

XPM: Plastic sheeting, plastic bags, plastic containers, plastic caps

OR:

IN:

S:

Section 4 Packaging Material and Waste Material Parameter

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	4.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	14.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

5

CCP Radiography Data Sheet

Waste Container ID: SR608873C

[illegible]	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code(s))?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
[illegible]	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: This Replicate SCAN Agrees with the original SCAN.
4-23-13

RTR Operator:

Steve Redmond	[signature]	4/23/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1. General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR585133H
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2. Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

7

CCP Radiography Data Sheet

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments
IM: Scrap metal, metal containers, metal caps, scissors at 18", hand tool
AM:
OM:
OI: Glassware, broken glass
C:
R: Rubber gloves
XPM: Plastic sheeting, plastic containers, plastic bags
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code(s))?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation Agrees with the original SCAR. SR 4-23-13

RTR Operator:

Steve Redmond		4/23/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

Section 1 - General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2 - Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

10

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 3: Container Inventory and Comments

IM: Scrap metal, small metal containers, metal funnel

AM: Aluminum racks

OM:

OI: Glassware, absorbent

C:

R: Rubber gloves

XPM: Plastic bags, plastic lab ware, plastic sheeting, plastic containers, plastic caps

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	0.4
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	15.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

11

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0088	
Examination Date:	4/23/2013	
Waste Container ID:	SR585133H	
Video/Audio Recorded Media Number:	SRLBR0088	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	40 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments

IM:	Scrap metal, small metal containers, scissors at 19", metal fittings, metal tray, metal hardware, hand tool
AM:	
OM:	
OI:	Broken glass throughout the bottom
C:	
R:	Rubber gloves
XPM:	Plastic bags, plastic lab ware, plastic sheeting, plastic containers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	15.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

14

CCP Radiography Data Sheet

Waste Container ID: SR585133H

Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

15

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01345
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: August 5, 2013

FROM: L. M. Nelson L. Nelson LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: RESULTS FOR REAL-TIME RADIOGRAPHY QUARTERLY REPEAT DATA GENERATION LEVEL DATA REVIEW: SAVANNAH RIVER SITE- REMOTE-HANDLED SECOND CALANDER QUARTER OF 2013

Procedure CCP-TP-001, *CCP Project Level Data Validation and Verification,* requires that a repeat of Data Generation Level (DGL) review, validation and verification be performed on the data for a minimum of one randomly chosen waste container each quarter. The Site Project Manager (SPM) uses this information to document that the data generation level data review is being performed according to procedures.

Inter-Office Correspondence number CP:13:01290 was issued July 9, 2013. This memorandum identified waste container SR608873C as the randomly selected container for DGL repeat of Real-Time Radiography at the Savannah River Site- Remote-Handled waste for the Second calendar quarter of 2013.

The mini-Batch Data Report containing SR608873C was reviewed for the quarterly repeat on August 1, 2013. No deficiencies were identified during the review. A second SPM Checklist has been completed and authenticated.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

cc: I. S. Joo ED

NTPC RECORDS ORIGINAL
DATE REC'D 8/14/13

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0088 QTR0213 **Examination Date(s):** 4/23,24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: SR608873C SR585133H
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			This BDR was originally completed under Revision 12 of CCP-TP-053, this quarterly BDR is completed under the current Revision 13 of CCP-TP-053
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**			X	NO NCRS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 8/1/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0088 QTR0213 **Examination Date(s):** 4/23,24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	NO DISCREPANCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0088 QTR0213 **Examination Date(s):** 4/23,24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	8/1/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0088_QTR0213 ☐ CH ☑ RH Date: 07/30/13

Waste Container ID Numbers	
Replicate Scan:	SR608873C
Independent Observation:	SR585133H
1	SR608873C
2	SR585133H
3	N/A
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Georgia N. Kareis — Georgia N. Kareis — 7/30/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Byron Geldermann — Byron Geldermann — 7-31-13
Printed Name — Signature — Date

1

NTPC RECORDS ORIGINAL
DATE REC'D 07-31-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0088_QTR0213 Date: 07/30/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	16

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report. The original BDR SRLBR0088 was processed on 04/23/13 and was used in reference to this second Quarterly Report for 2013.

Georgia N. Kareis — RTR Operator

Georgia N. Kareis — Signature

7/30/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 04/23/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	04/23/13
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0088		
Examination Date: 4/24/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #6 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond		4/24/13
Printed Name	Signature	Date

3A

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Hand tool, scrap metal, metal fitting, metal containers, metal caps, metal funnel, metal hardware
AM:	
OM:	
OI:	Glassware
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic bags, plastic containers, plastic caps
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	4.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	14.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

5

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: This Replicate SCAN Agrees with the original SCAN.
4-23-13

RTR Operator:

Steve Redmond		4/23/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR585133H
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

7

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, metal containers, metal caps, scissors at 18", hand tool
AM:	
OM:	
OI:	Glassware, broken glass
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation Agrees with the original SCAR. 4-23-13

RTR Operator:

Steve Redmond		4/23/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR608873C
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 53.4 kg Tare Wt.: 27.7 kg Net Wt.: 25.7 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

10

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, small metal containers, metal funnel
AM:	Aluminum racks
OM:	
OI:	Glassware, absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, plastic lab ware, plastic sheeting, plastic containers, plastic caps
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.0
Aluminum-based Metals / Alloys (AM):	0.4
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	15.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.7

11

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR608873C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0088
Examination Date:	4/23/2013
Waste Container ID:	SR585133H
Video/Audio Recorded Media Number:	SRLBR0088 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 50.5 kg Tare Wt.: 27.7 kg Net Wt.: 22.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	40 %

13

CCP Radiography Data Sheet

Waste Container ID: SR585133H

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, small metal containers, scissors at 19", metal fittings, metal tray, metal hardware, hand tool
AM:	
OM:	
OI:	Broken glass throughout the bottom
C:	
R:	Rubber gloves
XPM:	Plastic bags, plastic lab ware, plastic sheeting, plastic containers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	15.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.8

14

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR585133H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	4/23/2013
Print Name	Signature	Date

15

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0088 - QTR0213

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12 and 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☑ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0088_QTR0213

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: This BDR was originally completed under Revision 12 of CCP-TP-053. This quarterly report was completed under Revision 13 of CCP-TP-053. BWG 7-31-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Printed Name

[signature] — Signature

7-31-13 — Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record
[ ] Fax Record
[X] Electronic Record
[ ] Copy

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/1/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088_QTR0213	SPM Checklist	8/1/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	8/1/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1125
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	08/01 09:18
TIME USE	00'18
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/1/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088_QTR0213	SPM Checklist	8/1/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088_QTR0213	RH RTR QUARTERLY BDR – 2nd QUARTER 2013	07/30/13	18
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	8/6/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1463
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	08/06 07:53
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-01-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0088_QTR0213	RH RTR QUARTERLY BDR – 2nd QUARTER 2013	07/30/13	18
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01487
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 17, 2013

FROM: L. M. Nelson J. Nelson LOCATION: CCP Certification

TO: W. P. Tilmon ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: THIRD QUARTER 2013 (JULY 1, 2013 THROUGH SEPTEMBER 30, 2013) REAL-TIME RADIOGRAPHY QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Real-Time Radiography (RTR) at the Savannah River Site has completed 92 days of reporting from July 1, 2013 through September 30, 2013. Container number CSK200201K, Batch Data Report (BDR) SRLBR0100, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the mini-drum package provided to a qualified RTR operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the RTR quarterly repeat of DGL and return the mini-BDR with the naming convention "SRLBR0100_QTR0313" by November 20, 2013 to the Central Characterization Program Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment)
I. S. Joo ED

(with attachment)
NTP Records Custodian GSA-212

NTPC RECORDS ORIGINAL
DATE REC'D 10/23/13 (L)

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/22/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman (Printed Name)	(Signature)	7-22-13 (Date)

3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/23/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman (Printed Name)	(Signature)	7-23-13 (Date)

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/24/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman (Printed Name)	(Signature)	07/24/13 (Date)

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/23/2013
Waste Container ID:	CSK200201A
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-RHSRS-0694-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 127.5 kg Tare Wt.: 27.7 kg Net Wt.: 99.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

Waste Container ID: CSK200201A

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Vented metal drum
AM:
OM:
OI: Beryl saddles
C:
R:
XPM: Plastic sheeting
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	82.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	99.8

5

CCP Radiography Data Sheet

Waste Container ID: CSK200201A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comments block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-RHSRS-0694-13

On the recording it was failed to mention this drum has no liner. The Datasheet reflects this. The replicate scan agrees with the original scan. wlat 7-23-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	7/23/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/24/2013
Waste Container ID:	CSK200201K
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-RHSRS-0690-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 105.9 kg Tare Wt.: 27.7 kg Net Wt.: 78.2 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

1

CCP Radiography Data Sheet

Waste Container ID: CSK200201K

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal drum vented
AM:
OM:
OI: Beryl saddles
C:
R:
XPM: Plastic sheeting
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	60.7
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	78.2

CCP Radiography Data Sheet

Waste Container ID: CSK200201K

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-RHSRS-0690-13

This Independent observation agrees with the Original scan. GNK 7-24-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	7/24/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/22/2013
Waste Container ID:	CSK200201K
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-RHSRS-0690-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 105.9 kg Tare Wt.: 27.7 kg Net Wt.: 78.2 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

10

CCP Radiography Data Sheet

Waste Container ID: CSK200201K

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum vented

AM:

OM:

OI: Beryl saddles

C:

R:

XPM: Plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	61.2
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	78.2

CCP Radiography Data Sheet

Waste Container ID: CSK200201K

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment box, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: NCR-RHSRS-0690-13	
RTR Operator: Byron Gelderman (Print Name) / (Signature) / 7/22/2013 (Date)	

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/23/2013
Waste Container ID:	CSK200201A
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-RHSRS-0694-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 127.5 kg Tare Wt.: 27.7 kg Net Wt.: 99.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

22

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201A

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal drum vented
AM:
OM:
OI: Beryl saddles
C:
R:
XPM: Plastic sheeting
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	82.8
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	99.8

23

CCP Radiography Data Sheet

Waste Container ID: CSK200201A

Section 5: RTR Summary (Questions answered "Yes" will be explained on the Comment Block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-RHSRS-0694-13	

RTR Operator:

Byron Gelderman		7/23/2013
Print Name	Signature	Date

24

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-RHSRS-0690-13 Revision 0

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SRLBR0100
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): CSK200201K
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev.13, Section 4.4.2[H.2] **IF** the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, **THEN** initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

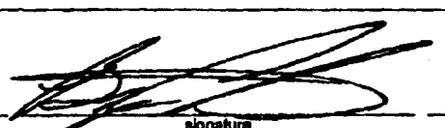
7c. Actual Condition:

This container does not match the waste stream description due to the AK not describing layers of confinement and for the waste being packaged into a inner 30 gallon drum which is not described in the AK.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:

Due to ALARA considerations, NCR tags will not be applied for this NCR. Administrative control will be applied through container entry in the CCP IDC. In addition, a listing of containers has been posted on the CCP sftp site, identifying those containers where NCR tagging does not apply due to ALARA. This listing is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers. The current listing has been posted to the sftp site.

8. NCR Originator:

Byron Gelderman (printed name)  (signature) 07/22/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☒ YES ☐ NO ☐ INDETERMINATE

10. Trend Code: L	11. Responsible Manager: **Laura Nelson**
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:

Steve Muse (printed name) (signature) 7/24/13 (date)

46

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

COPY

NCR No. NCR-RHSRS-0690-13 Revision 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

Georgia N. Karels for Laura Nelson (printed name) — Georgia N. Karels (signature) — 7-24-13 (date)

16b. QA Engineer or QA Designee:

Steve Muse (printed name) — (signature) — 7/24/13 (date)

Additional Approval:

printed name — signature — date

Additional Approval:

printed name — signature — date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name — signature — date

18. Interim Disposition Verified – QA Engineer:

printed name — signature — date

47

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0690-13 Revision 0

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☐ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name _____ signature _____ date _____

21. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name _____ signature _____ date _____

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name _____ signature _____ date _____

48

COPY

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-RHSRS-0694-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SRLBR0100
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): CSK200201A
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev.13, Section 4.4.2[H.2] IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:

This container does not match the waste stream description due to the AK not describing layers of confinement and for the waste being packaged into a inner 30 gallon drum which is not described in the AK.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:

Due to ALARA considerations, NCR tags will not be applied for this NCR. Administrative control will be applied through container entry in the CCP IDC. In addition, a listing of containers has been posted on the CCP sftp site, identifying those containers where NCR tagging does not apply due to ALARA. This listing is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers. The current listing has been posted to the sftp site.

8. NCR Originator:

Byron Gelderman (printed name) — signature — 07/22/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☒ YES ☐ NO ☐ INDETERMINATE

10. Trend Code: L	11. Responsible Manager: **Laura Nelson**
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:

Steve Muse (printed name) — signature — 7/24/13 (date)

58

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

COPY

NCR No. NCR-RHSRS-0694-13 Revision 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

Georgia N. Karelis for Laura Nelson (printed name) | Georgia N. Karelis (signature) | 7-24-13 (date)

16b. QA Engineer or QA Designee:

Steve Muse (printed name) | (signature) | 7/24/13 (date)

Additional Approval:

printed name | signature | date

Additional Approval:

printed name | signature | date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name | signature | date

18. Interim Disposition Verified – QA Engineer:

printed name | signature | date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0694-13 Revision 0

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☐ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name _____ signature _____ date _____

21. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name _____ signature _____ date _____

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name _____ signature _____ date _____

60

COPY

DIVIDER

PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01503
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 30, 2013

FROM: L. M. Nelson LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: RESULTS FOR REAL-TIME RADIOGRAPHY QUARTERLY REPEAT DATA GENERATION LEVEL DATA REVIEW: SAVANNAH RIVER SITE- REMOTE-HANDLED THIRD CALANDER QUARTER OF 2013

Procedure CCP-TP-001, *CCP Project Level Data Validation and Verification,* requires that a repeat of Data Generation Level (DGL) review, validation and verification be performed on the data for a minimum of one randomly chosen waste container each quarter. The Site Project Manager (SPM) uses this information to document that the data generation level data review is being performed according to procedures.

Inter-Office Correspondence number CP:13:01487 was issued October 17, 2013. This memorandum identified waste container CSK200201K as the randomly selected container for DGL repeat of Real-Time Radiography (RTR) at the Savannah River Site- Remote-Handled waste for the third calendar quarter of 2013.

The mini-Batch Data Report containing CSK200201K was reviewed for the quarterly repeat on October 24, 2013. No deficiencies were identified during the review. A second SPM Checklist has been completed and authenticated.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

cc: I. S. Joo ED

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0100_QTR0313 **Examination Date(s):** 7/22, 23, 24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: NONE
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**	X			NCR-RHSRS-0690-13 HOLD CSK200201K NCR-RHSRS-0694-13 HOLD CSK200201A
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**		X		NCR-RHSRS-0690-13 HOLD CSK200201K NCR-RHSRS-0694-13 HOLD CSK200201A

NTPC RECORDS ORIGINAL
DATE REC'D 10/25/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0100 QTR0313 **Examination Date(s):** 7/22, 23, 24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**		X		NCR-RHSRS-0690-13 HOLD CSK200201K NCR-RHSRS-0694-13 HOLD CSK200201A
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	NO DISCREPANCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0100 QTR0313 **Examination Date(s):** 7/22, 23, 24/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	10/24/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5–CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0100_QTR0313 ☐ CH ☑ RH Date: 10/22/13

Waste Container ID Numbers	
Replicate Scan:	CSK200201A
Independent Observation:	CSK200201K
1	CSK200201K
2	CSK200201A
3	N/A
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator:

Byron Gelderman — Printed Name

Signature

10/22/13 — Date

Independent Technical Reviewer:

John Brookshire — Printed Name

John Brookshire — Signature

10/22/13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 10-22-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0100_QTR0313 Date: 10/22/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	16
6	CCP Independent Technical Reviewer Checklist	22

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

The original BDR SRLBR0100 was processed on 07/22/13 through 07/24/13 and was used in reference to this Third (RH) Quarterly Report for 2013.

The original BDR was processed under CCP-TP-053, Rev. 13. This quarterly report was performed under CCP-TP-053, Rev. 14.

Byron Gelderman — RTR Operator

Signature

10/22/13 — Date

2

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/22/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	 Signature	7-22-13 Date

3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/23/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	7-23-13 Date

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0100		
Examination Date: 07/24/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #6 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Byron Gelderman		07/24/13
Printed Name	Signature	Date

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/23/2013
Waste Container ID:	CSK200201A
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-RHSRS-0694-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 127.5 kg Tare Wt.: 27.7 kg Net Wt.: 99.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201A

Section 3: Container Inventory and Comments

IM: Vented metal drum

AM:

OM:

OI: Beryl saddles

C:

R:

XPM: Plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	82.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	99.8

5

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201A

Section 5 RTR Summary	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-RHSRS-0694-13

On the recording it was failed to mention this drum has no liner. The Datasheet reflects this. The replicate scan agrees with the original scan. GNK 7-23-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	7/23/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/24/2013
Waste Container ID:	CSK200201K
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-RHSRS-0690-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 105.9 kg Tare Wt.: 27.7 kg Net Wt.: 78.2 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201K

Section 3: Container Inventory and Comments

IM: Metal drum vented

AM:

OM:

OI: Beryl saddles

C:

R:

XPM: Plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	60.7
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	78.2

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201K

Section 5: RTR Summary	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-RHSRS-0690-13

This Independent observation agrees with the Original scan. GNK 7-24-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	7/24/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SRLBR0100	
Examination Date:	7/22/2013	
Waste Container ID:	CSK200201K	
Video/Audio Recorded Media Number:	SRLBR0100	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-RHSRS-0690-13 NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 105.9 kg Tare Wt.: 27.7 kg Net Wt.: 78.2 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

10

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201K

Section 3: Container Inventory and Comments

IM: Metal drum vented

AM:

OM:

OI: Beryl saddles

C:

R:

XPM: Plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	61.2
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	78.2

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201K

Section 5 RTR Summary	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code(s))?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-RHSRS-0690-13

RTR Operator:

Byron Gelderman		7/22/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SRLBR0100
Examination Date:	7/23/2013
Waste Container ID:	CSK200201A
Video/Audio Recorded Media Number:	SRLBR0100 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-RHSRS-0694-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.02
Waste Container Weights:	Gross Wt.: 127.5 kg Tare Wt.: 27.7 kg Net Wt.: 99.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

BWG 10-22-13

22 13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201A

Section 3: Container Inventory and Comments

IM: Metal drum vented

AM:

OM:

OI: Beryl saddles

C:

R:

XPM: Plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	82.8
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	99.8

BUG 10-22-13

23 14

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: CSK200201A

Section 5: RTR Summary	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-RHSRS-0694-13	

RTR Operator:

Byron Gelderman		7/23/2013
Print Name	Signature	Date

BWG 10-22-13

24 15

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-RHSRS-0690-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SRLBR0100
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): CSK200201K
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev.13, Section 4.4.2[H.2] IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:

This container does not match the waste stream description due to the AK not describing layers of confinement and for the waste being packaged into a inner 30 gallon drum which is not described in the AK.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:

Due to ALARA considerations, NCR tags will not be applied for this NCR. Administrative control will be applied through container entry in the CCP IDC. In addition, a listing of containers has been posted on the CCP sftp site, identifying those containers where NCR tagging does not apply due to ALARA. This listing is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers. The current listing has been posted to the sftp site.

8. NCR Originator:

Byron Gelderman (printed name) — signature — 07/22/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☒ YES ☐ NO ☐ INDETERMINATE

10. Trend Code: L	11. Responsible Manager: Laura Nelson
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:

Steve Muse (printed name) — signature — 7/24/13 (date)

4to 16
BvG 10-22-13

COPY

NCR No. NCR-RHSRS-0690-13 **Revision 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

Georgia N. Karel's for Laura Nelson — printed name | Georgia N. Karel — signature | 7-24-13 — date

16b. QA Engineer or QA Designee:

Steve Muse — printed name | [signature] — signature | 7/24/13 — date

Additional Approval:

printed name | signature | date

Additional Approval:

printed name | signature | date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name | signature | date

18. Interim Disposition Verified – QA Engineer:

printed name | signature | date

47 17
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Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0690-13 Revision 0

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☐ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name _____ signature _____ date _____

21. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name _____ signature _____ date _____

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name _____ signature _____ date _____

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48 18
BLC 10-22-13

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-RHSRS-0694-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SRLBR0100
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): CSK200201A
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev.13, Section 4.4.2[H.2] IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:

This container does not match the waste stream description due to the AK not describing layers of confinement and for the waste being packaged into a inner 30 gallon drum which is not described in the AK.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:

Due to ALARA considerations, NCR tags will not be applied for this NCR. Administrative control will be applied through container entry in the CCP IDC. In addition, a listing of containers has been posted on the CCP sftp site, identifying those containers where NCR tagging does not apply due to ALARA. This listing is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers. The current listing has been posted to the sftp site.

8. NCR Originator: Byron Gelderman (printed name) _____ (signature) 07/22/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☒ YES ☐ NO ☐ INDETERMINATE

10. Trend Code: L	11. Responsible Manager: Laura Nelson
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation: Steve Muse (printed name) _____ (signature) 7/24/13 (date)

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

58 19
BWG 10-22-13

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NCR No. NCR-RHSRS-0694-13 **Revision 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

Georgia N. Karelis for — Laura Nelson (printed name) — Georgia N. Karelis (signature) — 7-24-13 (date)

16b. QA Engineer or QA Designee:

Steve Muse (printed name) — (signature) — 7/24/13 (date)

Additional Approval:

printed name — signature — date

Additional Approval:

printed name — signature — date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name — signature — date

18. Interim Disposition Verified – QA Engineer:

printed name — signature — date

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Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0694-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☐ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name _____ signature _____ date _____

21. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name _____ signature _____ date _____

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐

24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name _____ signature _____ date _____

COPY

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BLG 10-22-13

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0100-QTR0313

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13 & 14	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☑ NO	☐ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0100_QTR0313

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2?	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2?	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: 14. All containers in this BDR do not match the Waste Stream Description due to waste packaging per the AK. JB 10/22/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	10/22/13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Leon Navarrete	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	10/25/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0100_QTR0313	SPM Checklist	10/24/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	10/25/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3489
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	10/25 14:28
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Leon Navarrete	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number	303-843-2269
	Carlsbad, NM 88220	Date Sent:	10/25/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0100_QTR0313	SPM Checklist	10/24/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	10-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0100_QTR0313	RH RTR QUARTERLY BDR – 3RD QUARTER 2013	10/22/13	25
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Leon Navarrete	Leon Navarrete	10/31/13
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3590
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	10/31 08:12
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	10-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0100_QTR0313	RH RTR QUARTERLY BDR – 3RD QUARTER 2013	10/22/13	25
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01488
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 17, 2013

FROM: L. M. Nelson L.Nelson LOCATION: CCP Certification

TO: W. P. Tilmon ED LOCATION: CCP Operations
Argonne National Laboratory

SUBJECT: THIRD QUARTER 2013 (JULY 1, 2013 THROUGH SEPTEMBER 30, 2013) VISUAL EXAMINATION QUARTERLY REPEAT OF DATA GENERATION LEVEL REVIEW AT THE SAVANNAH RIVER SITE- REMOTE-HANDLED

Remote-Handled (RH) Visual Examination (VE) at the Savannah River Site has completed 92 days of reporting from July 1, 2013 through September 30, 2013. Container number SDD076307, Batch Data Report (BDR) SRSRHVE13001, was randomly selected from among all the drums processed through Site Project Manger Project Level Review during this time frame. This container will be processed through the Quarterly Repeat of Data Generation Level (DGL) Review as described in CCP-TP-001, *CCP Project Level Data Validation and Verification*. The original letter will be retained in the letter correspondence file.

Please forward the mini-drum package provided to a qualified VE operator for the completion of an Independent Technical Review for the quarterly repeat. The mini-drum package has all the pertinent information to complete the review. Not all containers included in the original BDR will be included for this review. Only the selected drum noted above must be reviewed along with any Quality Control Information.

Please perform the VE quarterly repeat of DGL and return the mini-BDR with the naming convention "SRSRHVE13001_QTR0313" by November 20, 2013 to the Central Characterization Program Records Department.

If you have any questions, please call me at (303) 843-2269.

LMN:jmc

Attachment

cc: (without attachment)
I.S. Joo ED

(with attachment)
NTP Records Custodian GSA-212

NTPC RECORDS ORIGINAL
DATE REC'D 10/23/13 (L)

Attachment 1 – Visual Examination Data Form

Site ID: RH/SRS			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076307	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐ Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - NucFil-OMDS Serial # AM-1430			

Waste Description:

Wood Bracing (c)
Aluminum Sleeve/Holder (AM) JMC-2-02-02
Serial # MRPuBBe29

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: ~~SDD76307~~ 600078307 SP 8-7-13	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - Nucfil - 0190S Serial # AM-1430			

Waste Description:
Wood Bracing (c)
Aluminum Sleeve/Holder (AM) MRPu8Be29 #~~Pu8Be29~~ SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

SP 3A
8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD071307

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages Superseded due To collections Being Made

Visual Examination Operator 1:
Spencer Pattee — Print Name
Signature — Date: 8-15-13

Visual Examination Operator 2:
Anthony Harley — Print Name
Signature — Date: 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

500076307
Container or Package ID Number ~~500-76307~~ SP 8-7-13

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

Visual Examination Operator 1:
Spencer Pattee (Print Name) — Signature — Date: 8-6-13

Visual Examination Operator 2:
Anthony Harley (Print Name) — Signature — Date: 8-7-13 / 8-6-13 / 8-8-13

8-8-13
8-7-13
8-7-13 A.H

SUPERSEDED
SP 8-15-13

SP 8-15-13

SP 8-15-13 4A

Special Form Capsule Traveler Sheet

Special Form Container Identification number: Jmc-2-02-08 A

Visual Inspection results: OK A

1. QA container gap measurement without plug in place: .011 Q
2. QA container gap measurement with plug in place: .037 Q
3. Record gap measurement after shear off of nut: .025
4. Record the difference between line 2 and line 3: .012

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MR 14785 89

Material Description: Isotope(s): Pu 238

Activity: 44.75 Ci

Dimensions of sources placed in this SFC: 0.23" x 23.6"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: Joseph A. Tompkins

Signature of SFC packager: J. A. Tompkins Date: 9-26-02

Verified Source T Mabbs 9-26-02

Washington
TRU Solutions LLC

CP:08:00484
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 13, 2008

FROM: A. M. Cantu LOCATION: Certification – Savannah River Site

TO: CCP Records Custodian GSA-103 LOCATION: Retrieval, Characterization & Transportation

SUBJECT: REPORT OF FIELD REFERENCE STANDARD RESULTS FOR THE CENTRAL CHARACTERIZATION PROJECT – SAVANNAH RIVER SITE

Per procedure CCP-TP-093, *CCP Sampling of TRU Waste Containers,* this memorandum provides the percent recovery results for the Field Reference Standards (FRS) demonstrating the quality assurance objectives (QAOs) for accuracy. Three FRS samples were collected on 9/9/08 at Savannah River Site (SRS) for the purpose of demonstrating accuracy of the sampling equipment used in support of the Central Characterization Project (CCP) SUMMA canister sample collections.

COMPOUND	TRUE VALUE*	MEASURED VALUE 1*	%R	MEASURED VALUE 2*	%R	MEASURED VALUE 3*	%R
Benzene	50.3	51	101	52	103	50	99
Carbon Tetrachloride	49.9	51	102	52	104	51	102
Chloroform	50.2	57	114	60	120	56	112
1,2-Dichloroethane	49.0	51	104	52	106	51	104
Methylene Chloride	49.7	51	103	52	105	50	101
Toluene	50.5	52	103	54	107	50	99

*Units are reported as ppmv

The analysis results meet the QAOs for accuracy of 70 to 130 percent recovery. The collection of FRS samples is no longer necessary for CCP-SRS as the required field reference standards demonstrates accuracy. I have enclosed a copy of the Certificate of Accuracy for the standard used.

If further information is needed, I may be contacted at (575) 234-7498

AMC:yhc

Enclosure

cc: NFT
T. A. Groover ED

AIR LIQUIDE

Scott Specialty Gases
Air Liquide America Specialty Gases LLC

CERTIFIED MASTER CLASS

Single-Certified Calibration Standard

500 WEAVER PARK RD, LONGMONT, CO 80501

Phone: 888-253-1635 Fax: 303-772-7673

CERTIFICATE OF ACCURACY: Certified Master Class Calibration Standard

Product Information
Project No.: 08-66333-001
Item No.: 0902B702429PCL
P.O. No.: WIPP1-PO410198

Cylinder Number: CLM005522
Cylinder Size: CL
Certification Date: 04Sep2008
Expiration Date: 04Sep2009

Customer

WASHINGTON TRU SOLUTIONS LLC
JAMES MOBLEY
SAVANNAH RIVER SITE
E-AREA TRAILER 724-7E
NEW ELLENTON, SC 29809

CERTIFIED CONCENTRATION

Component Name	Concentration (Moles)		Accuracy (+/-%)
BENZENE	50.3	PPM	2
CARBON TETRACHLORIDE	49.9	PPM	2
CHLOROFORM	50.2	PPM	2
1,2-DICHLOROETHANE	49.0	PPM	2
METHYLENE CHLORIDE	49.7	PPM	2
TOLUENE	50.5	PPM	2
NITROGEN		BALANCE	

TRACEABILITY

Traceable To

Scott Reference Standard

APPROVED BY: _____ ADAM HANLEY-LAB TECH

DATE: 9/5/08

SUPERVISOR: Devon VonFeldt DEVON VONFELDT

PAGE 01

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Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- RHSRS- 0565-12 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	RH-DTC	SRSRHDTC11003
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** SR504231
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-504 Rev. 13, CCP Dose-to-Curie Procedure for Remote Handled Transuranic Waste, section [D.9] states in part, "Enter the following in the spreadsheet....'Estimated fill percentage..."

7c. Actual Condition:

The fill percentage for the container listed in block 3 does not match the fill percentage listed on the RTR data sheet.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☑ NO **(If no is checked, explain:)**

Due to ALARA considerations, NCR tagging will not be applied for this NCR. Administrative control will be applied through container entry in the CCP Data Center. In addition a listing of containers will be posted on the CCP sftp site identifying those containers where NCR tagging is not being applied. Container information for this NCR will be included in the listing, which is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers.

8. NCR Originator:

Laura Nelson (printed name) Laura Nelson (signature) 11-1-12 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Laura Nelson

12. Significant Condition? ☐ YES ☑ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

T. MUELLER (printed name) T Mueller (signature) 11.1.12 (date)

CCP RECORDS ORIGINAL
DATE REC'D 1.30.13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- RHSRS- 0565-12 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
Laura Nelson					
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- RHSRS- 0565-12 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
NA

☐ Reject ☑ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
1. Have a qualified operator correct the fill percentage in the spreadsheet for the container listed in Block 3.
2. Have the ITR review the changes and re-sign ITR checklist.
3. Include the NCR in the BDR.
4. Have the LO review the changes and re-sign the attachment 6.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):
None needed

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Laura Nelson (printed name)	(signature)	11-1-12 (date)	T. Marrese (printed name)	T Mueller (signature)	11-1-12 (date)
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:
Laura Nelson (printed name) Laura Nelson (signature) 1-28-13 (date)

23. Attachments:
Attachment 1: BDR data sheets.
Attachment 2: Email Documenting Reportability.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☒
See 7d.

25. Final Disposition Verified – NCR Closed CCP QA Engineer:
Laura R. Jones (printed name) Laura Raun Jones (signature) 01/30/2013 (date)

Attachment 6 – Batch Data Report Narrative Summary

BDR Number: SRSRHDTC11003

BDR Date: 11/1/12

Quality Control Summary:

All quality control measurements are within acceptable limits.

Nonconformance:

NCR-RHSRS-1972-12
NCR-RHSRS-0565-12 dtd 11-5-12
NCR-RHSRS-0566-12 dtd 11-6-12

Comments:

Data acquisition was performed under CCP-TP-504, Rev. 11.
AN APPROVED CONVERSION RECORD SPREADSHEET (SR-RH-221H.01) IS NOW AVAILABLE FOR CONTAINERS SR522989, SR570547 AND SR570548. 12-10-12

Printed Name: Tim Carlton

Signature and Date: Tim Carlton 11/1/12
Tim Carlton 11/5/12
Tim Carlton 12/10/12

NCR-RHSRS-0565-12 rev.0
Attachment 1 page 1 of 5

Attachment 7 – ITR Checklist

BDR Number: **SRSRHDTC11003**

Description of Criteria Reviewed	Criteria Met (Check One)
ITR Checklist	
The BDR contains no more than 20 containers.	☑YES ☐NO
There is a container data sheet present for each of the containers listed on the BDR cover sheet and measurement control sheet(s) that covers the range of dates for each of the container data sheets.	☑YES ☐NO
The container data sheets and associated measurement control sheets are complete and contain:	
• Instrument calibration is satisfactory. (Accuracy)	☑YES ☐NO
• Instrument battery check is satisfactory.	☑YES ☐NO
• Instrument source check is satisfactory.	☑YES ☐NO
• The highest measured dose rate is at least three times greater than the measured background for each container not rejected by an NCR.	☑YES ☐NO
• The correct revision of the procedure was used.	☑YES ☐NO
• The Operator signed and dated each sheet, as applicable.	☑YES ☐NO
• Duplicate dose rate RPD ≤40%. (Precision)	☑YES ☐NO
The Quality Assurance Objectives have all been met.	☑YES ☐NO
Data generation and reduction were conducted in a technically correct manner in accordance with the methods used (procedure with revision).	☑YES ☐NO
Calculations have been verified by a valid calculation program, a spot check of verified calculation programs, and/or 100 percent check of all hand calculations.	☑YES ☐NO
The dose rates on the container data sheets are technically reasonable and reported in the proper units and correct number of significant figures.	☑YES ☐NO
The data has been checked for transcription errors between the container data sheets and the conversion records.	☑YES ☐NO
The conversion records are complete and show:	
• Total TRU activity concentration is greater than 100 nanoCuries per gram (nCi/g).	☑YES ☐NO
• Operator printed name, signature, and date.	☑YES ☐NO

NCR-RH-SRS-0005-12 rev.0
Attachment 1 page 2 of 5

Attachment 7 – ITR Checklist (Continued)

BDR Number: **SRSRHDTC11003**

Description of Criteria Reviewed	Criteria Met (Check One)
The results shown on the conversion records are technically reasonable and reported in the proper units and correct number of significant figures.	☑YES ☐NO
The BDR is complete (i.e., contains the forms listed in the table of contents) for this point of generation.	☑YES ☐NO
Any NCRs generated are contained in the testing BDR.	☑YES ☐N/A
Comments: Container SR526627 was inadvertently re-measured on 8/30/11, so the Dose-to-Curie Conversion Record (Attachment 3) for this container will not be included in this batch. A Dose-to-Curie Conversion Record can be found in batch SRSRHDTC11001. In addition, this container was measured as the Duplicate Dose Rate Measurement drum for this batch. Therefore, the Container Data Sheet (Attachment 2) and the Duplicate Container Data Sheet (Attachment 10) for container SR526627, will remain in this batch.	

ITR Approval		
TODD SHEPLEY	Todd Shepley	11/1/12
Printed Name	Signature	Date
	Todd Shepley	11/5/12
	Todd Shepley	12/10/12

NCR-RHANL-0508-12 rev. 0
Attachment 1 page 3 of 5

Waste Container Dose-to-Curie Conversion Record

SCO 1193 Rev. 2 Addendum 2 Microsoft Excel version 2003, 2007, 2010; Microsoft Windows XP Professional 2002 and 2003

Operating Procedure	CCP-TP-504	Rev. 13
Date of Survey	8/31/2011	
Waste Stream Designation	SR-RH-235F.01	
Container Number	SR504231	
Container Gross Weight	109.0 kg	
Net Waste Weight	81.3 kg	
Fill Percentage	85.0 %	
Measured Container Dose Rate		Background
Quadrant #1	24.0 mR/hr	0.041 mR/hr
Quadrant #2	31.2 mR/hr	
Quadrant #3	25.0 mR/hr	
Quadrant #4	21.5 mR/hr	
Average Dose Rate Minus Background	25.4 mR/hr	

Nuclide	Curie Scaling Factors	Activity (Ci)	Grams	FGE	PECi	Watts	Uncertainty	Uncertainty in Curies	Uncertainty in Grams
U-233	3.52E-02	1.08E+00	1.11E+02	9.97E+01	2.77E-01	3.15E-02	107.2%	1.16E+00	1.19E+02
U-234	1.55E-01	4.75E+00	7.52E+02	0.00E+00	0.00E+00	1.37E-01	110.9%	5.27E+00	8.35E+02
U-235	9.69E-06	2.98E-04	1.36E+02	8.74E+01	0.00E+00	8.21E-06	114.9%	3.42E-04	1.56E+02
U-238	1.13E-04	3.47E-03	1.02E+04	0.00E+00	0.00E+00	8.80E-05	75.2%	2.61E-03	7.68E+03
Pu-238	8.57E+02	2.63E+04	1.52E+03	1.72E+02	2.39E+04	8.72E+02	113.0%	2.98E+04	1.72E+03
Pu-239	4.28E-02	1.32E+00	2.09E+01	2.09E+01	1.32E+00	4.08E-02	51.2%	6.73E-01	1.07E+01
Pu-240	2.65E-01	8.14E+00	3.54E+01	7.96E-01	8.14E+00	2.53E-01	51.8%	4.21E+00	1.83E+01
Pu-242	5.65E-07	1.73E-05	4.37E-03	3.28E-05	1.58E-05	5.11E-07	111.2%	1.93E-05	4.86E-03
Am-241	1.00E+00	3.07E+01	8.86E+00	1.66E-01	3.07E+01	1.03E+00	38.7%	1.19E+01	3.43E+00
Np-237	3.99E-05	1.22E-03	1.72E+00	2.58E-02	1.22E-03	3.59E-05	50.2%	6.15E-04	8.63E-01
Sr-90	1.83E-03	5.62E-02	4.07E-04	0.00E+00	0.00E+00	6.51E-05	646.8%	3.63E-01	2.63E-03
Cs-137	1.83E-03	5.62E-02	6.38E-04	0.00E+00	0.00E+00	6.22E-05	646.8%	3.63E-01	4.13E-03
Y-90	1.83E-03	5.62E-02	1.03E-07	0.00E+00	0.00E+00	3.11E-04	646.8%	3.63E-01	6.68E-07
Ba-137m	1.73E-03	5.31E-02	9.86E-11	0.00E+00	0.00E+00	2.09E-04	646.8%	3.44E-01	6.39E-10
Totals		2.64E+04	1.28E+04	3.81E+02	2.40E+04	8.73E+02			

	Value	(one Sigma)	
TRU Alpha Activity Concentration	3.24E+08	3.76E+08	nCi/g
TRU Alpha Activity	2.64E+04	3.06E+04	Ci
Total Pu-239 Equiv Activity	2.40E+04	2.78E+04	Ci
Total Pu-239 Fissile Gram Equiv	3.81E+02	2.82E+02	g
Total Decay Heat	8.73E+02	1.01E+03	W
Volume Activity	1.25E+02	1.41E+02	Ci/L

Originator Tim Carlton (Print Name)

Signed Tim Carlton Date 11/5/12

NCR-RHSRS-05565-12 rev. 0
Attachment 1 page 4 of 5

TJC 11-5-12
SRSRHDTC11003

TJC 11-6-12
026

Waste Container Dose-to-Curie Conversion Record

SCO 1193 Rev. 2 Addendum 2 Microsoft Excel version 2003, 2007, 2010; Microsoft Windows XP Professional 2002 and 2003

Operating Procedure	CCP-TP-504	Rev. 13
Date of Survey	8/31/2011	
Waste Stream Designation	SR-RH-235F.01	
Container Number	SR504231	
Container Gross Weight	109.0 kg	
Net Waste Weight	81.3 kg	
Fill Percentage	60.0 %	
Measured Container Dose Rate		Background
Quadrant #1	24.0 mR/hr	0.041 mR/hr
Quadrant #2	31.2 mR/hr	
Quadrant #3	25.0 mR/hr	
Quadrant #4	21.5 mR/hr	
Average Dose Rate Minus Background	25.4 mR/hr	

Nuclide	Curie Scaling Factors	Activity (Ci)	Grams	FGE	PECi	Watts	Uncertainty	Uncertainty in Curies	Uncertainty in Grams
U-233	3.52E-02	1.14E+00	1.16E+02	1.05E+02	2.91E-01	3.31E-02	107.3%	1.22E+00	1.25E+02
U-234	1.65E-01	4.99E+00	7.90E+02	0.00E+00	0.00E+00	1.44E-01	111.0%	5.54E+00	8.77E+02
U-235	9.69E-06	3.13E-04	1.43E+02	9.18E+01	0.00E+00	8.63E-06	115.0%	3.60E-04	1.64E+02
U-238	1.13E-04	3.65E-03	1.07E+04	0.00E+00	0.00E+00	9.25E-05	75.3%	2.75E-03	8.07E+03
Pu-238	8.57E+02	2.77E+04	1.60E+03	1.81E+02	2.51E+04	9.16E+02	113.1%	3.13E+04	1.81E+03
Pu-239	4.28E-02	1.38E+00	2.20E+01	2.20E+01	1.38E+00	4.28E-02	51.4%	7.09E-01	1.13E+01
Pu-240	2.65E-01	8.55E+00	3.72E+01	8.37E-01	8.55E+00	2.66E-01	51.9%	4.44E+00	1.93E+01
Pu-242	5.65E-07	1.82E-05	4.59E-03	3.44E-05	1.66E-05	5.37E-07	111.3%	2.03E-05	5.11E-03
Am-241	1.00E+00	3.23E+01	9.30E+00	1.74E-01	3.23E+01	1.08E+00	38.8%	1.25E+01	3.61E+00
Np-237	3.99E-05	1.29E-03	1.80E+00	2.71E-02	1.29E-03	3.77E-05	50.4%	6.48E-04	9.09E-01
Sr-90	1.83E-03	5.90E-02	4.27E-04	0.00E+00	0.00E+00	6.84E-05	646.8%	3.82E-01	2.77E-03
Cs-137	1.83E-03	5.90E-02	6.70E-04	0.00E+00	0.00E+00	6.53E-05	646.8%	3.82E-01	4.34E-03
Y-90	1.83E-03	5.90E-02	1.08E-07	0.00E+00	0.00E+00	3.26E-04	646.8%	3.82E-01	7.01E-07
Ba-137m	1.73E-03	5.58E-02	1.04E-10	0.00E+00	0.00E+00	2.28E-04	646.8%	3.61E-01	6.71E-10
Totals		2.77E+04	1.34E+04	4.00E+02	2.52E+04	9.17E+02			

	Value	(one Sigma)	
TRU Alpha Activity Concentration	3.41E+08	3.95E+08	nCi/g
TRU Alpha Activity	2.77E+04	3.21E+04	Ci
Total Pu-239 Equiv Activity	2.52E+04	2.92E+04	Ci
Total Pu-239 Fissile Gram Equiv	4.00E+02	2.97E+02	g
Total Decay Heat	9.17E+02	1.06E+03	W
Volume Activity	1.31E+02	1.48E+02	Ci/L

Originator Tim Carlton (Print Name)

Signed Tim Carlton Date 10/30/12

Tim 11-5-12

NCR-RHSRS-0505-12 rev. 0
Attachment 1 page 5 of 5

Tim 11-1-12 Tim 11-5-12

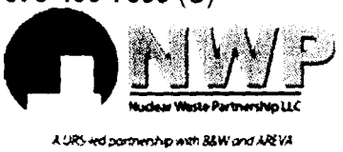
026A
~~029~~

Mueller, Terry - NWP

From: Pearcy, Mark - NWP
Sent: Monday, November 05, 2012 7:49 AM
To: Mueller, Terry - NWP
Subject: RE: NCR-RHSRS-0565-12 & -0566-12

Neither are reportable

Mark Pearcy
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
575-234-7394 (W)
575-499-7339 (C)



From: Mueller, Terry - NWP
Sent: Friday, November 02, 2012 6:51 AM
To: Nelson, Laura - NWP; Pearcy, Mark - NWP; Martin, Linda - Stoller
Cc: Punchios, Sheri - Stoller; Walker, Mak (Maryann) - NWP; Jones, Laura - NWP
Subject: NCR-RHSRS-0565-12 & -0566-12

Laura (N.) – FYI
Mark – Please review for notification purposes.
Linda – Please post these open NCRs.

Thanks!

TERRY L. MUELLER
Assurance Programs
Nuclear Waste Partnership, LLC
Contractor to the Department of Energy
MS GS-103
work (575)-234-7016
fax (575)-234-7042

NCR – RHSRS-0565-12 Rev.0
Attachment 2 Page 1 of 1

Non-conformance Reports (NCRs):

NCR-RHSRS-0565-12 Rev. 0,

This is evidence of an RH related NCR.

Closed 01/30/2013

DIVIDER

PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0180-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0356
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR518667H
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 13 Section 4.4.2 Data Entry [l] Review Attachment 2 for completeness and accuracy.

7c. Actual Condition:
Weights do not match. Attachment 2, Section 2 has a Net weight of 25.3 and Section 4 has a Net weight of 25.2 kg

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO If no is checked, explain:
THW 9.5.13

8. NCR Originator:
Carolina Soaterna (printed name) Carolina Soaterna (signature) 9/4/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: A

11. Responsible Manager: **Joshua Houghton**

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):

13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:
T. MUELLER (printed name) T Mueller (signature) 9.4.13 (date)

COPY

NTPC RECORDS ORIGINAL
DATE REC'D 09/18/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 **Revision 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name _____ signature _____ date _____

16b. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name _____ signature _____ date _____

18. Interim Disposition Verified – QA Engineer:

printed name _____ signature _____ date _____

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair
19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☒ N/A for Reject, Rework, or Scrap]

☐ Reject ☒ Rework ☐ Scrap
19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

1. Operator to correct and re-sign data sheet.
2. ITR re-review corrections
3. Submit corrections and copy of the NCR to records.
4. SPM to re-review corrected data.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name	signature	date
Joshua Houghton		9-4-13

21. QA Engineer or QA Designee:

printed name	signature	date
T. MUELLER	TMueller	9.4.13

Additional Approval:

printed name	signature	date

Additional Approval:

printed name	signature	date

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name	signature	date
Carolina Loaiza	Carolina Loaiza	9/4/13

23. Attachments: 1 - Data Sheet; 2 - Hold Tag Apply Email; 3 - Notification email; 4 - Tag Remove Email

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☒ See Att. 4
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name	signature	date
T. MUELLER	TMueller	9.17.13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0356	Examination Date(s): 8/21-22/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: PAD12TMP1B PAD12TMP1C PAD12TMP1D PAD12TMP1E PAD12TMP1F PAD12TMP1G PAD12TMP1H WMPSLB054C WMPSLB054D WMPSLB054E WMPSLB054F WMPSLB054G SR518667E SR518667F SR518667G SR518667H SR668976A SR668976C
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**	X			NCR-SRS-0180-13 Rework NCR-SRS-0617-13 Use-as-is
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			Except for SR518667G

NCR SRS-0180-13 R0
Attachment 1 Page 1 of 9

NTPC RECORDS ORIGINAL
DATE REC'D 09/04/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0356	**Examination Date(s): 8/21-22/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			Except for SR518667G
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**			X	No liquid.
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

NCR SRS-0180-13 20 Attachment 1 Page 2 of 9

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0356	**Examination Date(s): 8/21-22/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna — SPM Printed Name	Carolina Soaterna — Signature			9/4/13 — Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

NCR 363-0180-13 R0 Page 3 of 9 Attachment 1

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0356 ☑ CH ☐ RH Date: 8/22/13

Waste Container ID Numbers	
Replicate Scan:	SR668976C
Independent Observation:	WMPSLB054G
1	WMPSLB054G
2	WMPSLB054D
3	WMPSLB054E
4	WMPSLB054C
5	SR518667F
6	SR518667H
7	SR518667G
8	SR518667E
9	SR668976A
10	WMPSLB054F
11	SR668976C
12	PAD12TMP1G
13	PAD12TMP1C
14	PAD12TMP1D
15	PAD12TMP1F
16	PAD12TMP1H
17	PAD12TMP1B
18	PAD12TMP1E
19	N/A
20	N/A

RTR Operator: John Brookshire — Printed Name

John Brookshire — Signature

8/22/13 — Date

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

8-29-13 — Date 9-4-13

NCR- SRS-0180-13 R0

Attachment 1 Page 4 of 9

NTPC RECORDS ORIGINAL
DATE REC'D 08-29-13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667H
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0617-13 NCR No.: ~~N/A~~ JMS 9/4/13 NCR-SRS-0180-13 JMS 9/4/13

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 53.0 kg Tare Wt.: 27.7 kg Net Wt.: 25.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

NCR-SRS-0180-13 R0 Page 5 of 9 Attachment 1

25

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR518667H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open, scrap metal

AM:

OM:

OI: Absorbent

C: Tape

R: Rubber gloves

XPM: Nylon chokers, plastic sheeting, air hose and fittings, plastic bags, plastic suits, plastic glove ports

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	gms 9/4/13 ~~16.2~~ 16.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	0.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	7.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	gms 9/4/13 ~~25.2~~ 25.3

NCR- SRS-0180-13 RO Attachment 1 Page 6 of 9

26

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR518667H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0617-13

NCR-SRS-0180-13 Weights do not match. Attachment 2, Section 2 has a Net weight of 25.3 and Section 4 has a Net weight of 25.2 Kg. JMB 9/4/13

All corrections have been made per NCR-SRS-0180-13 and the Attachment reflects all changes. JMB 9/4/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 9/4/13

NCR-SRS-0180-13 R0 Page 4 of 9 Attachment 1

27

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0356

	Description			
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

NCR: SRS-0180-13-R0 Page 8 of 9

Attachment 1

67

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR 0356

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: During the ITR and after discussion with the LO and operator, It was determined that the operator incorrectly identified a solidified material as sludge for containers, WMPSLB054D, WMPSLB054E, WMPSLB054C, PAD12TMP1G, PAD12TMPIC, PAD12TMPID, PAD12TMP1F, PAD12TMP1H, PAD12TMP1B and PAD12TMP1E. The attachments reflect the ~~se~~ changes. BWG 8-29-13
Bwg 8-29-13

14. All containers match the waste stream description and waste matrix code except SR518667G.

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

8-29-13 — Date 9-4-13

On the recording for PAD12TMP1B, the operator pronounced the container number incorrectly. The operator pronounced it correctly at the end of the recording. BWG 8-29-13

I have reviewed and agree with all changes to this BDR. Bwg 9-4-13

NCR SRS-0180-13 R0 Attachment 1 Page 9 of 9

68

Mueller, Terry - NWP

From: steve.muse@srs.gov
Sent: Thursday, September 05, 2013 4:39 AM
To: Mueller, Terry - NWP
Subject: Re: NCR-SRS-0180-13 - Open NCR

Tag applied.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>, "Houghton, Joshua - NWP" <joshua.houghton@wipp.ws>, "Navarrete, Leon - Stoller" <Leon.Navarrete@wipp.ws>, "Pearcy, Mark - NWP" <Mark.Pearcy@wipp.ws>,
Cc: "Soaterna, Carolina - NWP" <carolina.soaterna@wipp.ws>, "Henry, Paulette" <Paulette.Henry@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>
Date: 09/04/2013 11:12 AM
Subject: NCR-SRS-0180-13 - Open NCR

Steve, Pat: Please apply hold tag and confirm.
Josh: FYI
Mark: Please review for notification purposes.
Leon: Please post this open NCR.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7071

Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

NCR – SRS-0180-13 R0
Attachment 2 Page 1 of 1

[attachment "NCR-SRS-0180-13.pdf" deleted by Steve Muse/SRNS/Srs]

Mueller, Terry - NWP

From: Pearcy, Mark - NWP
Sent: Tuesday, September 10, 2013 11:04 AM
To: Mueller, Terry - NWP
Subject: RE: NCR-SRS-0180-13 - Open NCR

Not reportable

Mark Pearcy
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
575-234-7394 (W)
575-499-7339 (C)

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

From: Mueller, Terry - NWP
Sent: Wednesday, September 04, 2013 9:12 AM
To: Muse, Steve - SRS; Tilmon, Pat; Houghton, Joshua - NWP; Navarrete, Leon - Stoller; Pearcy, Mark - NWP
Cc: Soaterna, Carolina - NWP; Henry, Paulette; Walker, Mak (Maryann) - NWP
Subject: NCR-SRS-0180-13 - Open NCR

Steve, Pat: Please apply hold tag and confirm.
Josh: FYI
Mark: Please review for notification purposes.
Leon: Please post this open NCR.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7071

NWP
Nuclear Waste Partnership LLC

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Contractor to the Department of Energy

NCR - SRS-0180-13 R0

Attachment 3 Page 1 of 1

Mueller, Terry - NWP

From: steve.muse@srs.gov
Sent: Thursday, September 05, 2013 7:12 AM
To: Mueller, Terry - NWP
Subject: Re: NCR-SRS-0180-13 - remove hold tag

Tag removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>, "Houghton, Joshua - NWP" <joshua.houghton@wipp.ws>, "Soaterna, Carolina - NWP" <carolina.soaterna@wipp.ws>,
Cc: "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>
Date: 09/04/2013 03:58 PM
Subject: NCR-SRS-0180-13 - remove hold tag

Steve, Pat: The container has been resolved at the project office; please remove hold tag and confirm.
Josh, Carolina: FYI

Thanks!
TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7071

NWP
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A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

NCR – SRS-0180-13 R0
Attachment 4 Page 1 of 1

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-LANL-0725-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): NA	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): LA-RTR2-13-0099
4. Order/Work Order/Job Control Number (if applicable): NA	5. PO # (if applicable): NA	Container #(s): 94124
	6. Supplier (if applicable): NA	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 14 Section 4.4.2 Data Entry [l] Review Attachment 2 for completeness and accuracy.

7c. Actual Condition:
Weights do not match. Attachment 2, Section 2 has a Net weight of 37.4 kg and Section 4 has a Net weight of 34.4 kg resulting in TAAC error > 5%

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO If no is checked, explain:
10/15/13 LR

8. NCR Originator:
Lorraine Hensley (printed name) Lorraine Hensley (signature) 10/9/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: A 10/22/13 LRS

11. Responsible Manager: **Veronica Waldram**

12. Significant Condition? ☒ YES ☒ NO (If Yes, enter CAR No.):
WF 13-312 10/22/13 LRS

13. Recurring Condition? ☒ YES ☐ NO (If YES, list NCRs and CARs):
NCR-SRS-0180-13
NCR-LANL-0576-13 10/22/13 LRS

14. QA Engineer or QA Designee validation:
Laura R. Jones (printed name) Laura Ramon Jones (signature) 10/10/2013 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 11/08/13 (L)

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-LANL-0725-13 **Revision 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

RTR operator to re-evaluate weights and provide results to SPM

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

Veronica Waldram (printed name) Veronica Waldram (signature) 10/10/13 (date)

16b. QA Engineer or QA Designee:

Laura Jones (printed name) Laura Ramos Jones (signature) 10/10/2013 (date)

Additional Approval:

_____ (printed name) _____ (signature) _____ (date)

Additional Approval:

_____ (printed name) _____ (signature) _____ (date)

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

Veronica Waldram (printed name) Veronica Waldram (signature) 10/10/13 (date)

18. Interim Disposition Verified – QA Engineer:

Laura R. Jones (printed name) Laura Ramos Jones (signature) 10/10/13 (date)

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-LANL-0725-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☒ N/A for Reject, Rework, or Scrap]

☐ Reject ☒ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

1. Operator makes corrections to data sheet.
2. ITR perform re-review.
3. Submit corrections and copy of NCR to records.
4. SPM review corrected data.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

Veronica Waldram	Veronica Waldram	10/10/13
printed name	signature	date

21. QA Engineer or QA Designee:

Laura R. Jones	Laura Ramona Jones	10/10/2013
printed name	signature	date

Additional Approval:

printed name	signature	date

Additional Approval:

printed name	signature	date

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

Veronica Waldram	Veronica Waldram	10/15/13
printed name	signature	date

23. Attachments: 1- Email Dated 10/10/13 2- Email Documenting Reportability.
3- Hold tag application notification. 10/22/13 LRS 4- Basis for NCR closure *

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☑

24b. If HOLD TAG is not applicable, check: ☐ and explain:

See Attachment 5.

25. Final Disposition Verified – NCR Closed QA Engineer:

Laura R. Jones	Laura Ramona Jones	11/06/2013
printed name	signature	date

* Attachment 5 - Hold tag removal notification. 11/06/13 LRS

Waldram, Veronica - NWP

From: Elliott, J Aaron [jae@lanl.gov]
Sent: Thursday, October 10, 2013 9:49 AM
To: Waldram, Veronica - NWP
Subject: RE: New NCR-LANL-0725-13

Veronica,
We have spoke to the operator and the weight on page two of the attachment two and 34.4 kg is INCORRECT; 37.4 is correct.

Thank you,
Aaron

From: Waldram, Veronica - NWP [mailto:Veronica.Waldram@wipp.ws]
Sent: Thursday, October 10, 2013 9:34 AM
To: Elliott, J Aaron
Cc: Dale Simpson
Subject: FW: New NCR-LANL-0725-13

FYI. Please see actions required interim disposition.

Veronica Waldram
Site Project Manager
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
(575) 234-7187

From: Jones, Laura - NWP
Sent: Thursday, October 10, 2013 9:20 AM
To: Chavarria, Antonio - NWP; Fitzgerald, Randy - LANL; Groover, Terri-Anne - NWP; Henry, Paulette; Kantrowitz, Rich - NWP; Pearcy, Mark - NWP; Pearcy, Sheila - Stoller; Simmons, Craig - LANL; Terri-Anne Groover; Waldram, Veronica - NWP; Goff, Ruthie - Stoller; Navarrete, Leon - Stoller; Hensley, Lorraine - NWP
Cc: Walker, Mak (Maryann) - NWP; Mueller, Terry - NWP; Jones, Laura - NWP
Subject: New NCR-LANL-0725-13

Antonio/Veronica/Groover/Craig – Please ensure that hold tags are apply and notify
Mark – Please review for notification purposes
Paulette/Ruthie/Leon – Please post this open NCR.

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR- LANL-0725-13, Rev.0
Attachment 1 Page 1 of 1

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: LA-RTR2-13-0099	Examination Date(s): 8/13/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: 94135 94117 94126 94128 94138 94139 94120 94134 94125 94129 94124
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**	X		~~X~~ JTH 10-11-13	NCR-LANL-0725-13
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 8.16.13 AH

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: LA-RTR2-13-0099	Examination Date(s): 8/13/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**			X	No liquid present.
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

WIPP Forms

WF Number	Issue/Condition Description	Discovery Date	Originator	Entry Date	Reviewers/Status	Actions/DueDates	Closure Date	Days Open
WF13-311	Station C flow control instrumentation has not been calibrated since May, 2011, when the upgrade flow control system was installed by WO#0411002M. The modification required a revision to the PM procedures [IC041096 & IC041097]. CTS#37045 was assigned to track the revision. It was closed 5/31/11, but the procedures were not revised. WO#1202385C & 1203590C were generated to perform the calibrations. The assigned planner has been absent due to severe medical issues, thus he was unable to complete the work instructions for these packages. Draft instructions have been written for WO#1203590C, but they have not been reviewed. Planning hasn't started for the other package. Station C is required for compliance with NESHAPS and 40 CFR 191 Subpart A. The flow control system requires an annual calibration to maintain representative sampling. Station C samples the exhaust air from the WHB. All exhaust air passes thru the HEPA filters in the mezzanine.	10-21-13	Davis, Jaci	10-21-13	Hendrickson, Jennifer Jones, Stewart	CAP(Rev 0): Cheryl Salinas/11-06-13/Creation OVERDUE		22
WF13-312	Entries were noted within the last six months where Estimated Weight was entered in the Wrong Waste Material Parameter categories. NCR-LANL-0576-13 initiated 05/14/2013 NCR-LANL-0725-13 initiated 10/09/2013 NCR-SRS-0180-13 initiated 06/04/2013 Requirement violated: CCP-TP-053, CCP Standard Real-Time Radiography (RTR) Inspection Procedure, Revision 14, Section 4.4.2 (I) "Review Attachment 2 for completeness and accuracy."	10-22-13	Jones, Laura	10-22-13	Jones, Laura Simmons, Craig	CAP(Rev 0): Mike Sensibaugh/11-07-13/Pending Review		21
WF13-313	On Monday, 10/21/2013, flat spots were identified on the right/rear set of tires only on trailer 365 which was located in the site parking lot. Trailer 365 was loaded Saturday, 10/19/2013 with TRUPACT's 170 and 178 on shipment MTEP13046.	10-21-13	Jasso, Pat	10-22-13	Britain, Randy	CAP(Rev 0): Pat Jasso/11-22-13/Pending Creation		22

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: LA-RTR2-13-0099	Examination Date(s): 8/13/2013			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna (SPM Printed Name)	Carolina Soaterna (Signature)			8/15/13 (Date)

Checklist is to be re-signed only when a re-review is performed.

Joshua Houghton SPM Printed Name	Signature	NCR-LANL-0725-13 Reason	10-11-13 Date
SPM Printed Name	Signature	Reason	Date

NCR LANL-0725-13, Rev. 0

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: LANL

Batch Data Report No.: LA-RTR2-13-0099 ☑ CH ☐ RH Date: 08/13/2013

Waste Container ID Numbers	
Replicate Scan:	94125
Independent Observation:	94126
1	94135
2	94117
3	94126
4	94128
5	94138
6	94139
7	94120
8	94134
9	94125
10	94129
11	94124
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Thad Hasselstrom — Printed Name | Signature | Date: 08/13/2013

Independent Technical Reviewer: Michael Simmons — Printed Name | Signature | Date: 08/14/13

10/19/13

01 VW 10/15/13

NTPC RECORDS ORIGINAL
DATE RECD 8/15/13

NCR LANL-0725-13, Rev. 0

Attachment 2 Page 4 of 9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1. General Information	
[X] RTR Examination	[ ] RTR Replicate Scan [ ] RTR Independent Observation
Site ID:	LANL
Batch Number:	LA-RTR2-13-0099
Examination Date:	8/13/2013
Waste Container ID:	94124
Video/Audio Recorded Media Number:	LA-RTR2-13-0099 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No TJH 10-10-13 [X] Yes TJH 10-10-13 NCR No.: ~~N/A~~ NCA-LANL-0725-13 TJH 10-10-13 NCR No.: N/A

Section 2. Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA226
Waste Matrix Code:	S3150
Waste Stream I.D.:	LA-CIN01.001
Waste Container Weights:	Gross Wt.: 182.5 kg Tare Wt.: 145.1 kg Net Wt.: 37.4 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

~~10~~ NW 10/15/13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: 94124

Section 3 Container Inventory and Comments
IM:
AM:
OM:
OI:
C:
R:
XPM:
OR:
IN: Homogeneous solids
S:

Section 4 Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	109.0
Plastics (PP): Rigid Liner/Lid, Liner Bag (Inside POC)	8.1
Other: Fiberboard (CP), Liner/Sleeve (Inside POC)	28.0
Total Packaging Weight	145.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	7JH 10-10-13 37.4 ~~34.4~~ 7JH 10-10-13
Total WMP Weight:	37.4 ~~34.4~~ 7JH 10-10-17

VW 10/15/13
41

RTR Data Sheet.xls SCO# 1189 Ver. 2
Microsoft Excel 2003 Windows XP

CCP Radiography Data Sheet

Waste Container ID: 94124

Section 5 RTR Summary	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: Standard Pipe Overpack Container (P.O.C.)
There is separation between liner lid and liner therefore liner is vented.
NCR-LANL-0725-13 TJH 10-10-13

RTR Operator:	Thad Hasselstrom	10-10-13
Thad Hasselstrom	Thad Hasselstrom	8/13/2013
Print Name	Signature	Date

VW 10/15/13

RTR Data Sheet.xls SCO# 1189 Ver. 2
Microsoft Excel 2003 Windows XP

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: LA-RTR2-13-0099

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☒ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☒ YES	
3.	Are the WMPs entered correctly?	☐ NO	☒ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☒ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☒ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☒ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☒ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☒ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☒ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	MS 10/10/13 ☒ YES	MS 10/10/13 ~~☒ N/A~~
12.	Was justification made for changing the original data?	☐ NO	MS 10/10/13 ☒ YES	MS 10/10/13 ~~☒ N/A~~
13.	Were data changes made by the individual who originally collected the data?	☐ NO	MS 10/10/13 ☒ YES	MS 10/10/13 ~~☒ N/A~~
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☒ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☒ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☒ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☒ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☒ YES	

VW 10/15/13

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: LA-RTR2-13-0099

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☒ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☒ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☒ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☒ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☒ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☒ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☒ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☒ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	ms 10/10/13 ☒ YES	ms 10/10/13 ☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☒ YES	

Comments: ms 10/10/13 ~~N/A~~ I have reviewed and agree with all changes to this BDR. ms 10/10/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Michael Simmons — Printed Name

Signature — 08/14/13 Date

10/10/13

VW 10/15/13 ~~4~~ 4

NCR LANL-0725-13, Rev. 0

Jones, Laura - NWP

From: Chavarria, Antonio D [antonio_chavarria@lanl.gov]
Sent: Tuesday, October 15, 2013 10:34 AM
To: Jones, Laura - NWP
Subject: RE: New NCR-LANL-0725-13

Laura:

The tag for the NCR listed below has been applied.

Please let me know if you have any questions or comments.

Thank you,
Antonio
Chavarria

From: Jones, Laura - NWP [mailto:laura.jones@wipp.ws]
Sent: Thursday, October 10, 2013 9:20 AM
To: Chavarria, Antonio - NWP; Fitzgerald, Randy; Groover, Terri-Anne - NWP; Henry, Paulette; Kantrowitz, Rich - NWP; Pearcy, Mark - NWP; Pearcy, Sheila - Stoller; Simmons, Craig E; Groover, Terri-Anne; Waldram, Veronica - NWP; Goff, Ruthie - Stoller; Navarrete, Leon - Stoller; Hensley, Lorraine - NWP
Cc: Walker, Mak (Maryann) - NWP; Mueller, Terry - NWP; Jones, Laura - NWP
Subject: New NCR-LANL-0725-13

Antonio/Veronica/Groover/Craig – Please ensure that hold tags are apply and notify
Mark – Please review for notification purposes
Paulette/Ruthie/Leon – Please post this open NCR.

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR-LANL-0725-13 Rev. 0
Attachment 3 Page 1 of 1

Jones, Laura - NWP

From: Pearcy, Mark - NWP
Sent: Friday, October 11, 2013 8:56 AM
To: Jones, Laura - NWP
Subject: RE: New NCR-LANL-0725-13

Not reportable

Mark Pearcy
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
575-234-7394 (W)
575-499-7339 (C)

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

From: Jones, Laura - NWP
Sent: Thursday, October 10, 2013 9:20 AM
To: Chavarria, Antonio - NWP; Fitzgerald, Randy - LANL; Groover, Terri-Anne - NWP; Henry, Paulette; Kantrowitz, Rich - NWP; Pearcy, Mark - NWP; Pearcy, Sheila - Stoller; Simmons, Craig - LANL; Terri-Anne Groover; Waldram, Veronica - NWP; Goff, Ruthie - Stoller; Navarrete, Leon - Stoller; Hensley, Lorraine - NWP
Cc: Walker, Mak (Maryann) - NWP; Mueller, Terry - NWP; Jones, Laura - NWP
Subject: New NCR-LANL-0725-13

Antonio/Veronica/Groover/Craig – Please ensure that hold tags are apply and notify
Mark – Please review for notification purposes
Paulette/Ruthie/Leon – Please post this open NCR.

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

Jones, Laura - NWP

From: IDC [SQLMaster@wipp.ws]
Sent: Friday, October 11, 2013 8:56 AM
To: Jones, Laura - NWP; Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP; Morrison, Jim - NWP
Subject: Project Office NCR [NCR-LANL0725130] was just reviewed.

Certification Manager/Designee has just reviewed the project office NCR NCR-LANL0725130 and has indicated that it [should NOT] be reported to CBFO. IDC has already updated the NCR for you.

Jones, Laura - NWP

From: Chavarria, Antonio D [antonio_chavarria@lanl.gov]
Sent: Thursday, October 31, 2013 3:27 PM
To: Jones, Laura - NWP
Subject: RE: Hold tag to be pulled NCR-LANL-0725-13

Laura:

The tag for the container listed below has been removed.

Please let me know if you have any questions.

Thank you,
Antonio
Chavarria

From: Jones, Laura - NWP [mailto:laura.jones@wipp.ws]
Sent: Tuesday, October 22, 2013 10:04 AM
To: Chavarria, Antonio - NWP
Cc: Waldram, Veronica - NWP; Groover, Terri-Anne - NWP; Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP
Subject: Hold tag to be pulled NCR-LANL-0725-13

Antonio – Container Number 94124 has been resolved at the project office please remove hold tag and notify to close NCR.

LA-RTR2-13-0099	94124	Resolved	Weight corrected, ITR and SPM re-reviewed corrected data.	NCR-LANL-0725-13

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR – LANL-0725-13 Rev. 0
Attachment 5 Page 1 of 1

Jones, Laura - NWP

From:	Jones, Laura - NWP
Sent:	Wednesday, October 16, 2013 9:44 AM
To:	Cannon, Val - NWP
Cc:	Walker, Mak (Maryann) - NWP; Mueller, Terry - NWP; Jones, Laura - NWP
Subject:	NCR Review and Determination of Significance.
Attachments:	NCR-LANL-0725-13.pdf; NCR-SRS-0180-13.pdf; NCR-LANL-0576-13.pdf; NCR-LANL-1014-12.pdf
Importance:	High

Val,
Per our conversation yesterday, attached please find the NCRs with the same nonconforming condition and requirement within the last 12 months.
I did a meticulous search and found one more NCR from LANL Site.

NCR-LANL-0725-13 initiated 10/09/2013 Operator: Thad Hasselstrom
NCR-LANL-0576-13 initiated 05/14/2013 Operator: Thad Hasselstrom
NCR-SRS-0180-13 initiated 09/04/2013 Operator: John Brookshire

NCR-LANL-1014-12 initiated 07/30/2012 Operator: Aaron Elliot (This NCR was noted as Recurring Condition in Section 13 on NCR-LANL-0573-13).

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

COPY

Jones, Laura - NWP

From: WippForm@wipp.ws
Sent: Tuesday, October 22, 2013 8:45 AM
To: Jones, Laura - NWP
Subject: New WIPP Form: WF13-312

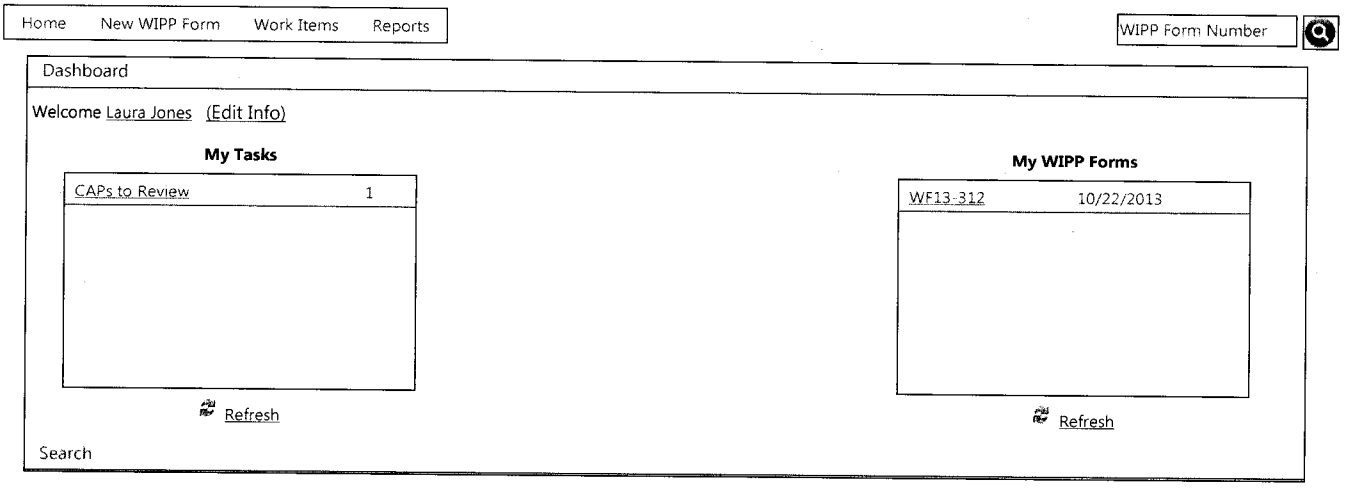
A new WIPP Form has been created by Laura Jones.

WF13-312
Entries were noted within the last six months where Estimated Weight was entered in the wrong Waste Material Parameter categories. NCR-LANL-0576-13 initiated 05/14/2013 NCR-LANL-0725-13 initiated 10/09/2013 NCR-SRS-0180-13 initiated 06/04/2013 Requirement violated: CCP-TP-053, CCP Standard Real-Time Radiography (RTR) Inspection Procedure, Revision 14, Section 4.4.2 (I) "Review Attachment 2 for completeness and accuracy."

View WIPP Form WF13-312

COPY

COPY



Issue Info | Prescreen | PAAA | ORPS | Committee | QA | CAP | Actions | Closure

WF13-312

(Hide/Show)

Originator: Laura Jones **Location:** N/A

Identification Date: 10/22/2013 **Entry Date:** 10/22/2013

Equipment: N/A

Description: Entries were noted within the last six months where Estimated Weight was entered in the wrong Waste Material Parameter categories. NCR-LANL-0576-13 initiated 05/14/2013 NCR-LANL-0725-13 initiated 10/09/2013 NCR-SRS-0180-13 initiated 06/04/2013 Requirement violated: CCP-TP-053, CCP Standard Real-Time Radiography (RTR) Inspection Procedure, Revision 14, Section 4.4.2 (I) "Review Attachment 2 for completeness and accuracy."

Immediate Actions: N/A

Recommended Corrective Actions: To be determined in CAP.

PreScreen	Complete
PAAA	Complete
ORPS	Complete
Committee	Complete
QA	Not Required
CAP_Assignment	Complete
CAP_Creation	Complete
CAP_Review	Ready
Committee_CAP_Review	Not Ready
CAP_Actions	Not Ready
Closure_Review	Not Ready

Attached References:

None

WIPP Records Inventory and Disposition Schedule (RIDS):

NCR-SRS-0180-13 Rev. 0,

This is evidence of an NCR that was included in an evaluation that indicated NCRs with similar scope. LANL NCR, NCR-LANL-0725-13 Rev. 0, is included in this package and was reviewed as another one of the four NCRs included in the CCP evaluation of NCRs with similarity in scope. WIPPForm WF WF13-312 is included in this and was reviewed as resolution by CCP of the frequent occurrence issue.

Closed 09/17/2013

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0240-13 **Revision 2**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDA	3. Batch Data Report #(s): SRLBC0948
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR522335B
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-PO-002 Rev.26
Section 3.3.4 [B.1] CCP personnel identify payload container exceeding limits stated in Table 3-5, segregate them, and disposition them in accordance with approved nonconformance action management procedures.

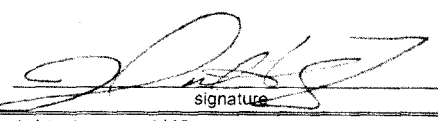
7c. Actual Condition:

The 239Pu Equivalent Activity reported for SR522335B is 1030 Ci. The 239Pu equivalent Activity limit for and SWB container is <560 Ci, per CCP-PO-002.

Revision 1 – Change final disposition Use-as-is.
Revision 2 – Change final disposition to rework.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO If no is checked, explain:

8. NCR Originator:

Joshua Houghton (printed name)  (signature) 07/17/2013 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K	11. Responsible Manager: **Joshua Houghton**
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:

Laura R. Jones (printed name) (signature) 07/17/2013 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 07-/24/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0240-13 Revision 2

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name signature date

16b. QA Engineer or QA Designee:

printed name signature date

Additional Approval:

printed name signature date

Additional Approval:

printed name signature date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0240-13 **Revision 2**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☒ N/A for Reject, Rework, or Scrap]

☐ Reject ☒ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]
1) Update SPM Checklist
2) When CCP-TP-086, "CCP CH Packaging Payload Assembly" has been revised to allow an SWB to be loaded into Ten-Drum Overpack (TDOP) for shipment to WIPP, this NCR can be closed.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:
Joshua Houghton (printed name) _____ (signature) 07/17/2013 (date)

21. QA Engineer or QA Designee:
Laura R. Jones (printed name) Laura Ramon Jones (signature) 07/18/2013 (date)

Additional Approval:
_____ (printed name) _____ (signature) _____ (date)

Additional Approval:
_____ (printed name) _____ (signature) _____ (date)

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:
Joshua Houghton (printed name) _____ (signature) 7-18-13 (date)

23. Attachments: 1- Basis for NCR Closure. 2- Hold tag removal notification

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☑

24b. If HOLD TAG is not applicable, check: ☐ and explain:
See Attachment. 2.

25. Final Disposition Verified – NCR Closed QA Engineer:
Laura R. Jones (printed name) Laura Ramon Jones (signature) 07/23/13 (date)

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary

BDR Number: SRLBC0948				Examination Date: 04/25/13
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Are the background measurements performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
2. Is the efficiency/energy calibration and resolution check performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
3. Were the performance checks and backgrounds done prior to the analysis of the samples? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
4. Are the required QC checks specified on the ITR checklist within acceptable limits? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
5. Is the matrix drum performed at least once per operational week? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
6. List all containers that have met all QC criteria thresholds. **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				Container Numbers: ~~None met CQ criteria.~~ 7-11-13 SR522335B
7. Is there evidence of participation in the PDP program or any relevant approved comparison program? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**	X			
8. Are the personnel training records acceptable? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**	X			
9. Is a standard cover sheet included in the BDR? **Reference Source: CCP Technical Procedures**	X			
10. Is there reference to or copy of associated NCRs included in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-QP-005**	X			NCR-SRS-0240-13 ~~rejects~~ 7-11-13 SR522335B.

NCR -SRS-0240-13 Rev. 2

Attachment 1 Page 1 of 7

NTPC RECORDS ORIGINAL
DATE REC'D 5/6/13

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBC0948	**Examination Date: 04/25/13**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
11. Is the method used for radioassay identified by the implementing procedure(s) and revision number(s) referenced for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
12. Is the current software revision number correct for each container in the BDR? **Reference Source: CCP-QP-022**	X			
13. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-002, Attachment 1, A.5.1**	X			NCR – SRS-0240-13 Rev. 2 Attachment 1 Page 2 of 7
14. Is the correct Waste Matrix Code referenced in the BDR? **Reference Source: CCP Technical Procedures**			X	WMC not a required input to operate SRS box counter (NABC).
15. Is the method of expressing TMU specified in the BDR? **Reference Source: CCP-PO-002, 3.3.1**	X			
16. Does the instrument performing TRU/low-level waste measurement have an LLD of 100 nCi/g or less? **Reference Source: CCP-PO-002, Attachment 1, A.3**	X			
17. Are the ten WIPP tracked radionuclides of 241Am, 238Pu, 239Pu, 240Pu, 242Pu, 233U, 234U, 238U, 90Sr, 137Cs estimated activities and masses, including their associated TMU reported on each radioassay data sheet? **Reference Source: CCP-PO-002, 3.3.1**	X			
18. Is 235U (in order to calculate FGE) reported as present or absent on each radioassay data sheet? **Reference Source: CCP-PO-002, Attachment 1, A.3**	X			U235 not detected.
19. If 235U is reported as present, is 234U reported as present? NA, if 235U is not present. **Reference Source: CCP Technical Procedures**			X	
20. Is the TRU alpha activity concentration and associated TMU reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**	X			

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBC0948	Examination Date: 04/25/13			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
21. Is the TRU alpha activity concentration limit of >100 nCi/g met for containers in the BDR? **Reference Source: CCP-PO-002, 3.3.3**	X			
22. Is the Total Pu239 FGE (g) and associated TMU reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**	X			
23. Is the FGE plus two times the TMU less than or equal to the limits for containers in this BDR? 200 FGE for 55-gal drums/325 FGE for SWBs. Note: TMU equals one standard deviation. **Reference Source: CCP-PO-002, Table A-3**	X			NCR -SRS-0240-13 Rev. 2 Attachment 1 Page 3 of 7
24. Is the decay heat reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**	X			
25. Are all the appropriate QC forms (background, efficiency checks, control charts, and matrix drum) included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
26. Is the name of the testing facility included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
27. Is the batch number included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
28. Is a listing of all container numbers in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
29. Does the BDR contain a BDR Table of Contents? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
30. Are the testing report data sheets including the waste container number for each container included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
31. Is the title "Radioassay Data Sheet" included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBC0948	Examination Date: 04/25/13			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
32. Is the date of radioassay included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
33. Is the operator and reviewer signature release and date included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
34. Is the total Pu239 equivalent activity (Ci) reported for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
35. Are the NDA net weights within 5% of the NDE net weight or the VE net weight, whichever is applicable, for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
Comments: None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Barbara Broomfield				05/06/13
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
Joshua Houghton		update for NCR-SRS-0240-13	7-17-13

NCR -SRS-0240-13 Rev. 2

Attachment 1 Page 4 of 7

[O] Ensure that each container with contents containing PCBs is marked for transportation in accordance with 40 CFR 761.40, as shown in Figure 4.

[P] CH Packaging Payload Assembly Operator, print name, sign, and date Attachment 1, signifying correct containers loaded in TDOP.

[Q] Peer Independent Verifier, print name, sign, and date Attachment 1, signifying correct containers loaded in TDOP.

[R] Reinstall the TDOP lid per step 4.2.7.

NOTE
Rigging can be removed anytime the lid is positioned on the TDOP body.

4.2.6 TDOP Payload Handling/Loading of a Single SWB

NOTE
Only one SWB can be loaded into a TDOP. The SWB must be placed in the TDOP with prefabricated dunnage materials. The dunnage materials must be partially installed in the TDOP interior **BEFORE** installing the SWB in the TDOP.

NOTE
The Dunnage installation must be used with the TDOP for all SWB transports. Sketches of the dunnage, material requirements, and installation are included in Appendix A, as Figures 1 – 6 in WP 08-PT.02, *Ten Drum Overpack Handling and Operation Manual*.

[A] Review Figure 1 to decide the type of dunnage needed and how the dunnage will be placed in the TDOP.

[B] Fabricate the upper and lower dunnage assemblies as shown in Figures 4 and 5.

[C] Place the lower dunnage assembly in the bottom of the TDOP. Install the sidewall dunnage assembly as shown in Figure 4.

[D] Obtain SWB number to be overpacked from CCP WCO.

[E] Ensure the SWB is checked to see that there are no hold tags attached.

[E.1] **IF** a hold tag is found,
THEN contact the TCO for disposition.

[F] Record SWB ID Number designated to be loaded on Attachment 1.

[G] Ensure SWB ID Number recorded on Attachment 1 matches the label on the SWB, **AND** initial Attachment 1.

NOTE
In order to read the SWB number label, peer verification can be performed concurrently as the SWB is placed in the overpack.

NOTE
The SWB shall be loaded in the TDOP as illustrated in Figures 2 and 3 in WP 08-PT.02.

- The SWB may be installed horizontally by placing the TDOP on its side such that a forklift can be used to insert the SWB into its position against the bottom dunnage support against the TDOP bottom pan.
- The SWB may be installed into the TDOP in the vertical position with the use of a crane, by rigging the SWB with temporary slings. The slings suspend the SWB with the long axis vertical. The SWB can then be lowered into the TDOP. The sling rigging must take into account the need to be able to remove the slings if the loading facility wishes to retain the slings at their facility after the SWB TDOP loading.

NOTE
The SWB will be loaded into the TDOP per an approved site rigging plan.

[H] Place SWB in the TDOP using appropriate lifting methods

[I] Peer independent verifier, verify SWB number matches number on Attachment 1, **AND** initial Attachment 1.

[J] Ensure that the TDOP is labeled with Caution Radioactive material using a yellow and magenta label as required by 10 CFR 835.

NOTE
Labels are required to be placed on the TDOP to meet the WIPP-WAC and RCRA regulations. At SRS, complete removal of all RCRA labeling may NOT be done without approval from SRS Solid Waste Environmental Compliance.

[K] Label those TDOP holding RCRA regulated mixed TRU waste as required by 40 CFR 262.32 and 49 CFR 172 respectively.

[L] Place the upper dunnage assembly over the SWB at the top of the TDOP as shown in Figures 2, 3, and 6 in WP 08-PT.02.

[M] Reinstall the TDOP lid as instructed in Subsection 4.2.7

4.2.7 TDOP Lid Installation

[A] Record Torque Wrench Serial Number **AND** Calibration Due Date on Attachment 1 for lid screws.

[B] Ensure rigging (capable of lifting 300 pounds) is properly attached to the lid lifting swivel hoist ring.

[C] **IF NOT** already installed,
THEN attach rigging (capable of lifting 300 pounds) to the lid lifting swivel hoist ring.

[D] Lift the lid above the container.

[E] Center the lid so that the lid alignment stripe is positioned over the mating stripe on the body shell flange.

[F] Visually inspect the payload containers to ensure that payload banding protection clips, packaging material, or other foreign material is **NOT** inadvertently placed in the payload or in or around the sealing surfaces, and clean as required.

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Monday, July 22, 2013 8:05 AM
To: Jones, Laura - NWP; Walker, Mak (Maryann) - NWP
Subject: Re: Hold tag removal NCR-SRS-0240-13-2

Tag removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Houghton, Joshua - NWP" <joshua.houghton@wipp.ws>, "Mueller, Terry - NWP" <terry.mueller@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>
Date: 07/18/2013 01:04 PM
Subject: Hold tag removal NCR-SRS-0240-13-2

Steve / Pat – Container below has been resolved at the project office please remove hold tag and notify.

SRLBC0948	SR522335B	Resolved	SPM Checklist has been updated and Procedure CCP-TP-086 was issued effective date 07-16-2013.	NCR-SRS-0240-13-2

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR-SRS-0240-13 Rev. 2
Attachment 2 Page 1 of 1

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0240-13 **Revision 1**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDA	3. Batch Data Report #(s): SRLBC0948
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR522335B
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☑ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-PO-002 Rev.26
Section 3.3.4 [B.1] CCP personnel identify payload container exceeding limits stated in Table 3-5, segregate them, and disposition them in accordance with approved nonconformance action management procedures.

7c. Actual Condition:

The 239Pu Equivalent Activity reported for SR522335B is 1030 Ci. The 239Pu equivalent Activity limit for and SWB container is <560 Ci, per CCP-PO-002.

Revision 1 – Change final disposition Use-as-is.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO If no is checked, explain:

8. NCR Originator:
Joshua Houghton (printed name) — signature — 07/01/2013 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K	11. Responsible Manager: **Joshua Houghton**
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):	13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:
Laura R. Jones (printed name) — Laura Ramon Jones (signature) — 07/02/2013 (date)

SUPERSEDED BY REV 2 07/18/2013 JAT

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0240-13 **Revision 1**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name _____ signature _____ date _____

16b. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name _____ signature _____ date _____

18. Interim Disposition Verified – QA Engineer:

printed name _____ signature _____ date _____

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0240-13 Revision 1

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☒ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]
SWB will be overpacked into a TDOP, which is an approved shipping configuration.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☒ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

printed name	signature	date
Joshua Houghton		07/01/2013

21. QA Engineer or QA Designee:

printed name	signature	date
Laura Ramsey Jones	Laura Ramsey Jones	07/02/2013

Additional Approval:

printed name	signature	date

Additional Approval:

printed name	signature	date

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name	signature	date
~~Joshua Houghton~~		7-2-13

07/23/13 JH

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name	signature	date

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS- 0240-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDA	SRLBC0948
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
N/A	N/A	SR522335B
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-PO-002 Rev.26
Section 3.3.4 [B.1] CCP personnel identify payload containers exceeding limits stated in Table 3-5, segregate them, and disposition them in accordance with approved nonconformance and corrective action management procedures.

7c. Actual Condition:

The 239Pu Equivalent Activity reported for SR522335B is 1030 Ci. The 239Pu Equivalent Activity limit for an SWB container is <560 Ci, per CCP-PO-002.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:

Michael Schneider (printed name) — (signature) — 5/2/13 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K	11. Responsible Manager: Todd Shepley
12. Significant Condition? ☑ YES ☑ NO **(If Yes, enter CAR No.:)**	**13. Recurring Condition?** ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Blake Brashears (printed name) — (signature) — 5-2-13 (date)

SUPERSEDED BY REV 1 07/02/2013 LBT

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0240-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use
☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0240-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
Return container to host site for disposition of non-conforming condition.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):
N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Todd Shepley	Todd Shepley 5/2/13		Blake Brashears	Blake Brashears	5-2-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name | signature | date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

printed name | signature | date

Non-conformance Reports (NCRs):

NCR-SRS-0240-13 Rev. 2,

This is evidence of revision of an NCR. Revisions 0 and 1 are included in this package for reference.

Closed 07/23/2013

DIVIDER

PAGE

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Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-0254-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0077
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
N/A	N/A	773A000001
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WMS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-053, Rev. 12, Section 4.4.2 [H.2] IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:

This container does not match for waste packaging due to a lead liner being identified and per the host site it was used for shielding.

VOID JMS 1/28/13

Site 1/10/13

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator: John Brookshire (printed name) John Brookshire (signature) 1/10/13 (date)

9. Does the identified condition have the potential to impact AK? ☑ YES ☐ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: L

11. Responsible Manager: Beverly Schrock

12. Significant Condition? ☐ YES ☑ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation: Steve Muse (printed name) (signature) 1/10/13 (date)

CCP RECORDS ORIGINAL
DATE REC'D 1/28/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0254-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☑ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1.) Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005. 2.) AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR. 3.) SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
Georgia N. Faris for Beverly Schrock		1-10-13	Steve Muse		1/10/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name | signature | date

18. Interim Disposition Verified – CCP QA Engineer:

printed name | signature | date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0254-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments: Attachment 1, Technical Justification for voiding NCR.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

Attachment 2 – CCP Nonconformance Report (NCR) Continuation Sheet

NCR No. NCR-SRS-0254-13	Revision 0	Attachment # 1 Page 1 of 1

Continuation from Section Number: 7(c)

Technical Justification for Voiding:

The LCNDE system malfunctioned before the Replicate Scan could be performed. Therefore this NCR is being voided. The BDR is also being voided (Ref. NCR-SRS-0257-13) and both containers in the batch will be rescanned on appropriate RTR system.

Originator: John Brookshire John Brookshire 1/28/13

QA Engineer: Steve Major Steve Major 1/28/13

Responsible Manager: Adela Mlanta 1/28/13

SPM: Adela Mlanta - 1/28/13

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	01-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0254-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRLBR0077 (773A000001)	01/10/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

THIS IS AN OPEN NCR AND HAS BEEN SCANNED AND UPLOADED TO DIXON - THE ORIGINAL HARD COPY IS BEING SENT TO THE PROJECT OFFICE IN CARLSBAD BECAUSE IT WILL BE EVENTUALLY CLOSED OUT THERE.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Laura Ramos Jones Signature	Laura R. Jones Printed Name	01/15/2013 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

Non-conformance Reports (NCRs):

NCR-SRS-0254-13 Rev. 0,

This is an example of a voided NCR. See NCR-SRS-0257-13 that was written to resolve the issue.

Closed 01/28/2013

DIVIDER

PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-0257-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0077
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** SR525068A and 773A000001
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-053 Rev.12, Section 3.0 RESPONSIBILITIES step 3.1.4 states...A second and independent qualified RTR Operator performs a Replicate Scan on one waste container per testing batch, or once per calendar day of operation, whichever is less frequent. In this context, independence means the individual did not perform, nor review the original work.

7c. Actual Condition:

Due to equipment failure the Replicate Scan was not achieved therefore this BDR is incomplete and needs to be voided.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ **YES** ☐ **NO (If no is checked, explain:)**

8. NCR Originator:

John Brookshire (printed name) — John Brookshire (signature) — 1/28/13 (date)

9. Does the identified condition have the potential to impact AK? ☐ **YES** ☑ **NO** ☐ **INDETERMINATE**

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: H

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ **YES** ☑ **NO** **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ **YES** ☑ **NO (If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Steve Muse (printed name) — Steve Muse (signature) — 1/28/13 (date)

NTPC RECORDS ORIGINAL

DATE REC'D 04-10-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0257-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0257-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1.) Void the BDR
2.) Re-run containers on applicable RTR units

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia Kareis	Georgia Kareis	1/28/13	Steve Muse	Steve Muse	1/28/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia M. Kareis Georgia M. Kareis 4/10/13
printed name signature date

23. Attachments:

No Attachments. Container SR5250068A was re-scanned in SR4BR0313. 773A000001 was re-scanned in SR4BR0085. JAK 4/10/13

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

Steve Muse Steve Muse 4/10/13
printed name signature date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0257-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRLBR0077 (SR525068A AND 773A000001) CLOSED – REV. 0	04/10/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	4.22.13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record

[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0257-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRLBR0077 (SR525068A AND 773A000001) CLOSED – REV. 0	04/10/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	4.22.13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4278
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/24 09:56
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0257-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRLBR0077 (SR525068A AND 773A000001) CLOSED – REV. 0	04/10/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments:

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Non-conformance Reports (NCRs):

NCR-SRS-0257-13 Rev. 0,

This is the NCR that was written to resolve the issue in voided NCR, NCR-SRS-0254-13.

Closed 04/10/2013

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS- 0237-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDA	SRLBC0942
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): FCAN06036A
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☑ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-PO-002 Rev. 26 CCP Transuranic Waste Certification Plan
Section 4.5.2 *"TRU waste payload containers shall contain more than 100 nCi/g of alpha-emitting TRU isotopes with half-lives greater than 20 years, as specified in Section 4.8.3 (Reference 47)*

7c. Actual Condition:

The Container(s) listed in block 3 contain less than 100 nCi/g.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:

Michael Schneider _____ 4/22/13
printed name signature date

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Tim Carlton

12. Significant Condition? ☐ YES ☑ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Blake Brashears _____ 4-22-13
printed name signature date

NTPC RECORDS ORIGINAL
DATE REC'D 06/18/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0237-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use
☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – *Responsible Manager* or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0237-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1) Return container(s) to SRS.
2) Remove container(s) from AK Tracking spread sheet.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Tim Carlton	[signature]	4/22/13	Blake Brashears	[signature]	4-22-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

B Schrock — printed name
B Schrock — signature
6/5/13 — date

23. Attachments: 1- Evidence for NCR Closure.
2- Hold tag removal notification.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

See Attachment 2.

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

Laura R Tore — printed name
Laura Tore — signature
06/17/2013 — date

Schrock, Beverly - NWP

From: Schrock, Beverly - NWP
Sent: Tuesday, June 04, 2013 3:31 PM
To: McCabe, Diana
Cc: Soaterna, Carolina - NWP; Lee, Ronnie - NWP
Subject: SRS LLW Containers

Diana,

Please exclude the following containers, they are all LLW:

FCAN06036A
HBL120574
HBL120578
HBL120579
HBL120580
HBL120581
HBL120582
HBL120583
HBL120584

Thank you!
Bev

Beverly S. Schrock
Site Project Manager
Central Characterization Program
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
(575) 234-7444
(575) 706-0809 Cell

NWP
Nuclear Waste Partnership LLC
A URS led partnership with B&W and AREVA

NCR SRS-0237-13-0
Attachment 1 Page 1 of 4

Schrock, Beverly - NWP

From: Diana McCabe [dkmccabe@hughes.net]
Sent: Wednesday, June 05, 2013 8:59 AM
To: Schrock, Beverly - NWP
Subject: Re: SRS LLW Containers

Bev,

Just a quick note to let you know that these containers have been EXCLUDED in the SRS IDC and both spreadsheets published to the sftp site.

Thank you,
Diana McCabe
325-650-3378

on Jun 04, 2013, **Schrock, Beverly - NWP** <Beverly.Schrock@wipp.ws> wrote:

Diana,

Here are a few more that are also LLW at SRS and need to be excluded:

HBL120585
SR522599A
SR54064316
SR54064317
SWD12228

Thanks,

Bev

Beverly S. Schrock

Site Project Manager

Central Characterization Program
Nuclear Waste Partnership, LLC

NCR SRS-0237-13-0
Attachment 1 Page 2 of 4

Contractor for the U.S. Department of Energy
(575) 234-7444

(575) 706-0809 Cell

From: Schrock, Beverly - NWP
Sent: Tuesday, June 04, 2013 3:31 PM
To: McCabe, Diana
Cc: Soaterna, Carolina - NWP; Lee, Ronnie - NWP
Subject: SRS LLW Containers

Diana,

Please exclude the following containers, they are all LLW:

FCAN06036A
HBL120574
HBL120578
HBL120579
HBL120580
HBL120581
HBL120582
HBL120583
HBL120584

Thank you!

Bev

Beverly S. Schrock

Site Project Manager

Central Characterization Program
Nuclear Waste Partnership, LLC

NCR SRS-0237-13-0
Attachment 1 Page 3 of 4

CONTAINERID: FCAN06036A

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
FCAN06036A	SWB		NO WDS STATUS	YES (Inactive)	SR-SDD-HET-A	NONE	

BDR DATA

BDRID	Type	Status	Generation Date
SRLBC0942	NDA	Complete	2013-04-18
SRLBR0087	RTR	Complete	2013-04-18

NCR DATA

Container ID	NCRID	Status	Release Code
FCAN06036A	NCR-SRS0237130	Open	None

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
FCAN06036A	SRLBC0942	NCR-SRS0237130	Open	None	

Container(s) listed in Block 3 contains less than 100 nCi/g.

NCR SRS-0237-13-0 Attachment 1 Page 4 of 4

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Wednesday, June 12, 2013 8:57 AM
To: Jones, Laura - NWP
Subject: Re: Hold tags to be pulled.

Tags removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Cantu, Adela - NWP" <Adela.Cantu@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>, "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
Date: 06/11/2013 09:28 AM
Subject: Hold tags to be pulled.

Steve / Pat – Containers below have been excluded from the AKTSS and have a resolution of "return" in IDC please remove hold tags and notify to close NCRs.

CONTAINER	NCR
HBL120578	NCR-SRS-0239-13-0
HBL120579	
HBL120580	
HBL120584	
HBL120585	NCR-SRS-0242-13-0
SWD12228	NCR-SRS-0234-13-0
SR54064316	
SR54064317	
SR522599A	
FCAN06036A	NCR-SRS-0237-13-0
HBL120583	NCR-SRS-0238-13-0
HBL120581	
HBL120574	
HBL120582	

NCR -SRS-0237-13 Rev.0
Attachment 2 Page 1 of 2

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator

Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR -SRS-0237-13 Rev. 0

Attachment 2 Page 2 of 2

Non-conformance Reports (NCRs):

NCR-SRS-0237-13 Rev. 0,

This is an example of an NCR identified at the Data Generation Level.

Closed 06/17/2013

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS- 0248-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDA	SRLBC0973
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** WMPSLB022D
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☑ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-PO-002 Rev. 27 CCP Transuranic Waste Certification Plan
Section 4.5.2 "TRU waste payload containers shall contain more than 100 nCi/g of alpha-emitting TRU isotopes with half-lives greater than 20 years, as specified in Section 4.8.3 (Reference 47)

7c. Actual Condition:

The Container(s) listed in block 3 contain less than 100 nCi/g.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:

Daniel Crosby (printed name) Daniel Crosby (signature) 6-10-13 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Todd Shepley

12. Significant Condition? ☐ YES ☑ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Blake Brashears (printed name) (signature) 6-10-13 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 07/25/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0248-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use
☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS- 0248-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1) Return container(s) to SRS.
2) Remove container(s) from AK Tracking spread sheet.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Todd Shepley	Todd S Shepley	6/10/13	Blake Brashears	Blake Brashears	6-10-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Joshua Houghton — printed name; signature; 7-23-13 — date

23. Attachments: 1- Basis for NCR closure 2- Hold tag removal notification.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

See Attachment 2.

25. Final Disposition Verified – NCR Closed — CCP QA Engineer:

Laura R. Jones — printed name; Laura R. Jones — signature; 07/24/2013 — date

Houghton, Joshua - NWP

From: Diana McCabe <dkmccabe@hughes.net>
Sent: Tuesday, July 23, 2013 3:54 PM
To: Houghton, Joshua - NWP
Subject: Re: CCP Hold Tag for WMPSLB022D - Located in LAWV 9

Hi Joshua.

This has been done and both spreadsheets published to the sftp site. If you ever need something in a hurry please just let me know and I'll do it asap!! Thanks and have a great evening (I plan to since it's my birthday)!!

Diana

on Jul 23, 2013, **Houghton, Joshua - NWP** <joshua.houghton@wipp.ws> wrote:

Could you please remove container WMPSLB022D from the AKTSS as it is LLW.

Thanks,
Joshua Houghton
Nuclear Waste Partnership LLC

Contractor to the Department of Energy

4021 National Parks Hwy

Carlsbad, NM 88220

SPM / WCO
575-234-7124 (Office)

806-319-0991 (Cell)

From: steve.muse@srs.gov [mailto:steve.muse@srs.gov]
Sent: Tuesday, July 23, 2013 4:26 AM
To: Houghton, Joshua - NWP; Schrock, Beverly - NWP
Cc: renee.hoeffner@srs.gov
Subject: Fw: CCP Hold Tag for WMPSLB022D - Located in LAWV 9

NCR -SRS-0248-13 Rev. 0
Attachment 1 Page 1 of 3

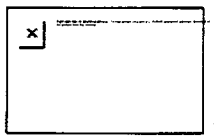
Please let me know when this container is released. Thanks.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072
----- Forwarded by Steve Muse/SRNS/Srs on 07/23/2013 06:23 AM -----

From: Renee Hoeffner/SRNS/Srs
To: Steve Muse/SRNS/Srs@Srs,
Date: 07/22/2013 01:19 PM
Subject: CCP Hold Tag for WMPSLB022D - Located in LAWV 9

I am hoping to ship WMPSLB022D (SWB) as LLW to the trench this Wednesday, but I just noticed that it has a CCP Hold Tag (NCR-SRS-0248-13) for <100 nCi/g.

It's located in LAWV 9 and it's accessible. Is it possible to get it removed by COB Tuesday?



NCR -SRS-0248-13 Rev. 0
Attachment 1 Page 2 of 3

CONTAINERID: WMPSLB022D

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
WMPSLB022D	SWB		NO WDS STATUS	YES (Inactive)	SR-W027-773A-HET	NONE	

BDR DATA

BDRID	Type	Status	Generation Date
SR13FG11074	HSG_TRANS	Complete	2013-06-27
SRLBC0961	NDA	Complete	2013-05-15
SRLBC0973	NDA	Complete	2013-06-06
SRLBR0091	RTR	Complete	2013-05-13

NCR DATA

Container ID	NCRID	Status	Release Code
WMPSLB022D	NCR-SRS0245130	Closed	Resolved
WMPSLB022D	NCR-SRS0248130	Open	None

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
WMPSLB022D	SRLBC0961	NCR-SRS0245130	Closed	Resolved	Pu238, Pu239, Pu240, and Am241 combined MDA concentrations are above the TRU/NonTRru sorting limit.These containers are indeterminate activity assays. Gamma and passive neutron assays are rejected.
WMPSLB022D	SRLBC0973	NCR-SRS0248130	Open	None	Container(s) listed in Block 3 contains less than 100 nCi/g.

NCR -SRS-0248-13 Rev. 0

Attachment 1 Page 3 of 3

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Wednesday, July 24, 2013 8:49 AM
To: renee.hoeffner@srs.gov
Cc: Jones, Laura - NWP
Subject: Re: CCP Hold Tag for WMPSLB022D - Located in LAWV 9

Renee:

This hold tag has been removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: Renee Hoeffner/SRNS/Srs
To: Steve Muse/SRNS/Srs@Srs,
Date: 07/22/2013 01:19 PM
Subject: CCP Hold Tag for WMPSLB022D - Located in LAWV 9

I am hoping to ship WMPSLB022D (SWB) as LLW to the trench this Wednesday, but I just noticed that it has a CCP Hold Tag (NCR-SRS-0248-13) for <100 nCi/g.

It's located in LAWV 9 and it's accessible. Is it possible to get it removed by COB Tuesday?

GCO

NCR - SRS-0248-13 Rev. 0
Attachment 2 Page 1 of 1

Non-conformance Reports (NCRs):

NCR-SRS-0248-13 Rev. 0,

This is an example of an NCR identified at the Data Generation Level.

Closed 07/29/2013

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0165-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
NA	HSG SAMPLING	SRHSG1302
4. Order/Work Order/Job Control Number (if applicable): NA	5. PO # (if applicable): NA	Container #(s): SR607474
	6. Supplier (if applicable): NA	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-SO-SRS-052 REV 0 states "The more restrictive Sampling Scenario 3 shall be used for all containers that meet the requirements for Sampling Scenario 2 (i.e.-generated in an unvented condition and subsequently vented) that have subsequently been purged. The purge date will be used to calculate the DAC for Scenario 3."

7c. Actual Condition:

The SRS AK Tracking Spreadsheet did not include the word "Purge" when updating the Vent Date 1 date so the operator use Sampling Scenario 2 to determine the DAC instead of Sampling Scenario 3 per CCP-SO-SRS-052. The actual container date far exceeded the Permit Required Equilibrium Time and does not impact the data.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO (If no is checked, explain:)
Permit Requirement equilibrium time for this container is met and data is not affected. The data is acceptable to use-as-is. 02/14/13 LRJ

8. NCR Originator:
Adela M. Cantu (printed name) Adela M Cantu (signature) 2/11/2013 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: J

11. Responsible Manager: Charles Turner

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:
Laura Jones (printed name) Laura Lawson Jones (signature) 02/12/2013 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 2.18.13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0165-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0165-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
X Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
When the AK tracking spreadsheet (AKSS) was last updated the purging of waste containers was no longer being performed and so no purging data was included in the updated AKSS. Without the purge data the sampling is a Scenario 2 which is what the operator recorded. With the purge data the sampling is Scenario 3. The permit required equilibrium time (days) for Scenario 2 and 3 is 25 and 175 days respectively. The equilibrium days for this waste container is 1757. Since the permit required equilibrium time is met or either Scenario, the data is acceptable to use-as-is.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
NA

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap): NA

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Charles Turner		2-12-13	Laura R. Jones	Laura Rawson Jones	02/14/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:
Charles Turner — signature — 2-14-13
printed name — date

23. Attachments: 1 - Email Documenting Reportability.
2 - Sample Data Form.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☑
See Section 7d.

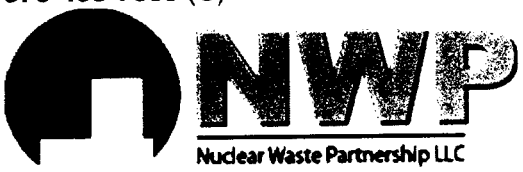
25. Final Disposition Verified – NCR Closed — CCP QA Engineer:
Laura R. Jones — Laura Rawson Jones — 02/14/13

Jones, Laura - NWP

From: Pearcy, Mark - NWP
Sent: Thursday, February 14, 2013 1:39 PM
To: Jones, Laura - NWP
Subject: RE: NCR-SRS-0165-13

Not reportable

Mark Pearcy
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
575-234-7394 (W)
575-499-7339 (C)



A URS-led partnership with B&W and AREVA

From: Jones, Laura - NWP
Sent: Thursday, February 14, 2013 12:28 PM
To: Kantrowitz, Rich - NWP; Lee, Ronnie - NWP; Muse, Steve - SRS; Patterson, Jeffrey; Pearcy, Mark - NWP; Pearcy, Sheila - Stoller; Punchios, Sheri - Stoller; Schrock, Beverly - NWP; Soaterna, Carolina - NWP; Tilmon, Pat; Turner, Charles - NWP; Cantu, Adela - NWP
Cc: Jones, Laura - NWP
Subject: NCR-SRS-0165-13

Steve / Pat – Please ensure that hold tags are hang and send notification when this is completed.
Mark – Please review for notification purposes.
Jeff – Please post this open NCR.

Thanks,

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR – SRS-0165-13 Rev. 0
Attachment 1 Page 1 of 2

Jones, Laura - NWP

From: IDC [SQLMaster@wipp.ws]
Sent: Thursday, February 14, 2013 1:40 PM
To: Jones, Laura - NWP; Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP; Morrison, Jim - NWP
Subject: Project Office NCR [NCR-SRS0165130] was just reviewed.

Certification Manager/Designee has just reviewed the project office NCR NCR-SRS0165130 and has indicated that it [should NOT] be reported to CBFO. IDC has already updated the NCR for you.

NCR -SRS-0165-13 Rev. 0

Attachment 1 Page 2 of 2

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number: SRHSG1302

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 & XC0708 Temperature Recorder Calibration Due Date: 3/7/2013 & 2/13/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR54064315	9/27/2012	9/27/2012	16	123	40	Y	1/25/13 1255	1/28/13 1255
2	SR54300505	9/21/2012	9/21/2012	16	129	15	Y	1/25/13 1255	1/28/13 1255
3	SR607474	12/15/1995	4/7/2008	25	1757	95	Y	1/25/13 1255	1/28/13 1255
4	WMPSWB155B	4/17/2012	4/17/2012	16	286	80	Y	1/25/13 1255	1/28/13 1255
5	HBL120004	5/2/2012	5/2/2012	16	271	75	Y	1/25/13 1255	1/28/13 1255
6	HBL120483	8/10/2012	8/10/2012	152	171	35	Y	1/25/13 1255	1/28/13 1255
7	HBL120435	7/14/2012	7/14/2012	152	198	35	Y	1/25/13 1255	1/28/13 1255
8	HBL120255	5/4/2012	5/4/2012	152	269	35	Y	1/25/13 1255	1/28/13 1255
9	HBL120281	5/9/2012	5/9/2012	152	264	35	Y	1/25/13 1255	1/28/13 1255
10	HBL120006	1/22/2012	1/22/2012	152	372	35	Y	1/25/13 1255	1/28/13 1255
11	HBL120409	6/25/2012	6/25/2012	152	217	35	Y	1/25/13 1255	1/28/13 1255
12	HBL120362	6/10/2012	6/10/2012	152	232	35	Y	1/25/13 1255	1/28/13 1255
13	HBL120523	8/23/2012	8/23/2012	152	158	35	Y	1/25/13 1255	1/28/13 1255
14	HBL120269	5/6/2012	5/6/2012	152	267	35	Y	1/25/13 1255	1/28/13 1255
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams (Print Name) (Signature) 1/28/13 (Date)

92

NCR – SRS-0165-13 Rev.0

Attachment 2 Page 1 of 1

Non-conformance Reports (NCRs):

NCR-SRS-0165-13 Rev. 0,

This is an example of and NCR identified at the Project Level.

Closed 02/14/2013

DIVIDER PAGE

COPY

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-0174-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
n/a	NDA	SRLBC0942
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
n/a	n/a	SR523235A
	6. Supplier (if applicable):	
	n/a	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-189, Rev 3, § 4.6.6 - §4.6.9, Perform assay using NDA 2000....when the analysis is complete, select the View Last Assay Report button on the NDA 2000 screen, and review the results for completeness. CCP-TP-189, Rev 3, § 5.1.1 [A] - [E], QA/Lifetime records.

7c. Actual Condition:
NDA BDR did not include the NDA2000 report for container SR523235A.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO (If no is checked, explain:)
04/25/13 LAS

8. NCR Originator:
David W. Moody — 24 Dm 4/24/13 — 25 April 2013
printed name — signature — date

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: A

11. Responsible Manager: Beverly Schrock

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:
Laura R. Jones — Laura Ramos Jones — 04/24/2013
printed name — signature — date

CCP RECORDS ORIGINAL
DATE REC'D 5/9/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0174-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-0174-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☐ Reject ☑ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1. NDA personnel will please add missing page (NDA2000 report) for container SR523235A in BDR SRLBC0942.
2. NDA personnel to add a copy of this NCR to BDR and perform re-review.
3. NDA personnel to submit revised BDR to Records for SPM review and approval.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

~~Operators and ITR will verify all records are included in BDR per applicable procedures.~~

NA 04/24/13 LRJ

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
BSSchrock	BSSchrock	4/24/13	Laura R. Jones	Laura Ramos Jones	04/24/13
printed name	signature	date	printed name	signature	date
Additional Approvals:		4/24/13	Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

BSSchrock BSSchrock 5/6/13
printed name signature date

23. Attachments: 1 - Email Documenting Repatability. 2 - Hold tag application notification. 3 - Basis for NCR Closure. 4 - Hold tag removal notification.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

See Attachment 4

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

Laura R. Jones Laura Ramos Jones 05/07/2013
printed name signature date

Jones, Laura - NWP

From: Pearcy, Mark - NWP
Sent: Thursday, April 25, 2013 7:04 AM
To: Jones, Laura - NWP
Subject: RE: New NCR-SRS-0174-13

Not reportable

Mark Pearcy
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
575-234-7394 (W)
575-499-7339 (C)

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

From: Jones, Laura - NWP
Sent: Wednesday, April 24, 2013 2:24 PM
To: Kantrowitz, Rich - NWP; Lee, Ronnie - NWP; Muse, Steve - SRS; Patterson, Jeffrey; Pearcy, Mark - NWP; Pearcy, Sheila - Stoller; Schrock, Beverly - NWP; Soaterna, Carolina - NWP; Tilmon, Pat
Cc: Jones, Laura - NWP
Subject: New NCR-SRS-0174-13

Steve / Pat – Please ensure that hold tag is hang and send notification when this is completed.
Mark – Please review for notification purposes.
Jeff – Please post this open NCR.

Thanks,

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR – SRS-0174-13 Rev. 0
Attachment 1 Page 1 of 2

Jones, Laura - NWP

From: IDC [SQLMaster@wipp.ws]
Sent: Thursday, April 25, 2013 7:04 AM
To: Jones, Laura - NWP; Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP; Morrison, Jim - NWP
Subject: Project Office NCR [NCR-SRS0174130] was just reviewed.

Certification Manager/Designee has just reviewed the project office NCR NCR-SRS0174130 and has indicated that it [should NOT] be reported to CBFO. IDC has already updated the NCR for you.

NCR -SRS-0174-13 Rev. 0

Attachment 1 Page 2 of 2

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Thursday, April 25, 2013 6:29 AM
To: Jones, Laura - NWP; Walker, Mak (Maryann) - NWP
Subject: Re: New NCR-SRS-0174-13

Tag applied.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Kantrowitz, Rich - NWP" <rich.kantrowitz@wipp.ws>, "Lee, Ronnie - NWP" <ronnie.lee@wipp.ws>, "Muse, Steve - SRS" <steve.muse@srs.gov>, "Patterson, Jeffrey" <Jeffrey.Patterson@wipp.ws>, "Pearcy, Mark - NWP" <Mark.Pearcy@wipp.ws>, "Pearcy, Sheila - Stoller" <Sheila.Pearcy@wipp.ws>, "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Soaterna, Carolina - NWP" <carolina.soaterna@wipp.ws>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Jones, Laura - NWP" <laura.jones@wipp.ws>
Date: 04/24/2013 04:31 PM
Subject: New NCR-SRS-0174-13

Steve / Pat – Please ensure that hold tag is hang and send notification when this is completed.
Mark – Please review for notification purposes.
Jeff – Please post this open NCR.

Thanks,

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

[attachment "NCR-SRS-0174-13.pdf" deleted by Steve Muse/SRNS/Srs]

NCR – SRS-0174-13 Rev. D

Attachment 2 Page 1 of 1

Attachment 1 – NDA Batch Data Report Cover Sheet

Site ID: SRS		**NDA Batch #:** SRLBC0942	
NDA Counter ID: LBNDA		**NDA Batch Date:** 4/18/2013	
Waste Containers:			
WMAPSWB614	WMPSLB019A	N/A	N/A
WMAPSWB616	N/A	N/A	N/A
WMAPSWB615	N/A	N/A	N/A
WMAPSWB617	N/A	N/A	N/A
SR523235A	N/A	N/A	N/A
FCAN06036A	N/A	N/A	N/A

NDA ITR Printed Name: Joe Valdez

Approval Signature and Date:

Joe Valdez 4-22-13

TODD SHEPLER Todd Shepler 4/25/13

NCR SRS-0174-13-0

Attachment +3 05/06/13 LAS Page 1 of 9

SRLBC0942

001

NTPC RECORDS ORIGINAL
DATE REC'D 04-23-13

Attachment 3 – NDA Batch Data Report Narrative Summary

Batch #: SRLBC0942

Date: 4/18/2013

Quality Control Summary:

Background and Instrument Performance measurements for this Batch Data Report were performed on 4/17/2013 for the BSGS and 4/17/2013 and 4/18/2013 for the BNAS.

The Weekly Interfering Matrix measurements for this Batch Data Report was run on 4/15/2013.

All measurement results are acceptable and are included in this Batch Data Report.

Nonconformance:

NCR-SRS-0236-13
NCR-SRS-0237-13
NCR-SRS-0174-13 TBS 4/25/13

ITR Comments:

The assays in this Batch Data Report were performed using reduced count time

All Technical issues were reviewed and resolved by the Expert Analyst.

The overall quality of data in this Batch Data Report is acceptable.

PAGE 1 OF THE ASSAY REPORT FOR CONTAINER SR523235A, HAS BEEN ADDED TO THIS BDR, PER NCR-SRS-0174-13. TBS 4/25/13

ANOTHER QUALIFIED ITR HAS REVIEWED THIS CHANGE. TBS 4/25/13

ITR: Joe Valdez Joe Valdez Date: 4-22-13
TODD SHEPLEY Todd Shepley 4/25/13

NCR SRS-0174-13-0

Attachment +3 Page 2 of 9
05/06/13 LRS

SRLBC0942

003

Attachment 4 – NDA Independent Technical Reviewer Checklist (continued)

NDA Independent Technical Reviewer Checklist	
QC measurement results are within established control limits per standard operating procedures (Reference Table A-3, Range of Applicability, CCP-PO-002, *CCP Transuranic Waste Certification Plan*).	☑ Yes ☐ No
Were QC criteria that were not met documented with an NCR?	☐ Yes ☐ No ☑ N/A
Weekly Interfering Matrix Measurements were properly performed and completed on 4/15/2013 (Date).	☑ Yes ☐ No
The activities and masses (including Total Measurement Uncertainties [TMU] expressed in one sigma) are reported for the 10 WIPP-tracked radionuclides (i.e., Am-241, Cs-137, Sr-90, Pu-238, Pu-239, Pu-240, Pu- 242, U-233, U-234, U-238). Note: Less than Lower Limit of Detection (LLD) or zero values shall be reported in accordance with CCP-PO-002, Sections 3.3.1 and A.3.	☑ Yes ☐ No
Are there any additional radionuclides that contribute to 95 percent of the radioactive hazard in any container?	☐ Yes ☑ No
If YES, are they reported?	☐ Yes ☐ No ☑ N/A
Was U-235 detected greater than LLD in any waste container?	☐ Yes ☑ No
If YES, is it reported?	☐ Yes ☐ No ☑ N/A
NDA Independent Technical Reviewer Approval	
NDA Independent Technical Reviewer Printed Name: Joe Valdez	
Approval Signature and Date: Joe Valdez 4-22-13	

TODD SHEPLEY Todd Shepley 4/25/13

NCR SRS-0174-13-0

Attachment X3 Page 3 of 9
05/06/13 KMS

NDA 2000 Assay Report

Item Information

Item ID:	SR523235A		Count Sequence Number:	14287	
Operator:	TSD-AF0879DDF40\Operator				
Assay Start:	4/17/2013 1:51:35 PM				
Description 1:	SRLBC0942				
Description 2:	N/A				
Location:	SRS, E Area				
Comment:	N/A				
Matrix Type:	Debris				
Container Type:	SWB				
Weight:	Gross:	306.0 kg	Net:	306.0 kg	
Container:	Volume:	1890.0 l	Full:	100.0 %	
Density:		0.160 kg /l			

System Configuration

Counter:	WSRS Box Counter			
Segments:	Number:	6	Offset:	0
Scanning Platform:	Start:	1 mm	Delta:	1 mm
Count Type:	Item Count			
Collimator/Geometry Setting:	All Banks On (GE - 0			

Errors quoted at 1.000 sigma

NCR SRS-0174-13-0

Attachment ~~1~~ 3 Page 4 of 9

05/06/13 LM

REJECTED

SRLBC0942

026A

Attachment 1 – CCP Nonconformance Report (NCR)

COPY

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-0174-13 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
n/a	NDA	SRLBC0942
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
n/a	n/a	SR523235A
	6. Supplier (if applicable):	
	n/a	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-189, Rev 3, § 4.6.6 - §4.6.9, Perform assay using NDA 2000....when the analysis is complete, select the View Last Assay Report button on the NDA 2000 screen, and review the results for completeness. CCP-TP-189, Rev 3, § 5.1.1 [A] - [E], QA/Lifetime records.

7c. Actual Condition:

NDA BDR did not include the NDA2000 report for container SR523235A.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☐ NO (If no is checked, explain:)

8. NCR Originator: David W. Moody 24 DM 4/24/13 — 23 April 2013
printed name signature date

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE; enter Trend Code L in Block 10.

10. Trend Code: A	11. Responsible Manager: Beverly Schrock
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)	**13. Recurring Condition?** ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation: Laura R Jones Laura Ramos Jones 04/24/2013
printed name signature date

NCR SRS-0174-13-0

Attachment 13 Page 5 of 9

03/06/13 LAM

SRLBC0942

009A

Attachment 1 – CCP Nonconformance Report (NCR) (Continued) COPY

NCR No. NCR- SRS-0174-13			Revision: 0		
INTERIM DISPOSITION					
15a. Interim Disposition (Check Only One): ☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use ☐ Sort ☐ Reinspect or Retest ☐ Remediate					
15b. Instructions for Completion of the Interim Disposition:					
INTERIM DISPOSITION APPROVALS					
16a. Responsible Manager or Individual:			16b. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date
COMPLETION OF INTERIM DISPOSITION					
17. Interim Disposition Complete – Responsible Manager or Individual:					
printed name	signature	date			
18. Interim Disposition Verified – CCP QA Engineer:					
printed name	signature	date			

NCR SRS-0174-13-0
Attachment 13 Page 6 of 9
05/06/13 LK

Attachment 1 – CCP Nonconformance Report (NCR) (Continued) COPY

NCR No. NCR- SRS-0174-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☐ Reject ☑ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1. NDA personnel will please add missing page (NDA2000 report) for container SR523235A in BDR SRLBC0942.
2. NDA personnel to add a copy of this NCR to BDR and perform re-review.
3. NDA personnel to submit revised BDR to Records for SPM review and approval.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

~~Operators and ITR will verify all records are included in BDR per applicable procedures.~~

NA 04/24/13 LMS

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
BSSchrock	BSSchrock	4/24/13	Laura L Jones	Laura Lamar Jones	04/24/13
printed name	signature	date	printed name	signature	date
Additional Approvals:		4/24/13	Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

NCR SRS-0174-13-0

Attachment 3 Page 7 of 9

05/06/13 LMS

SRLBC0942

009C

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary

BDR Number: SRLBC0942 **Examination Date:** 17 - 18 April 2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Are the background measurements performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
2. Is the efficiency/energy calibration and resolution check performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
3. Were the performance checks and backgrounds done prior to the analysis of the samples? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
4. Are the required QC checks specified on the ITR checklist within acceptable limits? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
5. Is the matrix drum performed at least once per operational week? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**	X			
6. List all containers that have met all QC criteria thresholds. **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				**Container(s):** WMAPSWB614, WMAPSWB616, WMAPSWB615, WMAPSWB617, WMPSLB019A
7. Is there evidence of participation in the PDP program or any relevant approved comparison program? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**	X			
8. Are the personnel training records acceptable? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**	X			
9. Is a standard cover sheet included in the BDR? **Reference Source: CCP Technical Procedures**	X			
10. Is there reference to or copy of associated NCRs included in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-QP-005**	X			NCR-SRS-0236-13 rejects SR523235A NCR-SRS-0237-13 rejects FCAN06036A NCR-SRS-0174-13 rework disposition for ~~SR523235A~~ BSS 5/3/13

NTPC RECORDS ORIGINAL
DATE REC'D 4.24.13

NCR SRS-0174-13-0
Attachment T3 Page 8 of 9
05/06/13 LAS

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBC0942 **Examination Date:** 17 - 18 April 2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
32. Is the date of radioassay included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
33. Is the operator and reviewer signature release and date included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
34. Is the total Pu239 equivalent activity (Ci) reported for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**	X			
35. Are the NDA net weights within 5% of the NDE net weight or the VE net weight, whichever is applicable, for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
Comments: **None**				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody		25 April 2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

BSSchrock	BSSchrock	reviewed correction inserted for SR52 3235A	5/3/13
SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

NCR SRS-0174-13-0

Attachment 3 Page 9 of 9

05/06/13 LMS

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Tuesday, May 07, 2013 11:45 AM
To: Jones, Laura - NWP
Subject: Re: Hold tag to be pulled NCR-SRS-0174-13

Tag removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Cantu, Adela - NWP" <Adela.Cantu@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>, "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
Date: 05/06/2013 03:33 PM
Subject: Hold tag to be pulled NCR-SRS-0174-13

Steve / Pat – Container below has been resolved at the project office please remove hold tags and notify to proceed with closures of this NCR.

BDR ID	Container ID	Release Code	Reason	NCR
SRLBC0942	SR523235A	Resolved	The NDA 2000 report for Container SR523235A has been included in the BDR.	NCR-SRS-0174-13

Thanks,

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR -SRS-0174-13 Rev. 0
Attachment 4 Page 1 of 1

Non-conformance Reports (NCRs):

NCR-SRS-0174-13 Rev. 0,

This is an example of and NCR identified at the Project Level.

Closed 05/07/2013

GEN17

Non-conformance Reports (NCRs):

CH Non-conformance Report Logs for Project Level and Data Generation Level dated 01/04/2013 and 01/08/2013 respectively;

RH Non-conformance Report Logs for Project Level and Data Generation Level both dated 01/04/2013

INTEROFFICE MEMORANDUM

TO: CCP RECORDS Laura Ramos Jones

FROM: L. R. JONES, QUALITY ASSURANCE ENGINEER, NONCONFORMANCE (NCR) COORDINATOR

SUBJECT: CONTACT HANDLED SAVANNAH RIVER SITE (SRS) PROJECT LEVEL NCR LOG RECONCILIATION REPORT FOR 2012.

DATE: 01/04/2013

CC: VAL CANNON

As required by CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* Revision 22, Section 4.12, the NCR Log in the NCRM for project level (PL) NCRs written for the contact handled Savannah River Site (SRS) for calendar year 2012 has been reconciled. A review of all relevant PL NCRs has resulted in complete resolution.

The results of the review indicate that project level NCR numbers NCR-SRS-2000-12 through NCR-SRS-2023-12 were issued and not used.

See: Attachment 1 CH Project Level SRS NCR Log 2012.

COPY

CCP RECORDS ORIGINAL
DATE REC'D 01.14.13

2012 SRS PL NCR Reconciliation
Attachment 1

NCR ID	NCR Originator
NCR-SRS0102120	Charles Turner
NCR-SRS0103120	Carolina Soaterna
NCR-SRS0104120	Adela Cantu
NCR-SRS0105120	Carolina Soaterna
NCR-SRS0106120	David Moody
NCR-SRS0107120	David Moody
NCR-SRS0108120	Carolina Soaterna
NCR-SRS0109120	Carolina Soaterna
NCR-SRS0110120	Adela Cantu
NCR-SRS0111120	Carolina Soaterna
NCR-SRS0112120	Carolina Soaterna
NCR-SRS0113120	Brandye Pyeatt
NCR-SRS0114120	Barbara Broomfield
NCR-SRS0115120	Najib Sharif
NCR-SRS0116120	Carolina Soaterna
NCR-SRS0117120	Carolina Soaterna
NCR-SRS0118120	Beverly Schrock
NCR-SRS0119120	Barbara Broomfield
NCR-SRS0120120	Adela Cantu
NCR-SRS0121120	Carolina Soaterna
NCR-SRS0122120	Mike Ramirez
NCR-SRS0540120	Najib Sharif
NCR-SRS0541120	Beverly Schrock
NCR-SRS0542120	Lorraine Hensley
NCR-SRS0543120	Jim Vernon
NCR-SRS0544120	Jim Vernon
NCR-SRS0545120	Carolina Soaterna
NCR-SRS0546120	Jim Vernon
NCR-SRS0547120	Jim Vernon
NCR-SRS0548120	Connie Hernandez

NCR-SRS0549120	Connie Hernandez
NCR-SRS0550120	Adela Cantu
NCR-SRS0551120	Carolina Soaterna
NCR-SRS0552120	Carolina Soaterna
NCR-SRS0553120	Jim Vernon
NCR-SRS0554120	Jim Vernon
NCR-SRS0555120	Jim Vernon
NCR-SRS0556120	Jim Vernon
NCR-SRS0557120	Laura Nelson
NCR-SRS0558120	Carolina Soaterna
NCR-SRS0559120	Brandye Pyeatt
NCR-SRS0801120	Carolina Soaterna
NCR-SRS0802120	Mike Ramirez
NCR-SRS0803120	Adela Cantu
NCR-SRS0804120	Beverly Schrock
NCR-SRS0805120	Adela Cantu
NCR-SRS0806120	Adela Cantu
NCR-SRS0807120	Charles Turner
NCR-SRS0808120	Rich Kantrowitz
NCR-SRS0809120	Mike Ramirez
NCR-SRS0810120	Adela Cantu
NCR-SRS0811120	David Moody
NCR-SRS0812120	Beverly Schrock
NCR-SRS0813120	Joshua Houghton
NCR-SRS0814120	Mike Ramirez
NCR-SRS0815120	Mike Ramirez
NCR-SRS0816120	Carolina Soaterna
NCR-SRS0817120	Connie Hernandez
NCR-SRS0818120	Mike Ramirez
NCR-SRS0819120	Carolina Soaterna

2012 SRS PL NCR Reconciliation
Attachment 1
Page 3 of 5

NCR-SRS0820120	Mike Ramirez
NCR-SRS0821120	Lorraine Hensley
NCR-SRS0822120	Beverly Schrock
NCR-SRS0823120	Adela Cantu
NCR-SRS1205120	Beverly Schrock
NCR-SRS1206120	Beverly Schrock
NCR-SRS1207120	David Moody
NCR-SRS1208120	Carolina Soaterna
NCR-SRS1209120	Laura Nelson
NCR-SRS1210120	Beverly Schrock
NCR-SRS1211120	Charles Turner
NCR-SRS1212120	Carolina Soaterna
NCR-SRS1213120	Lorraine Hensley
NCR-SRS1214120	Adela Cantu
NCR-SRS1215120	Beverly Schrock
NCR-SRS1216120	Connie Hernandez
NCR-SRS1217120	Lorraine Hensley
NCR-SRS1218120	Charles Turner
NCR-SRS1219120	Charles Turner
NCR-SRS1220120	Connie Hernandez
NCR-SRS1221120	Carolina Soaterna
NCR-SRS1222120	Carolina Soaterna
NCR-SRS1223120	Carolina Soaterna
NCR-SRS1224120	Carolina Soaterna
NCR-SRS1371120	Lorraine Hensley
NCR-SRS1809120	Carolina Soaterna
NCR-SRS1810120	Carolina Soaterna
NCR-SRS1811120	Carolina Soaterna
NCR-SRS1812120	Brandye Pyeatt
NCR-SRS1813120	Joshua Houghton
NCR-SRS1814120	Connie Hernandez

NCR-SRS1815120	Rich Kantrowitz
NCR-SRS1816120	Jim Vernon
NCR-SRS1817120	Carolina Soaterna
NCR-SRS1818120	Jim Vernon
NCR-SRS1819120	Beverly Schrock
NCR-SRS1820120	Carolina Soaterna
NCR-SRS1821120	Barbara Broomfield
NCR-SRS1822120	Barbara Broomfield
NCR-SRS1823120	Carolina Soaterna
NCR-SRS1824120	Creta Kirkes
NCR-SRS1825120	David Moody
NCR-SRS1826120	Connie Hernandez
NCR-SRS1827120	Joshua Houghton
NCR-SRS1828120	Mike Ramirez
NCR-SRS1829120	David Moody
NCR-SRS1983120	Carolina Soaterna
NCR-SRS1984120	Mike Ramirez
NCR-SRS1985120	Sue Bradley
NCR-SRS1986120	Joshua Houghton
NCR-SRS1987120	Mike Ramirez
NCR-SRS1988120	Barbara Broomfield
NCR-SRS1989120	Mike Ramirez
NCR-SRS1990120	Lorraine Hensley
NCR-SRS1991120	Carolina Soaterna
NCR-SRS1992120	Mike Ramirez
NCR-SRS1993120	Carolina Soaterna
NCR-SRS1994120	Joshua Houghton
NCR-SRS1995120	Joshua Houghton
NCR-SRS1996120	Joshua Houghton
NCR-SRS1997120	Rich Kantrowitz
NCR-SRS1998120	Beverly Schrock

2012 SRS PL NCR Reconciliation
Attachment 1
Page 5 of 5

NCR-SRS1999120	Mike Ramirez
NCR-SRS2000120	Not Used
NCR-SRS2001120	Not Used
NCR-SRS2002120	Not Used
NCR-SRS2003120	Not Used
NCR-SRS2004120	Not Used
NCR-SRS2005120	Not Used
NCR-SRS2006120	Not Used
NCR-SRS2007120	Not Used
NCR-SRS2008120	Not Used
NCR-SRS2009120	Not Used
NCR-SRS2010120	Not Used
NCR-SRS2011120	Not Used
NCR-SRS2012120	Not Used
NCR-SRS2013120	Not Used
NCR-SRS2014120	Not Used
NCR-SRS2015120	Not Used
NCR-SRS2016120	Not Used
NCR-SRS2017120	Not Used
NCR-SRS2018120	Not Used
NCR-SRS2019120	Not Used
NCR-SRS2020120	Not Used
NCR-SRS2021120	Not Used
NCR-SRS2022120	Not Used
NCR-SRS2023120	Not Used

DIVIDER PAGE

INTEROFFICE MEMORANDUM

TO: CCP RECORDS

FROM: L. R. JONES, QUALITY ASSURANCE ENGINEER, NONCONFORMANCE (NCR) COORDINATOR

SUBJECT: CONTACT HANDLED SAVANNAH RIVER SITE (SRS) DATA GENERATION LEVEL NCR LOG RECONCILIATION REPORT FOR 2012.

DATE: 01/08/2013

CC: VAL CANNON

As required by CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* Revision 22, Section 4.12, the NCR Log in the NCRM for data generation level (DGL) NCRs written for the contact handled Savannah River Site (SRS) for calendar year 2012 has been reconciled. A review of all relevant DGL NCRs has resulted in complete resolution.

Attached are the results of the DGL NCR review from the Quality Assurance Engineer (QAE) located at the site. Please note that this report applies to DGL NCRs only. Project Office NCRs are handled under a separate report.

See: Attachment 1 CH DGL SRS NCR Log 2012.

COPY

CCP RECORDS ORIGINAL
DATE REC'D 01.14.13

TO: Laura Jones, NCR Coordinator

FROM: Steve Muse, CCP Quality Engineer

SUBJECT: DATA GENERATION LEVEL NCR LOG RECONCILIATION REPORT FOR SRS CY 2012

DATE: 1/8/13

In accordance with CCP-QP-005, Revision 22, Section 4.12.1, the NCR Log maintained for data generation level (DGL) NCRs at the Savannah River Site for calendar year 2012 has been reconciled.

The following CH and RH NCR numbers were reserved in IDC and issued to DGL personnel at SRS by the Quality Engineer at SRS for calendar 2012:

NCR-SRS-0001-12 through NCR-SRS-0083-12
NCR-SRS-0179-12 through NCR-SRS-0278-12
NCR-SRS-0532-12 through NCR-SRS-0539-12
NCR-SRS-0573-12 through NCR-SRS-0612-12
NCR-SRS-0638-12
NCR-SRS-0645-12 through NCR-SRS-0696-12
NCR-SRS-0718-12 through NCR-SRS-0770-12
NCR-SRS-0845-12 through NCR-SRS-0892-12
NCR-SRS-0917-12 through NCR-SRS-0961-12
NCR-SRS-1060-12 through NCR-SRS-1129-12
NCR-SRS-1247-12 through NCR-SRS-1318-12
NCR-SRS-1412-12 through NCR-SRS-1464-12
NCR-SRS-1607-12
NCR-SRS-1684-12 through NCR-SRS-1754-12
NCR-SRS-1881-12 through NCR-SRS-1882-12
NCR-SRS-1917-12 through NCR-SRS-1968-12
NCR-SRS-2074-12 through NCR-SRS-2124-12

NCR-RHSRS-0639-12 through NCR-RHSRS-0644-12
NCR-RHSRS-0914-12
NCR-RHSRS-1130-12 through NCR-RHSRS-1134-12
NCR-RHSRS-1972-12 through NCR-RHSRS-1974-12
NCR-RHSRS-1981-12 through NCR-RHSRS-1982-12

A review of all relevant NCRs has resulted in complete resolution. The results of the review indicate that the following NCR numbers were reserved and issued but not used.

NCR-SRS-1734-12
NCR-SRS-1917-12 through NCR-SRS-1941-12

NCR-SRS-1966-12
NCR-SRS-2086-12 through NCR-SRS-2124-12
NCR-RHSRS-1130-12 through NCR-RHSRS-1134-12
NCR-RHSRS-1973-12
NCR-RHSRS-1982-12

DIVIDER

PAGE

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INTEROFFICE MEMORANDUM

TO: CCP RECORDS Laura Ramsey Jones

FROM: L. R. JONES, QUALITY ASSURANCE ENGINEER, NONCONFORMANCE (NCR) COORDINATOR

SUBJECT: REMOTE HANDLED SAVANNAH RIVER SITE (RHSRS) PROJECT LEVEL NCR LOG RECONCILIATION REPORT FOR 2012.

DATE: 01/04/2013

CC: VAL CANNON

As required by CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* Revision 22, Section 4.12, the NCR Log in the NCRM for project level (PL) NCRs written for the remote handled for Savannah River Site (RHSRS) for calendar year 2012 has been reconciled. A review of all relevant PL NCRs has resulted in complete resolution.

The results of the review indicate that PL NCR numbers NCR-RHSRS-0568-12 through NCR-RHSRS-0571-12, and NCR-RHSRS-1975-12 through NCR-RHSRS-1980-12 were issued and not used.

See: Attachment 1 RHSRS PL NCR Log 2012.

CCP RECORDS ORIGINAL
DATE REC'D 1-15-13

2012 RHSRS PL Reconciliation
Attachment 1

NCR ID	NCR Originator
NCR-RHSRS0561120	Laura Nelson
NCR-RHSRS0562120	Laura Nelson
NCR-RHSRS0563120	Laura Nelson
NCR-RHSRS0564120	Laura Nelson
NCR-RHSRS0565120	Laura Nelson
NCR-RHSRS0566120	Laura Nelson
NCR-RHSRS0567120	Laura Nelson
NCR-RHSRS0568120	Not Used
NCR-RHSRS0569120	Not Used
NCR-RHSRS0570120	Not Used
NCR-RHSRS0571120	Not Used
NCR-RHSRS1975120	Not Used
NCR-RHSRS1976120	Not Used
NCR-RHSRS1977120	Not Used
NCR-RHSRS1978120	Not Used
NCR-RHSRS1979120	Not Used
NCR-RHSRS1980120	Not Used

DIVIDER PAGE

COPY

INTEROFFICE MEMORANDUM

TO: CCP RECORDS Laura Ramos Jones

FROM: L. R. JONES, QUALITY ASSURANCE ENGINEER, NONCONFORMANCE (NCR) COORDINATOR

SUBJECT: REMOTE HANDLED SAVANNAH RIVER SITE (RHSRS) DATA GENERATION LEVEL NCR LOG RECONCILIATION REPORT FOR 2012.

DATE: 01/04/2013

CC: VAL CANNON

As required by CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* Revision 22, Section 4.12, the NCR Log in the NCRM for data generation level (DGL) NCRs written for the remote handled Savannah River Site (RHSRS) for calendar year 2012 has been reconciled. A review of all relevant DGL NCRs has resulted in complete resolution.

The results of the review indicate that DGL NCR numbers NCR-RHSRS-1130-12 through NCR-RHSRS-1134-12, NCR-RHSRS-1973-12, and NCR-RHSRS-1982-12 were issued and not used.

See: Attachment 1 RHSRS DGL NCR Log 2012.

CCP RECORDS ORIGINAL
DATE REC'D 1-15-13

2012 RHSRS DGL Reconciliation
Attachment 1

NCR ID	NCR Originator
NCR-RHSRS0639120	Steve Redmond
NCR-RHSRS0640120	Steve Redmond
NCR-RHSRS0641120	Steve Redmond
NCR-RHSRS0642120	Steve Redmond
NCR-RHSRS0643120	Byron Gelderrman
NCR-RHSRS0644120	Steve Redmond
NCR-RHSRS0914120	Steve Redmond
NCR-RHSRS1130120	Not Used
NCR-RHSRS1131120	Not Used
NCR-RHSRS1132120	Not Used
NCR-RHSRS1133120	Not Used
NCR-RHSRS1134120	Not Used
NCR-RHSRS1972120	Tim Carlton
NCR-RHSRS1973120	Not Used
NCR-RHSRS1974120	Tim Carlton
NCR-RHSRS1981120	Tim Carlton
NCR-RHSRS1982120	Not Used

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

HBL110034

(a 55 gal debris container)

CIS

Audit purposes only

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream # SR-W027-221H-HET-C Lot # 22

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Transportation Headspace Gas BDR	Headspace Gas BDR		
								Sample	Analysis	
HBL090015	SRLBC0403	SR4RTR0183	N/A	N/A	N/A	N/A	SR11FG3085	N/A	N/A	N/A
HBL090019	SRLBC0594	SR4RTR0183	N/A	N/A	N/A	N/A	SR11FG3085	N/A	N/A	N/A
[redacted]	SRLBC0814	SRSRTR0591	N/A	N/A	N/A	N/A	SR12FG11058	SRHSG1223	ECL12041M	N/A
HBL110038	SRLBC0812	SRSRTR0590	N/A	N/A	N/A	N/A	SR12FG11058	SRHSG1223	ECL12041M	N/A

Signature of Site Project Manager

Roger Whiteaker
Printed Name

12/10/2012
Date

Supporting Documentation

Audit Purposes Only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP	Units	data					comments					initial	date
2	Shipper Site ID		C1	Location ID	Dest Program ID	Shipping Purpose		HBL110034					LU/LD	12/11/12
3	Waste Stream Profile		SR-W027-221H-HET-C	SR	WI	D							LU/LD	12/11/12
4	Container Number		HBL110034										LU/LD	12/11/12
5	Container Type		drum	drum, swb, tdop, etc., see WWIS labels for valid types.					U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	LU/LD	12/11/12
6	WAC Rev #		7.2						NULL	NULL	NULL	NULL	LU/LD	12/11/12
7								Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst		
8	Cert Site		C1					Y	Y	Y	N	N	LU/LD	12/11/12
9	Cert Date		12/11/12											
10	Waste Handling Code		CH	CH, RH									LU/LD	12/11/12
11	Waste Type Code		MTRU	TRU, MTRU									LU/LD	12/11/12
12	Waste Stream BIR ID		SRW027221HHET										LU/LD	12/11/12
13	Waste Stream MWIR ID		NONE										LU/LD	12/11/12
14	Generator Site ID		SR										LU/LD	12/11/12
15	IDC Code		001										LU/LD	12/11/12
16	Matrix Code		S5400										LU/LD	12/11/12
17	Trucon Code		SB2250										LU/LD	12/11/12
18	Shipping Category		30034001 01											
19	Tru Alpha Act	Ci	4.13E-03		4.130E-03								LU/LD	12/11/12
20	Tru Alpha Act Uncert	1sigma Ci	1.73E-03	7.590E-03	Tru Alpha Act + 2sigma (Ci)								LU/LD	12/11/12
21	Tru Alpha Act Conc	nCi/g	3.79E+02		3.79E+02								LU/LD	12/11/12
22			1.59E+02	6.970E+02	Tru Alpha Act Conc + 2sigma (Ci)			Drum Weight	27.7				LU/LD	12/11/12
23	Pu239 Fiss Gm Eq	g	6.57E-02		6.566E-02			Liner Weight	6.4				LU/LD	12/11/12
24	Pu239 Fiss Gm Eq Uncert	1sigma g	2.75E-02	1.207E-01	Pu239 Fiss Gm Eq + 2sigma (Ci)								LU/LD	12/11/12
25	Pu239 Eq Act	Ci	4.13E-03		4.130E-03								LU/LD	12/11/12
26	Decay Heat	watts	1.28E-04		1.281E-04								LU/LD	12/11/12
27	Decay Heat Uncert	1sigma watts	5.36E-05	1.82E-04	Decay Heat + 1sigma (watts)								LU/LD	12/11/12
28	Layers of Packaging		1										LU/LD	12/11/12
29	Fill Factor		80	percentage	Liner Lid Present	N							LU/LD	12/11/12
30	Liner Type		1	1 = plastic drum liner									LU/LD	12/11/12
31	Liner Punctured		Y		Liner Hole Size	478							LU/LD	12/11/12
32	PCB Conc		NULL		(mm)		PCB Waste	PCB Mass (kg)	Out of Service				LU/LD	12/11/12
33	Closure Date		6/9/2011	Watt-years	Waste Gen Date		N	NULL	NULL				LU/LD	12/11/12
34	Vent Date		6/9/2011	0.000	NULL								LU/LD	12/11/12
35	Filter Install Date		6/9/2011										LU/LD	12/11/12
36	Filter Manufacturer		NFT					Filter Reduction Date	NULL				LU/LD	12/11/12
37								Reduced Filter Model	NULL				LU/LD	12/11/12
38	Filter Model Number		NF019D										LU/LD	12/11/12
39	Number of Filters Installed		1										LU/LD	12/11/12
40	Aspiration Method ID		3										LU/LD	12/11/12
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.								LU/LD	12/11/12
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date													
44	Gross Weight	kg	45			Waste (kg)	Packaging (kg)	Total (kg)						
45	Gross Weight Uncert	1sigma kg	2.3			10.9	34.1	45.0					LU/LD	12/11/12
46	Alpha Surf Cont	dpm/100 cm^2	19										LU/LD	12/11/12
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199										LU/LD	12/11/12
48	Neutron Dose Rate	mrem/hr	0										LU/LD	12/11/12
49	Beta/Gamma Dose Rate	mrem/hr	1										LU/LD	12/11/12
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	LU/LD	12/11/12
51	Activity	Ci	1.20E-07	1.20E-07	-1.00E+00	-1.00E+00	0.00E+00	0.00E+00	-1.00E+00	-1.00E+00	4.13E-03	-1.00E+00	LU/LD	12/11/12
52	Activity Uncert	1sigma Ci	2.16E-08	2.16E-08	-1.00E+00	-1.00E+00	0.00E+00	0.00E+00	-1.00E+00	-1.00E+00	1.73E-03	-1.00E+00	LU/LD	12/11/12
53	Mass	grams	8.70E-10	1.36E-09	-1.00E+00	-1.00E+00	0.00E+00	0.00E+00	-1.00E+00	-1.00E+00	6.57E-02	-1.00E+00		
54	Mass Uncert	1sigma grams	1.60E-10	2.50E-10	-1.00E+00	-1.00E+00	0.00E+00	0.00E+00	-1.00E+00	-1.00E+00	2.81E-02	-1.00E+00		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-03	0.00E+00		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+02	0.00E+00		
57	calc Act	Ci	1.20E-07	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-03	0.00E+00		
58	calc Act Conc	nCi/g	1.10E-02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+02	0.00E+00		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-02	0.00E+00		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-03	0.00E+00		
61	calc Decay Heat	watts	1.39E-10	1.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.59E+06	0.00E+00	1.62E+02	-2.11E+04		
64	uncert Act	Ci	2.20E-08	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00		
65	uncert Act Conc	nCi/g	2.02E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+02	0.00E+00		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-02	0.00E+00		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00		
68	uncert Decay Heat	watts	2.56E-11	2.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00		
69	Shipping Calcs	7.63E-01	4.44E-08	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-01	0.00E+00		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%		
71	Radionuclide		AM-241	PU-241	PU-242	U-232	K-40	CO-60					LU/LD	12/11/12
72	Activity	Ci	-1.00E+00	0.00E+00	-1.00E+00	9.58E-08	3.91E-06	1.03E-06					LU/LD	12/11/12
73	Activity Uncert	1sigma Ci	-1.00E+00	0.00E+00	-1.00E+00	1.93E-08	3.25E-07	5.74E-08					LU/LD	12/11/12
74	Mass	grams	-1.00E+00	0.00E+00	-1.00E+00	4.44E-09	5.56E-01	9.04E-10	NULL	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	-1.00E+00	0.00E+00	-1.00E+00	9.12E-10	4.71E-02	5.14E-11	NULL	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
78	calc Act	Ci	0.00E+00	0.00E+00	0.00E+00	9.58E-08	3.91E-06	1.03E-06	NULL	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	8.79E-03	3.59E-01	9.45E-02	NULL	NULL	NULL	NULL		
80	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
82	calc Decay Heat	watts	0.00E+00	0.00E+00	0.00E+00	3.07E-09	1.56E-08	1.59E-08	NULL	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
85	uncert Act	Ci	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.32E-07	5.86E-08	NULL	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.04E-02	5.37E-03	NULL	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL	NULL		
89	uncert Decay Heat	watts	0.00E+00	0.00E+00	0.00E+00	6.32E-10	1.33E-09	9.04E-10	NULL	NULL	NULL	NULL		
90	Shipping Calcs		0.00E+00	0.00E+00	0.00E+00	1.18E-05	1.63E-07	9.54E-08	NULL	NULL	NULL	NULL		
91	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NULL	NULL	NULL	NULL		
92	Waste Material Parameter		R	PW									LU/LD	12/11/12
93	Wgt of Mat Parms	kg	0.6	10.3									LU/LD	12/11/12
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									LU/LD	12/11/12
95	Data Package Number		SRLBC0814										LU/LD	12/11/12
96	Assay Date		9/24/2012										LU/LD	12/11/12
97	Charz Method ID		1RR3	RTRM, VISUAL									LU/LD	12/11/12
98	Data Package Number		SRSRTR0591										LU/LD	12/11/12
99	Charz Method Date		5/29/2012										LU/LD	12/11/12
100	Haz Codes		D006	D007	D008	D009	D011						LU/LD	12/11/12
101	Haz Codes												LU/LD	12/11/12
102	Haz Codes													
103	Haz Codes													
104	Sample ID	Headspace Gas H/M	H-HBL110034										LU/LD	12/11/12
105	Sample Type		HGHM-T	HGHM									LU/LD	12/11/12
106	Layer No. Sampled		0		238.39								LU/LD	12/11/12
107	Date Sampled		6/18/2012			Sample Site							LU/LD	12/11/12
108	Method ID		1HG2	DTP-1.2-041		C1							LU/LD	12/11/12
109	Data Package Number		SR12FG11058										LU/LD	12/11/12
110	CAS #		1333-74-0	74-82-8										
111	Analyte		HYDROGEN	METHANE									LU/LD	12/11/12
112	Concentration				87.36	151.03							LU/LD	12/11/12
113	units	%vol			PPMV	PPMV							LU/LD	12/11/12
114	Date Analyzed		06/18/12	6/18/2012		2.5%= 2.18							LU/LD	12/11/12
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag													
119	U Detectable Flag		U	U									LU/LD	12/11/12
120	NA Detectable Flag													
121	Methanol Sample ID		12HE11											
122	Sample ID	Headspace Gas VOC	HBL110034										LU/LD	12/11/12
123	Sample Type		HGVO	HGVO									LU/LD	12/11/12
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv)		31.615					LU/LD	12/11/12
125	Date Sampled		10/15/2012										LU/LD	12/11/12
126	Method ID		12HE11	DTP-1.2-041									LU/LD	12/11/12
127	Data Package Number		SRHSG1223										LU/LD	12/11/12

2.18 JH 12/11/12

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Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
128														
129	CAS #		67-64-1	71-43-2	75-25-2	71-36-3	75-15-0	56-23-5	108-90-7	67-66-3			LU/LD	12/11/12
130	Analyte		Acetone	Benzene	Bromoform	Butanol	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform				
131	Concentration		2.70	0.22	0.67	0.61	0.27	0.11	0.15	0.16			LU/LD	12/11/12
132	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LU/LD	12/11/12
133	Date Analyzed		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012			LU/LD	12/11/12
134	B Detectable Flag													
135	D Detectable Flag													
136	E Detectable Flag													
137	J Detectable Flag		J			J							LU/LD	12/11/12
138	U Detectable Flag			U	U		U	U	U	U			LU/LD	12/11/12
139	NA Detectable Flag													
140	SARP-Flammable Calc		2.7	0.11	0	0.61	0.135	0	0.075	0				
141	CAS #		74-87-3	110-82-7	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	78-87-5			LU/LD	12/11/12
142	Analyte		Methyl chloride	Cyclohexane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	1,2-Dichloropropane				
143	Concentration		0.40	0.22	0.19	0.18	0.20	0.19	0.19	0.17			LU/LD	12/11/12
144	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LU/LD	12/11/12
145	Date Analyzed		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012			LU/LD	12/11/12
146	B Detectable Flag													
147	D Detectable Flag													
148	E Detectable Flag													
149	J Detectable Flag													
150	U Detectable Flag		U	U	U	U	U	U	U	U			LU/LD	12/11/12
151	NA Detectable Flag													
152	SARP-Flammable Calc		0.2	0.11	0.095	0.09	0.1	0.095	0.095	0.085				
153	CAS #		100-41-4	60-29-7	78-93-3	108-10-1	75-09-2	79-34-5	127-18-4	108-88-3			LU/LD	12/11/12
154	Analyte		Ethyl benzene	Ethyl ether	Methyl ethyl ketone	Methyl isobutyl ketone	Methylene chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethylene	Toluene				
155	Concentration		0.79	0.26	1.90	0.16	0.24	0.11	0.11	20.00			LU/LD	12/11/12
156	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LU/LD	12/11/12
157	Date Analyzed		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012			LU/LD	12/11/12
158	B Detectable Flag													
159	D Detectable Flag													
160	E Detectable Flag													
161	J Detectable Flag		J		J								LU/LD	12/11/12
162	U Detectable Flag			U		U	U	U	U				LU/LD	12/11/12
163	NA Detectable Flag									NA				
164	SARP-Flammable Calc		0.79	0.13	1.9	0.08	0	0	0	20				
165	CAS #		71-55-6	79-01-6	75-69-4	76-13-1	108-67-8	95-63-6	108383/106423	95-47-6			LU/LD	12/11/12
166	Analyte		1,1,1-Trichloroethane	Trichloroethylene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	m-Xylene/p-Xylene	o-Xylene				
167	Concentration		0.15	0.15	0.15	0.11	0.13	0.14	2.60	0.62			LU/LD	12/11/12
168	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LU/LD	12/11/12
169	Date Analyzed		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012			LU/LD	12/11/12
170	B Detectable Flag													
171	D Detectable Flag													
172	E Detectable Flag													
173	J Detectable Flag								J	J			LU/LD	12/11/12
174	U Detectable Flag		U	U	U	U	U	U					LU/LD	12/11/12
175	NA Detectable Flag													
176	SARP-Flammable Calc		0	0	0	0	0.065	0.07	2.6	0.62				
177	CAS #		67-56-1										LU/LD	12/11/12
178	Analyte		Methanol	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
179	Concentration		0.86										LU/LD	12/11/12
180	units	ppmv	ppmv										LU/LD	12/11/12
181	Date Analyzed		10/25/2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL			LU/LD	12/11/12
182	B Detectable Flag													
183	D Detectable Flag													
184	E Detectable Flag										WDS Master Template.xls Rev. 7			
185	J Detectable Flag		J								Addendum #7, SCO #1065		LU/LD	12/11/12
186	U Detectable Flag										Excel 2003/2007 Microsoft		LU/LD	12/11/12
187	NA Detectable Flag			NA	NA	NA	NA	NA	NA	NA	Windows XP			
188	SARP-Flammable Calc		0.86	NULL	NULL	NULL	NULL	NULL	NULL	NULL				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
189			type	comment										
190	Comment													
191	Comment													
192	Comment													
193	Comment													
194	Comment													
195	Comment													
196	Comment													
197	Comment													
198	Comment													
199	Comment													
200														
201			Requirements Met?											
202	Free liquids <1% by volume		YES											
203	No non-rad. pyrophorics		YES											
204	Chemical compatability		YES											
205	No explosives		YES											
206	No corrosives		YES											
207	No pressurized containers		YES											
208	No sealed Containers >4 liters		YES											
209	Liner punctured/ filtered		YES											
210	Flammable VOCs <500ppmv		Yes											
211	Container is in Approved Waste Stream Profile Form?	R-W027-221H-HET-C	YES											
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.		NO											
213														
214														
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234														
235														

C. Hensley

CCP Certification Official

12/11/12

Date

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft Windows XP

Kirkes, Creta - NWP NCR Check Audit Purposes Only

From: Mueller, Terry - NWP
Sent: Tuesday, December 11, 2012 8:40 AM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP; Underwood, Luann - NWP
Cc: Walker, Mak (Maryann) - NWP; Jones, Laura - NWP; Klingler, Larry - NWP
Subject: FW: NCR/CAR Request SRS AK4 SR-W027-221H-HET-C Lot 22
Attachments: NCR_BDR_CONTAINER_CHECK_SRS AK4 SR-W027-221H-HET-C Lot 22.xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7042

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

From: Dominguez, Lena - NWP
Sent: Tuesday, December 11, 2012 8:19 AM
To: Mueller, Terry - NWP; Jones, Laura - NWP; Walker, Mak (Maryann) - NWP; Kantrowitz, Rich - NWP; Klingler, Larry - NWP
Subject: NCR/CAR Request SRS AK4 SR-W027-221H-HET-C Lot 22

Please do an NCR/CAR check for SRS AK4 SR-W027-221H-HET-C Lot 22.

Thanks,

Lena Dominguez
Central Characterization Project
Nuclear Waste Partnership LLC
Contractor for the U. S. Department of Energy
575-234-7537

NDA 2000 Assay Report

********** Item Information **********

Item ID:	HBL110034		Count Sequence Number:	12925	
Operator:	TSD-AF0879DDF40\Operator				
Assay Start:	9/24/2012 5:12:37 PM				
Description 1:	SRLBC0814				
Description 2:	N/A				
Location:	SRS, E Area				
Comment:	N/A				
Matrix Type:	Debris				
Container Type:	55 US Gal. Drum				
Weight:	Gross:	10.9 kg	Net:	10.9 kg	
Container:	Volume:	208.0 l	Full:	80.0 %	
Density:		0.070 kg /l			

********** System Configuration **********

Counter:	WSRS Box Counter
Count Type:	Item Count
Collimator/Geometry Setting:	All Banks On (GE - 0

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	12925	Batch Number:	SRLBC0814
Assay Instrument:	WSRS Box Counter	Location:	SRS, E Area
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	HBL110034	Analysis Date:	9/24/2012

Net Weight	10900.0 g	
Pu mass	6.57E-002 +-	2.75E-002 g
TRU Alpha Activity	4.13E-003 +-	1.73E-003 Ci
TRU Activity Concentration	3.79E+002 +-	1.59E+002 nCi/g
Pu-239 Equivalent Activity	4.13E-003 +-	1.73E-003 Ci
Pu-239 FGE	6.57E-002 +-	2.75E-002 g
Decay heat	1.28E-004 +-	5.36E-005 W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
K40	6.11E-001	3.91E-006	3.25E-007	1.08E-006
CO60	9.05E-010	1.03E-006	5.74E-008	1.02E-007
SR90	8.68E-010	1.20E-007	2.16E-008	0.00E+000
CS137	1.36E-009	1.20E-007	2.16E-008	8.24E-008
U232	4.43E-009	9.58E-008	1.93E-008	9.10E-008
U233	<LLD	<LLD	0.00E+000	6.23E-004
U234	<LLD	<LLD	0.00E+000	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	8.09E-008
NP237	0.00E+000	0.00E+000	0.00E+000	1.26E-007
PU238	<LLD	<LLD	0.00E+000	4.97E-003
U238	<LLD	<LLD	0.00E+000	9.33E-006
PU239	6.57E-002	4.13E-003	1.73E-003	7.37E-004
PU240	<LLD	<LLD	0.00E+000	7.62E-004
AM241	<LLD	<LLD	0.00E+000	1.25E-003
PU241	0.00E+000	0.00E+000	0.00E+000	2.57E-002
PU242	<LLD	<LLD	0.00E+000	0.00E+000

Errors quoted at 1.000 sigma

Operator: TIM CARLSON Tim Carlson Date: 9/26/12

ITR: Larry Valdez Larry Valdez Date: 9-26-12

Automated Independent Technical Review

Count Sequence Number: 12925 Batch Number: SRLBC0814
Counter ID: WSRS Box Counter
Container ID: HBL110034
Waste Matrix Code: N/A Count Type:
Sequence Type: Assay Date: 9/24/2012

Comments	Disposition
Section 1 - Add-A-Source Analysis No Add-a-Source warnings.	OK. No changes.
Section 2 - Passive Neutron Analysis Analysis Status: No errors. No Warnings Reported.	Negative value for Pu mass is unacceptable. NEUTRON ASSAY REJECTED.
Section 4 - MGA Analysis Results are marked as invalid.	No measured or declared isotopics available. Only directly measured radionuclides reported Use new results.
Section 5 - Gamma Analysis Analysis Status: No errors. Spectrum Validity Check engine has suggested data review.	OK. No changes. Refit 129 and 413 keV region in PROC00AI spectrum. Use new results.
Miscellaneous Cs-137 > LLD No additional radionuclides identified that contribute to 95% of the radiological hazard.	Use new Cs-137 results. OK. No changes.

Expert Review by: Bart B. Morales Date: 9/26/12
Bart B. Morales

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRSRTR0591
Examination Date:	5/29/12
Waste Container ID:	HBL110034
Video/Audio Recorded Media Number:	SRSRTR0591 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 45.0 kg. Tare Wt: 34.1 ~~36.1~~ JAH 6/5/12 kg. Net Wt: 10.9 ~~8.9~~ JAH 6/5/12 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL110034

Section 3: Container Inventory and Comments (Detailed descriptions)
Rubber gloves Plastic bags, air hose and fittings, plastic suits, plastic sheeting

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	~~3.4~~ 6.4 dak 6/5/12
Others:	dak 6/5/12
Total Packaging Weight:	~~36.1~~ 34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	0.6
Plastics (waste materials) (XPM):	10.3 ~~8.3~~ dak 6/5/12
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	10.9 ~~8.9~~ dak 6/5/12

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL110034

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

N/A
Comments:

RTR Operator:

John Brookshire	John Brookshire	5/29/12
Print Name	Signature	Date

Georgia N. Karels Georgia N. Karels 6/5/12

15

Attachment 4 – Flammable Gas Analysis Form

SCO 1049 Addendum 3 Windows XP SP3
Excel 2003/2007

Waste Container ID: **HBL110034**

BDR Number: **SR12FG11058**

Sampling Date: **6/18/2012**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	87.36	U
74-82-8	Methane	151.03	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.29	U
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	14.48	
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	1.62	
95-47-6	o-Xylene	0.39	
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

011

BDR Number: SR12FG11058

Waste Container ID		8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	SR14706108	NucFil-019DS	7.40E-06	6	10/7/2010	10/7/2010	56	620	Y
2	SR70301B	NucFil-019DS	1.85E-05	3	8/22/2011	8/22/2011	12	301	Y
3	SR46027ZA	NucFil-019DS	1.85E-05	3	5/15/2012	5/15/2012	12	34	Y
4	HBL110062	NucFil-019DS	1.85E-05	3	10/20/2011	10/20/2011	12	242	Y
5	HBL110034	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
6	HBL110036	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
7	HBL110038	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
8	HBL110097	NucFil-019DS	1.85E-05	3	10/20/2011	10/20/2011	12	242	Y
9	HBL110035	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
10	HBL110032	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
11	HBL110024	NucFil-019DS	1.85E-05	3	5/5/2011	5/5/2011	12	410	Y
12	HBL110033	NucFil-019DS	1.85E-05	3	6/9/2011	6/9/2011	44	375	Y
13	HBL110061	NucFil-019DS	1.85E-05	3	10/20/2011	10/20/2011	12	242	Y
14	SR61125850	NucFil-019DS	1.85E-05	3	5/10/2012	5/10/2012	12	39	Y
15	SR515985F	NucFil-019DS	1.85E-05	3	5/30/2012	5/30/2012	12	19	Y
16	SR61016417	NucFil-019DS	1.85E-05	3	5/21/2012	5/21/2012	12	28	Y
17	SWD051051	NucFil-019DS	1.85E-05	3	1/30/2006	1/30/2006	12	2331	Y
18	SR515984	NucFil-019DS	1.85E-05	3	5/10/2012	5/10/2012	12	39	Y
19	SR510581	NucFil-019DS	1.85E-05	3	5/21/2012	5/21/2012	12	28	Y
20	SR512025	NucFil-019DS	1.85E-05	3	5/21/2012	5/21/2012	12	28	Y

028

Operator: James Adams
Printed Name

Signature

6/28/12
Date

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	7	8	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 **Drum Number:** HBL110034

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 28 in Hg	T= 22.7	101512	1028	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 22.7	101512	1032	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1223

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	BCSWB06C	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016	2	3.7×10^{-6}	3
2	MD0520005A	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$> 7.4 \times 10^{-6}$	6
3	MDL032702A	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
4	SR595647	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-013	2	3.7×10^{-6}	3
5	SWD11222	3	S5000	N	N	NA	4	2	NucFil-019DS	2	3.7×10^{-6}	3
6	SWD031909B	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
7	HBL110034	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
8	HBL110038	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
9	MDL0518004	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
10	MDL0518006	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
11	SWD12060	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$> 7.4 \times 10^{-6}$	6
12	SR46024XA	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
13	SD00005553	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	3	$> 7.4 \times 10^{-6}$	6
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

025

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1223

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0713 & XC0703 Temperature Recorder Calibration Due Date: 5/8/13 & 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BCSWB06C	7/17/2012	7/17/2012	16	90	60	Y	10/12/12 0955	10/15/12 0955
2	MD0520005A	6/12/2012	6/12/2012	56	125	85	Y	10/12/12 0955	10/15/12 0955
3	MDL032702A	9/7/2007	9/7/2007	46	1865	55	Y	10/12/12 0955	10/15/12 0955
4	SR595647	8/16/1993	8/16/1993	175	7000	25	Y	10/12/12 0955	10/15/12 0955
5	SWD11222	7/11/2011	7/11/2011	16	462	60	Y	10/12/12 0955	10/15/12 0955
6	SWD031909B	4/16/2004	4/16/2004	16	3104	85	Y	10/12/12 0955	10/15/12 0955
7	HBL110034	6/9/2011	6/9/2011	46	494	80	Y	10/12/12 0955	10/15/12 0955
8	HBL110038	6/9/2011	6/9/2011	46	494	65	Y	10/12/12 0955	10/15/12 0955
9	MDL0518004	7/28/2012	7/28/2012	56	79	65	Y	10/12/12 0955	10/15/12 0955
10	MDL0518006	6/6/2005	6/6/2005	56	2688	70	Y	10/12/12 0955	10/15/12 0955
11	SWD12060	1/9/2012	1/9/2012	56	280	95	Y	10/12/12 0955	10/15/12 0955
12	SR46024XA	4/20/2012	4/20/2012	56	178	95	Y	10/12/12 0955	10/15/12 0955
13	SD00005553	8/8/2006	8/8/2006	56	2260	95	Y	10/12/12 0955	10/15/12 0955
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams — **Print Name**; **Signature**; 10/15/12 — **Date**

026

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	7	8	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 **Drum Number:** HBL110034

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 28 in Hg	T= 22.7	101512	1028	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 22.7	101512	1032	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C= 1 psig	T= 21	101812	1203	
	M=	P= 647T			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12292009		Field Sample ID:	SR101512EI783	
Analytical Batch:	ECL12041M		Sampling Batch:	SRHSG1223	
Data Report:	ECL12041M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	10/25/2012	1327	Date Sampled:	10/15/2012	
Lab File ID:	O25JC		Date Received:	10/18/12	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifiers
Acetone	2.7	J
Benzene	0.22	U
Bromoform	0.067	U
Butanol	0.61	J
Carbon disulfide	0.27	U
Carbon tetrachloride	0.11	U
Chlorobenzene	0.15	U
Chloroform	0.16	U
Chloromethane	0.40	U
Cyclohexane	0.22	U
1,1-Dichloroethane	0.19	U
1,2-Dichloroethane	0.18	U
1,1-Dichloroethylene	0.20	U
cis-1,2-Dichloroethylene	0.19	U
trans-1,2-Dichloroethylene	0.19	U
1,2-Dichloropropane	0.17	U
Ethyl benzene	0.79	J
Ethyl ether	0.26	U
Methyl ethyl ketone	1.9	J
Methyl isobutyl ketone	0.16	U
Methylene chloride	0.24	U
1,1,2,2-Tetrachloroethane	0.11	U
Tetrachloroethylene	0.11	U
Toluene	20	
1,1,1-Trichloroethane	0.15	U
Trichloroethylene	0.15	U
Trichlorofluoromethane	0.15	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
1,3,5-Trimethylbenzene	0.13	U
1,2,4-Trimethylbenzene	0.14	U
p/m-Xylene	2.6	J
o-Xylene	0.62	J
Methanol	0.86	J

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12292009		Field Sample ID:	SR101512EI783	
Analytical Batch:	ECL12041M		Sampling Batch:	SRHSG1223	
Data Report:	ECL12041M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	10/25/2012	1327	Date Sampled:	10/15/2012	
Lab File ID:	O25JC		Date Received:	10/18/12	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifiers	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

Date: 05/29/2012

DRUM and SWB' SURVEY LOGSHEET

CONTAINER NUMBER	Dose Rate EXTREMITY mrem/hr		Dose Rate WHOLE BODY mrem/hr		LARGE AREA WIPE		dpm/100cm^2	
	(γ + η)	(η)	(γ + η)	(η)	α	βγ	α	βγ
MDL310831G	ND	ND	ND	ND	ND	ND	<20	<200
HBL110034	1	ND	ND	ND	ND	ND	<20	<200
SR512025	125	5	43	3	ND	ND	<20	<200
SR510581	22	ND	12	ND	ND	ND	<20	<200
SR14706116	ND	ND	ND	ND	ND	ND	<20	<200
SR46027ZA	8	5	5	3	ND	ND	<20	<200
SR46050T	4	2	2	1	ND	ND	<20	<200
SR512010	ND	ND	ND	ND	ND	ND	<20	<200
SR512011C	85	15	30	10	ND	ND	<20	<200
SR61016388	ND	ND	ND	ND	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA

SWN-M-20120529-24

♣♠♠ ☺●●♦♦°½ㄱㄱㄴ

WDS
WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:59 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**9**

Selection Criteria

Container Number: **NBL110034**

Container: HBL110034
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Current Location Site: WI
Generator Site: SR
Destination Site ID: WI

Certification Program ID: C1
Shipping Program ID: C1

Neutron Dose Rate (mrem/hr): 0.0
Beta Gamma Dose Rate (mrem/hr): 1.0
Total Dose Rate (mrem/hr): 1.0

FGE (g): 6.57E-02
FGE Uncertainty (g): 2.75E-02

Gross Weight (kg): 45.00
Gross Weight Uncert (kg): 2.30

Decay Heat (W): 1.28E-04
Decay Heat Uncertainty (W): 5.36E-05

Shipment Data
Payload ID: **SR1950** Assembly ID: SR127923 Payload Complete? Y
Shipment Number: SR130014 Send Date: 04/16/2013 Receipt Date: 04/17/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location
Panel: 6 Room: 3
Row: 79 Column: 5 Height: M

Certification Data Values

Waste Stream Profile Code: SR-W027-221H-HET-C
Waste Type Code: MTRU
IDC Code: 001
Waste Matrix Code: S5400
WAC Revision Number: 7.2
Fill Factor (%): 80.00
Waste Stream BIR ID: SRW027221HHET
Waste Stream MWIR ID: NONE

TRU Alpha Activity (Ci): 4.13E-03
TRU Alpha Activity Uncertainty (Ci): 1.73E-03
TRU Alpha Activity Concentration (Ci/g): 3.79E-07
PU-239 Equivalent Activity (PE-Ci): 4.13E-03
Alpha Surface Contamination (dpm/cm^2): 19.0
Beta/Gamma Surface Contamination (dpm/cm^2): 199.0

Transportation Data Values

Closure Date: 06/09/2011
Vent Date: 06/09/2011
Process Knowledge? N

TRUCON Code: SR225C
Shipping Category: 3003400101
Aspiration Method: 3

Shipment Purpose: DISPOSAL
Machine Compacted? N
Liner Exists? Y
Liner Hole Size(mm):
Liner Lid Present? N
Layers of Packaging 1
Aqueous Material? N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: HBL110034
Type: 1 - 55 gal

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

PCB Waste?	N
PCB Mass (kg):	
PCB Concentration (ppm):	
PCB Out of Service Date:	
Be Present?	Y
Be <= 1% by weight?	Y
Be mass <= 100kg?	Y
Separation OK?	
Packing Fraction (compaction level):	non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF019D	1.85E-05	1	06/09/2011

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	<LLD	<LLD	<LLD	<LLD
CO-60	1.030E-06	5.740E-08	9.035E-10	5.138E-11
CS-137	1.200E-07	2.160E-08	1.364E-09	2.505E-10
K-40	3.910E-06	3.250E-07	5.558E-01	4.714E-02
NP-237	.000E00	.000E00	.000E00	.000E00
PU-238	<LLD	<LLD	<LLD	<LLD
PU-239	4.130E-03	1.730E-03	6.566E-02	2.807E-02
PU-240	<LLD	<LLD	<LLD	<LLD
PU-241	.000E00	.000E00	.000E00	.000E00
PU-242	<LLD	<LLD	<LLD	<LLD
SR-90	1.200E-07	2.160E-08	8.696E-10	1.597E-10
U-232	9.580E-08	1.930E-08	4.435E-09	9.118E-10

Container: HBL110034
Type: 1 - 55 gal

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
U-233	<LLD	<LLD	<LLD	<LLD
U-234	<LLD	<LLD	<LLD	<LLD
U-235	.000E00	.000E00	.000E00	.000E00
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-HBL110034	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	06/18/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	87.36	06/18/2012	1HG2	U
74-82-8	METHANE	2.18	06/18/2012	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL110034	HGVO	HEADSPACE GAS VOC	10/15/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.79	10/25/2012	12HE11	J
107-06-2	1,2-DICHLOROETHANE	0.18	10/25/2012	12HE11	U
108-10-1	METHYL ISOBUTYL KETONE	0.16	10/25/2012	12HE11	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.13	10/25/2012	12HE11	U

Container: HBL110034
Type: 1 - 55 gal

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL110034	HGVO	HEADSPACE GAS VOC	10/15/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
108-88-3	TOLUENE	20.0	10/25/2012	12HE11	NA
108-90-7	CHLOROBENZENE	0.15	10/25/2012	12HE11	U
108383/106423	M,P-XYLENE	2.6	10/25/2012	12HE11	J
110-82-7	CYCLOHEXANE	0.22	10/25/2012	12HE11	U
127-18-4	TETRACHLOROETHYLENE	0.11	10/25/2012	12HE11	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.19	10/25/2012	12HE11	U
156-60-5	TRANS-1,2-DICHLOROETHYLENE	0.19	10/25/2012	12HE11	U
56-23-5	CARBON TETRACHLORIDE	0.11	10/25/2012	12HE11	U
60-29-7	ETHYL ETHER	0.26	10/25/2012	12HE11	U
67-56-1	METHANOL	0.86	10/25/2012	12HE11	J
67-64-1	ACETONE	2.7	10/25/2012	12HE11	J
67-66-3	CHLOROFORM	0.16	10/25/2012	12HE11	U
71-36-3	BUTANOL	0.61	10/25/2012	12HE11	J
71-43-2	BENZENE	0.22	10/25/2012	12HE11	U
71-55-6	1,1,1-TRICHLOROETHANE	0.15	10/25/2012	12HE11	U
74-87-3	METHYL CHLORIDE	0.4	10/25/2012	12HE11	U
75-09-2	METHYLENE CHLORIDE	0.24	10/25/2012	12HE11	U
75-15-0	CARBON DISULFIDE	0.27	10/25/2012	12HE11	U

Container: HBL110034
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL110034	HGVO	HEADSPACE GAS VOC	10/15/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
75-25-2	BROMOFORM	0.67	10/25/2012	12HE11	U
75-34-3	1,1-DICHLOROETHANE	0.19	10/25/2012	12HE11	U
75-35-4	1,1-DICHLOROETHYLENE	0.2	10/25/2012	12HE11	U
75-69-4	TRICHLOROFLUOROMETHANE	0.15	10/25/2012	12HE11	U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.11	10/25/2012	12HE11	U
78-87-5	1,2 DICHLOROPROPANE	0.17	10/25/2012	12HE11	U
78-93-3	METHYL ETHYL KETONE	1.9	10/25/2012	12HE11	J
79-01-6	TRICHLOROETHYLENE	0.15	10/25/2012	12HE11	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.11	10/25/2012	12HE11	U
95-47-6	O-XYLENE	0.62	10/25/2012	12HE11	J
95-63-6	1,2,4-TRIMETHYLBENZENE	0.14	10/25/2012	12HE11	U

Material Parameters

Material Parameter	Description	Weight (kg)
7	RUBBER	0.60
8	PLASTICS	10.30
13	STEEL CONTAINER MATERIALS	27.70
14	PLASTIC/LINERS CONTAINER MATERIALS	6.40

Container: HBL110034
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Waste Weight:	10.90
Packaging Weight:	34.10
Total Material Weight:	45.00

Hazardous Codes

Hazardous Code	Description
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	09/24/2012

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1RR3	PAD 15 RTR: MARIETTA X-RAY	05/29/2012

Edit Limit Check Results
Evaluation Date: 12/12/2012 09:15:14 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		

Container: HBL110034
Type: 1 - 55 gal

Current Status:
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

Edit Limit Check Results
Evaluation Date: 12/12/2012 09:15:14 Overall Status: PASS

Evaluation Code	Status
DI_CERT_CERT	PASS
DI_CERT_CHARZ	PASS
DI_CERT_ED	PASS
DI_CERT_EPA	PASS
DI_CERT_PCB	PASS
DI_CERT_PERC	PASS
DI_CERT_TRAMPAC	PASS
DSA	PASS
WAC	PASS
WAP_CERT	PASS

TRAMPAC Evaluation Results
Evaluation Date: 12/12/2012 09:15:15 Overall Status: PASS

Evaluation Code	Status
CE_ACT	PASS
CE_ALL	PASS
CE_ASP	PASS
CE_DDH	PASS
CE_FGE	PASS
CE_FIL	PASS
CE_GVE	PASS
CE_RDR	PASS
CE_TRU	PASS
CE_WGT	PASS

Return Code	Detailed Description

Container: HBL110034
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/11/2012
Waste Handling Code: CH
Disposal Date: 04/26/2013

TRAMPAC Evaluation Results
Evaluation Date: 12/12/2012 09:15:15 Overall Status: PASS

Details

Matrix Depleted Shipping Category:		Compliance Method:	ANALYTICAL
Decay Heat Limit (w):	0.14048980780430984	FGE Limit (g):	200
FGGR (mol/s):	4.510758397167509E-11	FGGR Limit (mol/s):	4.950495049504951E-8
Volume Model:		Required Aspiration Time (days):	
Total Headspace VOCs (ppm):	33.15		
Packaging Configuration:	COMMON_PACKAGING 2	DAC Scenario:	3
Closure Time (days):	0	Minimum Closure Time Applied (days):	53
Sample-Vent Time (days):	494	Min Sample-Vent Time Applied (days):	29
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
12/12/2012 09:15:16	INSERT DATA INTO THE DATABASE	
12/12/2012 09:15:16	SUCCESSFUL SUBMISSION FOR CERT	
12/12/2012 09:16:35	APPROVED FOR CERT	
04/04/2013 07:23:26	ASSIGNED TO PAYLOAD	

DIVIDER

PAGE

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

HBL120523

(a debris pipe-overpack container)

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and Reporting Characterization Data

CIS

Audit purposes only

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-221H-PuOx

Lot # 12

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR			Transportation
							Sample	Analysis		
HBL120006	SRLBC0903	SR4RTR0309	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11008
HBL120255	SRLBC0911	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011
HBL120269	SRLBC0911	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011
HBL120281	SRLBC0902	SR4RTR0305	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11001
HBL120362	SRLBC0908	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011
HBL120409	SRLBC0911	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011
HBL120434	SRLBC0912	SR4RTR0299	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SR12FG11137
HBL120435	SRLBC0902	SR4RTR0299	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR12FG11133
HBL120483	SRLBC0902	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011
HBL120523	SRLBC0911	SR4RTR0312	N/A	N/A	N/A	N/A	SRHSG1302	ECL13002M	N/A	SR13FG11011

Roger Whiteaker

3/11/2013

Audit Purposes Only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP**	**Units**	**data**					**comments**					**initial**	**date**
2	Shipper Site ID		C1	Location ID	Dest Program ID	Shipping Purpose					**HBL120523**		LD/HP	03/12/13
3	Waste Stream Profile		SR-221H-PuOx	SR	WI	D							LD/HP	03/12/13
4	Container Number		HBL120523										LD/HP	03/12/13
5	Container Type		pc12	drum, swb, tdop, etc., see WWIS labels for valid types.					U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	LD/HP	03/12/13
6	WAC Rev #		7.3						NULL	NULL	NULL	NULL	LD/HP	03/12/13
7								Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst		
8	Cert Site		C1					Y	Y	Y	N	N	LD/HP	03/12/13
9	Cert Date		3/13/13										LD/HP	03/12/13
10	Waste Handling Code		CH	CH, RH									LD/HP	03/12/13
11	Waste Type Code		MTRU	TRU, MTRU									LD/HP	03/12/13
12	Waste Stream BIR ID		NONE										LD/HP	03/12/13
13	Waste Stream MWIR ID		NONE										LD/HP	03/12/13
14	Generator Site ID		SR										LD/HP	03/12/13
15	IDC Code		NONE										LD/HP	03/12/13
16	Matrix Code		S5100										LD/HP	03/12/13
17	Trucon Code		SR125L										LD/HP	03/12/13
18	Shipping Category		3003400086	> 0.012 Watt-years			**Likely FGGR error**							
19	Tru Alpha Act	Ci	6.09E+00				6.087E+00						LD/HP	03/12/13
20	Tru Alpha Act Uncert	1sigma Ci	8.66E-01	7.822E+00	Tru Alpha Act + 2sigma (Ci)								LD/HP	03/12/13
21	Tru Alpha Act Conc	nCi/g	2.90E+06				2.90E+06						LD/HP	03/12/13
22			4.12E+05	3.724E+06	Tru Alpha Act Conc + 2sigma (Ci)								LD/HP	03/12/13
23	Pu239 Fiss Gm Eq	g	7.17E+01				7.173E+01						LD/HP	03/12/13
24	Pu239 Fiss Gm Eq Uncert	1sigma g	1.34E+01	9.850E+01	Pu239 Fiss Gm Eq + 2sigma (Ci)								LD/HP	03/12/13
25	Pu239 Eq Act	Ci	6.16E+00				6.158E+00						LD/HP	03/12/13
26	Decay Heat	watts	1.90E-01				1.904E-01						LD/HP	03/12/13
27	Decay Heat Uncert	1sigma watts	2.69E-02	2.17E-01	Decay Heat + 1sigma (watts)								LD/HP	03/12/13
28	Layers of Packaging		2										LD/HP	03/12/13
29	Fill Factor		35	percentage	Liner Lid Present	Y							LD/HP	03/12/13
30	Liner Type		1	1 = plastic drum liner									LD/HP	03/12/13
31	Liner Punctured		Y		Liner Hole Size	9.52							LD/HP	03/12/13
32	PCB Conc		NULL		(mm)			PCB Waste	PCB Mass (kg)	Out of Service			LD/HP	03/12/13
33	Closure Date		8/23/2012	Watt-years	Waste Gen Date			N	NULL	NULL			LD/HP	03/12/13
34	Vent Date		8/23/2012	0.105	NULL								LD/HP	03/12/13
35	Filter Install Date		8/23/2012					Filter Reduction Date	NULL				LD/HP	03/12/13
36	Filter Manufacturer		NFT					Reduced Filter Model	NULL				LD/HP	03/12/13
37													LD/HP	03/12/13
38	Filter Model Number		NF019D										LD/HP	03/12/13
39	Number of Filters Installed		1										LD/HP	03/12/13
40	Aspiration Method ID		3										LD/HP	03/12/13
41	Gas Gen Rate			7.643E-08	<<Gas Gen Rate Calculated.									
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date				Waste (kg)	Packaging (kg)	Total (kg)							
44	Gross Weight	kg	145		2.1	142.9	145.0						LD/HP	03/12/13
45	Gross Weight Uncert	1sigma kg	2.3										LD/HP	03/12/13
46	Alpha Surf Cont	dpm/100 cm^2	19										LD/HP	03/12/13
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199										LD/HP	03/12/13
48	Neutron Dose Rate	mrem/hr	0										LD/HP	03/12/13
49	Beta/Gamma Dose Rate	mrem/hr	1.5										LD/HP	03/12/13
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	LD/HP	03/12/13
51	Activity	Ci	1.61E-06	1.61E-06	-1.00E+00	-1.00E+00	0.00E+00	4.57E-06	1.46E-01	-1.00E+00	4.50E+00	9.62E-01	LD/HP	03/12/13
52	Activity Uncert	1sigma Ci	9.47E-08	9.47E-08	-1.00E+00	-1.00E+00	0.00E+00	2.88E-07	3.14E-02	-1.00E+00	8.41E-01	1.81E-01	LD/HP	03/12/13
53	Mass	grams	1.17E-08	1.83E-08	-1.00E+00	-1.00E+00	0.00E+00	6.41E-03	8.44E-03	-1.00E+00	7.15E+01	4.18E+00		
54	Mass Uncert	1sigma grams	7.00E-10	1.10E-09	-1.00E+00	-1.00E+00	0.00E+00	4.12E-04	1.85E-03	-1.00E+00	1.36E+01	8.03E-01		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-06	1.46E-01	0.00E+00	4.50E+00	9.62E-01		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E+00	6.95E+04	0.00E+00	2.14E+06	4.58E+05		
57	calc Act	Ci	1.61E-06	1.61E-06	0.00E+00	0.00E+00	0.00E+00	4.57E-06	1.46E-01	0.00E+00	4.50E+00	9.62E-01		
58	calc Act Conc	nCi/g	7.67E-01	7.67E-01	0.00E+00	0.00E+00	0.00E+00	2.18E+00	6.95E+04	0.00E+00	2.14E+06	4.58E+05		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	9.54E-04	0.00E+00	7.15E+01	9.41E-02		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-06	1.33E-01	0.00E+00	4.50E+00	9.62E-01		
61	calc Decay Heat	watts	1.87E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-07	4.84E-03	0.00E+00	1.40E-01	2.99E-02		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	3.20E-02	0.00E+00	8.58E-01	1.85E-01		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.53E+04	0.00E+00	4.09E+05	8.79E+04		
64	uncert Act	Ci	9.66E-08	9.66E-08	0.00E+00	0.00E+00	0.00E+00	2.94E-07	3.20E-02	0.00E+00	8.58E-01	1.85E-01		
65	uncert Act Conc	nCi/g	4.60E-02	4.60E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.53E+04	0.00E+00	4.09E+05	8.79E+04		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-06	2.09E-04	0.00E+00	1.36E+01	1.81E-02		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.85E-02	0.00E+00	8.41E-01	1.81E-01		
68	uncert Decay Heat	watts	1.12E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.06E-03	0.00E+00	2.66E-02	5.75E-03		
69	Shipping Calcs	1.14E+03	5.96E-07	1.19E-07	0.00E+00	0.00E+00	0.00E+00	8.45E-04	2.70E+01	0.00E+00	8.32E+02	1.78E+02		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.37%	0.00%	72.90%	15.58%		
71	Radionuclide		AM-241	PU-241	PU-242								LD/HP	03/12/13
72	Activity	Ci	4.79E-01	4.27E+00	6.05E-05								LD/HP	03/12/13
73	Activity Uncert	1sigma Ci	8.96E-02	8.08E-01	1.28E-05								LD/HP	03/12/13
74	Mass	grams	1.38E-01	4.11E-02	1.52E-02	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	2.63E-02	7.93E-03	3.29E-03	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	4.79E-01	0.00E+00	6.05E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	2.28E+05	0.00E+00	2.88E+01	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
78	calc Act	Ci	4.79E-01	4.27E+00	6.05E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	2.28E+05	2.03E+06	2.88E+01	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
80	calc Pu239 FGE	g	2.58E-03	9.24E-02	1.14E-04	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	4.79E-01	8.37E-02	5.50E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
82	calc Decay Heat	watts	1.60E-02	1.36E-04	1.78E-06	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	9.14E-02	0.00E+00	1.31E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	4.35E+04	0.00E+00	6.22E+00	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
85	uncert Act	Ci	9.14E-02	8.24E-01	1.31E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	4.35E+04	3.93E+05	6.22E+00	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	4.93E-04	1.78E-02	2.47E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	8.96E-02	1.58E-02	1.16E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
89	uncert Decay Heat	watts	3.06E-03	2.62E-05	3.85E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
90	Shipping Calcs		8.85E+01	1.58E+01	1.12E-02	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
91	49CFR173.433f		7.76%	1.39%	0.00%	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
92	Waste Material Parameter		IM	OM	OI	PW	CP						LD/HP	03/12/13
93	Wgt of Mat Parms	kg	0.5	0.2	1.3	0.1	35.2						LD/HP	03/12/13
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									LD/HP	03/12/13
95	Data Package Number		SRLBC0911										LD/HP	03/12/13
96	Assay Date		2/20/2013										LD/HP	03/12/13
97	Charz Method ID		1RR4	RTRM, VISUAL									LD/HP	03/12/13
98	Data Package Number		SR4RTR0312										LD/HP	03/12/13
99	Charz Method Date		1/23/2013										LD/HP	03/12/13
100	Haz Codes		D006	D007	D008	D011							LD/HP	03/12/13
101	Haz Codes												LD/HP	03/12/13
102	Haz Codes												LD/HP	03/12/13
103	Haz Codes													
104	Sample ID	Headspace Gas H/M	H-HBL120523										LD/HP	03/12/13
105	Sample Type		HGHM-T	HGHM									LD/HP	03/12/13
106	Layer No. Sampled		0		1235.86								LD/HP	03/12/13
107	Date Sampled		1/24/2013			Sample Site							LD/HP	03/12/13
108	Method ID		1HG2	DTP-1.2-041		C1							LD/HP	03/12/13
109	Data Package Number		SR13FG11011										LD/HP	03/12/13
110	CAS #		1333-74-0	74-82-8										
111	Analyte		HYDROGEN	METHANE									LD/HP	03/12/13
112	Concentration				1230.44	5.42							LD/HP	03/12/13
113	units	%vol			PPMV	PPMV							LD/HP	03/12/13
114	Date Analyzed		01/24/13	1/24/2013		2.5%= 30.76							LD/HP	03/12/13
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag													
119	U Detectable Flag			U									LD/HP	03/12/13
120	NA Detectable Flag		NA											
121	Methanol Sample ID		12HE11											
122	Sample ID	Headspace Gas VOC	HBL120523										LD/HP	03/12/13
123	Sample Type		HGVO	HGVO									LD/HP	03/12/13
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv)	6.83						LD/HP	03/12/13
125	Date Sampled		1/28/2013										LD/HP	03/12/13
126	Method ID		12HE11	DTP-1.2-041									LD/HP	03/12/13
127	Data Package Number		SRHSG1302										LD/HP	03/12/13

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Addendum #7, SCO #1065
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Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
128														
129	CAS #		67-64-1	71-43-2	75-25-2	71-36-3	75-15-0	56-23-5	108-90-7	67-66-3			LD/HP	03/12/13
130	Analyte		Acetone	Benzene	Bromoform	Butanol	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform				
131	Concentration		0.68	0.08	0.02	0.11	0.10	0.04	0.06	0.06			LD/HP	03/12/13
132	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LD/HP	03/12/13
133	Date Analyzed		2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013			LD/HP	03/12/13
134	B Detectable Flag													
135	D Detectable Flag													
136	E Detectable Flag													
137	J Detectable Flag		J										LD/HP	03/12/13
138	U Detectable Flag			U	U	U	U	U	U	U			LD/HP	03/12/13
139	NA Detectable Flag													
140	SARP-Flammable Calc		0.68	0.042	0	0.055	0.0475	0	0.0275	0				
141	CAS #		74-87-3	110-82-7	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	78-87-5			LD/HP	03/12/13
142	Analyte		Methyl chloride	Cyclohexane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	1,2-Dichloropropane				
143	Concentration		0.13	0.08	0.08	0.07	0.07	0.07	0.07	0.06			LD/HP	03/12/13
144	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LD/HP	03/12/13
145	Date Analyzed		2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013			LD/HP	03/12/13
146	B Detectable Flag													
147	D Detectable Flag													
148	E Detectable Flag													
149	J Detectable Flag													
150	U Detectable Flag		U	U	U	U	U	U	U	U			LD/HP	03/12/13
151	NA Detectable Flag													
152	SARP-Flammable Calc		0.065	0.042	0.0375	0.036	0.036	0.0365	0.036	0.0295				
153	CAS #		100-41-4	60-29-7	78-93-3	108-10-1	75-09-2	79-34-5	127-18-4	108-88-3			LD/HP	03/12/13
154	Analyte		Ethyl benzene	Ethyl ether	Methyl ethyl ketone	Methyl isobutyl ketone	Methylene chloride	1,1,2,2-Tetrachloroethan	Tetrachloroethylene	Toluene				
155	Concentration		0.06	0.10	0.09	0.06	0.08	0.04	0.04	3.50			LD/HP	03/12/13
156	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LD/HP	03/12/13
157	Date Analyzed		2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013			LD/HP	03/12/13
158	B Detectable Flag													
159	D Detectable Flag													
160	E Detectable Flag													
161	J Detectable Flag									J			LD/HP	03/12/13
162	U Detectable Flag		U	U	U	U	U	U	U				LD/HP	03/12/13
163	NA Detectable Flag													
164	SARP-Flammable Calc		0.0275	0.048	0.0445	0.032	0	0	0	3.5				
165	CAS #		71-55-6	79-01-6	75-69-4	76-13-1	108-67-8	95-63-6	108383/106423	95-47-6			LD/HP	03/12/13
166	Analyte		1,1,1-Trichloroethane	Trichloroethylene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-	1,3,5-Trimethylbenzen	1,2,4-Trimethylbenzene	m-Xylene/p-Xylene	o-Xylene				
167	Concentration		0.06	0.05	0.05	0.04	0.05	0.05	0.06	0.06			LD/HP	03/12/13
168	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			LD/HP	03/12/13
169	Date Analyzed		2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013	2/7/2013			LD/HP	03/12/13
170	B Detectable Flag													
171	D Detectable Flag													
172	E Detectable Flag													
173	J Detectable Flag													
174	U Detectable Flag		U	U	U	U	U	U	U	U			LD/HP	03/12/13
175	NA Detectable Flag													
176	SARP-Flammable Calc		0	0	0	0	0.0255	0.0245	0.0295	0.028				
177	CAS #		67-56-1										LD/HP	03/12/13
178	Analyte		Methanol	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
179	Concentration		1.90										LD/HP	03/12/13
180	units	ppmv	ppmv										LD/HP	03/12/13
181	Date Analyzed		2/7/2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL			LD/HP	03/12/13
182	B Detectable Flag													
183	D Detectable Flag													
184	E Detectable Flag													
185	J Detectable Flag		J								WDS Master Template.xls Rev. 7			
186	U Detectable Flag										Addendum #7, SCO #1065		LD/HP	03/12/13
187	NA Detectable Flag			NA	NA	NA	NA	NA	NA	NA	Excel 2003/2007 Microsoft		LD/HP	03/12/13
188	SARP-Flammable Calc		1.9	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Windows XP			

	A	B	C	D
189			type	comment
190	Comment			
191	Comment			
192	Comment			
193	Comment			
194	Comment			
195	Comment			
196	Comment			
197	Comment			
198	Comment			
199	Comment			
200				
201			Requirements Met?	
202	Free liquids <1% by volume		YES	
203	No non-rad. pyrophorics		YES	
204	Chemical compatability		YES	
205	No explosives		YES	
206	No corrosives		YES	
207	No pressurized containers		YES	
208	No sealed Containers >4 liters		YES	
209	Liner punctured/ filtered		YES	
210	Flammable VOCs <500ppmv		Yes	
211	Container is in Approved Waste Stream Profile Form?	SR-221H-PuOx	YES	
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.		NO	
213				
214				
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CCP Certification Official

Date 3/13/13

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Excel 2003/2007 Microsoft Windows XP

NCR Check

Kirkes, Creta - NWP Audit Purposes only

From: Mueller, Terry - NWP
Sent: Tuesday, March 12, 2013 8:20 AM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP
Cc: Walker, Mak (Maryann) - NWP; Jones, Laura - NWP
Subject: FW: NCR/CAR Request SRS AK21 CIS SR-221H-PuOx Lot 12
Attachments: NCR_BDR_CONTAINER_CHECK_SRS AK21 SR-221H-PuOx Lot 12.xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7042

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

From: Dominguez, Lena - NWP
Sent: Tuesday, March 12, 2013 8:09 AM
To: Mueller, Terry - NWP; Jones, Laura - NWP; Walker, Mak (Maryann) - NWP; Kantrowitz, Rich - NWP; Gomez, Chris - NWP; Klingler, Larry - NWP
Subject: NCR/CAR Request SRS AK21 CIS SR-221H-PuOx Lot 12

Please do an NCR/CAR check for SRS AK21 SR-221H-PuOx Lot 12.

Thanks,

Lena Dominguez
Central Characterization Project
Nuclear Waste Partnership LLC
Contractor for the U. S. Department of Energy
575-234-7537

NDA 2000 Assay Report

********** Item Information **********

Item ID:	HBL120523		Count Sequence Number:	13987	
Operator:	TSD-AF0879DDF40\Operator				
Assay Start:	2/20/2013 12:58:00 PM				
Description 1:	SRLBC0911				
Description 2:	N/A				
Location:	SRS, E Area				
Comment:	N/A				
Matrix Type:	Debris				
Container Type:	55 US Gal. Drum				
Weight:	Gross:	2.1 kg	Net:	2.1 kg	
Container:	Volume:	208.0 l	Full:	95.0 %	
Density:		0.594 kg /l			

********** System Configuration **********

Counter:	WSRS Box Counter
Count Type:	Item Count
Collimator/Geometry Setting:	All Banks On (GE - 0

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	13987	Batch Number:	SRLBC0911
Assay Instrument:	WSRS Box Counter	Location:	SRS, E Area
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	HBL120523	Analysis Date:	2/20/2013

Net Weight	2100.0 g	
Pu mass	7.58E+001 +-	1.34E+001 g
TRU Alpha Activity	6.09E+000 +-	8.66E-001 Ci
TRU Activity Concentration	2.90E+006 +-	4.12E+005 nCi/g
Pu-239 Equivalent Activity	6.16E+000 +-	8.66E-001 Ci
Pu-239 FGE	7.17E+001 +-	1.34E+001 g
Decay heat	1.90E-001 +-	2.69E-002 W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
SR90	1.17E-008	1.61E-006	9.47E-008	0.00E+000
CS137	1.84E-008	1.61E-006	9.47E-008	9.15E-008
U233	<LLD	<LLD	0.00E+000	4.25E-003
U234	<LLD	<LLD	0.00E+000	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	4.68E-007
NP237	6.40E-003	4.57E-006	2.88E-007	1.02E-006
PU238	8.44E-003	1.46E-001	3.14E-002	6.05E-004
U238	<LLD	<LLD	0.00E+000	7.55E-006
PU239	7.16E+001	4.50E+000	8.41E-001	1.87E-002
PU240	4.19E+000	9.62E-001	1.81E-001	3.99E-003
AM241	1.38E-001	4.79E-001	8.96E-002	1.98E-003
PU241	4.11E-002	4.27E+000	8.08E-001	1.77E-002
PU242	1.53E-002	6.05E-005	1.28E-005	0.00E+000

Errors quoted at 1.000 sigma

Operator: Daniel Crosby Daniel Crosby Date: 2-25-13

ITR: Blake Brashears Blake Brashears Date: 2-25-13

Automated Independent Technical Review

Count Sequence Number: 13987 Batch Number: SRLBC0911
Counter ID: WSRS Box Counter
Container ID: HBL120523
Waste Matrix Code: N/A Count Type:
Sequence Type: Assay Date: 2/20/2013

Comments	Disposition
Section 1 - Add-A-Source Analysis	
No Add-a-Source warnings.	OK. No changes.
Section 4 - MGA Analysis	
Expert review is recommended; the following validity tests failed:	
FWHM of 122 keV peak (826 eV) is greater than allowed (800 eV).	FWHM @ 122 keV is acceptable for Sum of Segments spectrum. No changes.
Note: The measured and declared isotopics are inconsistent.	MGA isotopics are acceptable. No changes.
Section 5 - Gamma Analysis	
Analysis Status: No errors.	OK. No changes.
Pu-239 mass is outside the acceptable range of 0.0 to 10.0 g.	Pu-239 mass = 71.6 g. OK. No changes.
Total Pu mass is greater than the upper limit of 10.0 g.	Total Pu mass = 75.8 g. OK. No changes.
Miscellaneous	
Cs-137 > LLD.	Use new Cs-137 results.

Comments	Disposition
Miscellaneous	
No additional radionuclides identified that contribute to 95% of the radiological hazard.	OK. No changes.

Expert Review by: Robert N. Ceo Date: 2-21-13

Robert N. Ceo

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0312
Examination Date:	1/23/2013
Waste Container ID:	HBL120523
Video/Audio Recorded Media Number:	SR4RTR0312 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 145.0 kg Tare Wt.: 142.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

CCP Radiography Data Sheet

Waste Container ID: HBL120523

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	101.3
Plastics (PP):	6.4
Other:	35.2
Total Packaging Weight	142.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: HBL120523

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:N/A

RTR Operator:

Steve Redmond		1/23/2013
Print Name	Signature	Date

Attachment 4 – Flammable Gas Analysis Form

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

Waste Container ID: **HBL120523**

BDR Number: **SR13FG11011**

Sampling Date: **1/24/2013**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	1230.44	
74-82-8	Methane	5.42	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.29	U
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	2.51	U
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	0.46	U
95-47-6	o-Xylene	0.31	U
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

20

BDR Number: SR13FG11011

	Waste Container ID	8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	HBL120061	NucFil-019DS	1.85E-05	N/A	2/27/2012	2/27/2012	50	332	Y
2	HBL120067	NucFil-019DS	1.85E-05	N/A	2/29/2012	2/29/2012	50	330	Y
3	HBL120062	NucFil-019DS	1.85E-05	N/A	2/27/2012	2/27/2012	50	332	Y
4	HBL120019	NucFil-019DS	1.85E-05	N/A	1/25/2012	1/25/2012	50	365	Y
5	HBL120269	NucFil-019DS	1.85E-05	N/A	5/6/2012	5/6/2012	50	263	Y
6	HBL120558	NucFil-019DS	1.85E-05	N/A	9/9/2012	9/9/2012	50	137	Y
7	HBL120483	NucFil-019DS	1.85E-05	N/A	8/10/2012	8/10/2012	50	167	Y
8	HBL120409	NucFil-019DS	1.85E-05	N/A	6/25/2012	6/25/2012	50	213	Y
9	HBL120267	NucFil-019DS	1.85E-05	N/A	5/6/2012	5/6/2012	50	263	Y
10	HBL120362	NucFil-019DS	1.85E-05	N/A	6/10/2012	6/10/2012	50	228	Y
11	HBL120523	NucFil-019DS	1.85E-05	N/A	8/23/2012	8/23/2012	50	154	Y
12	HBL120255	NucFil-019DS	1.85E-05	N/A	5/4/2012	5/4/2012	50	265	Y
13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Operator: Jeremy Robinson — **Printed Name**

Signature

1-24-13 — **Date**

GAS SAMPLE CANISTER TAG

S	R	0	1	2	8	1	3	E	I	B	1	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRH061302 Drum Number: HBL120523

Sampling Organization: CCP Sample Description: SAMPLE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	112112	1600	TBL
Cleaning Batch: 447C	M= <5.0E-2	P= 638T			
Field-	C= 24 in Hg	T= 26.8	012813	1355	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 26.8	012813	1359	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1302

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR54064315	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
2	SR54300505	3	S5000	N	N	NA	4	2	NucFil-019DS	2	3.7×10^{-6}	3
3	SR607474	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS, NucFil-013	2	3.7×10^{-6}	NA
4	WMPSWB155B	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
5	HBL120004	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
6	HBL120483	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
7	HBL120435	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
8	HBL120255	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
9	HBL120281	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
10	HBL120006	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
11	HBL120409	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
12	HBL120362	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
13	HBL120523	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
14	HBL120269	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Attachment 2 – Sample Container Data Form (Continued) Page 2 of 2

Field Batch Number: SRHSG1302

Container ID		Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 & XC0708 Temperature Recorder Calibration Due Date: 3/7/2013 & 2/13/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR54064315	9/27/2012	9/27/2012	16	123	40	Y	1/25/13 1255	1/28/13 1255
2	SR54300505	9/21/2012	9/21/2012	16	129	15	Y	1/25/13 1255	1/28/13 1255
3	SR607474	12/15/1995	4/7/2008	25	1757	95	Y	1/25/13 1255	1/28/13 1255
4	WMPSWB155B	4/17/2012	4/17/2012	16	286	80	Y	1/25/13 1255	1/28/13 1255
5	HBL120004	5/2/2012	5/2/2012	16	271	75	Y	1/25/13 1255	1/28/13 1255
6	HBL120483	8/10/2012	8/10/2012	152	171	35	Y	1/25/13 1255	1/28/13 1255
7	HBL120435	7/14/2012	7/14/2012	152	198	35	Y	1/25/13 1255	1/28/13 1255
8	HBL120255	5/4/2012	5/4/2012	152	269	35	Y	1/25/13 1255	1/28/13 1255
9	HBL120281	5/9/2012	5/9/2012	152	264	35	Y	1/25/13 1255	1/28/13 1255
10	HBL120006	1/22/2012	1/22/2012	152	372	35	Y	1/25/13 1255	1/28/13 1255
11	HBL120409	6/25/2012	6/25/2012	152	217	35	Y	1/25/13 1255	1/28/13 1255
12	HBL120362	6/10/2012	6/10/2012	152	232	35	Y	1/25/13 1255	1/28/13 1255
13	HBL120523	8/23/2012	8/23/2012	152	158	35	Y	1/25/13 1255	1/28/13 1255
14	HBL120269	5/6/2012	5/6/2012	152	267	35	Y	1/25/13 1255	1/28/13 1255
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams (Print Name) _____ (Signature) 1/28/13 (Date)

GAS SAMPLE CANISTER TAG

S	R	0	1	2	8	1	3	E	I	B	1	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRWS61302 Drum Number: WBL120523

Sampling Organization: CCP Sample Description: SAMPLE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	112112	1600	TBL
Cleaning Batch: 447C	M= <5.0E-2	P= 638T			
Field-	C= 24 in Hg	T= 26.8	012813	1355	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 26.8	012813	1359	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C= 2 psig	T= 21	013113	1439	SJM
	M=	P= 644.5T			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13031015		Field Sample ID:	SR012813EIB10	
Analytical Batch:	ECL13002M		Sampling Batch:	SRHSG1302	
Data Report:	ECL13002M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	2/7/2013	1546	Date Sampled:	1/28/2013	
Lab File ID:	F07JE		Date Received:	01/31/13	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	0.68	J
Benzene	0.084	U
Bromoform	0.024	U
Butanol	0.11	U
Carbon disulfide	0.095	U
Carbon tetrachloride	0.044	U
Chlorobenzene	0.055	U
Chloroform	0.061	U
Chloromethane	0.13	U
Cyclohexane	0.084	U
1,1-Dichloroethane	0.075	U
1,2-Dichloroethane	0.072	U
1,1-Dichloroethylene	0.072	U
cis-1,2-Dichloroethylene	0.073	U
trans-1,2-Dichloroethylene	0.072	U
1,2-Dichloropropane	0.059	U
Ethyl benzene	0.055	U
Ethyl ether	0.096	U
Methyl ethyl ketone	0.089	U
Methyl isobutyl ketone	0.064	U
Methylene chloride	0.082	U
1,1,2,2-Tetrachloroethane	0.037	U
Tetrachloroethylene	0.040	U
Toluene	3.5	J
1,1,1-Trichloroethane	0.055	U
Trichloroethylene	0.053	U
Trichlorofluoromethane	0.052	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U
1,3,5-Trimethylbenzene	0.051	U
1,2,4-Trimethylbenzene	0.049	U
p/m-Xylene	0.059	U
o-Xylene	0.056	U
Methanol	1.9	J

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13031015		Field Sample ID:	SR012813EIB10	
Analytical Batch:	ECL13002M		Sampling Batch:	SRHSG1302	
Data Report:	ECL13002M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	2/7/2013	1546	Date Sampled:	1/28/2013	
Lab File ID:	F07JE		Date Received:	01/31/13	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

VSDS Standard Map RSLS

Comments:

Surveyed 9 WIPP blend cans for POC activities. S&C cans were loaded into overpack drums and overpack drums were surveyed in preparation for shipping.
-Max. dose rate on S&C can(s): 121 (1 nf) mrem /hr @ 5cms 11 (ND nf mrem/hr @ 30cms
-Max. dose rate @ drum(s): 2 (ND n) mrem /hr @ 5cms 0.7 (ND n)mrem/hr @ 30cms
-Exterior of all drums large area smeared ND alpha and smeared <20 d/m alpha, <200 d/m beta-gamma/100cm2.
-All neutron dose rates are ND mrem/hr unless otherwise noted.
-Drums were stored in Room 512.
Background was 0.03 mrem/hr.

Drum #	CONTACT RATE	30CM RATE	1 METER RATE
HBL120523	1.5 mrem/hr	.5 mrem/hr	.03 mrem/hr
HBL120524	1.0 mrem/hr	.3 mrem/hr	.03 mrem/hr
HBL120525	1.0 mrem/hr	.3 mrem/hr	.03 mrem/hr
HBL120526	1.5 mrem/hr	.4 mrem/hr	.05 mrem/hr
HBL120527	1.5 mrem/hr	.5 mrem/hr	.05 mrem/hr
HBL120528	1.7 mrem/hr	.6 mrem/hr	.07 mrem/hr
HBL120529	1.5 mrem/hr	.4 mrem/hr	.05 mrem/hr
HBL120530	1.5 mrem/hr	.5 mrem/hr	.05 mrem/hr
HBL120531	2.0 mrem/hr	.7 mrem/hr	.08 mrem/hr

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Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:36 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**9**

Selection Criteria

Container Number: **HBL120523**

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Current Location Site:	WI
Generator Site:	SR
Destination Site ID:	WI
Certification Program ID:	C1
Shipping Program ID:	C1

Neutron Dose Rate (mrem/hr):	0.0
Beta Gamma Dose Rate (mrem/hr):	1.5
Total Dose Rate (mrem/hr):	1.5

FGE (g):	7.17E01
FGE Uncertainty (g):	1.34E01
Gross Weight (kg):	145.00
Gross Weight Uncert (kg):	2.30
Decay Heat (W):	1.9E-01
Decay Heat Uncertainty (W):	2.69E-02

Shipment Data

Payload ID: **SR1954** Assembly ID: SR127970 Payload Complete? Y
Shipment Number: SR130015 Send Date: 04/17/2013 Receipt Date: 04/18/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location

Panel: 6 Room: 3
Row: 75 Column: 1 Height: B

Certification Data Values

Waste Stream Profile Code:	SR-221H-PUOX
Waste Type Code:	MTRU
IDC Code:	NONE
Waste Matrix Code:	S5100
WAC Revision Number:	7.3
Fill Factor (%):	35.00
Waste Stream BIR ID:	NONE
Waste Stream MWIR ID:	NONE

TRU Alpha Activity (Ci):	6.09E00
TRU Alpha Activity Uncertainty (Ci):	8.66E-01
TRU Alpha Activity Concentration (Ci/g):	2.9E-03
PU-239 Equivalent Activity (PE-Ci):	6.16E00
Alpha Surface Contamination (dpm/cm^2):	19.0
Beta/Gamma Surface Contamination (dpm/cm^2):	199.0

Transportation Data Values

Closure Date:	08/23/2012
Vent Date:	08/23/2012
Process Knowledge?	N
TRUCON Code:	SR125L
Shipping Category:	3003400086
Aspiration Method:	3

Shipment Purpose:	DISPOSAL
Machine Compacted?	N
Liner Exists?	Y
Liner Hole Size(mm):	9.52
Liner Lid Present?	Y
Layers of Packaging	2
Aqueous Material?	N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

PCB Waste? N
PCB Mass (kg):
PCB Concentration (ppm):
PCB Out of Service Date:
Be Present? Y
Be <= 1% by weight? Y
Be mass <= 100kg? Y
Separation OK?
Packing Fraction (compaction level): non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF019D	1.85E-05	1	08/23/2012

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	4.790E-01	8.960E-02	1.380E-01	2.635E-02
CS-137	1.610E-06	9.470E-08	1.830E-08	1.098E-09
NP-237	4.570E-06	2.880E-07	6.410E-03	4.122E-04
PU-238	1.460E-01	3.140E-02	8.439E-03	1.852E-03
PU-239	4.500E00	8.410E-01	7.154E01	1.364E01
PU-240	9.620E-01	1.810E-01	4.183E00	8.030E-01
PU-241	4.270E00	8.080E-01	4.106E-02	7.928E-03
PU-242	6.050E-05	1.280E-05	1.524E-02	3.290E-03
SR-90	1.610E-06	9.470E-08	1.167E-08	7.002E-10
U-233	<LLD	<LLD	<LLD	<LLD
U-234	<LLD	<LLD	<LLD	<LLD
U-235	.000E00	.000E00	.000E00	.000E00

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-HBL120523	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	01/24/2013	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	1230.44	01/24/2013	1HG2	NA
74-82-8	METHANE	5.42	01/24/2013	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL120523	HGVO	HEADSPACE GAS VOC	01/28/2013	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.055	02/07/2013	12HE11	U
107-06-2	1,2-DICHLOROETHANE	0.072	02/07/2013	12HE11	U
108-10-1	METHYL ISOBUTYL KETONE	0.064	02/07/2013	12HE11	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.051	02/07/2013	12HE11	U
108-88-3	TOLUENE	3.5	02/07/2013	12HE11	J
108-90-7	CHLOROBENZENE	0.055	02/07/2013	12HE11	U
108383/106423	M,P-XYLENE	0.059	02/07/2013	12HE11	U

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL120523	HGVO	HEADSPACE GAS VOC	01/28/2013	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
110-82-7	CYCLOHEXANE	0.084	02/07/2013	12HE11	U
127-18-4	TETRACHLOROETHYLENE	0.04	02/07/2013	12HE11	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.073	02/07/2013	12HE11	U
156-60-5	TRANS-1,2-DICHLOROETHYLENE	0.072	02/07/2013	12HE11	U
56-23-5	CARBON TETRACHLORIDE	0.044	02/07/2013	12HE11	U
60-29-7	ETHYL ETHER	0.096	02/07/2013	12HE11	U
67-56-1	METHANOL	1.9	02/07/2013	12HE11	J
67-64-1	ACETONE	0.68	02/07/2013	12HE11	J
67-66-3	CHLOROFORM	0.061	02/07/2013	12HE11	U
71-36-3	BUTANOL	0.11	02/07/2013	12HE11	U
71-43-2	BENZENE	0.084	02/07/2013	12HE11	U
71-55-6	1,1,1-TRICHLOROETHANE	0.055	02/07/2013	12HE11	U
74-87-3	METHYL CHLORIDE	0.13	02/07/2013	12HE11	U
75-09-2	METHYLENE CHLORIDE	0.082	02/07/2013	12HE11	U
75-15-0	CARBON DISULFIDE	0.095	02/07/2013	12HE11	U
75-25-2	BROMOFORM	0.024	02/07/2013	12HE11	U
75-34-3	1,1-DICHLOROETHANE	0.075	02/07/2013	12HE11	U
75-35-4	1,1-DICHLOROETHYLENE	0.072	02/07/2013	12HE11	U

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Container Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	HBL120523	HGVO	HEADSPACE GAS VOC	01/28/2013	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
75-69-4	TRICHLOROFLUOROMETHANE	0.052	02/07/2013	12HE11	U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.04	02/07/2013	12HE11	U
78-87-5	1,2 DICHLOROPROPANE	0.059	02/07/2013	12HE11	U
78-93-3	METHYL ETHYL KETONE	0.089	02/07/2013	12HE11	U
79-01-6	TRICHLOROETHYLENE	0.053	02/07/2013	12HE11	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.037	02/07/2013	12HE11	U
95-47-6	O-XYLENE	0.056	02/07/2013	12HE11	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.049	02/07/2013	12HE11	U

Material Parameters

Material Parameter	Description	Weight (kg)
1	IRON BASE METAL ALLOYS	0.50
3	OTHER METAL/ALLOYS	0.20
4	OTHER INORGANIC MATERIALS	1.30
8	PLASTICS	0.10
13	STEEL CONTAINER MATERIALS	101.30
14	PLASTIC/LINERS CONTAINER MATERIALS	6.40
15	CELLULOSICS PACKAGING MATERIALS	35.20

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Waste Weight:	2.10
Packaging Weight:	142.90
Total Material Weight:	145.00

Hazardous Codes

Hazardous Code	Description
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D011	SILVER

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	02/20/2013

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1RR4	RTR-4: REAL-TIME RADIOGRAPHY	01/23/2013

Edit Limit Check Results
Evaluation Date: 03/14/2013 10:30:31 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		
DI_CERT_CERT	PASS		
DI_CERT_CHARZ	PASS		

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

Edit Limit Check Results
Evaluation Date: 03/14/2013 10:30:31 Overall Status: PASS

Evaluation Code	Status
DI_CERT_ED	PASS
DI_CERT_EPA	PASS
DI_CERT_PCB	PASS
DI_CERT_PERC	PASS
DI_CERT_TRAMPAC	PASS
DSA	PASS
WAC	PASS
WAP_CERT	PASS

TRAMPAC Evaluation Results
Evaluation Date: 03/14/2013 10:30:33 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
CE_ACT	PASS		
CE_ALL	PASS		
CE_ASP	PASS		
CE_DDH	PASS		
CE_FGE	PASS		
CE_FIL	PASS		
CE_GVE	PASS		
CE_RDR	PASS		
CE_TRU	PASS		
CE_WGT	PASS		

Container: HBL120523
Type: 5 - 12-inch Pipe OP

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 03/13/2013
Waste Handling Code: CH
Disposal Date: 04/21/2013

TRAMPAC Evaluation Results
Evaluation Date: 03/14/2013 10:30:33 Overall Status: PASS

Details

Matrix Depleted Shipping Category:	3001090086	Compliance Method:	MEASUREMENT
Decay Heat Limit (w):	0.1649938440492476	FGE Limit (g):	200
FGGR (mol/s):	2.999962200628467E-8	FGGR Limit (mol/s):	5.8139534883720935E-8
Volume Model:	3	Required Aspiration Time (days):	
Total Headspace VOCs (ppm):	7.58		
Packaging Configuration:	PE_ASSIGNED	DAC Scenario:	
Closure Time (days):		Minimum Closure Time Applied (days):	
Sample-Vent Time (days):	158	Min Sample-Vent Time Applied (days):	50
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
03/14/2013 10:30:34	INSERT DATA INTO THE DATABASE	
03/14/2013 10:30:34	SUCCESSFUL SUBMISSION FOR CERT	
03/14/2013 10:37:04	APPROVED FOR CERT	
04/04/2013 11:07:26	ASSIGNED TO PAYLOAD	

DIVIDER PAGE

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

MD0504544A

(a 55 gal soils container)

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CIS Audit Purposes Only

CCP Solids Analysis VOC UCL_{90} Evaluation Form

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 7

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Transpertation Headspace Gas BDR
MD0504544A	SRLBC0698	SRSRTR0584	N/A	N/A	N/A	N/A	SR12FG11050
MD0504544B	SRLBC0698	SRSRTR0584	N/A	N/A	N/A	N/A	SR12FG11050
MDL0504544	SRLBC0698	SRSRTR0583	N/A	N/A	N/A	N/A	SR12FG11050
MDL0506030	SRLBC0808	SRLBR0057	N/A	N/A	N/A	N/A	SR12FG3051
MDL0506075	SRLBC0808	SRLBR0057	N/A	N/A	N/A	N/A	SR12FG3051
MDL0506223	SRLBC0797	SRLBR0057	N/A	WCS-0501	ALD05021V	N/A	SR12FG3051
MDL0506233	SRLBC0797	SRLBR0057	N/A	WCS-0501	ALD05021V	N/A	SR12FG3051
MDL0506267	SRLBC0844	SRLBR0057	N/A	WCS-0501	ALD05023M	N/A	SR12FG3051
MDL0506281	SRLBC0797	SRLBR0056	N/A	WCS-0501	ALD05021V	N/A	SR12FG11086
MDL0506551	SRLBC0838	SR4RTR0205	N/A	N/A	N/A	N/A	SR11FG3137
MDL0506674	SRLBC0847	SRLBR0061	N/A	N/A	N/A	N/A	SR12FG11123
WMAPSLB016	SRLBC0768	SRLBR0049	N/A	N/A	N/A	N/A	SR12FG11090

Signature of Site Project Manager

Joshua Houghton
Printed Name

12/4/2012
Date

Audit Purposes Only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP	Units	data	comments									Initial	date
2	Shipper Site ID		[redacted]	Location ID	Dest Program ID	Shipping Purpose				MD0504544A			LU/LD	12/04/12
3	Waste Stream Profile		SR-MD-SOIL	[redacted]	[redacted]	[redacted]							LU/LD	12/04/12
4	Container Number		[redacted]										LU/LD	12/04/12
5	Container Type		drum	drum, swb, tdop, etc., see WWIS labels for valid types.					U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	LU/LD	12/04/12
6	WAC Rev #		7.2						NULL	NULL	NULL	NULL	LU/LD	12/04/12
7	[redacted]							Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst		
8	Cert Site		C1					Y	Y	Y	N	N	LU/LD	12/04/12
9	Cert Date		12/5/12											
10	Waste Handling Code		CH	CH, RH									LU/LD	12/04/12
11	Waste Type Code		MTRU	TRU, MTRU									LU/LD	12/04/12
12	Waste Stream BIR ID		SR-MD-SOIL										LU/LD	12/04/12
13	Waste Stream MWIR ID		NONE										LU/LD	12/04/12
14	Generator Site ID		MD										LU/LD	12/04/12
15	IDC Code		NONE										LU/LD	12/04/12
16	Matrix Code		S4200										LU/LD	12/04/12
17	Trucon Code		SQ111C										LU/LD	12/04/12
18	Shipping Category		001600124											
19	Tru Alpha Act	Ci	1.26E-02		1.260E-02								LU/LD	12/04/12
20	Tru Alpha Act Uncert	1sigma Ci	3.42E-03	1.944E-02	Tru Alpha Act + 2sigma (Ci)								LU/LD	12/04/12
21	Tru Alpha Act Conc	nCi/g	1.26E+02		1.25E+02								LU/LD	12/04/12
22	[redacted]		3.40E+01	1.940E+02	Tru Alpha Act Conc + 2sigma (Ci)			Drum Weight	27.7				LU/LD	12/04/12
23	Pu239 Fiss Gm Eq	g	8.26E-05		8.231E-05				[redacted]				LU/LD	12/04/12
24	Pu239 Fiss Gm Eq Uncert	1sigma g	2.24E-05	1.274E-04	Pu239 Fiss Gm Eq + 2sigma (Ci)								LU/LD	12/04/12
25	Pu239 Eq Act	Ci	1.15E-02		1.145E-02								LU/LD	12/04/12
26	Decay Heat	watts	4.19E-04		4.174E-04								LU/LD	12/04/12
27	Decay Heat Uncert	1sigma watts	1.13E-04	5.32E-04	Decay Heat + 1sigma (watts)								LU/LD	12/04/12
28	Layers of Packaging		2										LU/LD	12/04/12
29	Fill Factor		50	percentage	Liner Lid Present								LU/LD	12/04/12
30	Liner Type			1 = plastic drum liner									LU/LD	12/04/12
31	Liner Punctured				Liner Hole Size								LU/LD	12/04/12
32	PCB Conc		NULL		(mm)		PCB Waste	PCB Mass (kg)	Out of Service				LU/LD	12/04/12
33	Closure Date		4/19/2012	Watt-years	Waste Gen Date		N	NULL	NULL				LU/LD	12/04/12
34	Vent Date		4/19/2012	0.000	NULL								LU/LD	12/04/12
35	Filter Install Date		[redacted]				Filter Reduction Date	NULL					LU/LD	12/04/12
36	Filter Manufacturer		NFT				Reduced Filter Model	NULL					LU/LD	12/04/12
37	[redacted]												LU/LD	12/04/12
38	Filter Model Number		NF019D										LU/LD	12/04/12
39	Number of Filters Installed		1										LU/LD	12/04/12
40	Aspiration Method ID		3										LU/LD	12/04/12
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.									
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date				Waste (kg)	Packaging (kg)	Total (kg)							
44	Gross Weight	kg	134	[redacted]	100.6	33.4	134.0						LU/LD	12/04/12
45	Gross Weight Uncert	1sigma kg	2.3										LU/LD	12/04/12
46	Alpha Surf Cont	dpm/100 cm^2	19	[redacted]									LU/LD	12/04/12
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199	[redacted]									LU/LD	12/04/12
48	Neutron Dose Rate	mrem/hr	0	[redacted]									LU/LD	12/04/12
49	Beta/Gamma Dose Rate	mrem/hr	0.1	[redacted]									LU/LD	12/04/12
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	LU/LD	12/04/12
51	Activity	Ci	1.51E-06	1.51E-06	-1.00E+00	2.26E-06	0.00E+00	0.00E+00	1.26E-02	-1.00E+00	-1.00E+00	-1.00E+00	LU/LD	12/04/12
52	Activity Uncert	1sigma Ci	9.09E-08	9.09E-08	-1.00E+00	3.62E-07	0.00E+00	0.00E+00	3.42E-03	-1.00E+00	-1.00E+00	-1.00E+00	LU/LD	12/04/12
53	Mass	grams	1.09E-08	1.72E-08	-1.00E+00	3.58E-04	0.00E+00	0.00E+00	7.28E-04	-1.00E+00	-1.00E+00	-1.00E+00		
54	Mass Uncert	1sigma grams	6.72E-10	1.05E-09	-1.00E+00	5.84E-05	0.00E+00	0.00E+00	2.02E-04	-1.00E+00	-1.00E+00	-1.00E+00		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	0.00E+00		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+02	0.00E+00	0.00E+00	0.00E+00		
57	calc Act	Ci	1.51E-06	1.51E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	0.00E+00		
58	calc Act Conc	nCi/g	1.50E-02	1.50E-02	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.25E+02	0.00E+00	0.00E+00	0.00E+00		

Audit Purposes Only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP	Units	data				comments						initial	date
2	Shipper Site ID		C1	Location ID	Dest Program ID	Shipping Purpose				MD0504544A			LU/LD	12/04/12
3	Waste Stream Profile		SR-MD-SOIL	SR	WI	D							LU/LD	12/04/12
4	Container Number		MD0504544A										LU/LD	12/04/12
5	Container Type		drum	drum, swb, tdop, etc., see WWIS labels for valid types.					U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	LU/LD	12/04/12
6	WAC Rev #		7.2						NULL	NULL	NULL	NULL	LU/LD	12/04/12
7	[redacted]							Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst		
8	Cert Site		C1					Y	Y	Y	N	N	LU/LD	12/04/12
9	Cert Date		12/5/12											
10	Waste Handling Code		CH	CH, RH									LU/LD	12/04/12
11	Waste Type Code		MTRU	TRU, MTRU									LU/LD	12/04/12
12	Waste Stream BIR ID		SR-MD-SOIL										LU/LD	12/04/12
13	Waste Stream MWIR ID		NONE										LU/LD	12/04/12
14	Generator Site ID		MD										LU/LD	12/04/12
15	IDC Code		NONE										LU/LD	12/04/12
16	Matrix Code		S4200										LU/LD	12/04/12
17	Trucon Code		SQ111C										LU/LD	12/04/12
18	Shipping Category		1001600124											
19	Tru Alpha Act	Ci	1.26E-02		1.260E-02								LU/LD	12/04/12
20	Tru Alpha Act Uncert	1sigma Ci	3.42E-03	1.944E-02	Tru Alpha Act + 2sigma (Ci)								LU/LD	12/04/12
21	Tru Alpha Act Conc	nCi/g	1.26E+02		1.25E+02								LU/LD	12/04/12
22	[redacted]		3.40E+01	1.940E+02	Tru Alpha Act Conc + 2sigma (Ci)			Drum Weight	27.7				LU/LD	12/04/12
23	Pu239 Fiss Gm Eq	g	8.26E-05		8.231E-05								LU/LD	12/04/12
24	Pu239 Fiss Gm Eq Uncert	1sigma g	2.24E-05	1.274E-04	Pu239 Fiss Gm Eq + 2sigma (Ci)								LU/LD	12/04/12
25	Pu239 Eq Act	Ci	1.15E-02		1.145E-02								LU/LD	12/04/12
26	Decay Heat	watts	4.19E-04		4.174E-04								LU/LD	12/04/12
27	Decay Heat Uncert	1sigma watts	1.13E-04	5.32E-04	Decay Heat + 1sigma (watts)								LU/LD	12/04/12
28	Layers of Packaging		2										LU/LD	12/04/12
29	Fill Factor		50	percentage	Liner Lid Present								LU/LD	12/04/12
30	Liner Type			1 = plastic drum liner									LU/LD	12/04/12
31	Liner Punctured				Liner Hole Size								LU/LD	12/04/12
32	PCB Conc		NULL		(mm)		PCB Waste	PCB Mass (kg)	Out of Service				LU/LD	12/04/12
33	Closure Date		4/19/2012	Watt-years	Waste Gen Date		N	NULL	NULL				LU/LD	12/04/12
34	Vent Date		4/19/2012	0.000	NULL								LU/LD	12/04/12
35	Filter Install Date		4/19/2012				Filter Reduction Date	NULL					LU/LD	12/04/12
36	Filter Manufacturer		NFT				Reduced Filter Model	NULL					LU/LD	12/04/12
37	[redacted]												LU/LD	12/04/12
38	Filter Model Number		NF019D										LU/LD	12/04/12
39	Number of Filters Installed		1										LU/LD	12/04/12
40	Aspiration Method ID		3										LU/LD	12/04/12
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.								LU/LD	12/04/12
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date				Waste (kg)	Packaging (kg)	Total (kg)							
44	Gross Weight	kg	134		100.6	33.4	134.0						LU/LD	12/04/12
45	Gross Weight Uncert	1sigma kg	2.3										LU/LD	12/04/12
46	Alpha Surf Cont	dpm/100 cm^2	19										LU/LD	12/04/12
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199										LU/LD	12/04/12
48	Neutron Dose Rate	mrem/hr	0										LU/LD	12/04/12
49	Beta/Gamma Dose Rate	mrem/hr	0.1										LU/LD	12/04/12
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	LU/LD	12/04/12
51	Activity	Ci	1.51E-06	1.51E-06	-1.00E+00	2.26E-06	0.00E+00	0.00E+00	1.26E-02	-1.00E+00	-1.00E+00	-1.00E+00	LU/LD	12/04/12
52	Activity Uncert	1sigma Ci	9.09E-08	9.09E-08	-1.00E+00	3.62E-07	0.00E+00	0.00E+00	3.42E-03	-1.00E+00	-1.00E+00	-1.00E+00	LU/LD	12/04/12
53	Mass	grams	1.09E-08	1.72E-08	-1.00E+00	3.58E-04	0.00E+00	0.00E+00	7.28E-04	-1.00E+00	-1.00E+00	-1.00E+00		
54	Mass Uncert	1sigma grams	6.72E-10	1.05E-09	-1.00E+00	5.84E-05	0.00E+00	0.00E+00	2.02E-04	-1.00E+00	-1.00E+00	-1.00E+00		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	0.00E+00		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+02	0.00E+00	0.00E+00	0.00E+00		
57	calc Act	Ci	1.51E-06	1.51E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	0.00E+00		
58	calc Act Conc	nCi/g	1.50E-02	1.50E-02	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.25E+02	0.00E+00	0.00E+00	0.00E+00		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	0.00E+00		
61	calc Decay Heat	watts	1.75E-09	1.67E-09	0.00E+00	6.51E-08	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	0.00E+00		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	0.00E+00		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E+01	0.00E+00	-6.25E+02	-2.29E+03		
64	uncert Act	Ci	9.28E-08	9.28E-08	0.00E+00	3.69E-07	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	0.00E+00		
65	uncert Act Conc	nCi/g	9.22E-04	9.22E-04	0.00E+00	3.67E-03	0.00E+00	0.00E+00	3.47E+01	0.00E+00	0.00E+00	0.00E+00		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	0.00E+00		
68	uncert Decay Heat	watts	1.08E-10	1.03E-10	0.00E+00	1.06E-08	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00		
69	Shipping Calcs	2.33E+00	5.59E-07	1.12E-07	0.00E+00	8.37E-05	0.00E+00	0.00E+00	2.33E+00	0.00E+00	0.00E+00	0.00E+00		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%		
71	Radionuclide		AM-241	PU-241	PU-242								LU/LD	12/04/12
72	Activity	Ci	-1.00E+00	0.00E+00	3.87E-09								LU/LD	12/04/12
73	Activity Uncert	1sigma Ci	-1.00E+00	0.00E+00	6.19E-10								LU/LD	12/04/12
74	Mass	grams	-1.00E+00	0.00E+00	9.75E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	-1.00E+00	0.00E+00	1.59E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	3.87E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	3.85E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
78	calc Act	Ci	0.00E+00	0.00E+00	3.87E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	0.00E+00	0.00E+00	3.85E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
80	calc Pu239 FGE	g	0.00E+00	0.00E+00	7.31E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	3.52E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
82	calc Decay Heat	watts	0.00E+00	0.00E+00	1.14E-10	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	6.32E-10	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	6.28E-06	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
85	uncert Act	Ci	0.00E+00	0.00E+00	6.32E-10	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	0.00E+00	0.00E+00	6.28E-06	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	0.00E+00	0.00E+00	1.19E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	5.63E-10	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
89	uncert Decay Heat	watts	0.00E+00	0.00E+00	1.86E-11	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
90	Shipping Calcs		0.00E+00	0.00E+00	7.15E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
91	49CFR173.433f		0.00%	0.00%	0.00%	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
92	Waste Material Parameter		OI	PW	S	PP	CP						LU/LD	12/04/12
93	Wgt of Mat Parms	kg	8.5	2.5	89.6	2	3.7						LU/LD	12/04/12
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									LU/LD	12/04/12
95	Data Package Number		SRLBC0698										LU/LD	12/04/12
96	Assay Date		5/21/2012										LU/LD	12/04/12
97	Charz Method ID		1RR3	RTRM, VISUAL									LU/LD	12/04/12
98	Data Package Number		SRSRTR0584										LU/LD	12/04/12
99	Charz Method Date		5/7/2012										LU/LD	12/04/12
100	Haz Codes		D004	D005	D006	D007	D008	D009	D010	D011	F002	F003	LU/LD	12/04/12
101	Haz Codes		F004	F005	F007	F009							LU/LD	12/04/12
102	Haz Codes												LU/LD	12/04/12
103	Haz Codes													
104	Sample ID	Headspace Gas H/M	H-MD0504544A										LU/LD	12/04/12
105	Sample Type		HGHM-T	HGHM									LU/LD	12/04/12
106	Layer No. Sampled		0		238.39								LU/LD	12/04/12
107	Date Sampled		5/9/2012			Sample Site							LU/LD	12/04/12
108	Method ID		1HG2	DTP-1.2-041		C1							LU/LD	12/04/12
109	Data Package Number		SR12FG11050										LU/LD	12/04/12
110	CAS #		1333-74-0	74-82-8										
111	Analyte		HYDROGEN	METHANE									LU/LD	12/04/12
112	Concentration				87.36	151.03							LU/LD	12/04/12
113	units	%vol			PPMV	PPMV							LU/LD	12/04/12
114	Date Analyzed		05/09/12	5/9/2012		2.59%= 2.18							LU/LD	12/04/12
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag													
119	U Detectable Flag		U	U									LU/LD	12/04/12
120	NA Detectable Flag													
121	Methanol Sample ID		1HG2											
122	Sample ID	Headspace Gas VOC	MD0504544A										LU/LD	12/04/12
123	Sample Type		HGVO-T	HGVO									LU/LD	12/04/12
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv)		40.935					LU/LD	12/04/12
125	Date Sampled		5/9/2012										LU/LD	12/04/12
126	Method ID		1HG2	DTP-1.2-041									LU/LD	12/04/12
127	Data Package Number		SR12FG11050										LU/LD	12/04/12

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
189			type	comment										
190	Comment													
191	Comment													
192	Comment													
193	Comment													
194	Comment													
195	Comment													
196	Comment													
197	Comment													
198	Comment													
199	Comment													
200														
201														

		Requirements Met?
202	Free liquids <1% by volume	YES
203	No non-rad. pyrophorics	YES
204	Chemical compatability	YES
205	No explosives	YES
206	No corrosives	YES
207	No pressurized containers	YES
208	No sealed Containers >4 liters	YES
209	Liner punctured/ filtered	YES
210	Flammable VOCs <500ppmv	Yes
211	Container is in Approved Waste Stream Profile Form? SR-MD-SOIL	YES
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.	NO
213		
214		
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235		

CCP Certification Official

12/5/12
Date

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft Windows XP

Kirkes, Creta - NWP NCR Check Audit Purposes Only

From: Mueller, Terry - NWP
Sent: Tuesday, December 04, 2012 1:56 PM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP; Underwood, Luann - NWP
Cc: Jones, Laura - NWP; Klingler, Larry - NWP
Subject: FW: SRS SR-MD-SOIL Lot 7 NCR/CAR check
Attachments: NCR_BDR_CONTAINER_CHECK_SRS SR-MD-SOIL Lot 7.xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7042

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

From: Underwood, Luann - NWP
Sent: Tuesday, December 04, 2012 1:35 PM
To: Mueller, Terry - NWP; Jones, Laura - NWP
Cc: Underwood, Luann - NWP
Subject: SRS SR-MD-SOIL Lot 7 NCR/CAR check

Please do a NCR/CAR Check on SRS SR-MD-SOIL Lot 7.

Thanks,

Luann Underwood
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
(575) 234-7505
luann.underwood@wipp.ws

NDA 2000 Assay Report

********** Item Information **********

Item ID:	MD0504544A		Count Sequence Number:	11501	
Operator:	TSD-AF0879DDF40\Operator				
Assay Start:	5/21/2012 9:40:02 PM				
Description 1:	SRLBC0698				
Description 2:	N/A				
Location:	SRS, E AREA				
Comment:	N/A				
Matrix Type:	Debris				
Container Type:	55 US Gal. Drum				
Weight:	Gross:	100.6 kg	Net:	100.6 kg	
Container:	Volume:	208.0 l	Full:	50.0 %	
Density:		0.970 kg /l			

********** System Configuration **********

Counter:	WSRS Box Counter
Count Type:	Item Count
Collimator/Geometry Setting:	All Banks On (GE - 0

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	11501	Batch Number:	SRLBC0698
Assay Instrument:	WSRS Box Counter	Location:	SRS, E AREA
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	MD0504544A	Analysis Date:	5/21/2012

Net Weight	100600.0 g	
Pu mass	7.32E-004 +-	1.98E-004 g
TRU Alpha Activity	1.26E-002 +-	3.42E-003 Ci
TRU Activity Concentration	1.26E+002 +-	3.40E+001 nCi/g
Pu-239 Equivalent Activity	1.15E-002 +-	3.11E-003 Ci
Pu-239 FGE	8.26E-005 +-	2.24E-005 g
Decay heat	4.19E-004 +-	1.13E-004 W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
SR90	1.09E-008	1.51E-006	9.09E-008	0.00E+000
CS137	1.72E-008	1.51E-006	9.09E-008	1.63E-007
U233	<LLD	<LLD	0.00E+000	9.97E-004
U234	3.58E-004	2.26E-006	3.62E-007	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	1.58E-007
NP237	0.00E+000	0.00E+000	0.00E+000	2.02E-007
PU238	7.31E-004	1.26E-002	3.42E-003	9.32E-003
U238	<LLD	<LLD	0.00E+000	9.10E-006
PU239	<LLD	<LLD	0.00E+000	1.63E-003
PU240	<LLD	<LLD	0.00E+000	2.29E-002
AM241	<LLD	<LLD	0.00E+000	2.58E-003
PU241	0.00E+000	0.00E+000	0.00E+000	5.08E-002
PU242	9.75E-007	3.87E-009	6.19E-010	0.00E+000

Errors quoted at 1.000 sigma

Operator: Tim Carlton Tim Carlton Date: 5/30/12

ITR: Larry Valdez Larry Valdez Date: 5-30-12

Automated Independent Technical Review

Count Sequence Number: 11501
Counter ID: WSRS Box Counter
Container ID: MD0504544A
Waste Matrix Code: N/A
Sequence Type:

Batch Number: SRLBC0698
Count Type:
Assay Date: 5/21/2012

Comments	Disposition
Section 1 - Add-A-Source Analysis No Add-a-Source warnings.	 OK. No changes.
Section 2 - Passive Neutron Analysis Analysis Status: No errors. No Warnings Reported.	 OK. No changes. OK. No changes.
Section 4 - MGA Analysis Results are marked as invalid.	 No measured or declared isotopics available. Only directly measured radionuclides reported Use new results.
Section 5 - Gamma Analysis Analysis Status: No errors. Spectrum Validity Check engine has suggested data review.	 OK. No changes. Refit 152 keV region in the PROC00AI spectrum. Use new results.
Miscellaneous Cs-137 > LLD No additional radionuclides identified that contribute to 95% of the radiological hazard.	 Use new Cs-137 results. OK. No changes.

Expert Review by: Bart B. Morales Date: 5/23/12

Bart B. Morales

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRSRTR0584
Examination Date:	5/7/12
Waste Container ID:	MD0504544A
Video/Audio Recorded Media Number:	SRSRTR0584 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon drum
TRUCON Code:	SQ211
Waste Matrix Code:	S4200
Waste Stream I.D.:	SR-MD-SOIL
Waste Container Weights.	Gross Wt: 134.0 kg. Tare Wt: 33.4 kg. Net Wt: 100.6 kg.
Rigid Liner and Liner Vent Description: (e.g. "90 mil liner – NO Lid" or "NO Liner")	Fiberboard Liner- No Liner Lid
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage	50 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MD0504544A

Section 3: Container Inventory and Comments (Detailed descriptions)
Pieces of concrete Plastic bags Soil

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	2.0
Others:	3.7
Total Packaging Weight:	33.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	8.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	89.6
Total WMP Weight:	100.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

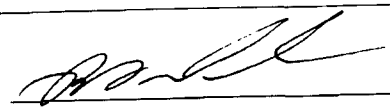
Waste Container ID: MD0504544A

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

N/A

Comments:

RTR Operator

Steve Redmond		5/7/12
Print Name	Signature	Date

Attachment 4 – Flammable Gas Analysis Form

Waste Container ID: **MD0504544A**

BDR Number: **SR12FG11050**

Sampling Date: **5/9/2012**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	87.36	U
74-82-8	Methane	151.03	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.29	U
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	6.19	
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	0.46	U
95-47-6	o-Xylene	0.31	U
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Attachment 1 – Sample Container Data Form

BDR Number: SR12FG11050

	Waste Container ID	8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	HCA050001	NucFil-019DS	7.40E-06	6	5/20/2003	5/20/2003	56	3277	Y
2	HCA050004	NucFil-019DS	7.40E-06	6	5/20/2003	5/20/2003	56	3277	Y
3	SR46039TB	NucFil-019DS	7.40E-06	6	3/5/2012	3/5/2012	56	65	Y
4	SWD11024	NucFil-019DS	1.85E-05	3	1/28/2011	1/28/2011	12	467	Y
5	SWD11039	NucFil-019DS	1.85E-05	3	1/28/2011	1/28/2011	12	467	Y
6	SWD11199	NucFil-019DS	1.85E-05	3	5/2/2011	5/2/2011	12	373	Y
7	SWD11030	NucFil-019DS	1.85E-05	3	2/7/2011	2/7/2011	12	457	Y
8	SWD11170	NucFil-019DS	1.85E-05	3	5/3/2011	5/3/2011	12	372	Y
9	MDL0504544	NucFil-019DS	1.85E-05	3	4/19/2012	4/19/2012	19	20	Y
10	MD0504544A	NucFil-019DS	1.85E-05	3	4/19/2012	4/19/2012	19	20	Y
11	MD0504544B	NucFil-019DS	1.85E-05	3	4/19/2012	4/19/2012	19	20	Y
12	SR57052921	NucFil-019DS	1.85E-05	3	3/20/2012	3/20/2012	12	50	Y
13	SR60686167	NucFil-019DS	1.85E-05	3	3/21/2012	3/21/2012	12	49	Y
14	SR46023VA	NucFil-019DS	1.85E-05	3	3/22/2012	3/22/2012	12	48	Y
15	SR57053116	NucFil-019DS	1.85E-05	3	3/19/2012	3/19/2012	12	51	Y
16	SR57055381	NucFil-019DS	1.85E-05	3	3/21/2012	3/21/2012	12	49	Y
17	SR61125639	NucFil-019DS	1.85E-05	3	5/23/2011	5/23/2011	12	352	Y
18	SR61125456	NucFil-019DS	1.85E-05	3	4/4/2012	4/4/2012	12	35	Y
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Operator: Joel Thompson
Printed Name

Signature

5/9/12
Date

Date: 05/07/2012

DRUM and SWB SURVEY LOGSHEET

CONTAINER NUMBER	Dose Rate EXTREMITY mrem/hr		Dose Rate WHOLE BODY mrem/hr		LARGE AREA WIPE		dpm/100cm^2	
	(γ + η)	(η)	(γ + η)	(η)	α	βγ	α	βγ
MD0504544A	ND	ND	ND	ND	ND	ND	<20	<200
MD0504544B	ND	ND	ND	ND	ND	ND	<20	<200
SR52823410	ND	ND	ND	ND	ND	ND	<20	<200
SR46036W	ND	ND	ND	ND	ND	ND	<20	<200
SWD031441	ND	ND	ND	ND	ND	ND	<20	<200
SWD061032	ND	ND	ND	ND	ND	ND	<20	<200
SWD061128	ND	ND	ND	ND	ND	ND	<20	<200
SR46053ZA	ND	ND	ND	ND	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA

SWMM-20120507-20

6 of 6

Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:45 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**9**

Selection Criteria

Container Number: **MD0504544A**

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

Current Location Site: WI
Generator Site: MD
Destination Site ID: WI

Certification Program ID: C1
Shipping Program ID: C1

Neutron Dose Rate (mrem/hr): 0.0
Beta Gamma Dose Rate (mrem/hr): 0.1
Total Dose Rate (mrem/hr): 0.1

FGE (g): 8.26E-05
FGE Uncertainty (g): 2.24E-05

Gross Weight (kg): 134.00
Gross Weight Uncert (kg): 2.30

Decay Heat (W): 4.19E-04
Decay Heat Uncertainty (W): 1.13E-04

Shipment Data
Payload ID: **SR1925** Assembly ID: SR125392 Payload Complete? Y
Shipment Number: SR130006 Send Date: 04/02/2013 Receipt Date: 04/03/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location
Panel: 6 Room: 3
Row: 61 Column: 1 Height: B

Certification Data Values

Waste Stream Profile Code: SR-MD-SOIL
Waste Type Code: MTRU
IDC Code: NONE
Waste Matrix Code: S4200
WAC Revision Number: 7.2
Fill Factor (%): 50.00
Waste Stream BIR ID: SR-MD-SOIL
Waste Stream MWIR ID: NONE

TRU Alpha Activity (Ci): 1.26E-02
TRU Alpha Activity Uncertainty (Ci): 3.42E-03
TRU Alpha Activity Concentration (Ci/g): 1.26E-07
PU-239 Equivalent Activity (PE-Ci): 1.15E-02
Alpha Surface Contamination (dpm/cm^2): 19.0
Beta/Gamma Surface Contamination (dpm/cm^2): 199.0

Transportation Data Values

Closure Date: 04/19/2012
Vent Date: 04/19/2012
Process Knowledge? N

TRUCON Code: SQ111C
Shipping Category: 1001600124
Aspiration Method: 3

Shipment Purpose: DISPOSAL
Machine Compacted? N
Liner Exists? N
Liner Hole Size(mm):
Liner Lid Present?
Layers of Packaging 2
Aqueous Material? N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

PCB Waste? N
PCB Mass (kg):
PCB Concentration (ppm):
PCB Out of Service Date:
Be Present? Y
Be <= 1% by weight? Y
Be mass <= 100kg? Y
Separation OK?
Packing Fraction (compaction level): non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF019D	1.85E-05	1	04/19/2012

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	<LLD	<LLD	<LLD	<LLD
CS-137	1.510E-06	9.090E-08	1.716E-08	1.054E-09
NP-237	.000E00	.000E00	.000E00	.000E00
PU-238	1.260E-02	3.420E-03	7.283E-04	2.017E-04
PU-239	<LLD	<LLD	<LLD	<LLD
PU-240	<LLD	<LLD	<LLD	<LLD
PU-241	.000E00	.000E00	.000E00	.000E00
PU-242	3.870E-09	6.190E-10	9.748E-07	1.591E-07
SR-90	1.510E-06	9.090E-08	1.094E-08	6.721E-10
U-233	<LLD	<LLD	<LLD	<LLD
U-234	2.260E-06	3.620E-07	3.576E-04	5.845E-05
U-235	.000E00	.000E00	.000E00	.000E00

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-MD0504544A	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	05/09/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	87.36	05/09/2012	1HG2	U
74-82-8	METHANE	151.03	05/09/2012	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	MD0504544A	HGVO-T	HEADSPACE GAS VOC	05/09/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.73	05/09/2012	1HG2	U
107-06-2	1,2-DICHLOROETHANE	2.21	05/09/2012	1HG2	U
108-10-1	METHYL ISOBUTYL KETONE	3.9	05/09/2012	1HG2	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.55	05/09/2012	1HG2	U
108-88-3	TOLUENE	6.19	05/09/2012	1HG2	NA
108-90-7	CHLOROBENZENE	0.51	05/09/2012	1HG2	U
108383/106423	M,P-XYLENE	0.46	05/09/2012	1HG2	U

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	MD0504544A	HGVO-T	HEADSPACE GAS VOC	05/09/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
110-82-7	CYCLOHEXANE	3.23	05/09/2012	1HG2	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.48	05/09/2012	1HG2	U
60-29-7	ETHYL ETHER	0.68	05/09/2012	1HG2	U
67-56-1	METHANOL	32.97	05/09/2012	1HG2	U
67-64-1	ACETONE	8.29	05/09/2012	1HG2	U
71-36-3	BUTANOL	1.27	05/09/2012	1HG2	U
71-43-2	BENZENE	0.63	05/09/2012	1HG2	U
75-34-3	1,1-DICHLOROETHANE	3.52	05/09/2012	1HG2	U
75-35-4	1,1-DICHLOROETHYLENE	4.82	05/09/2012	1HG2	U
78-93-3	METHYL ETHYL KETONE	4.32	05/09/2012	1HG2	U
95-47-6	O-XYLENE	0.31	05/09/2012	1HG2	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.61	05/09/2012	1HG2	U

Material Parameters

Material Parameter	Description	Weight (kg)
4	OTHER INORGANIC MATERIALS	8.50
8	PLASTICS	2.50
12	SOILS	89.60

WDS
WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012

Waste Handling Code: CH
Disposal Date: 04/11/2013

Material Parameters

Material Parameter	Description	Weight (kg)
13	STEEL CONTAINER MATERIALS	27.70
14	PLASTIC/LINERS CONTAINER MATERIALS	2.00
15	CELLULOSICS PACKAGING MATERIALS	3.70

Waste Weight:	100.60
Packaging Weight:	33.40
Total Material Weight:	134.00

Hazardous Codes

Hazardous Code	Description
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
F002	SPENT HALOGENATED SOLVENTS
F003	SPENT NON-HALOGENATED SOLVENTS
F004	SPENT NONHALOGENATED SOLVENTS
F005	SPENT NON-HALOGENATED SOLVENTS
F007	SPENT CYANIDE PLATING BATH

WDS WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

Hazardous Codes

Hazardous Code	Description
F009	SPENT STRIPPING SOLUTION

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	05/21/2012

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1RR3	PAD 15 RTR: MARIETTA X-RAY	05/07/2012

Edit Limit Check Results

Evaluation Date: 12/05/2012 13:33:20 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		
DI_CERT_CERT	PASS		
DI_CERT_CHARZ	PASS		
DI_CERT_ED	PASS		
DI_CERT_EPA	PASS		
DI_CERT_PCB	PASS		
DI_CERT_PERC	PASS		
DI_CERT_TRAMPAC	PASS		
DSA	PASS		

WDS WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

Edit Limit Check Results
Evaluation Date: 12/05/2012 13:33:20
Overall Status: PASS

Evaluation Code	Status
WAC	PASS
WAP_CERT	PASS

TRAMPAC Evaluation Results
Evaluation Date: 12/05/2012 13:33:22
Overall Status: PASS

Evaluation Code	Status
CE_ACT	PASS
CE_ALL	PASS
CE_ASP	PASS
CE_DDH	PASS
CE_FGE	PASS
CE_FIL	PASS
CE_GVE	PASS
CE_RDR	PASS
CE_TRU	PASS
CE_WGT	PASS

Return Code	Detailed Description

WDS WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Container: MD0504544A
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/05/2012
Waste Handling Code: CH
Disposal Date: 04/11/2013

TRAMPAC Evaluation Results
Evaluation Date: 12/05/2012 13:33:22 Overall Status: PASS

Details

Matrix Depleted Shipping Category:		Compliance Method:	ANALYTICAL
Decay Heat Limit (w):	0.2431663306451613	FGE Limit (g):	200
FGGR (mol/s):	6.948557972107304E-11	FGGR Limit (mol/s):	4.0322580645161294E-8
Volume Model:		Required Aspiration Time (days):	
Total Headspace VOCs (ppm):	75.68		
Packaging Configuration:	COMMON_PACKAGING 3	DAC Scenario:	3
Closure Time (days):	0	Minimum Closure Time Applied (days):	127
Sample-Vent Time (days):	20	Min Sample-Vent Time Applied (days):	19
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
12/05/2012 13:33:22	INSERT DATA INTO THE DATABASE	
12/05/2012 13:33:22	SUCCESSFUL SUBMISSION FOR CERT	
12/05/2012 13:34:10	APPROVED FOR CERT	
01/22/2013 11:39:21	ASSIGNED TO PAYLOAD	

DIVIDER

PAGE

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

SD00005621

(a 55 gal sludge container)

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and Reporting Characterization Data

CIS

Audit Purposes Only

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-SDD-HOM-B

Lot # 2

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR			Transportation
							Sample	Analysis		
SD00005611	SRLBC0447	SRSRTR0475	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3109
SD00005612	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005613	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005614	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005615	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3109
SD00005616	SRLBC0449	SRSRTR0478	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005617	SRLBC0447	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11015
SD00005618	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005619	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005620	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005621	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005622	SRLBC0459	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005623	SRLBC0459	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005624	SRLBC0459	SR4RTR0192	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005625	SRLBC0461	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11071
SD00005626	SRLBC0459	SRSRTR0480	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11016
SD00005627	SRLBC0461	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005628	SRLBC0461	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005629	SRLBC0459	SR4RTR0192	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005630	SRLBC0459	SRSRTR0480	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3118
SD00005631	SRLBC0461	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11018
SD00005632	SRLBC0467	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11087
SD00005633	SRLBC0461	SRSRTR0481	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11016
SD00005634	SRLBC0451	SRSRTR0479	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11014
SD00005635	SRLBC0459	SR4RTR0192	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11016
SD00005636	SRLBC0451	SRSRTR0479	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11014
SD00005638	SRLBC0456	SRSRTR0480	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005639	SRLBC0467	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11019
SD00005640	SRLBC0459	SR4RTR0192	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
[redacted]	SRLBC0459	SRSRTR0480	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11016
SD00005642	SRLBC0461	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11018
SD00005643	SRLBC0461	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11018
SD00005644	SRLBC0467	SR4RTR0192	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11017
SD00005645	SRLBC0461	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11071
SD00005646	SRLBC0461	SRSRTR0482	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11071

Signature of Site Project Manager

Joshua Houghton
Printed Name

12/19/2012
Date

CIS

Audit Purposes Only

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-SDD-HOM-B Lot # 2

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR			Transportation
							Sample	Analysis		
FCA080001	SRLBC0650	SR4RTR0222	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11001
FCA080001A	SRLBC0569	SRSRTR0540	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11005
FCA080003	SRLBC0708	SRSRTR0584	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11052
FCA080003A	SRLBC0604	SRSRTR0555	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11018
FCA080003B	SRLBC0719	SR4RTR0266	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG3035
FCA080004A	SRLBC0689	N/A	SRVEFW0354	N/A	N/A	No	N/A	N/A	N/A	SR12FG11016
FCA080005	SRLBC0721	SR4RTR0266	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG3035
FCA080005A	SRLBC0702	SRSRTR0586	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11052
FCA080006	SRLBC0449	SRSRTR0475	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080006A	SRLBC0447	SRSRTR0475	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080007	SRLBC0449	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080007A	SRLBC0447	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
FCA080008	SRLBC0721	SR4RTR0266	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG3035
FCA080008A	SRLBC0658	SRSRTR0561	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG3011
FCA080008B	SRLBC0719	SRSRTR0586	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11052
FCA080009	SRLBC0449	SRSRTR0475	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080009A	SRLBC0449	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080011	SRLBC0628	SR4RTR0222	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11005
FCA080012	SRLBC0449	SRSRTR0478	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCA080012A	SRLBC0449	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
FCAN06025A	SRLBC0546	SRSRTR0530	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3155
FCAN06035	SRLBC0712	SRLBR0043	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11080
FCAN06037	SRLBC0766	SRLBR0043	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11084
FCAN06038	SRLBC0866	SRLBR0068	N/A	N/A	N/A	No	N/A	N/A	N/A	SR12FG11123
FCAN06040	SRLBC0444	SR4RTR0190	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11015
SD00005599	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11015
SD00005600	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3109
SD00005601	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005602	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11015
SD00005603	SRLBC0447	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005604	SRLBC0447	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005605	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005606	SRLBC0447	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110
SD00005607	SRLBC0447	SRSRTR0475	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11015
SD00005608	SRLBC0445	SRSRTR0476	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG11013
SD00005609	SRLBC0447	SRSRTR0477	N/A	N/A	N/A	No	N/A	N/A	N/A	SR11FG3110

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP	Units	data	comments									initial	date
2	Shipper Site ID		[redacted]	Location ID	Dest Program ID	Shipping Purpose				SD00005621			CS/LU	12/21/12
3	Waste Stream Profile		SR-SDD-HOM-B	SR	WI	D							CS/LU	12/21/12
4	Container Number		SD00005621										CS/LU	12/21/12
5	Container Type		drum	drum, swb, tdop, etc., see WWIS labels for valid types.					U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	CS/LU	12/21/12
6	WAC Rev #		7.2						NULL	NULL	NULL	NULL	CS/LU	12/21/12
7	[redacted]							Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Ws:		
8	Cert Site		C1					Y	Y	Y	N	N	CS/LU	12/21/12
9	Cert Date		12/26/12											
10	Waste Handling Code		CH	CH, RH									CS/LU	12/21/12
11	Waste Type Code		MTRU	TRU, MTRU									CS/LU	12/21/12
12	Waste Stream BIR ID		NONE										CS/LU	12/21/12
13	Waste Stream MWIR ID		NONE										CS/LU	12/21/12
14	Generator Site ID		SR										CS/LU	12/21/12
15	IDC Code		NONE										CS/LU	12/21/12
16	Matrix Code		S3120										CS/LU	12/21/12
17	Trucon Code		SR127										CS/LU	12/21/12
18	Shipping Category		3001060487 CH 12/26/12	> 0.012 Watt-years	3003400481 CH 12/26/12								CS/LU	12/21/12
19	Tru Alpha Act	Ci	9.93E-01		9.929E-01									
20	Tru Alpha Act Uncert	1sigma Ci	1.05E-01	1.203E+00	Tru Alpha Act + 2sigma (Ci)								CS/LU	12/21/12
21	Tru Alpha Act Conc	nCi/g	2.98E+04		2.98E+04								CS/LU	12/21/12
22	[redacted]		3.16E+03	3.612E+04	Tru Alpha Act Conc + 2sigma (Ci)			Drum Weight	27.7				CS/LU	12/21/12
23	Pu239 Fiss Gm Eq	g	9.19E-01		9.207E-01								CS/LU	12/21/12
24	Pu239 Fiss Gm Eq Uncert	1sigma g	1.03E-01	1.125E+00	Pu239 Fiss Gm Eq + 2sigma (Ci)								CS/LU	12/21/12
25	Pu239 Eq Act	Ci	9.16E-01		9.159E-01								CS/LU	12/21/12
26	Decay Heat	watts	3.27E-02		3.274E-02								CS/LU	12/21/12
27	Decay Heat Uncert	1sigma watts	3.49E-03	3.62E-02	Decay Heat + 1sigma (watts)								CS/LU	12/21/12
28	Layers of Packaging		1										CS/LU	12/21/12
29	Fill Factor		75	percentage	Liner Lid Present								CS/LU	12/21/12
30	Liner Type			1 = plastic drum liner									CS/LU	12/21/12
31	Liner Punctured				Liner Hole Size								CS/LU	12/21/12
32	PCB Conc		NULL		(mm)		PCB Waste	PCB Mass (kg)	Out of Service				CS/LU	12/21/12
33	Closure Date		6/21/2006	Watt-years	Waste Gen Date		N	NULL	NULL				CS/LU	12/21/12
34	Vent Date		6/21/2006	0.213	NULL								CS/LU	12/21/12
35	Filter Install Date		[redacted]	[redacted]			Filter Reduction Date	NULL					CS/LU	12/21/12
36	Filter Manufacturer		NFT	NFT			Reduced Filter Model	NULL					CS/LU	12/21/12
37	[redacted]												CS/LU	12/21/12
38	Filter Model Number		NF307D	NF013									CS/LU	12/21/12
39	Number of Filters Installed		1	1									CS/LU	12/21/12
40	Aspiration Method ID		3										CS/LU	12/21/12
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.									
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date				Waste (kg)	Packaging (kg)	Total (kg)							
44	Gross Weight	kg	61	[redacted]	33.3	27.7	61.0						CS/LU	12/21/12
45	Gross Weight Uncert	1sigma kg	2.3										CS/LU	12/21/12
46	Alpha Surf Cont	dpm/100 cm^2	19	[redacted]									CS/LU	12/21/12
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199	[redacted]									CS/LU	12/21/12
48	Neutron Dose Rate	mrem/hr	0	[redacted]									CS/LU	12/21/12
49	Beta/Gamma Dose Rate	mrem/hr	1	[redacted]									CS/LU	12/21/12
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	CS/LU	12/21/12
51	Activity	Ci	2.47E-04	2.47E-04	-1.00E+00	1.60E-04	0.00E+00	3.12E-05	9.04E-01	-1.00E+00	5.70E-02	2.23E-02	CS/LU	12/21/12
52	Activity Uncert	1sigma Ci	1.25E-05	1.25E-05	-1.00E+00	1.86E-05	0.00E+00	1.62E-06	1.05E-01	-1.00E+00	6.48E-03	2.70E-03	CS/LU	12/21/12
53	Mass	grams	1.79E-06	2.81E-06	-1.00E+00	2.53E-02	0.00E+00	4.38E-02	5.23E-02	-1.00E+00	9.06E-01	9.70E-02		
54	Mass Uncert	1sigma grams	9.24E-08	1.45E-07	-1.00E+00	3.00E-03	0.00E+00	2.32E-03	6.19E-03	-1.00E+00	1.05E-01	1.20E-02		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	9.04E-01	0.00E+00	5.70E-02	2.23E-02		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-01	2.71E+04	0.00E+00	1.71E+03	6.70E+02		
57	calc Act	Ci	2.47E-04	2.47E-04	0.00E+00	1.60E-04	0.00E+00	3.12E-05	9.04E-01	0.00E+00	5.70E-02	2.23E-02		
58	calc Act Conc	nCi/g	7.42E+00	7.42E+00	0.00E+00	4.80E+00	0.00E+00	9.37E-01	2.71E+04	0.00E+00	1.71E+03	6.70E+02		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	5.90E-03	0.00E+00	9.06E-01	2.18E-03		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	8.22E-01	0.00E+00	5.70E-02	2.23E-02		
61	calc Decay Heat	watts	2.86E-07	2.73E-07	0.00E+00	4.61E-06	0.00E+00	9.15E-07	2.99E-02	0.00E+00	1.77E-03	6.94E-04		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	1.07E-01	0.00E+00	6.61E-03	2.76E-03		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-02	3.22E+03	0.00E+00	1.99E+02	8.27E+01		
64	uncert Act	Ci	1.28E-05	1.28E-05	0.00E+00	1.90E-05	0.00E+00	1.65E-06	1.07E-01	0.00E+00	6.61E-03	2.76E-03		
65	uncert Act Conc	nCi/g	3.83E-01	3.83E-01	0.00E+00	5.70E-01	0.00E+00	4.96E-02	3.22E+03	0.00E+00	1.99E+02	8.27E+01		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	7.00E-04	0.00E+00	1.05E-01	2.70E-04		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	9.55E-02	0.00E+00	6.48E-03	2.70E-03		
68	uncert Decay Heat	watts	1.48E-08	1.41E-08	0.00E+00	5.47E-07	0.00E+00	4.85E-08	3.55E-03	0.00E+00	2.05E-04	8.58E-05		
69	Shipping Calcs	1.85E+02	9.15E-05	1.83E-05	0.00E+00	5.93E-03	0.00E+00	5.77E-03	1.67E+02	0.00E+00	1.05E+01	4.12E+00		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	90.56%	0.00%	5.71%	2.23%		
71	Radionuclide		AM-241	PU-241	PU-242	CM-243	CO-60	EU-154	SB-125				CS/LU	12/21/12
72	Activity	Ci	9.57E-03	2.64E-01	2.61E-06	4.41E-06	9.61E-08	1.75E-06	2.47E-06				CS/LU	12/21/12
73	Activity Uncert	1sigma Ci	1.15E-03	3.38E-02	3.50E-07	7.33E-07	9.21E-09	1.04E-07	2.07E-07				CS/LU	12/21/12
74	Mass	grams	2.76E-03	2.54E-03	6.57E-04	8.45E-08	8.43E-11	6.55E-09	2.38E-09	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	3.38E-04	3.32E-04	9.00E-05	1.43E-08	8.24E-12	3.97E-10	2.03E-10	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	9.57E-03	0.00E+00	2.61E-06	4.41E-06	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	2.87E+02	0.00E+00	7.84E-02	1.32E-01	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
78	calc Act	Ci	9.57E-03	2.64E-01	2.61E-06	4.41E-06	9.61E-08	1.75E-06	2.47E-06	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	2.87E+02	7.93E+03	7.84E-02	1.32E-01	2.89E-03	5.26E-02	7.42E-02	NULL	NULL	NULL		
80	calc Pu239 FGE	g	5.16E-05	5.71E-03	4.93E-06	4.22E-07	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	9.57E-03	5.18E-03	2.37E-06	3.03E-06	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
82	calc Decay Heat	watts	3.20E-04	8.40E-06	7.69E-08	1.61E-07	1.48E-09	1.57E-08	7.77E-09	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	1.17E-03	0.00E+00	3.57E-07	7.48E-07	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	3.52E+01	0.00E+00	1.07E-02	2.25E-02	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
85	uncert Act	Ci	1.17E-03	3.45E-02	3.57E-07	7.48E-07	9.40E-09	1.06E-07	2.11E-07	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	3.52E+01	1.04E+03	1.07E-02	2.25E-02	2.82E-04	3.19E-03	6.34E-03	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	6.32E-06	7.46E-04	6.75E-07	7.16E-08	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	1.15E-03	6.63E-04	3.18E-07	5.03E-07	0.00E+00	0.00E+00	0.00E+00	NULL	NULL	NULL		
89	uncert Decay Heat	watts	3.92E-05	1.10E-06	1.05E-08	2.72E-08	1.45E-10	9.50E-10	6.64E-10	NULL	NULL	NULL		
90	Shipping Calcs		1.77E+00	9.78E-01	4.82E-04	5.44E-04	8.90E-09	1.30E-07	1.02E-07	NULL	NULL	NULL		
91	49CFR173.433f		0.96%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%	NULL	NULL	NULL		
92	Waste Material Parameter		IM	OI	C	PW	IS						CS/LU	12/21/12
93	Wgt of Mat Parms	kg	3.6	0.2	1.7	1	26.8						CS/LU	12/21/12
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									CS/LU	12/21/12
95	Data Package Number		SRLBC0445										CS/LU	12/21/12
96	Assay Date		8/9/2011										CS/LU	12/21/12
97	Charz Method ID		1RR3	RTRM, VISUAL									CS/LU	12/21/12
98	Data Package Number		SRSRTR0476										CS/LU	12/21/12
99	Charz Method Date		8/8/2011										CS/LU	12/21/12
100	Haz Codes		D004	D005	D006	D007	D008	D009	D010	D011			CS/LU	12/21/12
101	Haz Codes												CS/LU	12/21/12
102	Haz Codes												CS/LU	12/21/12
103	Haz Codes													
104	Sample ID	Headspace Gas H/M	H-SD00005621										CS/LU	12/21/12
105	Sample Type		HGHM-T	HGHM									CS/LU	12/21/12
106	Layer No. Sampled		0		238.39								CS/LU	12/21/12
107	Date Sampled		8/15/2011			Sample Site							CS/LU	12/21/12
108	Method ID		1HG2	DTP-1.2-041		C1							CS/LU	12/21/12
109	Data Package Number		SR11FG11013										CS/LU	12/21/12
110	CAS #		1333-74-0	74-82-8										
111	Analyte		HYDROGEN	METHANE									CS/LU	12/21/12
112	Concentration				87.36	~~151.03~~ 2.18							CS/LU	12/21/12
113	units	%vol			PPMV	PPMV							CS/LU	12/21/12
114	Date Analyzed		08/15/11	8/15/2011		2.5%= 2.18							CS/LU	12/21/12
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag													
119	U Detectable Flag		U	U									CS/LU	12/21/12
120	NA Detectable Flag													
121	Methanol Sample ID		1HG2											
122	Sample ID	Headspace Gas VOC	SD00005621										CS/LU	12/21/12
123	Sample Type		HGVO-T	HGVO									CS/LU	12/21/12
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv)		44.98					CS/LU	12/21/12
125	Date Sampled		8/15/2011										CS/LU	12/21/12
126	Method ID		1HG2	DTP-1.2-041									CS/LU	12/21/12
127	Data Package Number		SR11FG11013										CS/LU	12/21/12

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
126														
129	CAS #		67-56-1	60-29-7	75-35-4	67-64-1	75-34-3	156-59-2	78-93-3	110-82-7				
130	Analyte		Methanol	Ethyl ether	1,1-Dichloroethylene	Acetone	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Methyl ethyl ketone	Cyclohexane			CS/LU	12/21/12
131	Concentration		32.97	0.68	4.82	8.87	3.52	0.48	4.32	3.23			CS/LU	12/21/12
132	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			CS/LU	12/21/12
133	Date Analyzed		8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011			CS/LU	12/21/12
134	B Detectable Flag													
135	D Detectable Flag													
136	E Detectable Flag													
137	J Detectable Flag													
138	U Detectable Flag		U	U	U		U	U	U	U			CS/LU	12/21/12
139	NA Detectable Flag					NA								
140	SARP-Flammable Calc		16.485	0.34	2.41	8.87	1.76	0.24	2.16	1.615				
141	CAS #		71-43-2	107-06-2	71-36-3	108-10-1	108-88-3	108-90-7	100-41-4	108383/106423				
142	Analyte		Benzene	1,2-Dichloroethane	Butanol	Methyl isobutyl ketone	Toluene	Chlorobenzene	Ethyl benzene	m-Xylene/p-Xylene			CS/LU	12/21/12
143	Concentration		0.63	2.21	1.27	3.90	5.51	0.51	0.73	0.46			CS/LU	12/21/12
144	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			CS/LU	12/21/12
145	Date Analyzed		8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011	8/15/2011			CS/LU	12/21/12
146	B Detectable Flag													
147	D Detectable Flag													
148	E Detectable Flag													
149	J Detectable Flag													
150	U Detectable Flag		U	U	U	U		U	U	U			CS/LU	12/21/12
151	NA Detectable Flag						NA							
152	SARP-Flammable Calc		0.315	1.105	0.635	1.95	5.51	0.255	0.365	0.23				
153	CAS #		95-47-6	108-67-8	95-63-6									
154	Analyte		o-Xylene	1,3,5-Trimethylbenzen	1,2,4-Trimethylbenzen	NULL	NULL	NULL	NULL	NULL			CS/LU	12/21/12
155	Concentration		0.31	0.55	0.61								CS/LU	12/21/12
156	units	ppmv	ppmv	ppmv	ppmv								CS/LU	12/21/12
157	Date Analyzed		8/15/2011	8/15/2011	8/15/2011	NULL	NULL	NULL	NULL	NULL			CS/LU	12/21/12
158	B Detectable Flag												CS/LU	12/21/12
159	D Detectable Flag													
160	E Detectable Flag													
161	J Detectable Flag													
162	U Detectable Flag		U	U	U									
163	NA Detectable Flag					NA	NA	NA	NA	NA			CS/LU	12/21/12
164	SARP-Flammable Calc		0.155	0.275	0.305	NULL	NULL	NULL	NULL	NULL				
165	CAS #													
166	Analyte		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
167	Concentration													
168	units	ppmv												
169	Date Analyzed		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
170	B Detectable Flag													
171	D Detectable Flag													
172	E Detectable Flag													
173	J Detectable Flag													
174	U Detectable Flag													
175	NA Detectable Flag		NA	NA	NA	NA	NA	NA	NA	NA				
176	SARP-Flammable Calc		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
177	CAS #													
178	Analyte		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
179	Concentration													
180	units	ppmv												
181	Date Analyzed		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
182	B Detectable Flag													
183	D Detectable Flag													
184	E Detectable Flag													
185	J Detectable Flag													
186	U Detectable Flag													
187	NA Detectable Flag		NA	NA	NA	NA	NA	NA	NA	NA				
188	SARP-Flammable Calc		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
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	A	B	C	D
189			type	comment
190	Comment			
191	Comment			
192	Comment			
193	Comment			
194	Comment			
195	Comment			
196	Comment			
197	Comment			
198	Comment			
199	Comment			
200				
201			Requirements Met?	
202	Free liquids <1% by volume		YES	
203	No non-rad. pyrophorics		YES	
204	Chemical compatability		YES	
205	No explosives		YES	
206	No corrosives		YES	
207	No pressurized containers		YES	
208	No sealed Containers >4 liters		YES	
209	Liner punctured/ filtered		YES	
210	Flammable VOCs <500ppmv			
211	Container is in Approved Waste Stream Profile Form?	SR-SDD-HOM-B	YES	
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.		NO	
213				
214				
215				
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235				

H. Hensley
ECP Certification Official

12/26/12
Date

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Addendum #7, SCO #1065
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Kirkes, Creta - NWP NCR Check Audit Purposes Only

From: Jones, Laura - NWP
Sent: Thursday, December 20, 2012 3:48 PM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP; Underwood, Luann - NWP
Cc: Walker, Mak (Maryann) - NWP
Subject: FW: NCR/CAR CHECK FOR SRS AK13 SR-SDD-HOM-B LOT 2
Attachments: Copy of NCR_BDR_CONTAINER_CHECK_SRS AK13 SR-SDD-HOM-B LOT 2..xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks,

Laura R. Jones
Quality Assurance
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

From: Underwood, Luann - NWP
Sent: Thursday, December 20, 2012 2:52 PM
To: Jones, Laura - NWP; Walker, Mak (Maryann) - NWP
Cc: Underwood, Luann - NWP
Subject: NCR/CAR CHECK FOR SRS AK13 SR-SDD-HOM-B LOT 2

PLEASE DO A NCR/CAR CHECK FOR SRS AK13 SR-SDD-HOM-B LOT 2.

THANKS,

Luann Underwood
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
(575) 234-7505
luann.underwood@wipp.ws

NDA 2000 Assay Report

Item Information

Item ID:	SD00005621	Count Sequence Number:	8146		
Operator:	TSD-0E7560E083C\Operator				
Assay Start:	8/9/2011 3:55:08 AM				
Description 1:	SRLBC0445				
Description 2:	N/A				
Location:	SRS, E Area				
Comment:	N/A				
Matrix Type:	Debris				
Container Type:	55 US Gal. Drum				
Weight:	Gross:	33.3	kg	Net:	33.3 kg
Container:	Volume:	208.0	l	Full:	75.0 %
Density:		0.210 kg /l			

System Configuration

Counter:	WSRS Box Counter		
Segments:	Number: 2	Offset:	0
Count Type:	Assay - Item Count I (w/		
Collimator/Geometry Setting:	Default Geometry - 0		
Transmission Mode:	Two Pass		
Transmission Correction Type:	Standard		
Transmission Source:	Attenuators Clos - 0		

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	8146	Batch Number:	SRLBC0445
Assay Instrument:	WSRS Box Counter	Location:	SRS, E Area
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	SD00005621	Analysis Date:	8/9/2011

Net Weight	33300.0 g	
Pu mass	1.06E+000 +-	1.04E-001 g
TRU Alpha Activity	9.93E-001 +-	1.05E-001 Ci
TRU Activity Concentration	2.98E+004 +-	3.16E+003 nCi/g
Pu-239 Equivalent Activity	9.16E-001 +-	9.58E-002 Ci
Pu-239 FGE	9.19E-001 +-	1.03E-001 g
Decay heat	3.27E-002 +-	3.49E-003 W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
CO60	8.43E-011	9.61E-008	9.21E-009	2.39E-009
SR90	1.79E-006	2.47E-004	1.25E-005	0.00E+000
SB125	2.38E-009	2.47E-006	2.07E-007	8.33E-007
CS137	2.80E-006	2.47E-004	1.25E-005	5.28E-007
EU154	6.54E-009	1.75E-006	1.04E-007	3.01E-007
U233	<LLD	<LLD	0.00E+000	1.50E-003
U234	2.53E-002	1.60E-004	1.86E-005	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	2.06E-007
NP237	4.38E-002	3.12E-005	1.62E-006	1.20E-006
PU238	5.23E-002	9.04E-001	1.05E-001	4.11E-002
U238	<LLD	<LLD	0.00E+000	4.81E-006
PU239	9.07E-001	5.70E-002	6.48E-003	2.59E-003
PU240	9.70E-002	2.23E-002	2.70E-003	1.01E-003
AM241	2.76E-003	9.57E-003	1.15E-003	4.35E-004
PU241	2.54E-003	2.64E-001	3.38E-002	1.20E-002
PU242	6.58E-004	2.61E-006	3.50E-007	0.00E+000
CM243	8.44E-008	4.41E-006	7.33E-007	8.55E-007

Errors quoted at 1.000 sigma

Operator: Adam Gallegos Date: 8.25.11

ITR: **Blake Brashears** Date: 8-25-11

Automated Independent Technical Review

Count Sequence Number: 8146
Counter ID: WSRS Box Counter
Container ID: SD00005621
Waste Matrix Code: N/A
Sequence Type:

Batch Number: SRLBC0445
Count Type:
Assay Date: 8/9/2011

Comments	Disposition
Section 1 - Add-A-Source Analysis No Add-a-Source warnings.	OK. No changes.
Section 2 - Passive Neutron Analysis Analysis Status: No errors.	Passive neutron non-truncated CRR results are acceptable. No changes.
No Warnings Reported.	OK. No changes.
Section 4 - MGA Analysis Results are marked as invalid.	FRAM 4.4 Isotopics Program used on PROC00AI spectrum to determine isotopics results. Use FRAM calculated isotopics results as default isotopics information for this item. Use new results.
Section 5 - Gamma Analysis Analysis Status: No errors.	Gamma Spectra reviewed. OK. No changes.
Miscellaneous Elevated Pu-238 observed in PROC00AI spectrum.	Refits performed at 153 and 766 keV in PROC00AI spectrum. Use new results.

Comments	Disposition
Miscellaneous Elevated Pu-239 observed in PROC00AI Spectrum.	Refits performed at 129 and 414 keV in PROC00AI Spectrum. Use new results.
Miscellaneous Slightly elevated Am-241 observed in PROC00AI spectrum.	Refits performed at 125 keV in PROC00AI spectrum. Use new results.
Miscellaneous Slightly elevated Np-237 observed in PROC00AI spectrum.	Refits performed at 300 and 312 keV in PROC00AI spectrum. Use new results.
Miscellaneous Slightly elevated Pu-241 observed in PROC00AI Spectrum.	Refits performed at 148 keV and 208 keV in PROC00AI Spectrum. Use new results.
Miscellaneous Slightly elevated Cm-243 observed in PROC00AI spectrum.	Refits performed at 209, 228, 277, and 285 keV in PROC00AI spectrum. Use new results.
Miscellaneous Slightly elevated Eu-154 observed in PROC00AI spectrum.	Refits performed at 123, 248, 723, 873, 996, 1004, and 1274 keV in PROC00AI Spectrum. Use new results.
Miscellaneous Slightly elevated Sb-125 observed in PROC00AI spectrum.	Refits performed at 463, 601, and 636 keV PROC00AI Spectrum. Use new results.

Comments	Disposition
Miscellaneous Slightly elevated Co-60 observed in PROC00AI spectrum.	Refits performed at 1173 and 1332 keV in PROC00AI spectrum. Use new results.
Miscellaneous Potential Cs-137 presence observed in PROC00AI spectrum.	Refits performed at 662 and 722 keV in PROC00AI Spectrum. Use new results.
Miscellaneous No additional radionuclides are identified that contribute to 95 % of the radiological hazard.	Ok. No changes.

Expert Review by: Daniel Remington Date: 8/24/2011

Daniel Remington

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRSRTR0476
Examination Date:	08/08/11
Waste Container ID:	SD00005621
Video/Audio Recorded Media Number:	SRSRTR0476 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 127/227
Waste Matrix Code:	S3120
Waste Stream I.D.:	SR-SDD-HOM-B
Waste Container Weights:	Gross Wt: 61.0 kg. Tare Wt: 27.7 kg. Net Wt: 33.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SD00005621

Section 3: Container Inventory and Comments (Detailed descriptions)
Open metal buckets
Absorbent
Piece of wood
Plastic bags
Solidified material (Sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	3.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.2
Cellulosics (C):	1.7
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	26.8
Soils (S):	
Total WMP Weight:	33.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SD00005621 Page 3 of 3

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1.)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		08/08/11
Print Name	Signature	Date

Attachment 4 – Flammable Gas Analysis Form

Waste Container ID: **SD00005621**

Sampling Date: **8/15/2011**

BDR Number: **SR11FG11013**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	87.36	U
74-82-8	Methane	151.03	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.87	
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	5.51	
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	0.46	U
95-47-6	o-Xylene	0.31	U
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Attachment 1 – Sample Container Data Form

BDR Number: SR11FG11013

Waste Container ID		8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	FCA080009	NUCFIL-019DS	1.85E-05	3	9/2/2008	9/2/2008	44	1077	Y
2	FCA080006	NUCFIL-019DS	1.85E-05	3	8/26/2008	8/26/2008	44	1084	Y
3	FCA080006A	NUCFIL-019DS	1.85E-05	3	8/26/2008	8/26/2008	44	1084	Y
4	FCA080012A	NUCFIL-019DS	1.85E-05	3	9/2/2008	9/2/2008	44	1077	Y
5	FCA080009A	NUCFIL-019DS	1.85E-05	3	9/2/2008	9/2/2008	44	1077	Y
6	FCA080007	NUCFIL-019DS	1.85E-05	3	8/27/2008	8/27/2008	44	1083	Y
7	FCA080012	NUCFIL-019DS	1.85E-05	3	9/2/2008	9/2/2008	44	1077	Y
8	SDD076239	NUCFIL-019DS	1.85E-05	3	11/21/2006	11/21/2006	95	1728	Y
9	SD00005605	NUCFIL-307DS	3.70E-06	3	6/17/2006	6/17/2006	16	1885	Y
10	SD00005614	NUCFIL-307DS	3.70E-06	3	6/19/2006	6/19/2006	16	1883	Y
11	SD00005621	NUCFIL-307DS	3.70E-06	3	6/21/2006	6/21/2006	16	1881	Y
12	SD00005620	NUCFIL-307DS	3.70E-06	3	6/21/2006	6/21/2006	16	1881	Y
13	SD00005618	NUCFIL-307DS	3.70E-06	3	6/20/2006	6/20/2006	16	1882	Y
14	SD00005616	NUCFIL-307DS	3.70E-06	3	6/20/2006	6/20/2006	16	1882	Y
15	SD00005610	NUCFIL-307DS	3.70E-06	3	6/19/2006	6/19/2006	16	1883	Y
16	SD00005608	NUCFIL-307DS	3.70E-06	3	6/17/2006	6/17/2006	16	1885	Y
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Operator: James Adams
Printed Name

Signature

8/15/11
Date

024

Attachment 6 - Multiple Filter Sheet

BDR Number: SR11FG11013

	Container ID	Filter Model Number and Quanitity()
1	SD00005605	NucFil-013 (1)
2	SD00005614	NucFil-013 (1)
3	SD00005621	NucFil-013 (1)
4	SD00005620	NucFil-013 (1)
5	SD00005618	NucFil-013 (1)
6	SD00005616	NucFil-013 (1)
7	SD00005610	NucFil-013 (1)
8	SD00005608	NucFil-013 (1)

DRUM SURVEY LOGSHEET

8/8/2011 (INSE

sd00005615	2	ND	1	ND	ND	ND	<20	<200
sd00005613	1	ND	.5	ND	ND	ND	<20	<200
sd00005600	4	ND	1.5	ND	ND	ND	<20	<200
sd00005601	1	ND	.5	ND	ND	ND	<20	<200
sd00005599	5	ND	2	ND	ND	ND	<20	<200
sr60686111	ND	ND	ND	ND	ND	ND	<20	<200
md31033605	ND	ND	ND	ND	ND	ND	<20	<200
sd00005605	1	ND	ND	ND	ND	ND	<20	<200
sd00005612	1	ND	ND	ND	ND	ND	<20	<200
fcan06040	ND	ND	ND	ND	ND	ND	<20	<200
sr61016507	ND	ND	ND	ND	ND	ND	<20	<200
sd00005602	1	ND	.5	ND	ND	ND	<20	<200
sd00005621	1	ND	.5	ND	ND	ND	<20	<200
sd00005614	1	ND	.5	ND	ND	ND	<20	<200
SD00005608	1	ND	.5	ND	ND	ND	<20	<200
SD00005604	1	ND	.5	ND	ND	ND	<20	<200
SD00005619	1	ND	.5	ND	ND	ND	<20	<200
SD00005620	2	ND	1	ND	ND	ND	<20	<200
MD31033604	ND	ND	ND	ND	ND	ND	<20	<200
sd00005618	.5	ND	ND	ND	ND	ND	<20	<200

No further survey MC 8/10/11

SWMS-M1-20110808-37

16 OF 16

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WDS
WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:47 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**9**

Selection Criteria

Container Number: **SD00005621**

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

Current Location Site: WI
Generator Site: SR
Destination Site ID: WI

Certification Program ID: C1
Shipping Program ID: C1

Neutron Dose Rate (mrem/hr): 0.0
Beta Gamma Dose Rate (mrem/hr): 1.0
Total Dose Rate (mrem/hr): 1.0

FGE (g): 9.19E-01
FGE Uncertainty (g): 1.03E-01

Gross Weight (kg): 61.00
Gross Weight Uncert (kg): 2.30

Decay Heat (W): 3.27E-02
Decay Heat Uncertainty (W): 3.49E-03

Shipment Data

Payload ID: **SR1923** Assembly ID: SR125382 Payload Complete? Y
Shipment Number: SR130005 Send Date: 04/01/2013 Receipt Date: 04/02/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location

Panel: 6 Room: 3
Row: 55 Column: 3 Height: B

Certification Data Values

Waste Stream Profile Code: SR-SDD-HOM-B
Waste Type Code: MTRU
IDC Code: NONE
Waste Matrix Code: S3120
WAC Revision Number: 7.2
Fill Factor (%): 75.00
Waste Stream BIR ID: NONE
Waste Stream MWIR ID: NONE

TRU Alpha Activity (Ci): 9.93E-01
TRU Alpha Activity Uncertainty (Ci): 1.05E-01
TRU Alpha Activity Concentration (Ci/g): 2.98E-05
PU-239 Equivalent Activity (PE-Ci): 9.16E-01
Alpha Surface Contamination (dpm/cm^2): 19.0
Beta/Gamma Surface Contamination (dpm/cm^2): 199.0

Transportation Data Values

Closure Date: 06/21/2006
Vent Date: 06/21/2006
Process Knowledge? N

TRUCON Code: SR127C
Shipping Category: 3003400481
Aspiration Method: 3

Shipment Purpose: DISPOSAL
Machine Compacted? N
Liner Exists? N
Liner Hole Size(mm):
Liner Lid Present?
Layers of Packaging 1
Aqueous Material? N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: SD00005621
Type: 1 - 55 gal

Current Status:
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

PCB Waste?	N
PCB Mass (kg):	
PCB Concentration (ppm):	
PCB Out of Service Date:	
Be Present?	Y
Be <= 1% by weight?	Y
Be mass <= 100kg?	Y
Separation OK?	
Packing Fraction (compaction level):	non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF013	3.7E-06	1	06/21/2006
NF307D	3.7E-06	1	06/21/2006

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	9.570E-03	1.150E-03	2.758E-03	3.382E-04
CM-243	4.410E-06	7.330E-07	8.448E-08	1.433E-08
CO-60	9.610E-08	9.210E-09	8.430E-11	8.244E-12
CS-137	2.470E-04	1.250E-05	2.807E-06	1.449E-07
EU-154	1.750E-06	1.040E-07	6.554E-09	3.975E-10
NP-237	3.120E-05	1.620E-06	4.376E-02	2.318E-03
PU-238	9.040E-01	1.050E-01	5.225E-02	6.193E-03
PU-239	5.700E-02	6.480E-03	9.062E-01	1.051E-01
PU-240	2.230E-02	2.700E-03	9.696E-02	1.198E-02
PU-241	2.640E-01	3.380E-02	2.538E-03	3.316E-04
PU-242	2.610E-06	3.500E-07	6.574E-04	8.996E-05
SB-125	2.470E-06	2.070E-07	2.375E-09	2.031E-10

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
SR-90	2.470E-04	1.250E-05	1.790E-06	9.243E-08
U-233	<LLD	<LLD	<LLD	<LLD
U-234	1.600E-04	1.860E-05	2.532E-02	3.003E-03
U-235	.000E00	.000E00	.000E00	.000E00
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-SD00005621	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	08/15/2011	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	87.36	08/15/2011	1HG2	U
74-82-8	METHANE	2.18	08/15/2011	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SD00005621	HGVO-T	HEADSPACE GAS VOC	08/15/2011	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.73	08/15/2011	1HG2	U
107-06-2	1,2-DICHLOROETHANE	2.21	08/15/2011	1HG2	U
108-10-1	METHYL ISOBUTYL KETONE	3.9	08/15/2011	1HG2	U

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SD00005621	HGVO-T	HEADSPACE GAS VOC	08/15/2011	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
108-67-8	1,3,5-TRIMETHYLBENZENE	0.55	08/15/2011	1HG2	U
108-88-3	TOLUENE	5.51	08/15/2011	1HG2	NA
108-90-7	CHLOROBENZENE	0.51	08/15/2011	1HG2	U
108383/106423	M,P-XYLENE	0.46	08/15/2011	1HG2	U
110-82-7	CYCLOHEXANE	3.23	08/15/2011	1HG2	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.48	08/15/2011	1HG2	U
60-29-7	ETHYL ETHER	0.68	08/15/2011	1HG2	U
67-56-1	METHANOL	32.97	08/15/2011	1HG2	U
67-64-1	ACETONE	8.87	08/15/2011	1HG2	NA
71-36-3	BUTANOL	1.27	08/15/2011	1HG2	U
71-43-2	BENZENE	0.63	08/15/2011	1HG2	U
75-34-3	1,1-DICHLOROETHANE	3.52	08/15/2011	1HG2	U
75-35-4	1,1-DICHLOROETHYLENE	4.82	08/15/2011	1HG2	U
78-93-3	METHYL ETHYL KETONE	4.32	08/15/2011	1HG2	U
95-47-6	O-XYLENE	0.31	08/15/2011	1HG2	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.61	08/15/2011	1HG2	U

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

Material Parameters

Material Parameter	Description	Weight (kg)
1	IRON BASE METAL ALLOYS	3.60
4	OTHER INORGANIC MATERIALS	0.20
6	CELLULOSICS	1.70
8	PLASTICS	1.00
9	SOLIDIFIED INORGANIC MATERIAL	26.80
13	STEEL CONTAINER MATERIALS	27.70
	Waste Weight:	33.30
	Packaging Weight:	27.70
	Total Material Weight:	61.00

Hazardous Codes

Hazardous Code	Description
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER

Assay Methods

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	08/09/2011

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1RR3	PAD 15 RTR: MARIETTA X-RAY	08/08/2011

Edit Limit Check Results
Evaluation Date: 12/26/2012 09:58:32 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		
DI_CERT_CERT	PASS		
DI_CERT_CHARZ	PASS		
DI_CERT_ED	PASS		
DI_CERT_EPA	PASS		
DI_CERT_PCB	PASS		
DI_CERT_PERC	PASS		
DI_CERT_TRAMPAC	PASS		
DSA	PASS		
WAC	PASS		
WAP_CERT	PASS		

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

TRAMPAC Evaluation Results
Evaluation Date: 12/26/2012 09:58:33 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
CE_ACT	PASS		
CE_ALL	PASS		
CE_ASP	PASS		
CE_DDH	PASS		
CE_FGE	PASS		
CE_FIL	PASS		
CE_GVE	PASS		
CE_RDR	PASS		
CE_TRU	PASS		
CE_WGT	PASS		

Details

Matrix Depleted Shipping Category:	3001090481	Compliance Method:	MEASUREMENT
Decay Heat Limit (w):	0.02949993885288003	FGE Limit (g):	200
FGGR (mol/s):	1.181057630975243E-9	FGGR Limit (mol/s):	1.0395010395010395E-8
Volume Model:	3	Required Aspiration Time (days):	
Total Headspace VOCs (ppm):	75.58		
Packaging Configuration:	COMMON_PACKAGING 2	DAC Scenario:	3
Closure Time (days):	0	Minimum Closure Time Applied (days):	53
Sample-Vent Time (days):	1881	Min Sample-Vent Time Applied (days):	11
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
12/26/2012 09:58:34	INSERT DATA INTO THE DATABASE	

Container: SD00005621
Type: 1 - 55 gal

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/26/2012
Waste Handling Code: CH
Disposal Date: 04/04/2013

History

Event Date/Time	Event Description	Reason
12/26/2012 09:58:34	SUCCESSFUL SUBMISSION FOR CERT	
12/26/2012 10:03:41	APPROVED FOR CERT	
01/22/2013 11:36:59	ASSIGNED TO PAYLOAD	

DIVIDER

PAGE

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

SR503978

(a SLB2 debris container)

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and Reporting Characterization Data

CIS

Audit Purposes Only

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream # SR-W027-773A-HET Lot # 82

Container ID Number	NDA BDR	RTR BDR	VE BDR	HSG Sampling BDR	HSG Analytical BDR	Load Management/ Overpack Yes	Transportation /Headspace Gas BDR
SR503076	SRLBC0699	SRLBR0042	N/A	N/A	SRHSG1228	ECL12046M	SR12FG11077
SR98042	SRLBC0771	SRRTR1638	N/A	N/A	050405A1	N/A	SR12FG11141

Signature of Site Project Manager

Roger Whiteaker
Printed Name

12/19/2012
Date

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**WDS Master Template.xls Rev. 7 Addendum #7, SCO #1065 Excel 2003/2007 Microsoft Windows XP**	**Units**	**data**										**initial**	**date**
2	Shipper Site ID		C1	Location ID	Dest Program ID	Shipping Purpose		**comments**						
3	Waste Stream Profile		SR-W027-773A-HET	SR	WI	D						**SR503978**	LU/CS	12/20/12
4	Container Number		SR503978										LU/CS	12/20/12
5	Container Type		SLB2	drum, swb, tdop, etc., see WWIS labels for valid types.									LU/CS	12/20/12
6	WAC Rev #		7.2						U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period	LU/CS	12/20/12
7	[redacted]								NULL	NULL	NULL	NULL	LU/CS	12/20/12
8	Cert Site		C1					Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst		
9	Cert Date		12/20/12					Y	Y	Y	N	N	LU/CS	12/20/12
10	Waste Handling Code		CH	CH, RH										
11	Waste Type Code		MTRU	TRU, MTRU									LU/CS	12/20/12
12	Waste Stream BIR ID		W027773AHET										LU/CS	12/20/12
13	Waste Stream MWIR ID		NONE										LU/CS	12/20/12
14	Generator Site ID		SR										LU/CS	12/20/12
15	IDC Code		001										LU/CS	12/20/12
16	Matrix Code		S5400										LU/CS	12/20/12
17	Trucon Code		SR425A										LU/CS	12/20/12
18	Shipping Category		23	> 0.012 Watt-years									LU/CS	12/20/12
19	Tru Alpha Act	Ci	8.01E+01				8.006E+01							
20	Tru Alpha Act Uncert	1sigma Ci	1.55E+01	1.111E+02	Tru Alpha Act + 2sigma (Ci)									
21	Tru Alpha Act Conc	nCi/g	3.84E+05				3.84E+05							
22	[redacted]		7.45E+04	5.330E+05	Tru Alpha Act Conc + 2sigma (Ci)									
23	Pu239 Fiss Gm Eq	g	1.32E+01				1.321E+01							
24	Pu239 Fiss Gm Eq Uncert	1sigma g	2.48E+00	1.816E+01	Pu239 Fiss Gm Eq + 2sigma (Ci)									
25	Pu239 Eq Act	Ci	7.30E+01				7.293E+01							
26	Decay Heat	watts	2.65E+00				2.650E+00							
27	Decay Heat Uncert	1sigma watts	5.14E-01	3.16E+00	Decay Heat + 1sigma (watts)									
28	Layers of Packaging		1											
29	Fill Factor		50	percentage	Liner Lid Present									
30	Liner Type			1 = plastic drum liner										
31	Liner Punctured				Liner Hole Size (mm)									
32	PCB Conc		NULL						PCB Waste	PCB Mass (kg)	Out of Service			
33	Closure Date		~~3/13/2012~~	Watt-years	Waste Gen Date				N	NULL	NULL			
34	Vent Date		~~3/13/2012~~	2.047	~~NULL~~ 6/11/12									
35	Filter Install Date		~~3/13/2012~~	1/2/1900	NFT									
36	Filter Manufacturer		NFT	NFT										
37	[redacted]													
38	Filter Model Number		NF013	NF016S										
39	Number of Filters Installed		4	4										
40	Aspiration Method ID		3											
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.									
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date													
44	Gross Weight	kg	1433		Waste (kg)	Packaging (kg)	Total (kg)							
45	Gross Weight Uncert	1sigma kg	2.3		208.3	1224.7	1433.0							
46	Alpha Surf Cont	dpm/100 cm^2	19											
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199											
48	Neutron Dose Rate	mrem/hr	0											
49	Beta/Gamma Dose Rate	mrem/hr	0.1											
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240		
51	Activity	Ci	6.42E-06	6.42E-06	-1.00E+00	1.40E-02	0.00E+00	1.33E-04	7.89E+01	-1.00E+00	7.95E-01	6.72E-03	LU/CS	12/20/12
52	Activity Uncert	1sigma Ci	3.41E-07	3.41E-07	-1.00E+00	1.74E-03	0.00E+00	6.72E-06	1.55E+01	-1.00E+00	1.56E-01	1.32E-03	LU/CS	12/20/12
53	Mass	grams	4.65E-08	7.30E-08	-1.00E+00	2.22E+00	0.00E+00	1.87E-01	4.56E+00	-1.00E+00	1.26E+01	2.92E-02	LU/CS	12/20/12
54	Mass Uncert	1sigma grams	2.52E-09	3.95E-09	-1.00E+00	2.81E-01	0.00E+00	9.62E-03	9.14E-01	-1.00E+00	2.53E+00	5.86E-03		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	7.89E+01	0.00E+00	7.95E-01	6.72E-03		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	3.79E+05	0.00E+00	3.82E+03	3.23E+01		
57	calc Act	Ci	6.42E-06	6.42E-06	0.00E+00	1.40E-02	0.00E+00	1.33E-04	7.89E+01	0.00E+00	7.95E-01	6.72E-03		
58	calc Act Conc	nCi/g	3.08E-02	3.08E-02	0.00E+00	6.72E+01	0.00E+00	6.39E-01	3.79E+05	0.00E+00	3.82E+03	3.23E+01		

[redacted]

Box Weight	1224.7

Filter Reduction Date: ~~NULL~~ ~~3/13/12~~ 6/11/12 clk 12/20/12
Reduced Filter Model: ~~NULL~~ ~~NF013~~ NF016S clk 12/20/12

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.15E-01	0.00E+00	1.26E+01	6.57E-04		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	7.17E+01	0.00E+00	7.95E-01	6.72E-03		
61	calc Decay Heat	watts	7.44E-09	7.11E-09	0.00E+00	4.03E-04	0.00E+00	3.90E-06	2.61E+00	0.00E+00	2.46E-02	2.09E-04		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	1.58E+01	0.00E+00	1.59E-01	1.35E-03		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-02	7.59E+04	0.00E+00	7.64E+02	6.47E+00		
64	uncert Act	Ci	3.48E-07	3.48E-07	0.00E+00	1.78E-03	0.00E+00	6.86E-06	1.58E+01	0.00E+00	1.59E-01	1.35E-03		
65	uncert Act Conc	nCi/g	1.67E-03	1.67E-03	0.00E+00	8.52E+00	0.00E+00	3.29E-02	7.59E+04	0.00E+00	7.64E+02	6.47E+00		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	1.03E-01	0.00E+00	2.53E+00	1.32E-04		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-06	1.41E+01	0.00E+00	1.56E-01	1.32E-03		
68	uncert Decay Heat	watts	4.03E-10	3.85E-10	0.00E+00	5.11E-05	0.00E+00	2.01E-07	5.24E-01	0.00E+00	4.93E-03	4.19E-05		
69	Shipping Calcs	1.48E+04	2.38E-06	4.76E-07	0.00E+00	5.19E-01	0.00E+00	2.46E-02	1.46E+04	0.00E+00	1.47E+02	1.24E+00		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	98.49%	0.00%	0.99%	0.01%		
71	Radionuclide		AM-241	PU-241	PU-242								LU/CS	12/20/12
72	Activity	Ci	3.55E-01	2.44E+00	2.74E-07								LU/CS	12/20/12
73	Activity Uncert	1sigma Ci	2.18E-02	4.79E-01	2.79E-07								LU/CS	12/20/12
74	Mass	grams	1.02E-01	2.35E-02	6.90E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	6.41E-03	4.70E-03	7.17E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	3.55E-01	0.00E+00	2.74E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	1.70E+03	0.00E+00	1.32E-03	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
78	calc Act	Ci	3.55E-01	2.44E+00	2.74E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	1.70E+03	1.17E+04	1.32E-03	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
80	calc Pu239 FGE	g	1.91E-03	5.28E-02	5.18E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	3.55E-01	4.78E-02	2.49E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
82	calc Decay Heat	watts	1.19E-02	7.77E-05	8.08E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	2.22E-02	0.00E+00	2.85E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	1.07E+02	0.00E+00	1.37E-03	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
85	uncert Act	Ci	2.22E-02	4.89E-01	2.85E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	1.07E+02	2.35E+03	1.37E-03	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	1.20E-04	1.06E-02	5.38E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	2.18E-02	9.39E-03	2.54E-07	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
89	uncert Decay Heat	watts	7.44E-04	1.56E-05	8.39E-09	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
90	Shipping Calcs		6.56E+01	9.04E+00	5.06E-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
91	49CFR173.433f		0.44%	0.06%	0.00%	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
92	Waste Material Parameter		IM	OI	C	PW							LU/CS	12/20/12
93	Wgt of Mat Parms	kg	76.4	1.7	121.3	8.9							LU/CS	12/20/12
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									LU/CS	12/20/12
95	Data Package Number		SRLBC0699										LU/CS	12/20/12
96	Assay Date		5/22/2012										LU/CS	12/20/12
97	Charz Method ID		1LCNDE	RTRM, VISUAL									LU/CS	12/20/12
98	Data Package Number		SRLBR0042										LU/CS	12/20/12
99	Charz Method Date		5/21/2012										LU/CS	12/20/12
100	Haz Codes		D004	D005	D006	D007	D008	D009	D010	D011	D019	D022	LU/CS	12/20/12
101	Haz Codes		D027	D028	D029	D043	F002	F003	F004	F005			LU/CS	12/20/12
102	Haz Codes													
103	Haz Codes													
104	Sample ID	Headspace Gas H/M	H-SR503978										LU/CS	12/20/12
105	Sample Type		HGHM-T	HGHM									LU/CS	12/20/12
106	Layer No. Sampled		0	[redacted]	641129								LU/CS	12/20/12
107	Date Sampled		8/6/2012			Sample Site							LU/CS	12/20/12
108	Method ID		1HG2	DTP-1.2-041		C1							LU/CS	12/20/12
109	Data Package Number		SR12FG11077										LU/CS	12/20/12
110	CAS #		1333-74-0	74-82-8										
111	Analyte		HYDROGEN	METHANE									LU/CS	12/20/12
112	Concentration				635.87	5.42							LU/CS	12/20/12
113	units	%vol			PPMV	PPMV							LU/CS	12/20/12
114	Date Analyzed		08/06/12	8/6/2012		2.5%= 15.90							LU/CS	12/20/12
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag													
119	U Detectable Flag			U										
120	NA Detectable Flag		NA										LU/CS	12/20/12
121	Methanol Sample ID		12HE	11/20h 12/20/12										
122	Sample ID	Headspace Gas VOC	SR503978										LU/CS	12/20/12
123	Sample Type		HGVO	HGVO									LU/CS	12/20/12
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv)	0.9535						LU/CS	12/20/12
125	Date Sampled		11/26/2012										LU/CS	12/20/12
126	Method ID		12HE	DTP-1.2-041 11/20h 12/20/12									LU/CS	12/20/12
127	Data Package Number		SRHSG1228										LU/CS	12/20/12

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
128														
129	CAS #		67-64-1	71-43-2	75-25-2	71-36-3	75-15-0	56-23-5	108-90-7	67-66-3				
130	Analyte		Acetone	Benzene	Bromoform	Butanol	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform				
131	Concentration		0.13	0.08	0.02	0.10	0.09	0.04	0.05	0.06			LU/CS	12/20/12
132	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv				
133	Date Analyzed		12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012			LU/CS	12/20/12
134	B Detectable Flag												LU/CS	12/20/12
135	D Detectable Flag												LU/CS	12/20/12
136	E Detectable Flag													
137	J Detectable Flag													
138	U Detectable Flag													
139	NA Detectable Flag		U	U	U	U	U	U	U	U				
140	SARP-Flammable Calc		0.065	0.041	0	0.05	0.046	0	0.025	0			LU/CS	12/20/12
141	CAS #		74-87-3	110-82-7	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	78-87-5				
142	Analyte		Methyl chloride	Cyclohexane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	1,2-Dichloropropane				
143	Concentration		0.13	0.08	0.07	0.07	0.07	0.07	0.07	0.06			LU/CS	12/20/12
144	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv				
145	Date Analyzed		12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012			LU/CS	12/20/12
146	B Detectable Flag												LU/CS	12/20/12
147	D Detectable Flag												LU/CS	12/20/12
148	E Detectable Flag													
149	J Detectable Flag													
150	U Detectable Flag													
151	NA Detectable Flag		U	U	U	U	U	U	U	U				
152	SARP-Flammable Calc		0.065	0.041	0.037	0.035	0.036	0.036	0.035	0.0285			LU/CS	12/20/12
153	CAS #		100-41-4	60-29-7	78-93-3	108-10-1	75-09-2	79-34-5	127-18-4	108-88-3				
154	Analyte		Ethyl benzene	Ethyl ether	Methyl ethyl ketone	Methyl isobutyl ketone	Methylene chloride	1,1,2,2-Tetrachloroethan	Tetrachloroethylene	Toluene				
155	Concentration		0.05	0.09	0.09	0.06	0.08	0.04	0.04	0.07			LU/CS	12/20/12
156	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv				
157	Date Analyzed		12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012			LU/CS	12/20/12
158	B Detectable Flag												LU/CS	12/20/12
159	D Detectable Flag												LU/CS	12/20/12
160	E Detectable Flag													
161	J Detectable Flag													
162	U Detectable Flag													
163	NA Detectable Flag		U	U	U	U	U	U	U	U				
164	SARP-Flammable Calc		0.027	0.047	0.0435	0.0315	0	0	0	0.0365			LU/CS	12/20/12
165	CAS #		71-55-6	79-01-6	75-69-4	76-13-1	108-67-8	95-63-6	108383/106423	95-47-6				
166	Analyte		1,1,1-Trichloroethane	Trichloroethylene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,3,5-Trimethylbenzen	1,2,4-Trimethylbenzene	m,p-Xylene/o-Xylene	o-Xylene				
167	Concentration		0.05	0.05	0.05	0.04	0.05	0.05	0.06	0.06			LU/CS	12/20/12
168	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv				
169	Date Analyzed		12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012			LU/CS	12/20/12
170	B Detectable Flag												LU/CS	12/20/12
171	D Detectable Flag												LU/CS	12/20/12
172	E Detectable Flag													
173	J Detectable Flag													
174	U Detectable Flag													
175	NA Detectable Flag		U	U	U	U	U	U	U	U				
176	SARP-Flammable Calc		0	0	0	0	0.026	0.024	0.025	0.0275			LU/CS	12/20/12
177	CAS #		67-56-1											
178	Analyte		Methanol	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
179	Concentration		0.24										LU/CS	12/20/12
180	units	ppmv	ppmv											
181	Date Analyzed		12/4/2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
182	B Detectable Flag												LU/CS	12/20/12
183	D Detectable Flag												LU/CS	12/20/12
184	E Detectable Flag												LU/CS	12/20/12
185	J Detectable Flag													
186	U Detectable Flag													
187	NA Detectable Flag		U											
188	SARP-Flammable Calc		0.12	NA NULL	NA NULL	NA NULL	NA NULL	NA NULL	NA NULL	NA NULL			LU/CS	12/20/12

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D
189			type	comment
190	Comment			
191	Comment			
192	Comment			
193	Comment			
194	Comment			
195	Comment			
196	Comment			
197	Comment			
198	Comment			
199	Comment			
200				
201			Requirements Met?	
202	Free liquids <1% by volume		YES	
203	No non-rad. pyrophorics		YES	
204	Chemical compatability		YES	
205	No explosives		YES	
206	No corrosives		YES	
207	No pressurized containers		YES	
208	No sealed Containers >4 liters		YES	
209	Liner punctured/ filtered		YES	
210	Flammable VOCs <500ppmv		Yes	
211	Container is in Approved Waste Stream Profile Form?	SR-W027-773A-HET	YES	
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.		NO	
213				
214				
215				
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233				
234				
235				

C Hensley
CCP Certification Official

12/20/12
Date

WDS Master Template.xls Rev. 7
Addendum #7, SCO #1065
Excel 2003/2007 Microsoft Windows XP

Kirkes, Creta - NWP NCR Check Audit Purposes Only

From: Mueller, Terry - NWP
Sent: Thursday, December 20, 2012 9:56 AM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP; Underwood, Luann - NWP
Cc: Walker, Mak (Maryann) - NWP; Jones, Laura - NWP
Subject: FW: NCR/CAR Check for SRS AK7 W027-773A-HET Lot 82
Attachments: NCR_BDR_CONTAINER_CHECK_SRS AK7 W027-773A-HET Lot 82.xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks!

TERRY L. MUELLER
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7042

Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

From: Underwood, Luann - NWP
Sent: Thursday, December 20, 2012 9:17 AM
To: Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP; Jones, Laura - NWP
Cc: Underwood, Luann - NWP
Subject: NCR/CAR Check for SRS AK7 W027-773A-HET Lot 82

Please do a NCR/CAR check for SRS AK7 W027-773A-HET Lot 82.

Thanks,

Luann Underwood
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
(575) 234-7505
luann.underwood@wipp.ws

NDA 2000 Assay Report

********** Item Information **********

Item ID:	SR503978	Count Sequence Number:	11513
Operator:	TSD-AF0879DDF40\Operator		
Assay Start:	5/22/2012 11:48:35 AM		
Description 1:	SRLBC0699		
Description 2:	N/A		
Location:	SRS, E AREA		
Comment:	N/A		
Matrix Type:	Debris		
Container Type:	SLB-2		
Weight:	Gross: 208.3 kg	Net:	208.3 kg
Container:	Volume: 5660.0 l	Full:	50.0 %
Density:	0.070 kg /l		

********** System Configuration **********

Counter:	WSRS Box Counter		
Segments:	Number: 10	Offset:	0
Scanning Platform:	Start: 1 mm	Delta:	1 mm
Count Type:	Item Count		
Collimator/Geometry Setting:	All Banks On (GE - 0		

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	11513	Batch Number:	SRLBC0699
Assay Instrument:	WSRS Box Counter	Location:	SRS, E AREA
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	SR503978	Analysis Date:	5/22/2012

Net Weight	208300.0 g		
Pu mass	1.72E+001	+- 2.64E+000	g
TRU Alpha Activity	8.01E+001	+- 1.55E+001	Ci
TRU Activity Concentration	3.84E+005	+- 7.45E+004	nCi/g
Pu-239 Equivalent Activity	7.30E+001	+- 1.41E+001	Ci
Pu-239 FGE	1.32E+001	+- 2.48E+000	g
Decay heat	2.65E+000	+- 5.14E-001	W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
SR90	4.66E-008	6.42E-006	3.41E-007	0.00E+000
CS137	7.32E-008	6.42E-006	3.41E-007	4.36E-007
U233	<LLD	<LLD	0.00E+000	4.15E-003
U234	2.21E+000	1.40E-002	1.74E-003	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	5.51E-007
NP237	1.86E-001	1.33E-004	6.72E-006	1.07E-006
PU238	4.56E+000	7.89E+001	1.55E+001	9.60E-002
U238	<LLD	<LLD	0.00E+000	3.62E-005
PU239	1.26E+001	7.95E-001	1.56E-001	9.66E-004
PU240	2.93E-002	6.72E-003	1.32E-003	8.18E-006
AM241	1.02E-001	3.55E-001	2.18E-002	1.66E-002
PU241	2.35E-002	2.44E+000	4.79E-001	2.96E-003
PU242	6.90E-005	2.74E-007	2.79E-007	0.00E+000

Errors quoted at 1.000 sigma

Operator: Adam Gallegos Date: 6-1-12

ITR: Blake Brashears Date: 6-1-12

Automated Independent Technical Review

Count Sequence Number: 11513 Batch Number: SRLBC0699
Counter ID: WSRS Box Counter
Container ID: SR503978
Waste Matrix Code: N/A Count Type:
Sequence Type: Assay Date: 5/22/2012

Comments	Disposition
Section 1 - Add-A-Source Analysis No Add-a-Source warnings.	OK. No Changes.
Section 2 - Passive Neutron Analysis Analysis Status: No errors. NCC Pu mass was above calibration range. Ones Rate Analysis complete with warnings. - Error calculating the Ones Rate Pu-240 Effective MDA.	Errors in the neutron analysis Results not used.
Section 4 - MGA Analysis Results are marked as invalid.	Isotopic results calculated using FRAM.
Section 5 - Gamma Analysis Analysis Status: No errors. Pu-239 mass is outside the acceptable range of 0.0 to 10.0 g. Total Pu mass is greater than the upper limit of 10.0 g.	Results above 10g Pu acceptable OK. No Changes
Miscellaneous No additional radionuclides detected which contribute to the 95% radiological hazard level.	OK. No Changes

Expert Review by: Bruce Gillespie Date: 6/1/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0042
Examination Date:	5/21/12
Waste Container ID:	SR503978
Video/Audio Recorded Media Number:	SRLBR0042 C
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	SLB2
TRUCON Code:	SR 425
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt: 1,433.0 kg. Tare Wt: 1,224.7 kg. Net Wt: 208.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	50 %

28

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR503978

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal chokers, large metal box - vented, small metal framed HEPA filter, scrap metal, metal hardware Absorbent Wood, cardboard containers - open, cardboard, wooden framed HEPA filters, brush Plastic bags, electrical cord, plastic tubing, small plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	1,224.7
Plastics (PP):	
Others:	
Total Packaging Weight:	1,224.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	76.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.7
Cellulosics (C):	121.3
Rubber (R):	
Plastics (waste materials) (XPM):	8.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	208.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR503978

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		5/21/12
Print Name	Signature	Date

Attachment 4 – Flammable Gas Analysis Form

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

Waste Container ID: **SR503978**

BDR Number: **SR12FG11077**

Sampling Date: **8/6/2012**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	635.87	
74-82-8	Methane	5.42	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.29	U
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	2.51	U
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	0.46	U
95-47-6	o-Xylene	0.31	U
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Attachment 1 – Sample Container Data Form

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

BDR Number: SR12FG11077

	Waste Container ID	8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	MDL02550A	NucFil-016SSHP	6.60E-04	N/A	5/10/2012	5/10/2012	25	88	Y
2	SR503978	NucFil-013	3.70E-06	N/A	3/13/2012	6/11/2012	10	56	Y
3	SR503517	NucFil-013	3.70E-06	N/A	4/9/2012	6/11/2012	10	56	Y
4	SR503576	NucFil-013	3.70E-06	N/A	4/9/2012	6/11/2012	10	56	Y
5	SR55680305	NucFil-013	3.70E-06	N/A	2/4/2010	6/12/2012	10	55	Y
6	MDL02515A	NucFil-013	3.70E-06	N/A	5/5/2012	6/12/2012	10	55	Y
7	MDL02521A	NucFil-013	3.70E-06	N/A	5/3/2012	6/12/2012	10	55	Y
8	SR46031Z	NucFil-013	3.70E-06	N/A	10/10/2011	6/12/2012	10	55	Y
9	SR57171601	NucFil-013	3.70E-06	N/A	3/21/2012	6/12/2012	10	55	Y
10	SR57053104	NucFil-016SSHP	6.60E-04	N/A	3/6/2012	3/6/2012	25	153	Y
11	WMAPSLB017	NucFil-016SSHP	6.60E-04	N/A	5/4/2012	5/4/2012	25	94	Y
12	FBLBOX3520	NucFil-016SSHP	6.60E-04	N/A	12/2/2011	3/23/2012	25	136	Y
13	SR51647201	NucFil-016SSHP	6.60E-04	N/A	1/6/2012	1/6/2012	25	213	Y
14	SR51647401	NucFil-013	3.70E-06	N/A	6/12/2012	7/16/2012	10	21	Y
15	SR46017	NucFil-013	3.70E-06	N/A	1/19/2012	5/18/2012	10	80	Y
16	SR503518	NucFil-016SSHP	6.60E-04	N/A	3/2/2012	3/2/2012	25	157	Y
17	SR46021Z	NucFil-013	3.70E-06	N/A	8/24/2011	6/28/2012	10	39	Y
18	SR60686161	Nucfil-019DS	1.85E-05	3	8/5/2011	8/5/2011	12	367	Y
19	SR520533	Nucfil-DVS307	3.70E-06	3	9/21/1983	9/21/2007	253	1781	Y
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

30 **Operator:** Jeremy Robinson
Printed Name

Signature

8-29-12
8-06-12
Date

Attachment 6 – Multiple Filter Sheet

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

Waste Container ID	Filter Model Number(s), number of filters
MDL02550A	Nucfil-016SSHP (3)
SR503978	Nucfil-016SSHP (4)
SR503517	Nucfil-016SSHP (4)
SR503576	Nucfil-016SSHP (4)
SR55680305	Nucfil-016SSHP (4)
MDL02515A	Nucfil-016SSHP (4)
MDL02521A	Nucfil-016SSHP (4)
SR46031Z	Nucfil-016SSHP (4)
SR57171601	Nucfil-016SSHP (4)
SR57053104	Nucfil-016SSHP (4)
WMAPSLB017	Nucfil-016SSHP (4)
FBLBOX3520	Nucfil-016SSHP (3)
SR51647201	Nucfil-016SSHP (4)
SR51647401	Nucfil-016SSHP (4)
SR46017	Nucfil-016SSHP (4)
SR503518	Nucfil-016SSHP (4)
SR46021Z	Nucfil-016SSHP (4)
SR60686161	Nucfil-016SSHP (1)
SR520533	Nucfil-016SSHP (1)
N/A	N/A

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	D	7	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 **Drum Number:** SR503978

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 26.5	112612	1409	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 26.5	112612	1413	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes:
(1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.
(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

Attachment 2 – Sample Container Data Form

Field Batch Number:SRHSG1228

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/m²)	Package Configuration Group No.
1	SR910042	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-018SSHP	2	3.7×10^{-5}	3
2	SR171240G	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-018SSHP	2	3.7×10^{-5}	3
3	SR171240F	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-5}	3
4	WMAPSWB541	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-5}$	6
5	WMAPSWB542	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-5}$	6
6	WMAPSWB543	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-5}$	6
7	SR503978	3	S5000	N	N	NA	4	1	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
8	SR21524411	3	S5000	N	N	NA	4	0	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

12/10/12 0 +/- 12/10/12

018 12.11.12

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number:SRHSG1228

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0703 & XC0713 Temperature Recorder Calibration Due Date:3/7/2013 & 5/8/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR910042	9/13/2012	9/13/2012	16	74	90	Y	11/23/12 1310	11/26/12 1310
2	SR171240G	5/7/2012	5/7/2012	16	203	70	Y	11/23/12 1310	11/26/12 1310
3	SR171240F	4/26/2012	4/26/2012	16	214	90	Y	11/23/12 1310	11/26/12 1310
4	WMAPSWB541	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
5	WMAPSWB542	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
6	WMAPSWB543	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
7	SR503978	3/13/2012	9/24/2012	56	63	50	Y	11/23/12 1310	11/26/12 1310
8	SR21524411	8/23/2010	9/28/2012	56	59	80	Y	11/23/12 1310	11/26/12 1310
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams — Print Name — Signature — 11/29/12 Date

James Adams

12/10/12

12-11-12

019

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	D	7	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 **Drum Number:** SR503978

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C=30 in Hg	T=26.5	112612	1409	
Before Sample Collection	M=	P= 30			
Field-	C=1 in Hg	T=26.5	112612	1413	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C= 2 psig	T= 21	112912	1632	
	M=	P= 640T			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12334009		Field Sample ID:	SR112612EID72	
Analytical Batch:	ECL12046M		Sampling Batch:	SRHSG1228	
Data Report:	ECL12046M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	12/4/2012	1854	Date Sampled:	11/26/2012	
Lab File ID:	D04JL		Date Received:	11/29/12	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifiers
Acetone	0.13	U
Benzene	0.082	U
Bromoform	0.023	U
Butanol	0.10	U
Carbon disulfide	0.092	U
Carbon tetrachloride	0.043	U
Chlorobenzene	0.054	U
Chloroform	0.060	U
Chloromethane	0.13	U
Cyclohexane	0.082	U
1,1-Dichloroethane	0.074	U
1,2-Dichloroethane	0.070	U
1,1-Dichloroethylene	0.070	U
cis-1,2-Dichloroethylene	0.072	U
trans-1,2-Dichloroethylene	0.070	U
1,2-Dichloropropane	0.057	U
Ethyl benzene	0.054	U
Ethyl ether	0.094	U
Methyl ethyl ketone	0.087	U
Methyl isobutyl ketone	0.063	U
Methylene chloride	0.080	U
1,1,2,2-Tetrachloroethane	0.037	U
Tetrachloroethylene	0.039	U
Toluene	0.073	U
1,1,1-Trichloroethane	0.054	U
Trichloroethylene	0.052	U
Trichlorofluoromethane	0.051	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.039	U
1,3,5-Trimethylbenzene	0.050	U
1,2,4-Trimethylbenzene	0.048	U
p/m-Xylene	0.058	U
o-Xylene	0.055	U
Methanol	0.24	U

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12334009		Field Sample ID:	SR112612EID72	
Analytical Batch:	ECL12046M		Sampling Batch:	SRHSG1228	
Data Report:	ECL12046M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	12/4/2012	1854	Date Sampled:	11/26/2012	
Lab File ID:	D04JL		Date Received:	11/29/12	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifiers	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

CONTAINER SURVEY LOGSHEET

Date: 08/03/2012

CONTAINER NUMBER	Dose Rate EXTREMITY mrem/hr		Dose Rate WHOLE BODY mrem/hr		LARGE AREA WIPE		dpm/100cm^2	
	(γ + η)	(η)	(γ + η)	(η)	α	βγ	α	βγ
SR46023Z	ND	ND	ND	ND	ND	ND	<20	<200
FBLBOX3701	ND	ND	ND	ND	ND	ND	<20	<200
SR503978	ND	ND	ND	ND	ND	ND	<20	<200
SR51647002	ND	ND	ND	ND	ND	ND	<20	<200
WMAPSLB001	ND	ND	ND	ND	ND	ND	<20	<200
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

[illegible]

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WDS
WASTE DATA SYSTEM

Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:41 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**11**

Selection Criteria

Container Number: **SR503978**

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Current Location Site: WI
Generator Site: SR
Destination Site ID: WI
Certification Program ID: C1
Shipping Program ID: C1

Neutron Dose Rate (mrem/hr): 0.0
Beta Gamma Dose Rate (mrem/hr): 0.1
Total Dose Rate (mrem/hr): 0.1

FGE (g): 1.32E01
FGE Uncertainty (g): 2.48E00
Gross Weight (kg): 1433.00
Gross Weight Uncert (kg): 2.30
Decay Heat (W): 2.65E00
Decay Heat Uncertainty (W): 5.14E-01

Shipment Data
Payload ID: **SLB170** Assembly ID: SR133719 Payload Complete? Y
Shipment Number: SR313079 Send Date: 09/09/2013 Receipt Date: 09/10/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location
Panel: 6 Room: 2
Row: 108 Column: 2 Height: B

Certification Data Values

Waste Stream Profile Code: SR-W027-773A-HET
Waste Type Code: MTRU
IDC Code: 001
Waste Matrix Code: S5400
WAC Revision Number: 7.2
Fill Factor (%): 50.00
Waste Stream BIR ID: W027773AHET
Waste Stream MWIR ID: NONE

TRU Alpha Activity (Ci): 8.01E01
TRU Alpha Activity Uncertainty (Ci): 1.55E01
TRU Alpha Activity Concentration (Ci/g): 3.84E-04
PU-239 Equivalent Activity (PE-Ci): 7.3E01
Alpha Surface Contamination (dpm/cm^2): 19.0
Beta/Gamma Surface Contamination (dpm/cm^2): 199.0

Transportation Data Values

Closure Date: 06/11/2012
Vent Date: 06/11/2012
Process Knowledge? N

TRUCON Code: SR425A
Shipping Category: 3003400723
Aspiration Method: 3
Waste Gen Date: 03/13/2012
Filter Reduction Date: 06/11/2012
Reduced Filter Model: NF013

Shipment Purpose: DISPOSAL
Machine Compacted? N
Liner Exists? N
Liner Hole Size(mm):
Liner Lid Present?
Layers of Packaging 1
Aqueous Material? N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

PCB Waste?	N
PCB Mass (kg):	
PCB Concentration (ppm):	
PCB Out of Service Date:	
Be Present?	Y
Be <= 1% by weight?	Y
Be mass <= 100kg?	Y
Separation OK?	
Packing Fraction (compaction level):	non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF016S	1.65E-04	4	09/24/2012

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	3.550E-01	2.180E-02	1.023E-01	6.411E-03
CS-137	6.420E-06	3.410E-07	7.295E-08	3.954E-09
NP-237	1.330E-04	6.720E-06	1.865E-01	9.617E-03
PU-238	7.890E01	1.550E01	4.561E00	9.142E-01
PU-239	7.950E-01	1.560E-01	1.264E01	2.531E00
PU-240	6.720E-03	1.320E-03	2.922E-02	5.856E-03
PU-241	2.440E00	4.790E-01	2.346E-02	4.700E-03
PU-242	2.740E-07	2.790E-07	6.902E-05	7.171E-05
SR-90	6.420E-06	3.410E-07	4.652E-08	2.521E-09
U-233	<LLD	<LLD	<LLD	<LLD
U-234	1.400E-02	1.740E-03	2.215E00	2.809E-01
U-235	.000E00	.000E00	.000E00	.000E00

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-SR503978	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	08/06/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	635.87	08/06/2012	1HG2	NA
74-82-8	METHANE	5.42	08/06/2012	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR503978	HGVO-P	HEADSPACE GAS VOC	11/26/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.054	12/04/2012	12HE11	U
107-06-2	1,2-DICHLOROETHANE	0.07	12/04/2012	12HE11	U
108-10-1	METHYL ISOBUTYL KETONE	0.063	12/04/2012	12HE11	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.05	12/04/2012	12HE11	U
108-88-3	TOLUENE	0.073	12/04/2012	12HE11	U
108-90-7	CHLOROBENZENE	0.054	12/04/2012	12HE11	U
108383/106423	M,P-XYLENE	0.058	12/04/2012	12HE11	U

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR503978	HGVO-P	HEADSPACE GAS VOC	11/26/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
110-82-7	CYCLOHEXANE	0.082	12/04/2012	12HE11	U
127-18-4	TETRACHLOROETHYLENE	0.039	12/04/2012	12HE11	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.072	12/04/2012	12HE11	U
156-60-5	TRANS-1,2-DICHLOROETHYLENE	0.07	12/04/2012	12HE11	U
56-23-5	CARBON TETRACHLORIDE	0.043	12/04/2012	12HE11	U
60-29-7	ETHYL ETHER	0.094	12/04/2012	12HE11	U
67-56-1	METHANOL	0.24	12/04/2012	12HE11	U
67-64-1	ACETONE	0.13	12/04/2012	12HE11	U
67-66-3	CHLOROFORM	0.06	12/04/2012	12HE11	U
71-36-3	BUTANOL	0.1	12/04/2012	12HE11	U
71-43-2	BENZENE	0.082	12/04/2012	12HE11	U
71-55-6	1,1,1-TRICHLOROETHANE	0.054	12/04/2012	12HE11	U
74-87-3	METHYL CHLORIDE	0.13	12/04/2012	12HE11	U
75-09-2	METHYLENE CHLORIDE	0.08	12/04/2012	12HE11	U
75-15-0	CARBON DISULFIDE	0.092	12/04/2012	12HE11	U
75-25-2	BROMOFORM	0.023	12/04/2012	12HE11	U
75-34-3	1,1-DICHLOROETHANE	0.074	12/04/2012	12HE11	U
75-35-4	1,1-DICHLOROETHYLENE	0.072	12/04/2012	12HE11	U

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR503978	HGVO-P	HEADSPACE GAS VOC	11/26/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
75-69-4	TRICHLOROFLUOROMETHANE	0.051	12/04/2012	12HE11	U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.039	12/04/2012	12HE11	U
78-87-5	1,2 DICHLOROPROPANE	0.057	12/04/2012	12HE11	U
78-93-3	METHYL ETHYL KETONE	0.087	12/04/2012	12HE11	U
79-01-6	TRICHLOROETHYLENE	0.052	12/04/2012	12HE11	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.037	12/04/2012	12HE11	U
95-47-6	O-XYLENE	0.055	12/04/2012	12HE11	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.048	12/04/2012	12HE11	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR503978FGA	HGVO-T	HEADSPACE GAS VOC	08/06/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.73	08/06/2012	1HG2	U
107-06-2	1,2-DICHLOROETHANE	2.21	08/06/2012	1HG2	U
108-10-1	METHYL ISOBUTYL KETONE	3.9	08/06/2012	1HG2	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.55	08/06/2012	1HG2	U
108-88-3	TOLUENE	2.51	08/06/2012	1HG2	U

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR503978FGA	HGVO-T	HEADSPACE GAS VOC	08/06/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
108-90-7	CHLOROBENZENE	0.51	08/06/2012	1HG2	U
108383/106423	M,P-XYLENE	0.46	08/06/2012	1HG2	U
110-82-7	CYCLOHEXANE	3.23	08/06/2012	1HG2	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.48	08/06/2012	1HG2	U
60-29-7	ETHYL ETHER	0.68	08/06/2012	1HG2	U
67-56-1	METHANOL	32.97	08/06/2012	1HG2	U
67-64-1	ACETONE	8.29	08/06/2012	1HG2	U
71-36-3	BUTANOL	1.27	08/06/2012	1HG2	U
71-43-2	BENZENE	0.63	08/06/2012	1HG2	U
75-34-3	1,1-DICHLOROETHANE	3.52	08/06/2012	1HG2	U
75-35-4	1,1-DICHLOROETHYLENE	4.82	08/06/2012	1HG2	U
78-93-3	METHYL ETHYL KETONE	4.32	08/06/2012	1HG2	U
95-47-6	O-XYLENE	0.31	08/06/2012	1HG2	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.61	08/06/2012	1HG2	U

Material Parameters

Material Parameter	Description	Weight (kg)

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012

Waste Handling Code: CH
Disposal Date: 09/27/2013

Material Parameters

Material Parameter	Description	Weight (kg)
1	IRON BASE METAL ALLOYS	76.40
4	OTHER INORGANIC MATERIALS	1.70
6	CELLULOSICS	121.30
8	PLASTICS	8.90
13	STEEL CONTAINER MATERIALS	1224.70

Waste Weight:	208.30
Packaging Weight:	1224.70
Total Material Weight:	1433.00

Hazardous Codes

Hazardous Code	Description
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D019	CARBON TETRACHLORIDE
D022	CHLOROFORM
D027	1,4-DICHLOROBENZENE

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Hazardous Codes

Hazardous Code	Description
D028	1,2-DICHLOROETHANE
D029	1,1-DICHLOROETHYLENE
D043	VINYL CHLORIDE
F002	SPENT HALOGENATED SOLVENTS
F003	SPENT NON-HALOGENATED SOLVENTS
F004	SPENT NONHALOGENATED SOLVENTS
F005	SPENT NON-HALOGENATED SOLVENTS

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	05/22/2012

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1LCNDE	REAL-TIME RADIOGRAPHY	05/21/2012

Edit Limit Check Results

Evaluation Date: 12/20/2012 12:22:40 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		
DI_CERT_CERT	PASS		
DI_CERT_CHARZ	PASS		

Container: SR503978
Type: 47 - SLB2

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

Edit Limit Check Results
Evaluation Date: 12/20/2012 12:22:40 Overall Status: PASS

Evaluation Code	Status
DI_CERT_ED	PASS
DI_CERT_EPA	PASS
DI_CERT_PCB	PASS
DI_CERT_PERC	PASS
DI_CERT_TRAMPAC	PASS
DSA	PASS
WAC	PASS
WAP_CERT	PASS

TRAMPAC Evaluation Results
Evaluation Date: 12/20/2012 12:22:40 Overall Status: PASS

Evaluation Code	Status
CE_ACT	PASS
CE_ALL	PASS
CE_ASP	PASS
CE_DDH	PASS
CE_FGE	PASS
CE_FIL	PASS
CE_GVE	PASS
CE_RDR	PASS
CE_TRU	PASS
CE_WGT	PASS

Return Code	Detailed Description

Details

Container: SR503978
Type: 47 - SLB2

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 12/20/2012
Waste Handling Code: CH
Disposal Date: 09/27/2013

TRAMPAC Evaluation Results

Evaluation Date: 12/20/2012 12:22:40 Overall Status: PASS

Details

Matrix Depleted Shipping Category:	3001090723	Compliance Method:	TEST-MEASUREMENT
Decay Heat Limit (w):	0.0196258237734928	FGE Limit (g):	325
FGGR (mol/s):	6.1136392743513595E-9	FGGR Limit (mol/s):	6.666666666666667E-9
Volume Model:	2	Sample-Vent Time (days):	56
Total Headspace VOCs (ppm):	72.00000000000001	Min Sample-Vent Time Applied (days):	10
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
12/20/2012 10:32:36	INSERT DATA INTO THE DATABASE	
12/20/2012 12:22:40	SUCCESSFUL SUBMISSION FOR CERT	
12/20/2012 12:39:40	APPROVED FOR CERT	
08/19/2013 08:33:31	ASSIGNED TO PAYLOAD	

DIVIDER

PAGE

Waste Characterization Case File:

including Container Information Summary (CIS) excerpts, Waste Certification Data Entry Form (WCDEF) spreadsheet signed copies, supporting forms and data, and WWIS/WDS Waste Container Data Report for the container

SR54064311

(a SWB debris container)

CIS

Audit Purposes Only

CCP-TP-002 Rev. 25
Effective Date: 02/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream # SR-W027-HBL-BOX Lot # 98

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR			Transportation HSG
							Sample	Analysis		
SR54064311	SRLBC0874	SR4RTR0280	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SR12FG11117
SR54064314	SRLBC0915	SRLBR0078	N/A	N/A	N/A	Yes	N/A	N/A	N/A	SR13FG3004
SR57169417	SRLBC0878	SR4RTR0252	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SR12FG3027
WMAPSLB027	SRLBC0944	SRLBR0087	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SR13FG11048

Signature of Site Project Manager

Joshua Houghton
Printed Name

5/30/2013
Date

Audit Purposes Only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WDS Master Template.xls Rev. 8 Addendum #8, SCO #1065 Excel 2003/2007 Microsoft Windows XP	Units	data							comments			initial	date
2	Shipper Site ID		C1	Location ID	Dest Program ID	Shipping Purpose					SR54064311		HP/BV	06/04/13
3	Waste Stream Profile		SR-W027-HBL-BOX	SR	WI	D							HP/BV	06/04/13
4	Container Number		SR54064311										HP/BV	06/04/13
5	Container Type		swb	drum, swb, tdop, etc., see WWIS labels for valid types.									HP/BV	06/04/13
6	WAC Rev #		7.4										HP/BV	06/04/13
7													HP/BV	06/04/13
8	Cert Site		C1										HP/BV	06/04/13
9	Cert Date		6/5/13											
10	Waste Handling Code		CH	CH, RH									HP/BV	06/04/13
11	Waste Type Code		MTRU	TRU, MTRU									HP/BV	06/04/13
12	Waste Stream BIR ID		RW027HBLBOXA										HP/BV	06/04/13
13	Waste Stream MWIR ID		NONE										HP/BV	06/04/13
14	Generator Site ID		SR										HP/BV	06/04/13
15	IDC Code		001										HP/BV	06/04/13
16	Matrix Code		S5400										HP/BV	06/04/13
17	Trucon Code		SR025C										HP/BV	06/04/13
18	Shipping Category		300109003O	Invalid Ship Cat									HP/BV	06/04/13
19	Tru Alpha Act	Ci	8.37E-01	0.012 Watt-years										
20	Tru Alpha Act Uncert	1sigma Ci	1.08E-01	1.053E+00	Tru Alpha Act + 2sigma (Ci)	8.369E-01							HP/BV	06/04/13
21	Tru Alpha Act Conc	nCi/g	2.65E+03			2.65E+03							HP/BV	06/04/13
22			3.40E+02	3.330E+03	Tru Alpha Act Conc + 2sigma (Ci)								HP/BV	06/04/13
23	Pu239 Fiss Gm Eq	g	1.71E-01			1.714E-01							HP/BV	06/04/13
24	Pu239 Fiss Gm Eq Uncert	1sigma g	8.46E-03	1.879E-01	Pu239 Fiss Gm Eq + 2sigma (Ci)	7.615E-01							HP/BV	06/04/13
25	Pu239 Eq Act	Ci	7.61E-01			2.769E-02							HP/BV	06/04/13
26	Decay Heat	watts	2.77E-02										HP/BV	06/04/13
27	Decay Heat Uncert	1sigma watts	3.56E-03	3.13E-02	Decay Heat + 1sigma (watts)								HP/BV	06/04/13
28	Layers of Packaging												HP/BV	06/04/13
29	Fill Factor		100	percentage									HP/BV	06/04/13
30	Liner Type			1 = plastic drum liner										
31	Liner Punctured												HP/BV	06/04/13
32	PCB Conc		NULL										HP/BV	06/04/13
33	Closure Date		8/25/2012										HP/BV	06/04/13
34	Vent Date		8/25/2012										HP/BV	06/04/13
35	Filter Install Date		8/25/2012										HP/BV	06/04/13
36	Filter Manufacturer		NFT										HP/BV	06/04/13
37													HP/BV	06/04/13
38	Filter Model Number		NF019D										HP/BV	06/04/13
39	Number of Filters Installed		4										HP/BV	06/04/13
40	Aspiration Method ID		3										HP/BV	06/04/13
41	Gas Gen Rate			#VALUE!	<<Gas Gen Rate Calculated.								HP/BV	06/04/13
42	Hydrogen/Methane Gen Rate													
43	Gas Gen Comp Date													
44	Gross Weight	kg	606		Waste (kg) 316.0	Packaging (kg) 290.0	Total (kg) 606.0							
45	Gross Weight Uncert	1sigma kg	16.3											
46	Alpha Surf Cont	dpm/100 cm^2	19										HP/BV	06/04/13
47	Beta/Gamma Surf Cont	dpm/100 cm^2	199										HP/BV	06/04/13
48	Neutron Dose Rate	mrem/hr	0										HP/BV	06/04/13
49	Beta/Gamma Dose Rate	mrem/hr	15										HP/BV	06/04/13
50	Radionuclide		SR-90	CS-137	U-233	U-234	U-235	NP-237	PU-238	U-238	PU-239	PU-240	HP/BV	06/04/13
51	Activity	Ci	1.37E-06	1.37E-06	-1.00E+00	1.48E-04	0.00E+00	7.89E-03	8.29E-01	-1.00E+00	-1.00E+00	-1.00E+00	HP/BV	06/04/13
52	Activity Uncert	1sigma Ci	1.28E-07	1.28E-07	-1.00E+00	1.93E-05	0.00E+00	4.01E-04	1.08E-01	-1.00E+00	-1.00E+00	-1.00E+00	HP/BV	06/04/13
53	Mass	grams	9.93E-09	1.56E-08	-1.00E+00	2.34E-02	0.00E+00	1.11E+01	4.79E-02	-1.00E+00	-1.00E+00	-1.00E+00	HP/BV	06/04/13
54	Mass Uncert	1sigma grams	9.46E-10	1.48E-09	-1.00E+00	3.12E-03	0.00E+00	5.74E-01	6.37E-03	-1.00E+00	-1.00E+00	-1.00E+00		
55	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-03	8.29E-01	0.00E+00	0.00E+00	0.00E+00		
56	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E+01	2.62E+03	0.00E+00	0.00E+00	0.00E+00		
57	calc Act	Ci	1.37E-06	1.37E-06	0.00E+00	1.48E-04	0.00E+00	7.89E-03	8.29E-01	0.00E+00	0.00E+00	0.00E+00		
58	calc Act Conc	nCi/g	4.34E-03	4.34E-03	0.00E+00	4.68E-01	0.00E+00	2.50E+01	2.62E+03	0.00E+00	0.00E+00	0.00E+00		

U-235 FEM	U-235 FEM Uncert	FGGR Flag	FGGR Test Period
NULL	NULL	NULL	NULL

Be mass<=100 kg	Be <= 1%	Be Present	Aqueous Material	Compacted Wst
Y	Y	Y	N	N

Box Weight	290

Liner Lid Present	
Liner Hole Size (mm)	

PCB Waste	PCB Mass (kg)	Out of Service
N	NULL	NULL

Watt-years	Waste Gen Date
0.021	NULL

Filter Reduction Date	NULL
Reduced Filter Model	NULL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
59	calc Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-01	5.41E-03	0.00E+00	0.00E+00	0.00E+00		
60	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-03	7.54E-01	0.00E+00	0.00E+00	0.00E+00		
61	calc Decay Heat	watts	1.59E-09	1.52E-09	0.00E+00	4.26E-06	0.00E+00	2.31E-04	2.75E-02	0.00E+00	0.00E+00	0.00E+00		
62	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.10E-01	0.00E+00	0.00E+00	0.00E+00		
63	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+00	3.49E+02	0.00E+00	-1.99E+02	-7.28E+02		
64	uncert Act	Ci	1.31E-07	1.31E-07	0.00E+00	1.97E-05	0.00E+00	4.09E-04	1.10E-01	0.00E+00	0.00E+00	0.00E+00		
65	uncert Act Conc	nCi/g	4.13E-04	4.13E-04	0.00E+00	6.23E-02	0.00E+00	1.29E+00	3.49E+02	0.00E+00	0.00E+00	0.00E+00		
66	uncert Pu239 FGE	g	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-03	7.20E-04	0.00E+00	0.00E+00	0.00E+00		
67	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	9.82E-02	0.00E+00	0.00E+00	0.00E+00		
68	uncert Decay Heat	watts	1.51E-10	1.45E-10	0.00E+00	5.67E-07	0.00E+00	1.20E-05	3.65E-03	0.00E+00	0.00E+00	0.00E+00		
69	Shipping Calcs	1.55E+02	5.07E-07	1.01E-07	0.00E+00	5.48E-03	0.00E+00	1.46E+00	1.53E+02	0.00E+00	0.00E+00	0.00E+00		
70	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	0.00%	0.94%	99.05%	0.00%	0.00%	0.00%	HP/BV	06/04/13
71	Radionuclide		AM-241	PU-241	PU-242	CO-60							HP/BV	06/04/13
72	Activity	Ci	-1.00E+00	0.00E+00	2.54E-07	1.69E-06							HP/BV	06/04/13
73	Activity Uncert	1sigma Ci	-1.00E+00	0.00E+00	3.29E-08	1.22E-07								
74	Mass	grams	-1.00E+00	0.00E+00	6.40E-05	1.48E-09	NULL	NULL	NULL	NULL	NULL	NULL		
75	Mass Uncert	1sigma grams	-1.00E+00	0.00E+00	8.46E-06	1.09E-10	NULL	NULL	NULL	NULL	NULL	NULL		
76	calc Tru Alpha Act	Ci	0.00E+00	0.00E+00	2.54E-07	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
77	calc Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	8.04E-04	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
78	calc Act	Ci	0.00E+00	0.00E+00	2.54E-07	1.69E-06	NULL	NULL	NULL	NULL	NULL	NULL		
79	calc Act Conc	nCi/g	0.00E+00	0.00E+00	8.04E-04	5.35E-03	NULL	NULL	NULL	NULL	NULL	NULL		
80	calc Pu239 FGE	g	0.00E+00	0.00E+00	4.80E-07	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
81	calc Pu239 Eq Act	Ci	0.00E+00	0.00E+00	2.31E-07	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
82	calc Decay Heat	watts	0.00E+00	0.00E+00	7.49E-09	2.61E-08	NULL	NULL	NULL	NULL	NULL	NULL		
83	uncert Tru Alpha Act	Ci	0.00E+00	0.00E+00	3.36E-08	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
84	uncert Tru Alpha Act Conc	nCi/g	0.00E+00	0.00E+00	1.06E-04	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
85	uncert Act	Ci	0.00E+00	0.00E+00	3.36E-08	1.24E-07	NULL	NULL	NULL	NULL	NULL	NULL		
86	uncert Act Conc	nCi/g	0.00E+00	0.00E+00	1.06E-04	3.94E-04	NULL	NULL	NULL	NULL	NULL	NULL		
87	uncert Pu239 FGE	g	0.00E+00	0.00E+00	6.34E-08	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
88	uncert Pu239 Eq Act	Ci	0.00E+00	0.00E+00	2.99E-08	0.00E+00	NULL	NULL	NULL	NULL	NULL	NULL		
89	uncert Decay Heat	watts	0.00E+00	0.00E+00	9.89E-10	1.92E-09	NULL	NULL	NULL	NULL	NULL	NULL		
90	Shipping Calcs		0.00E+00	0.00E+00	4.70E-05	1.56E-07	NULL	NULL	NULL	NULL	NULL	NULL		
91	49CFR173.433f		0.00%	0.00%	0.00%	0.00%	NULL	NULL	NULL	NULL	NULL	NULL	HP/BV	06/04/13
92	Waste Material Parameter		IM	OI	C	PW							HP/BV	06/04/13
93	Wgt of Mat Parms	kg	165.7	4.3	117.6	28.4							HP/BV	06/04/13
94	Radio Assay Method		1NABC1	PAN, FRAM, TGS, HENC									HP/BV	06/04/13
95	Data Package Number		SRLBC0874										HP/BV	06/04/13
96	Assay Date		12/5/2012										HP/BV	06/04/13
97	Charz Method ID		1RR4	RTRM, VISUAL									HP/BV	06/04/13
98	Data Package Number		SR4RTR0280										HP/BV	06/04/13
99	Charz Method Date		9/13/2012										HP/BV	06/04/13
100	Haz Codes		D006	D007	D008	D009	D011	D019	D022	D029	D043	F002	HP/BV	06/04/13
101	Haz Codes		F005	U133									HP/BV	06/04/13
102	Haz Codes													
103	Haz Codes												HP/BV	06/04/13
104	Sample ID	Headspace Gas H/M	H-SR54064311										HP/BV	06/04/13
105	Sample Type		HGHM-T	HGHM									HP/BV	06/04/13
106	Layer No. Sampled		0		2135.76								HP/BV	06/04/13
107	Date Sampled		10/24/2012			Sample Site							HP/BV	06/04/13
108	Method ID		1HG2	DTP-1.2-041		C1							HP/BV	06/04/13
109	Data Package Number		SR12FG11117											
110	CAS #		1333-74-0	74-82-8									HP/BV	06/04/13
111	Analyte		HYDROGEN	METHANE									HP/BV	06/04/13
112	Concentration				2130.34	5.42							HP/BV	06/04/13
113	units	%vol			PPMV	PPMV							HP/BV	06/04/13
114	Date Analyzed		10/24/12	10/24/2012		2.5%= 53.26								
115	B Detectable Flag													
116	D Detectable Flag													
117	E Detectable Flag													
118	J Detectable Flag												HP/BV	06/04/13
119	U Detectable Flag			U										
120	NA Detectable Flag		NA											
121	Methanol Sample ID		1HG2										HP/BV	06/04/13
122	Sample ID	Headspace Gas VOC	SR54064311										HP/BV	06/04/13
123	Sample Type		HGVO-T	HGVO									HP/BV	06/04/13
124	Layer No. Sampled		0			SARP-Flammable VOCs (ppmv) 36							HP/BV	06/04/13
125	Date Sampled		10/24/2012										HP/BV	06/04/13
126	Method ID		1HG2	DTP-1.2-041									HP/BV	06/04/13
127	Data Package Number		SR12FG11117											

WDS Master Template.xls Rev. 8
Addendum #8, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
128														
129	CAS #		67-56-1	60-29-7	75-35-4	67-64-1	75-34-3	156-59-2	78-93-3	110-82-7				
130	Analyte		Methanol	EthylEther	1,1-Dichloroethylene	Acetone	1,1-Dichloroethane	cis-1,2-Dichloroethylene	Methyl ethyl ketone	Cyclohexane			HP/BV	06/04/13
131	Concentration		32.97	0.68	4.82	8.29	3.52	0.48	4.32	3.23			HP/BV	06/04/13
132	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			HP/BV	06/04/13
133	Date Analyzed		10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012			HP/BV	06/04/13
134	B Detectable Flag													
135	D Detectable Flag													
136	E Detectable Flag													
137	J Detectable Flag													
138	U Detectable Flag		U	U	U	U	U	U	U	U				
139	NA Detectable Flag													
140	SARP-Flammable Calc		16.485	0.34	2.41	4.145	1.76	0.24	2.16	1.615			HP/BV	06/04/13
141	CAS #		71-43-2	107-06-2	71-36-3	108-10-1	108-88-3	108-90-7	100-41-4	108383/106423				
142	Analyte		Benzene	1,2-Dichloroethane	Butanol	Methyl isobutyl ketone	Toluene	Chlorobenzene	Ethyl benzene	m-Xylene/p-Xylene			HP/BV	06/04/13
143	Concentration		0.63	2.21	1.27	3.90	2.51	0.51	0.73	0.46			HP/BV	06/04/13
144	units	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv			HP/BV	06/04/13
145	Date Analyzed		10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012			HP/BV	06/04/13
146	B Detectable Flag													
147	D Detectable Flag													
148	E Detectable Flag													
149	J Detectable Flag													
150	U Detectable Flag		U	U	U	U	U	U	U	U				
151	NA Detectable Flag													
152	SARP-Flammable Calc		0.315	1.105	0.635	1.95	1.255	0.255	0.365	0.23			HP/BV	06/04/13
153	CAS #		95-47-6	108-67-8	95-63-6									
154	Analyte		o-Xylene	1,3,5-Trimethylbenzen	1,2,4-Trimethylbenzen	NULL	NULL	NULL	NULL	NULL			HP/BV	06/04/13
155	Concentration		0.31	0.55	0.61									
156	units	ppmv	ppmv	ppmv	ppmv								HP/BV	06/04/13
157	Date Analyzed		10/24/2012	10/24/2012	10/24/2012	NULL	NULL	NULL	NULL	NULL			HP/BV	06/04/13
158	B Detectable Flag												HP/BV	06/04/13
159	D Detectable Flag													
160	E Detectable Flag													
161	J Detectable Flag													
162	U Detectable Flag		U	U	U									
163	NA Detectable Flag					NA	NA	NA	NA	NA			HP/BV	06/04/13
164	SARP-Flammable Calc		0.155	0.275	0.305	NULL	NULL	NULL	NULL	NULL				
165	CAS #													
166	Analyte		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
167	Concentration													
168	units	ppmv												
169	Date Analyzed		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
170	B Detectable Flag													
171	D Detectable Flag													
172	E Detectable Flag													
173	J Detectable Flag													
174	U Detectable Flag													
175	NA Detectable Flag		NA	NA	NA	NA	NA	NA	NA	NA				
176	SARP-Flammable Calc		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
177	CAS #													
178	Analyte		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
179	Concentration													
180	units	ppmv												
181	Date Analyzed		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
182	B Detectable Flag													
183	D Detectable Flag													
184	E Detectable Flag													
185	J Detectable Flag													
186	U Detectable Flag													
187	NA Detectable Flag		NA	NA	NA	NA	NA	NA	NA	NA				
188	SARP-Flammable Calc		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				

WDS Master Template.xls Rev. 8
Addendum #8, SCO #1065
Excel 2003/2007 Microsoft
Windows XP

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
189			type	comment									HP/BV	06/04/13
190	Comment													
191	Comment													
192	Comment													
193	Comment													
194	Comment													
195	Comment													
196	Comment													
197	Comment													
198	Comment													
199	Comment													
200														
201			Requirements Met?											
202	Free liquids <1% by volume		YES											
203	No non-rad. pyrophorics		YES											
204	Chemical compatability		YES											
205	No explosives		YES											
206	No corrosives		YES											
207	No pressurized containers		YES											
208	No sealed Containers >4 liters		YES											
209	Liner punctured/ filtered		YES											
210	Flammable VOCs <500ppmv		[redacted]											
211	Container is in Approved Waste Stream Profile Form?	SR-W027-HBL-BOX	YES											
212	Can it be established through Process Knowledge that the concentration of flammable VOCs present in the headspace of the container is <= 500 ppm?.		NO											
213														
214														
215														
216														
217														
218														
219														
220														
221														
222														
223														
224														
225														
226														
227														
228														
229														
230														
231														
232														
233														
234														
235														

Y. Hinsley
CSR Certification Official

6/5/13
Date

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Addendum #8, SCO #1065
Excel 2003/2007 Microsoft Windows XP

Kirkes, Creta - NWP NCR Audit Purposes Only

From: Mueller, Terry - NWP
Sent: Tuesday, June 04, 2013 11:20 AM
To: Dominguez, Lena - NWP; Pettus, Helen - NWP; Soaterna, Carolina - NWP; Valenzuela, Bobbie - NWP
Cc: Walker, Mak (Maryann) - NWP; Jones, Laura - NWP
Subject: FW: NCR/CAR check for SR-W027-HBL-BOX Lot 98
Attachments: NCR_BDR_CONTAINER_CHECK_SRS SR-W027-HBL-BOX Lot 98.xls

There are no NCR or CAR dispositions that impact the acceptability of these containers, alternate container IDs, and associated BDRs for certification and shipping as listed on the attached. This check was verified independently.

Thanks!

Terry L. Mueller
Assurance Programs
MS GS-103
work (575)-234-7016
fax (575)-234-7042

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA
Contractor to the Department of Energy

From: Pettus, Helen - NWP
Sent: Tuesday, June 04, 2013 11:14 AM
To: Jones, Laura - NWP; Kantrowitz, Rich - NWP; Mueller, Terry - NWP; Walker, Mak (Maryann) - NWP
Subject: NCR/CAR check for SR-W027-HBL-BOX Lot 98

Please do an NCR/CAR check for SR-W027-HBL-BOX Lot 98.

Thanks,

Helen Pettus
Central Characterization Program
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Waste Isolation Pilot Plant
575-234-7696 (W)
helen.pettus@wipp.ws

NDA 2000 Assay Report

Item Information

Item ID:	SR54064311	Count Sequence Number:	13616		
Operator:	TSD-AF0879DDF40\Operator				
Assay Start:	12/5/2012 2:53:12 PM				
Description 1:	SRLBC0874				
Description 2:	N/A				
Location:	SRS, E Area				
Comment:	N/A				
Sample Type:	Pu-Oxide				
Matrix Type:	Debris				
Container Type:	SWB				
Weight:	Gross:	316.0 kg	Net:	316.0 kg	
Container:	Volume:	1890.0 l	Full:	100.0 %	
Density:		0.170 kg /l			

System Configuration

Counter:	WSRS Box Counter		
Segments:	Number: 6	Offset:	0
Scanning Platform:	Start: 1 mm	Delta:	1 mm
Count Type:	Item Count		
Collimator/Geometry Setting:	All Banks On (GE - 0		

Errors quoted at 1.000 sigma

Radioassay Data Sheet

Engine Version: MMRes. Cmb. V1.2

Count Sequence Number:	13616	Batch Number:	SRLBC0874
Assay Instrument:	WSRS Box Counter	Location:	SRS, E Area
Analysis Method:	CCP-TP-189 v 2	Software Version:	NDA 2000 V.5.2
Item ID:	SR54064311	Analysis Date:	12/5/2012

Net Weight	316000.0 g	
Pu mass	4.80E-002 +-	6.22E-003 g
TRU Alpha Activity	8.37E-001 +-	1.08E-001 Ci
TRU Activity Concentration	2.65E+003 +-	3.40E+002 nCi/g
Pu-239 Equivalent Activity	7.61E-001 +-	9.78E-002 Ci
Pu-239 FGE	1.71E-001 +-	8.46E-003 g
Decay heat	2.77E-002 +-	3.56E-003 W

Nuclide	Mass g	Activity Ci	Activity Uncert. Ci	MDA Ci
CO60	1.48E-009	1.69E-006	1.22E-007	3.95E-007
SR90	9.92E-009	1.37E-006	1.28E-007	0.00E+000
CS137	1.56E-008	1.37E-006	1.28E-007	4.64E-007
U232	0.00E+000	0.00E+000	0.00E+000	1.33E-006
U233	<LLD	<LLD	0.00E+000	1.97E-002
U234	2.35E-002	1.48E-004	1.93E-005	0.00E+000
U235	0.00E+000	0.00E+000	0.00E+000	6.45E-006
NP237	1.11E+001	7.89E-003	4.01E-004	1.32E-005
PU238	4.79E-002	8.29E-001	1.08E-001	4.78E-001
U238	<LLD	<LLD	0.00E+000	3.74E-005
PU239	<LLD	<LLD	0.00E+000	7.41E-002
PU240	<LLD	<LLD	0.00E+000	1.04E+000
AM241	<LLD	<LLD	0.00E+000	1.17E-001
PU241	0.00E+000	0.00E+000	0.00E+000	2.41E+000
PU242	6.39E-005	2.54E-007	3.29E-008	0.00E+000

Errors quoted at 1.000 sigma

Operator: Michael Schneiderman Date: 12/11/12

ITR: Tim Carlton Tim Carlton Date: 12/11/12

Automated Independent Technical Review

Count Sequence Number: 13616
Counter ID: WSRS Box Counter
Container ID: SR54064311
Waste Matrix Code: N/A
Sequence Type:

Batch Number: SRLBC0874
Count Type:
Assay Date: 12/5/2012

Comments	Disposition
Section 1 - Add-A-Source Analysis No Add-a-Source warnings.	OK. No changes.
Section 2 - Passive Neutron Analysis Analysis Status: No errors. No Warnings Reported.	No defensible isotopics available. NEUTRON ASSAY REJECTED. Neutron assay results provided as an estimate only.
Section 4 - MGA Analysis Results are marked as invalid.	No measured or declared isotopics available. Only directly measured radionuclides reported Use new results.
Section 5 - Gamma Analysis Analysis Status: No errors. Spectrum Validity Check engine has suggested data review.	OK. No changes. Chi-square > 3 in PROC00AI spectrum. Refit multiplets throughout spectrum. Use new results.
Miscellaneous Cs-137 > LLD No additional radionuclides identified that contribute to 95% of the radiological hazard.	Use new Cs-137 results. OK. No changes.

Expert Review by: Bart B. Morales Date: 12/10/12
Bart B. Morales

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0280	
Examination Date:	9/13/2012	
Waste Container ID:	SR54064311	
Video/Audio Recorded Media Number:	SR4RTR0280	C&D
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 606.0 kg Tare Wt.: 290.0 kg Net Wt.: 316.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR54064311

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal valves, large metal pipes - open, hand tools, scrap metal, metal hardware, metal containers - open, metal flanges
AM:	
OM:	
OI:	Absorbent
C:	Mop heads, wood
R:	
XPM:	Plastic sheeting, air hose and fittings, nylon chokers, plastic bags, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	165.7
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	4.3
Cellulosics (C):	117.6
Rubber (R):	
Plastics (waste materials) (XPM):	28.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	316.0

CCP Radiography Data Sheet

Waste Container ID: SR54064311

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/13/2012
Print Name	Signature	Date

Attachment 4 – Flammable Gas Analysis Form

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

Waste Container ID: **SR54064311**

Sampling Date: **10/24/2012**

BDR Number: **SR12FG11117**

CAS NUMBER	COMPOUND	Measured ppmv	Reporting Flag
1333-74-0	Hydrogen	2130.34	
74-82-8	Methane	5.42	U
67-56-1	Methanol	32.97	U
60-29-7	Ethyl Ether	0.68	U
75-35-4	1,1-Dichloroethylene	4.82	U
67-64-1	Acetone	8.29	U
75-34-3	1,1-Dichloroethane	3.52	U
156-59-2	cis-1,2-Dichloroethene	0.48	U
78-93-3	Methyl ethyl ketone	4.32	U
110-82-7	Cyclohexane	3.23	U
71-43-2	Benzene	0.63	U
107-06-2	1,2-Dichloroethane	2.21	U
71-36-3	1-Butanol	1.27	U
108-10-1	Methyl isobutyl ketone	3.90	U
108-88-3	Toluene	2.51	U
108-90-7	Chlorobenzene	0.51	U
100-41-4	Ethylbenzene	0.73	U
108-38-3/106-42-3	m- and p-Xylene	0.46	U
95-47-6	o-Xylene	0.31	U
108-67-8	1,3,5-Trimethylbenzene	0.55	U
95-63-6	1,2,4-Trimethylbenzene	0.61	U

CAS Number	IDENTIFIED TIC COMPOUND	Est. Amount ppmv
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Attachment 1 – Sample Container Data Form

SCO 1049 Add 4 - Win XP SP3/Win 7 SP1
Excel 2003/2007/2010

BDR Number: SR12FG11117

Waste Container ID		8 Filter Model Number	9 Hydrogen Diffusivity of Filter (mol/s/mf)	10 Package Configuration Group Number	11 Closure Date	12 Vent Date	13 Required DAC Value (in days)	14 Drum Age (in days)	15 Can this container be sampled?
1	WMAPSLB010	NucFil-013	3.70E-06	N/A	4/27/2012	10/2/2012	10	22	Y
2	SR80903	NucFil-016SSHP	6.60E-04	N/A	9/18/2012	9/18/2012	25	36	Y
3	SR46025	NucFil-013	3.70E-06	N/A	11/10/2011	9/25/2012	10	29	Y
4	SR51647202	NucFil-013	3.70E-06	N/A	7/12/2012	10/1/2012	10	23	Y
5	WMAPSLB009	NucFil-013	3.70E-06	N/A	4/27/2012	10/1/2012	10	23	Y
6	SR54064307	NucFil-019DS	7.40E-06	6	8/24/2012	8/24/2012	56	61	Y
7	SR54064304	NucFil-019DS	7.40E-06	6	8/24/2012	8/24/2012	56	61	Y
8	SR54064311	NucFil-019DS	7.40E-06	6	8/25/2012	8/25/2012	56	60	Y
9	SR503460	NucFil-019DS	1.85E-05	3	9/5/2012	9/5/2012	12	49	Y
10	SR142272B	NucFil-019DS	1.85E-05	3	10/9/2012	10/9/2012	12	15	Y
11	SR123587A	NucFil-019DS	1.85E-05	3	10/8/2012	10/8/2012	12	16	Y
12	SR142272	NucFil-019DS	1.85E-05	3	10/9/2012	10/9/2012	12	15	Y
13	SR123587	NucFil-019DS	1.85E-05	3	10/8/2012	10/8/2012	12	16	Y
14	SR123587B	NucFil-019DS	1.85E-05	3	10/8/2012	10/8/2012	12	16	Y
15	SR142272A	NucFil-019DS	1.85E-05	3	10/9/2012	10/9/2012	12	15	Y
16	SR142272C	NucFil-019DS	1.85E-05	3	10/9/2012	10/9/2012	12	15	Y
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

27

Operator: Jeremy Robison
Printed Name

Signature

10-24-12
Date

Attachment 6 – Multiple Filter Sheet

Waste Container ID	Filter Model Number(s), number of filters
WMAPSLB010	NucFil-016SSHP (4)
SR80903	NucFil-016SSHP (4)
SR46025	NucFil-016SSHP (4)
SR51647202	NucFil-016SSHP (4)
WMAPSLB009	NucFil-016SSHP (4)
SR54064307	NucFil-019DS (3)
SR54064304	NucFil-019DS (3)
SR54064311	NucFil-019DS (3)
SR503460	NucFil-016SSHP (1)
SR142272B	NucFil-016SSHP (1)
SR123587A	NucFil-016SSHP (1)
SR142272	NucFil-016SSHP (1)
SR123587	NucFil-016SSHP (1)
SR123587B	NucFil-016SSHP (1)
SR142272A	NucFil-016SSHP (1)
SR142272C	NucFil-016SSHP (1)
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

Attachment to Survey # 0913-11

CONTAINER NUMBER	Dose Rate EXTREMITY mR/hr		Dose Rate WHOLE BODY mR/hr		LARGE AREA WIPE dpm		SMEAR dpm/100cm2	
	(γ + η)	(η)	(γ + η)	(η)	α	βγ	α	βγ
SR54064301	1	ND	0.5	ND	ND	ND	<20	<200
SR54064305	3	1	1	ND	ND	ND	<20	<200
SR503113C	142	42	42	12	ND	ND	<20	<200
SR54064311	15	ND	6	ND	ND		<20	<200
SR46068XB	ND	ND	ND	ND	ND	ND	<20	<200
SR503113A	3	1	1.5	0.5	ND	ND	<20	<200
SR46068X	20	16	12	10	ND	ND	<20	<200
SR46072R	ND	ND	ND	ND	ND	ND	<20	<200
SR500255B	4	ND	2	ND	ND	ND	<20	<200
SR46072Q	ND	ND	ND	ND	ND	ND	<20	<200
SR500255C	ND	ND	ND	ND	ND	ND	<20	<200
WMAPSWB492	60	ND	40	ND	ND	ND	<20	<200

SLWIN-M-20120913-11

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Waste Isolation Pilot Plant
Container Data Report

Report Statistics

Report Version:	**2.3**
WDS Instance:	**prd05.wipp.carlsbad.nm.us**
Generated on:	**November 08, 2013 08:43 AM**
Generated by:	**KIRKES, CRETA**
Total Pages:	**9**

Selection Criteria

Container Number: **SR54064311**

Container: SR54064311
Type: 2 - SWB

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

Current Location Site: WI
Generator Site: SR
Destination Site ID: WI

Certification Program ID: C1
Shipping Program ID: C1

Neutron Dose Rate (mrem/hr): 0.0
Beta Gamma Dose Rate (mrem/hr): 15.0
Total Dose Rate (mrem/hr): 15.0

FGE (g): 1.71E-01
FGE Uncertainty (g): 8.46E-03

Gross Weight (kg): 606.00
Gross Weight Uncert (kg): 16.30

Decay Heat (W): 2.77E-02
Decay Heat Uncertainty (W): 3.56E-03

Shipment Data

Payload ID: **SR1973** Assembly ID: SR131288 Payload Complete? Y
Shipment Number: SR130022 Send Date: 09/19/2013 Receipt Date: 09/20/2013
Shipment Status: SHIPMENT RECEIVED AT DESTINATION

Emplacement Location

Panel: 6 Room: 2
Row: 108 Column: 6 Height: T

Certification Data Values

Waste Stream Profile Code: SR-W027-HBL-BOX
Waste Type Code: MTRU
IDC Code: 001
Waste Matrix Code: S5400
WAC Revision Number: 7.4
Fill Factor (%): 100.00
Waste Stream BIR ID: SRW027HBLBOXA
Waste Stream MWIR ID: NONE

TRU Alpha Activity (Ci): 8.37E-01
TRU Alpha Activity Uncertainty (Ci): 1.08E-01
TRU Alpha Activity Concentration (Ci/g): 2.65E-06
PU-239 Equivalent Activity (PE-Ci): 7.61E-01
Alpha Surface Contamination (dpm/cm^2): 19.0
Beta/Gamma Surface Contamination (dpm/cm^2): 199.0

Transportation Data Values

Closure Date: 08/25/2012
Vent Date: 08/25/2012
Process Knowledge? N

TRUCON Code: SR225C
Shipping Category: 3001090030
Aspiration Method: 3

Shipment Purpose: DISPOSAL
Machine Compacted? N
Liner Exists? N
Liner Hole Size(mm):
Liner Lid Present?
Layers of Packaging 1
Aqueous Material? N

Gas Generation Data Values

Measured FGGR (mol/s)	Measured TGRR (mol/s)	Truncated FGGR Test (Y/N)	Truncated FGGR Test Period (days)

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date

Container: SR54064311
Type: 2 - SWB

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

PCB Waste?	N
PCB Mass (kg):	
PCB Concentration (ppm):	
PCB Out of Service Date:	
Be Present?	Y
Be <= 1% by weight?	Y
Be mass <= 100kg?	Y
Separation OK?	
Packing Fraction (compaction level):	non-compacted

Filters

Filter Model Number	Filter Diffusivity (mol/s/ml)	Quantity	Install Date
NF019D	1.85E-05	4	08/25/2012

Certification Comments

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
AM-241	<LLD	<LLD	<LLD	<LLD
CO-60	1.690E-06	1.220E-07	1.482E-09	1.092E-10
CS-137	1.370E-06	1.280E-07	1.557E-08	1.484E-09
NP-237	7.890E-03	4.010E-04	1.107E01	5.739E-01
PU-238	8.290E-01	1.080E-01	4.792E-02	6.370E-03
PU-239	<LLD	<LLD	<LLD	<LLD
PU-240	<LLD	<LLD	<LLD	<LLD
PU-241	.000E00	.000E00	.000E00	.000E00
PU-242	2.540E-07	3.290E-08	6.398E-05	8.456E-06
SR-90	1.370E-06	1.280E-07	9.928E-09	9.465E-10
U-233	<LLD	<LLD	<LLD	<LLD
U-234	1.480E-04	1.930E-05	2.342E-02	3.116E-03

Container: SR54064311
Type: 2 - SWB

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

Radionuclides

Radionuclide	Activity (Ci)	Activity Uncert (Ci)	Mass (g)	Mass Uncert (g)
U-235	.000E00	.000E00	.000E00	.000E00
U-238	<LLD	<LLD	<LLD	<LLD

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	H-SR54064311	HGHM-T	HEADSPACE GAS HYDROGEN AND METHANE	10/24/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
1333-74-0	HYDROGEN	2130.34	10/24/2012	1HG2	NA
74-82-8	METHANE	5.42	10/24/2012	1HG2	U

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR54064311	HGVO-T	HEADSPACE GAS VOC	10/24/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
100-41-4	ETHYL BENZENE	0.73	10/24/2012	1HG2	U
107-06-2	1,2-DICHLOROETHANE	2.21	10/24/2012	1HG2	U
108-10-1	METHYL ISOBUTYL KETONE	3.9	10/24/2012	1HG2	U
108-67-8	1,3,5-TRIMETHYLBENZENE	0.55	10/24/2012	1HG2	U
108-88-3	TOLUENE	2.51	10/24/2012	1HG2	U
108-90-7	CHLOROBENZENE	0.51	10/24/2012	1HG2	U

Container: SR54064311
Type: 2 - SWB

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

Samples

Labor Code	Sample ID	Sample Type Code	Sample Type Description	Sample Date	Layer Sampled
C1	SR54064311	HGVO-T	HEADSPACE GAS VOC	10/24/2012	0

Unique Samples

CAS Number	Analyte Description	Concentration (ppm)	Analysis Date	Analysis Method	Reporting Flags
108383/106423	M,P-XYLENE	0.46	10/24/2012	1HG2	U
110-82-7	CYCLOHEXANE	3.23	10/24/2012	1HG2	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.48	10/24/2012	1HG2	U
60-29-7	ETHYL ETHER	0.68	10/24/2012	1HG2	U
67-56-1	METHANOL	32.97	10/24/2012	1HG2	U
67-64-1	ACETONE	8.29	10/24/2012	1HG2	U
71-36-3	BUTANOL	1.27	10/24/2012	1HG2	U
71-43-2	BENZENE	0.63	10/24/2012	1HG2	U
75-34-3	1,1-DICHLOROETHANE	3.52	10/24/2012	1HG2	U
75-35-4	1,1-DICHLOROETHYLENE	4.82	10/24/2012	1HG2	U
78-93-3	METHYL ETHYL KETONE	4.32	10/24/2012	1HG2	U
95-47-6	O-XYLENE	0.31	10/24/2012	1HG2	U
95-63-6	1,2,4-TRIMETHYLBENZENE	0.61	10/24/2012	1HG2	U

Material Parameters

Material Parameter	Description	Weight (kg)
1	IRON BASE METAL ALLOYS	165.70
4	OTHER INORGANIC MATERIALS	4.30

Container: SR54064311
Type: 2 - SWB

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

Material Parameters

Material Parameter	Description	Weight (kg)
6	CELLULOSICS	117.60
8	PLASTICS	28.40
13	STEEL CONTAINER MATERIALS	290.00
	Waste Weight:	316.00
	Packaging Weight:	290.00
	Total Material Weight:	606.00

Hazardous Codes

Hazardous Code	Description
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D019	CARBON TETRACHLORIDE
D022	CHLOROFORM
D029	1,1-DICHLOROETHYLENE
D043	VINYL CHLORIDE
F002	SPENT HALOGENATED SOLVENTS
F005	SPENT NON-HALOGENATED SOLVENTS
U133	HYDRAZINE

Container: SR54064311
Type: 2 - SWB

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

Assay Methods

Labor Code	Assay Method	Description	Assay Date
C1	1NABC1	NDA BOX COUNTER	12/05/2012

Non-Destructive Examination (NDE)

Labor Code	NDE Method	Description	Examination Date
C1	1RR4	RTR-4: REAL-TIME RADIOGRAPHY	09/13/2012

Edit Limit Check Results
Evaluation Date: 06/05/2013 14:22:27 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
DI_CERT_ALL	PASS		
DI_CERT_BE	PASS		
DI_CERT_CERT	PASS		
DI_CERT_CHARZ	PASS		
DI_CERT_ED	PASS		
DI_CERT_EPA	PASS		
DI_CERT_PCB	PASS		
DI_CERT_PERC	PASS		
DI_CERT_TRAMPAC	PASS		
DSA	PASS		
WAC	PASS		
WAP_CERT	PASS		

Container: SR54064311
Type: 2 - SWB

Current Status
Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

TRAMPAC Evaluation Results
Evaluation Date: 06/05/2013 14:22:29 Overall Status: PASS

Evaluation Code	Status	Return Code	Detailed Description
CE_ACT	PASS		
CE_ALL	PASS		
CE_ASP	PASS		
CE_DDH	PASS		
CE_FGE	PASS		
CE_FIL	PASS		
CE_GVE	PASS		
CE_RDR	PASS		
CE_TRU	PASS		
CE_WGT	PASS		

Details

Matrix Depleted Shipping Category:		Compliance Method:	ANALYTICAL
Decay Heat Limit (w):	1.4753577981651376	FGE Limit (g):	325
FGGR (mol/s):	3.129442285976071E-9	FGGR Limit (mol/s):	1.6666666666666668E-7
Volume Model:		Required Aspiration Time (days):	
Total Headspace VOCs (ppm):	72.0		
Packaging Configuration:	COMMON_PACKAGING 5	DAC Scenario:	3
Closure Time (days):	0	Minimum Closure Time Applied (days):	53
Sample-Vent Time (days):	60	Min Sample-Vent Time Applied (days):	15
TFGVC in ICL (mol fr):		MLEL (mol fr):	0.05

History

Event Date/Time	Event Description	Reason
06/05/2013 14:22:29	INSERT DATA INTO THE DATABASE	

Container: SR54064311
Type: 2 - SWB

Current Status

Extended Status: APPROVED CERT EMPLACED
Container Status: CERTIFICATION DATA APPROVED
Certification Date: 06/05/2013
Waste Handling Code: CH
Disposal Date: 09/27/2013

History

Event Date/Time	Event Description	Reason
06/05/2013 14:22:29	SUCCESSFUL SUBMISSION FOR CERT	
06/05/2013 15:23:08	APPROVED FOR CERT	
06/27/2013 13:48:12	ASSIGNED TO PAYLOAD	

Working Copy

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 1 of 76

3. Organization Unit (Creating or Custodial Unit) **Nuclear Waste Partnership (NWP)/Central Characterization Project (CCP)/National TRU Program Certification (NTPC)/Contact Handled (CH) for All Sites** **4021 National Parks Highway GSA 212** **Carlsbad, New Mexico 88220**	4. Date 06/24/2013

5. Signatures (of Appropriate Personnel)

Prepared By Sheila Pearcy	Sheila Pearcy 8/1/13 Date	N/A Records Liaison Officer	Date
Approved By Ed Gulbransen	Ed Gulbransen for DEC 8/1/13 Date	Records Officer Approval Michael Fox	8/1/13 Date

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1	**CCP TRAINING DOCUMENTATION FILES** Documentation pertaining to the training and qualification of CCP Personnel.			

COPY

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 2 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1a	<u>CCP CH Employee Individual Training/Qualification Documentation</u> Contractor employee individual folders that contain item 1.29.1a records AND also contain: attendance/completion records of training courses or sessions that include subjects dealing with hazardous materials directly applicable to the employee's job or position. Documents the training and qualification and requalification of CCP CH Personnel. May include but not limited to the following: appointment letters; qualification letters; correspondence; On-the-Job (OJT) records; completed exams; completed qualification cards; certificates of completion; test drum data sheets; training drum evaluation data sheets; resumes; and Waste Acceptance Plan (WAP) briefings. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **PRIVACY ACT** **Quality Assurance (QA) Records/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alphabetically Inclusive Dates: 2000 to Present Location: CCP Records – Skeen Whitlock Building (SWB) and/or Waste Isolation Pilot Plant (WIPP) Records Archive (WRA)	ADM 1.29.1.b	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1a(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 75 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 3 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1b	Employee Individual Medical Examination Contractor employee individual folders that contain only pass/fail and restrictions results of medical examinations. Documentation pertaining to the eye examinations performed on the Nondestructive Examination (NDE), Helium Leak Detector (HLD), and Pressure Change Leak Testing (PCLT) personnel on an annual basis. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **PRIVACY ACT** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alphabetically Inclusive Dates: 2000 to Present Location: CCP Records – SWB and/or WRA	ADM 1.29.1a.(4)	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1a(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 4 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 4 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1c	<u>CCP Test Drum Audio/Video Media of Test Drum Qualification</u> Contractor employee individual folders that contain item 1.29.1a records AND also contain: attendance/completion records of training courses or sessions that include subjects dealing with hazardous materials directly applicable to the employee's job or position. Documents CCP audio/video media of qualification test performed by NDE personnel. This audio/video media of qualification test is performed by NDE personnel and is the second piece of the qualification. It supports the documentation captured on the supporting hard copy record(s). May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **PRIVACY ACT** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Audio/Video Tape or DVD (Primary and Backup) Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ADM 1.29.1.b	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1a.(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 75 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 5 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1d	CCP NDE Test Drum Inventories Documentation pertaining to the assembly of NDE test and training drums which are used to qualify radiography operators per CCP-PO-001, CCP Transuranic (TRU) Waste Characterization QA Project Plan (QAPjP) and CCP-QP-002, CCP Qualification and Training Plan. The drum assembly is representative of the Waste Matrix Codes (WMCS) for Waste Stream Profile Forms. CCP NDE Test Drum Inventory Sheet has the Test Drum Identification Number, Date, Summary Category Group, if it has a plastic liner and the contents of the drum. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending National Archives and Records Administration (NARA) Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
1e	List of Qualified Individuals (LOQI) LOQI is a document that confirms and establishes to the field personnel who is to perform different areas of operations. It is updated each time there is a change to the qualifications of the project personnel. No longer generated as record see Item No. 1f. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: January 2003 to September 2008 Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 6 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1f	LOQI – Non-record LOQIis a document that confirms and establishes to the field personnel who is to perform different areas of operations. It is updated each time there is a change to the qualifications of the project personnel. Record is captured in the individual personnel's training files. Media Type: Electronic Filing Order: Chronologically Inclusive Dates: September 2008 to Present Location: CCP Records - SWB and/or WRA	Non-Record	Not Applicable	Retain in Office until completion of characterization process for each site or when no longer needed in project files to support daily functions. Screen and purge as needed.
2	**QA SUMMARY REPORTING, ASSESSMENT/AUDIT, AND SURVEILLANCE DOCUMENTATION** QA documentation pertaining to the reporting, assessment/audit, and surveillance activities of the CCP QA program. Includes the identification, classification, control, and correction of conditions adverse to quality and nonconforming items, activities, and processes associated with the CCP – all sites.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 7 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2a	<u>CCP CH Nonconformance Reports (NCRs)</u> Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. NCRs created for the CCP CH sites which document the process for identifying, documenting, controlling, evaluating, and dispositioning nonconforming items. May include Carlsbad Field Office (CBFO) notifications and supporting documentation such as copies of applicable procedures, etc. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
2b	<u>NCR Log Reconciliation Report</u> NCR Log Reconciliation Report documents and verifies that all NCR numbers at the end of each calendar year are reconciled against the Master Log and in the Nonconformance Report Module (NCRM). Includes as attachment the information from NCR logs. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2004 to Present Location: CCP Records – SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 8 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2c	<u>CCP Corrective Action Reports (CARs)</u> Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. CARs created for All CH Sites which document the process for identifying, documenting, controlling, evaluating, dispositioning, and verifying completion of corrective actions for conditions adverse to quality related to failures, malfunctions, deficiencies, and technical inadequacies. May include but not limited to supporting documentation such as copies of applicable procedures and/or Deficiency Evaluation Form if applicable, as well as the CAR Logs. May also include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 9 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2d	CCP Surveillance Program Documentation Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. Documentation pertaining to the planning, performing, documenting, and reporting independent surveillances of TRU CCP all sites waste characterization activities. Includes but not limited to surveillance plan formats, surveillance reports, surveillance checklists and surveillance logs. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
2e	QA Trend Reports Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. QA Trend Reports document trending and analyses of item characteristics and reliability, process implementation, and other quality-related information. It is used to identify items, services, activities, and processes that need improvements. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 10 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
3	**TEST PLAN/PROCEDURE DOCUMENTATION** Test plan/procedure documentation provides the method for test control of items that are considered to impact the quality of the characterization, certification, packaging, or transportation of waste for the CCP. The documents address requirements and responsibilities for testing activities performed to ensure items related to CCP activities meet established design, performance, and quality requirements. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2003 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 11 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
4	**CCP CH TRU SOFTWARE QA (SQA) Documentation** Database system development records and documentation records which support the maintenance and operation of tracking systems. CCP CH TRU SQA documentation pertains to the development, procurement, maintenance, and use of computer software that is important to the waste characterization and certification for the CCP CH. Includes but not limited to the following documentation for: Exempt Software; Commercial Off the Shelf (COTS) Software; Application within COTS; Qualified Supplier Software; Non-Qualified Supplier Software; and CCP Software. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Alphabetically by Software Name Inclusive Dates: 2000 to Present Location: CCP Records – SWB and/or WRA	ENV 1.g.(3)(b)	Destroy or delete upon authorized deletion of related system.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 12 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
5	**OPERATION LOGBOOKS** Logbooks listing significant action, daily surveillances and maintenance activities occurring during normal operations of applicable facility. Logbooks, log sheets (data record sheets) which are used for CCP personnel to document technical work processes and that are obtained during gathering activities. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/ Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 1.e(6)	Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
6	**CCP CH NONDESTRUCTIVE ASSAY (NDA) DOCUMENTATION** NDA is a series of measurement techniques that are applied to nuclear fuel and nuclear weapons materials. The techniques measure radiation induced or emitted spontaneously from the nuclear material. The measurements are nondestructive in that they do not alter the physical or chemical state of the material.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 13 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6a	<u>CCP CH NDA Batch Data Reports (BDRs)</u> Records indicating type (classification) and degree of contamination date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. NDA BDRs are the documentation that pertains to a series of measurement techniques that are applied to nuclear fuel and nuclear weapons materials. The techniques measure radiation induced or emitted spontaneously from the nuclear material. The measurements are nondestructive in that they do not alter the physical or chemical state of the material. The documentation in each BDR is from data generation level through the project level Verification & Validation (V&V) and includes Project Level Checklists. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 14 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6b	CCP CH NDA – Analytical Raw Data Analytical raw data generated during the NDA process on the systems software. It is captured on CDs and a primary and back up CD is created. This includes the Radioassay Raw Data Sheet Information. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Electronic – CDs Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED - Do Not Destroy -	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 15 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6c	NDA Total Measurement Uncertainty (TMU) Reports TMU reports estimate the potential error in measurements taken by an assay system on a waste container within the waste stream. An NDA measurement of a waste container may deviate from the true value as a result of bias, random error, or a combination of the two. The TMU is composed of bias and random errors and is typically expressed as an interval extending below and above the measured value. TMU is used to determine whether the radioactivity of individual waste containers may exceed specific criteria. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 16 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6d	<u>NDA Calibration Verification and Calibration and Validation Reports</u> NDA Calibration and Validation Reports document the results of qualification testing of the Mobile Assay System for all CH sites. New active and passive calibrations are described together with results of testing using uranium, californium and plutonium sources. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 17 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6e	NDA Six-Month Interfering Matrix Reports Reports documenting waste management activities for required compliance reports, dumpster violations, dangerous waste reports, and decay heat reports. The Six Month Summary of Weekly Interfering Matrix Report documents the requirements of the CH TRU Waste Acceptance Criteria (WAC) for the WIPP. It demonstrates that over the past six-month period, the operating range of the assay system has been tested in each applicable surrogate waste matrix and the instrument performance has been acceptable. The report is done every six months. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by authorized signature and date** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d.(10)(c)	Destroy 5 years after final closure of facility.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 18 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6f	NDA Hardware and Software Settings Form(s) NDA Hardware and Software Settings Form are used to document the hardware and software settings for the Drum Waste Assay System. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 19 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6g	NDA Performance Demonstration Plan (PDP) Documentation Waste management reports documenting waste management activities including hazardous waste reports, hazardous substance reports, waste characterization reports and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Resource Conservation and Recovery Act (RCRA) unit reports. Documentation pertaining to the CCP NDA PDP is to demonstrate the capability of each participating measurement facility to meet the data quality objectives stated in Department of Energy (DOE)/WIPP-02-3122, CH TRU WAC for the WIPP for assay of TRU waste. The PDP is used by CBFO to assess and approve characterization services for TRU waste. This is an annual requirement. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric for Cycle Inclusive Dates : 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 20 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6h	Detector Dewar Fill Log Operating logbooks listing significant action, daily surveillances and maintenance activities occurring during normal operations of applicable facility. Detector Dewar Fill Log is used to document each time that the detector dewar is filled with Liquid Nitrogen (LN) as required. Fill date, initials of operator and comments if applicable are noted on the log. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized initials and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 1.e.6	Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 21 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6i	Mobile Imaging Passive Action Neutron (IPAN)/Gamma Energy Assay (GEA) Maintenance Checklist Operating logbooks listing significant action, daily surveillances and maintenance activities occurring during normal operations of applicable facility. Maintenance record CCP mobile IPAN/GEA Checklist is used to document weekly and/or monthly maintenance checks on the IPAN/GEA system which performs the NDA process. No longer generated at this time. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Equipment and Date Inclusive Dates: 2001 to 2006 Location: CCP Records - SWB and/or WRA	ENV 1.e.6	Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
7	**CCP CH NDE** NDE (Radiography) is a nondestructive qualitative and quantitative technique that involves x-ray scanning of waste containers to identify and verify waste container contents. NDE is used to examine every waste container to verify its physical form. It can detect prohibited items. NDE is also used to confirm that the physical form of the waste matches its waste stream description.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 22 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
7a	CCP CH NDE BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP NDE BDRs processed on the Real Time Radiography (RTR) systems. NDE (Radiography) is a nondestructive qualitative and quantitative technique that involves x-ray scanning of waste containers to identify and verify waste container contents. NDE is used to examine every waste container to verify its physical form. It can detect prohibited items. NDE is also used to confirm that the physical form of the waste matches its waste stream description. BDR may include but not limited to the following: Cover Sheet, Batch Narrative, Independent Technical Review (ITR) Checklist, Independent Technical Supervisor (TS) Checklist, Radiography Data Sheet, Measurement Control Report, copies of NCR(s) if applicable and Site Project Manager (SPM) Checklists. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 23 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
7b	Audio/Visual Media of The Radiography Scans Audio/Visual Media captured on DVDs while performing NDE of CH TRU waste containers using the RTR system. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date on supporting BDR.** Media Type: Audio/Visual VHS Tapes or DVDs Filing Order: Alpha-Numeric Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
7c	CCP Radiography System Safety Checks CCP Radiography System Safety checks or Pre-Operational Checklists are completed during the actions for startup, daily operational safety checks, operations, and shutdown of RTR System that is used to perform RTR. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 24 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
7d	NDE Fast Scanning Documentation NDE fast scanning documentation is done to screen candidate containers to determine if they qualify for the extensive formal certification process. Screening is defined as a preliminary check to determine if a drum contains obvious prohibited items such as free liquids. This process is not used to certify waste. Includes both the RTR Measurement Control Report and the RTR Drum Quick Screening Log Sheet. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
7e	RTR Batch Weight Records CCP RTR Batch Weight Record is used to document the drum numbers, gross weight, tare weight, net weight, and percent fill of each drum being processed in a BDR in the NDE operations. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2002 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 25 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
7f	CCP CH NDE Quarterly Reports Environmental monitoring reports provided to identify the progress on the environmental monitoring plans or on other related subjects. NDE quarterly reports pertain to the quarterly review performed on randomly selected data completed through SPM review, within the last 3 months time frame. The reports give information regarding the report of data generation level review, V&V performed on a minimum of one randomly chosen waste container each quarter. The SPM uses this information to document that the data generation level data review is being performed according to procedures. This includes the request and results correspondence. **QA Record/Lifetime/Validated by authorized signature and date on memorandum.** Media Type: Hard Copy Filing Order: Chronological and Quarter Number Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d.8.a	Destroy when 75 years old. Cutoff when reports are superseded, obsolete, or canceled.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8	**HEADSPACE GAS (HSG) BDRs** HSG BDRs are combined information derived from the HSG sampling process and preliminary sampling preparation activities, or from the HSG analytical process and post-analytical activities. Each BDR is for a batch of up to 20 HSG samples and may also include QA/Quality Control (QC) samples analytical only.			
8a	CCP HSG BDRs – Online Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP HSG Sampling and analytical	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 26 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
	BDRs are derived from the HSG sampling or analytical processes and include preliminary sampling preparation activities (sampling only) or follow-up data processing activities for the Online system. CCP HSG BDRs are for combined information of analytical data from the analysis of TRU-mixed waste for a batch of up to 20 HSG or homogenous waste samples. These BDRs may include but are not limited to the following: Cover page, Table of Contents, Case Narrative, Operator's Checklist, ITR Checklist, TS Checklist, Form 1A Volatile Organic Analysis Data Sheet, Form 1A Duplicate Volatile Organic Analysis Data Sheet, Form 1E Volatile Organic Analysis Data Sheet Tentatively Identified Compounds (TIC), Form 3A On-line Control Sample (OCS) Accuracy Form, Form 3A Duplicate OCS Accuracy Form, Form 3B OCS/OCS Duplicate Precision Form, Form 3C Sample/Sample Duplicate Precision Form, Form 4A Volatile Organic Method Blank Summary, Form 5A Volatile Instrument Performance Check Bromofluorobenzene (BDB), Form 6A Volatile Organic Initial Calibration (ICAL) Data, Form 7A Volatile Organic Continuing Calibration Check, Form 8A Volatile Organic Internal Standard Report Area and Retention Time (RT) Summary, CCP HSG Drum Age Criteria (DAC) Form, Temperature Log, Freezer Temperature Data Log, and SPM Project Level Checklists. No longer generating new online data. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2001 to 2007 Location: CCP Records - SWB and/or WRA			functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 27 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8b	CCP HSG ICAL Documentation ICAL documentation pertaining to both Gas Analysis and Solid Analysis processes in an analysis of analytical standards for series of different specified concentrations; used to define the linearity and dynamic range of instruments. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8c	CCP HSG Method Detection Limits (MDL) Documentation MDL documentation for both Gas Analysis and Solids Analysis processes which documents the data defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 28 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8d	CCP HSG Method Performance Documentation (MPD) These data packages consist of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, QC sample results and instrument calibration data, plus a summary of final results for each batch. CCP HSG MPD is an analytical method that demonstrates through documented system and instrument tests, and participation in the HSG instrument tests and HGS PDP analysis of blind samples. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c(1)	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 29 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8e	CCP Needle Blank Documentation These records consist of control records pertaining to work performed in analytical laboratories. Documentation pertains to the process of taking 10 percent of the needles and performing a check to assure cleanliness. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 5.d	Destroy when 10 years old.	Retain in CCP Records. Destroy when 10 years old. Screen and purge annually.
8f	CCP Equipment Blanks Documentation These records consist of control records pertaining to work performed in analytical laboratories. Documentation pertains to the process of taking 10 percent of the equipment and performing a check to assure cleanliness. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 5.d	Destroy when 10 years old.	Retain in CCP Records. Destroy when 10 years old. Screen and purge annually.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 30 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8g	HSG – Analytical Raw Data Analytical raw data generated during the HSG process on the Online System software. It is captured on CDs - primary and backup CD is created. **QA Record/Nonpermanent/Validated by authorized signature/initial and date.** Media Type: CD Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8h	Container Filter Change Out Forms Container Filter Change Out Forms are used to document when a filter is replaced on a characterization drum. It identifies the container number, filter install date, filter model number, filter manufacturer date, filter serial number, filter torque value, and calibration information of torque wrench used to perform replacement. This form used to be called Drum Filter Change Out Form. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 31 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8i	<u>CCP CH HSG BDRs – Summa Sampling</u> Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP CH HSG – Summa BDRs are reports that document the manual sampling of HSG in TRU waste containers. The sampling is done using a side port needle attached to a SUMMA canister. After sampling the canisters are sealed and prepared for shipment/transport to a laboratory for analysis. The BDR may include but is not limited to the following: Cover Sheet, Table of Contents, ITR Checklist, TS Review Checklist, Facility Quality Assurance Officer (FQAO) Review Checklist, 72-Hour Temperature Equilibration Plots, copies of NCRs if applicable, Chain of Custody/Canister Tag, Sample Drum Data Form, Shipment Request (or equivalent), and SPM Project Level Checklist. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 32 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8j	CCP CH Analysis of Gas Samples BDRs – Environmental Chemistry Laboratory (ECL) Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP CH Analysis of Gas Samples BDRs are reports that document the analysis of gas samples of Volatile Organic Compound (VOC) in HSG samples contained in SUMMA® canisters. May include but not limited to the following: Data Report cover page and Table of Contents, Sample Identification Table/Analysis Request Form, Sample Custody Documents and Sample Tags, Sample Results, QA Measurement Results, Calibration Results, and Data Review Checklists and SPM Project Level Checklist. This includes BDRs for external sites such as Hanford and Advanced Mixed Waste TRU Program (AMWTP). May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 33 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8k	CCP CH Analysis of Gas Samples BDRs – Raw Data Supporting Data Packages – ECL CCP CH Analysis of Gas Samples BDRs raw data supporting data packages that document the analysis of gas samples of VOC HSG samples contained in SUMMA® canisters. These packages may contain but are not limited to the following: Raw Data/Instrument Printouts and copies of applicable pages of logbooks. This includes supporting documents to BDRs for external sites such as Hanford and AMWTP. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 34 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
81	CCP CH HSG Quarterly Reports Environmental monitoring reports provided to identify the progress on the environmental monitoring plans or on other related subjects. HSG quarterly reports pertain to the quarterly review performed on randomly selected data completed through SPM review, within the last 3 months time frame. The reports give information regarding the repeat of data generation level review, V&V performed on a minimum of one randomly chosen waste container each quarter. The SPM uses this information to document that the data generation level data review is being performed according to procedures. This includes the request and results correspondence. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological and Quarter Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d.8.a	Destroy when 75 years old. Cutoff when reports are superseded, obsolete, or canceled.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 35 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8m	HSG PDP Documentation Hazardous waste reports, hazardous substance reports, waste characterization reports, CERCLA/RCRA unit reports. Documentation pertaining to the CCP HSG PDP is to demonstrate the capability of each participating measurement facility to meet the data quality objectives stated in DOE/WIPP-02-3122, CH TRU WAC for the WIPP for assay of TRU waste. The PDP is used by CBFO to assess and approve characterization services for TRU waste. This is an annual requirement. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: PDP Number and Process Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8n	HSG Random Sample Selection Memorandums HSG Random Sample Memorandums document the random selection for HSG sampling and analysis. It includes at a minimum a memorandum identifying the random selection with attached HSG Random Sample Selection Listing. **QA Record/Nonpermanent/Validated by authorized signature and date on memorandum.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 36 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
9	**FLAMMABLE GAS ANALYSIS (FGA) DOCUMENTATION** FGA documentation pertains to the process to establish the concentration of flammable gas/ VOCs, hydrogen and methane in a waste container intended for shipment.			
9a	FGA BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. FGA BDRs are generated at all CH sites to establish the concentration of flammable gas/VOCs, hydrogen, and methane in a waste container intended for shipment. Procedure used is DOE/WIPP-06-3345. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 37 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
9b	CCP FGA ICAL Documentation CCP FGA ICAL documentation is an analysis of analytical standards for series of different specified concentrations; used to define the linearity and dynamic range of the response of the mass spectrometer or electron capture detector to the target compounds. Procedure used is DOE/WIPP-06-3345. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
9c	CCP FGA MDL Documentation CCP FGA MDL documentation pertains to and is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero. Procedure used is DOE/WIPP-06-3345. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
10	**SOLIDS SAMPLING BDRs** Documentation pertaining to the process of Solids Sampling which is the random sample collection and sample data collection.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 38 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10a	<u>Solids Sampling BDRs</u> Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. Documentation pertaining to the process of Solids Sampling which is the random sample collection and sample data collection. The BDR may include but is not limited to the following: Sample Tracking Form, Sample Chain-of-Custody Form, Sampling ITR Checklist, Sampling TS Review Checklist, Sampling FQAO Review Checklist, Sampling BDR – Table of Contents, Solids Sampling BDR – Cover Sheet, Copy of CCP Waste Visual Examination (VE) Technique Data Form, Copy of NCR(s) if applicable, Temperature Data Logger Sheets, Certification of Cleanliness for Sampling Equipment, and V&V Checklists. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 39 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10 b	Solids Analysis BDRs – Analytical Laboratories Department (ALD) Data packages consisting of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, QC sample results and instrument calibration data, plus a summary of final results for each batch. CCP CH Analysis of Solid Sample BDRs are reports that document the analysis of solid samples of VOC, non-halogenated volatile compounds (NHVOC), semi-volatile compounds (SVOC), and Metals. May include but not limited to the following: Data Report, Cover Page, Table of Contents, Sample Custody Documents, Sample Results, QC Results, Calibration Results, Data Review Checklists and SPM Project Level Checklist. This includes BDRs for external sites. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c.1	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 40 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10c	<u>CCP Solid Analysis BDRs – Raw Data Supporting Data Package (ALD)</u> CCP CH Solid Analysis BDRs raw data supporting data packages that document the analysis of VOC, NHVOC, SVOC and Metals in solid analysis. These packages may contain but are not limited to the following: Raw Data/Instrument Printouts, copies of applicable pages of Digestion Record and copies of applicable pages of logbooks. This is supporting documents to all solids analysis BDRs for external sites such as Hanford and AMWTP. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
10d	<u>Solids Sampling Random Selection Memorandum</u> Solids Sampling Random Selection Memorandums document the random selection for solids sampling and analysis. It includes at a minimum a memorandum identifying the random selection with attached Solids Random Sample List/Waste Stream Container List. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 41 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10e	Instrument Detection Limit (IDL) Determination Files IDL determination files pertain to the documentation of the detection limits of the equipment. It is performed every six months. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
10f	Interelement Interference Correction Factor (IECF) Determination Files IECF determination files document that Inductively Coupled Plasma (ICP) wavelengths of the metal is used to determine the concentration of metals. Metals have several wavelengths and overlap/interfere with other metals; therefore a correction factor must be determined. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 42 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10g	Documented Linear Range (DLR) Determination Files DLR Determination Files pertain to the concentration of the high calibration standard and are applicable only for a specific analyte, instrument, and set of operating conditions. A DLR may be used for up to six months after its determination date. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 43 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10h	Completed Chain-of-Custody Forms Data packages consisting of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, QC sample results and instrument calibration data, plus a summary of final results for each batch. Chain-of-Custody Forms which have been completed document all transfers of sample custody from collection to disposal. The form contains at a minimum, the sample numbers, the date and times of transfers, and the signatures of the relinquishing and accepting parties. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c.1	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 44 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10i	Solid PDP Documentation Hazardous waste reports, hazardous substance reports, waste characterization reports, CERCLA/RCRA unit reports. Documentation pertaining to the CCP solid PDP is to demonstrate the capability of each participating measurement facility to meet the data quality objectives stated in DOE/CBFO-95-1077 Performance Program Plan for RCRA Constituent Analysis of Solidified Waste. The PDP is used by CBFO to assess and approve characterization services for TRU waste. This is an annual requirement. Procedure used is DOE/CBFO-95-1077. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: PDP Number and Process Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
11	**PRECISION and ACCURACY (P&A) DEMONSTRATION FILES** P&A Demonstration Files pertain to the demonstration of the method performance before analyzing any samples. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 45 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
12	**RT WINDOW DETERMINATION FILES** The RT window is crucial to the identification of target compounds. The window is determined by using +/- three times the standard deviation of the mean RT. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
13	**GAS GENERATION TESTING (GGT) DOCUMENTATION** Documentation on the GGT which is used to collect off-gases generated from a waste drum, and to analyze the Hydrogen/Methane (H_2/CH_4) generation rate and the total gas generation of the drum.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 46 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
13 a	GGT BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. GGT BDRs are data compiled to generate characterization data and data reviews on the GGT process of collecting off-gases generated from the waste drums being processed through the characterization process. Includes Cover Sheet, Table of Contents, Case Narrative, Continuing Calibration Verification (CCV) Report, Sample Duplicate Report, Blank Report, Drum Data Sheets, Gas Generation Testing Program (GGTP), ITR Form, Raw Data, GGTP Drum Selection and Batching, GGTP Isolation Checklist, Copy of NCRs – if applicable, and the SPM Checklist Form. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 47 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
13b	GGT Hydrogen ICAL GGT ICAL is documentation of analysis of analytical standards for series of different specified concentrations; used to define the linearity and dynamic range of the response of the mass spectrometer or electron capture detector to the target compounds. Includes but not limited to the following: Raw Data printouts and Calibration Report. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
13c	GGT MDL Documentation GGT MDL is documentation that pertains and is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero. Includes but is not limited to the following: Raw Data print outs and Determination of MDLs, Corresponding %R and %RSD form Attachment 1. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 48 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
13d	<u>GGT CCP Unified Flammable Gas Test Procedure (UFGTP) Reports</u> GGT CCP UFGTP Report pertains to whether a test category payload container demonstrates compliance with the FG/VOC limits. The long-term objective of the UFGTP is to improve waste shipability for specific populations of waste arriving at more realistic gas generation rates based on the results of measurement and testing. Includes the following: Cover page, Long-Term Objective Population Identification Report or equivalent, Long-Term Objective Subpopulation Selection Report or equivalent, Long-Term Objective Subpopulation Data Compilation Report or equivalent, Long-Term Objective Subpopulation Data Evaluation Report or equivalent, and Long-term Objective Summary Report. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
14	**<u>VE BDRs</u>** VE constitutes opening a container and physically examining its contents and verifying its physical form. VE is also used to confirm that the physical form of the waste matches its waste stream description. Removal of prohibited items can be performed in this process.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 49 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
14a	CCP CH VE BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP CH VE BDRs is documentation regarding the process of opening a container and physically examining its contents and verifying its physical form. VE is also used to confirm that the physical form of the waste matches its waste stream description. Removal of prohibited items can be performed in this process. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 50 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
14b	Audio/Visual Recording Tapes or DVDs of VE Audio/Visual recordings created while performing VE of CH TRU waste containers. These Audio/Visual recordings are matched to an associated VE BDR. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date on associated BDR.** Media Type: Audio/Visual Tapes and DVDs Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
14c	Prohibited Items Removal Checklist Prohibited Items Removal Checklist is a form utilized to document the removal of prohibited items found in characterization drums. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Date Inclusive Dates: 2003 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 51 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
14d	Remediation Data Forms Remediation Data Forms used during the CCP Standardized Prohibited Item Remediation process performed in CCP-TP-036. This is a VE activity. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 52 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
14e	CCP CH VE Quarterly Reports Environmental monitoring reports provided to identify the progress on the environmental monitoring plans or on other related subjects. VE quarterly reports pertain to the quarterly review performed on randomly selected data completed through SPM review, within the last 3 months. The reports give information regarding the repeat of data generation level review, V&V performed on a minimum of one randomly chosen waste container each quarter. The SPM uses this information to document that the data generation level data review is being performed according to procedures. This includes the request and results correspondence. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date on memorandum.** Media Type: Hard Copy Filing Order: Chronological and Quarter Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d(8)(a)	Destroy when 75 years old. Cutoff when reports are superseded, obsolete, or canceled.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
15	**CCP ACCEPTABLE KNOWLEDGE (AK) DOCUMENTATION** AK documentation supports the knowledge used for waste characterization, which is based on the materials and processes used to generate waste. AK includes information about the physical form of the waste, the base materials composing the waste (especially hazardous and radioactive materials) and the process that generated the waste. AK is used to define waste streams, assign summary categories, assign United States Environmental Protection Agency (EPA) hazardous waste numbers, estimate the weight fraction of cellulose, plastic, and rubber (CPR), and estimated isotopic ratios.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 53 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15a	CCP CH AK Documentation Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK documentation is compiled, reviewed, evaluated, confirmed and reported. It supports the related AK Summary Report. The following documentation may include but is not limited to: AK Documentation Checklist; Record of Communication; AK Source Document Summary - Attachments 3- may included attached CCP generated source documents – prior to 11/01/2010 the Attachment 3's included as attachment both the site generated and CCP generated source documents; AK Source Document Reference List; Hazardous Constituents Waste Form(s); Waste Form, Waste Material Parameters, Prohibited Items and Packaging Forms with Waste Material Parameter Evaluation Memorandum; Radionuclides Forms – may include Nondestructive Assay (NDA) Memorandum; Waste Containers List – may have additional Memorandums as addendums to the Attachment 8; Acceptable Knowledge Re-evaluation Checklist; AK Source Document Discrepancy Resolution – includes AK Source Document Source Summary Forms as attachments; CCP Waste Stream Characterization Checklist; CCP TRU Waste Correlation and Surrogate Summary Form; AK Sufficiency Determination Request - memorandum and SPM notifications (emails, letters, memorandums, etc.), as applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature/initial and date.**	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 54 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
	Media Type: Hard Copy Filing Order: Site and AK Report or AK Library and/or Waste Stream Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA			
15b	<u>AK Historical Source Documents</u> Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK historical source documents are external records that have been generated by the waste generating sites. Copies are collected and submitted to support the listing of AK source documents referenced in the correlating AK Summary Report. They may be categorized as follows: Correspondence; Documents; Miscellaneous; Procedures and Published Documents; Discrepancy Resolution; and Unpublished Documents. These records must be maintained in parallel to the correlating AK Document Summaries and CCP source documents. Media Type: Electronic - PDF files, databases, video Filing Order: Site, AK Report or AK Library Inclusive Dates: November 2010 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer with related AK Record Set. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 55 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15c	Reconciliation with Data Objective Reports Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. Reconciliation with Data Objective Reports includes the Data Reconciliation and Reporting Routing Sheet, Reconciliation with Data Objective, WIPP Waste Stream Profile, and Characterization Information Summary. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Report and Waste Stream Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b.	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 56 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15d	HSG Summary Data Report Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. HSG Summary Data Report includes the Correlation of Container ID Numbers to HSG Sample ID Number Form, UCL_{90} Evaluation Form, Data Evaluation Narrative, Waste Stream Lot TIC and SPM Narrative. It may also include the Radiography/VE Comparison Report (with copy of trending chart) and Miscertification Rate Calculations. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site AK Report and Waste Stream Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 57 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15e	Solids Summary Data Reports Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. Solids Summary Data Report include but are not limited to the Inter-Office Correspondence, Correlation of Container ID Numbers to Solid Sample ID Numbers, CCP Totals analysis VOC UCL_{90} Evaluation Form, CCP Totals Analysis SVOC, UCL_{90} Evaluation Form, CCP Totals Analysis Metals UCL_{90} Evaluation Form, CCP Data Evaluation Narrative (VOC), CCP Data Evaluation Narrative (SVOC), CCP Data Evaluation Narrative (Metals), Waste Stream Lot TIC and SPM Evaluation Narrative. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Waste Stream Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 58 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15f	Miscertification Rate Calculations Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. Miscertification Rate Calculations documentation pertains to data from the VE that is used to determine the percentage of miscertified waste containers from radiographic examination. The miscertification rate is used to calculate the number of waste containers that shall be visually examined. The site-specific miscertification rate is applied to each Summary Category Group. The site-specific miscertification rate is reassessed annually. **This is no longer performed in the program since the permit change of November 16, 2006.** **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Waste Stream Inclusive Dates: 2001 to 2006 Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 59 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15g	VE Random Selections Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. VE random selection documentation pertains to a statistically selected portion of the certified waste containers that will be opened and visually examined as a QC check on the radiographic examination of waste containers. Data obtained from VE is used to verify the matrix parameter category, waste material parameter weights, and absence of prohibited items determined by radiography. Random selection is reassessed annually. **This is no longer performed in the program since the permit change of November 16, 2006.** **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Waste Stream Inclusive Dates: 2001 to 2006 Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 60 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15h	AK Summary Reports Hazardous waste reports, hazardous substance reports, waste characterization reports, CERCLA/RCRA unit reports. AK Summary Reports are documentation which supports the knowledge used for waste characterization, which is based on the materials and processes used to generate a waste. AK reports include information about the physical form of the waste, the base materials composing the waste (especially hazardous and radioactive materials) and the process that generated the waste. AK reports define waste streams, assign summary categories, assign EPA hazardous waste numbers, estimate the weight fraction of CPR, and estimated isotopic ratios. May include but is not limited to the following record: Final document; Documentation that demonstrates approval by designated individuals; Comments and comment resolution (attachments, Document Review Resolution (DRR), emails, letter, etc.); Document revision requests (i.e., initial markup) and DOE/CBFO submittal email within five days of project level review. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Waste Stream Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d.10.a	Permanent. Cutoff when waste is disposed of. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 61 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15i	AK Accuracy Report Records indicating type (classification) and degree of contamination, date of disposal method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK Accuracy Reports document that the AK accuracy is evaluated either on a lot or waste stream basis. The report documents the results of the evaluation for containers in a waste stream. It may include but is not limited to Inter-Office Correspondence with attached CCP AK Accuracy Report and CCP Correlation of Container Identification Numbers to BDR Numbers. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Report and Waste Stream Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 62 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15j	CCP CH AK Container Tracking Spreadsheet Waste management system which tracks waste from creation through transportation, processing, storage; and reporting tracking records. AK Container Tracking Spreadsheet is a spreadsheet that identifies the following minimum criterion for each container listed in the waste stream: Container ID, Waste Stream ID, generation date, vent date, change reason, new closure date, new vent date, container type. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Electronic Filing Order: N/A Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	ENV 1.g.(3)(a)	Delete or destroy when related records are destroyed, or 75 years from creation, whichever occurs later.	Print out after completion of waste stream shipment to WIPP. Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
16	**WASTE DATA SYSTEM (WDS) FORMERLY WIPP WASTE INFORMATION SYSTEM (WWIS) DOCUMENTATION** The WDS is an on-line database system used to document information pertaining to waste, including but not limited to waste container characterization and certification data, produce reports, record shipment configuration details, disposal locations and disposal dates.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 63 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
16a	CCP WDS Documentation CCP WDS packages are created during the process of entering data into the WDS and reporting data on TRU waste. The WDS is a database system that requires input from waste generator sites for shipment of TRU waste payload containers and payload assemblies that are intended for disposal at WIPP. CCP represents the generator sites as the generator and provides input to WDS on behalf of generator sites. These CCP WDS packages contain, but are not limited to, spreadsheets, reports, and correspondence associated with data CCP submits to WDS electronically. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Batch Number Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 64 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
16b	Overpack Loading Forms Documentation pertaining to 55 gallon drums that are overpacked in ten-drum overpack (TDOP)'s and standard waste boxes. Forms include information such as container ID's, surface dose rates, and filter information. Data from these forms is required for data input into WDS. The forms are the TDOP Loading form and the standard waste boxes Loading Form. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Batch Number Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
16c	Radiological Surveys Radiological Surveys are performed to document levels of radiation, contamination conditions of the containers going through the characterization process for CCP CH. These are external records generated by the generator sites. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Drum or Rad Survey Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 65 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
17	**CCP TRANSPORTATION DOCUMENTATION** Transuranic shipment records includes records prepared by the waste generator and other related documentation. CCP transportation packages created during the preparation and transport of drums for burial at the WIPP. May include but not limited to: Payload Container Transportation Certification Document, Uniform Hazardous Waste Manifest, Public Burden Statement, Straight Bill of Lading – Short Form, Land Disposal Restriction Exemption Notification, Dunnage Certification Statement, Container Integrity Checklist, and Varian Porta-Test Leak Detector Calibration Record. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ENV 2.d.(4)	Destroy after 5 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 66 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
18	**CCP PROCEDURES, PLANS and REPORTS** CCP Procedures, plans, and reports document record packages may include but is not limited to the following record: Final document; Documentation that demonstrates approval by designated individuals; Comments and comment resolution (attachments, DRR, emails, letter, etc.); Document revision requests (i.e., initial markup) and DOE/CBFO submittal email within five days of project level review. This line item is separate from AK Summary Reports. **QA Record/Nonpermanent/Validated by authorized signature and date for hard copy file and login and password of authorized personnel.** Media Type: Hard Copy/Electronic Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
19	**CONFIGURATION MANAGEMENT DOCUMENTATION for EQUIPMENT** Configuration management documentation for equipment pertains to the control and oversight of all CCP Mobile Characterization Equipment (MCE) and transportation equipment.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 67 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
19a	Measuring and Test Equipment (M&TE) Documentation M&TE pertains to documents that ensures equipment used for inspection and testing are properly controlled, calibrated, and maintained. This includes but is not limited to the following: Notice of Deficiency, Manufacturer's Certificate of Calibrations, Calibration Interval Documentation, Exemptions and Temporary Extensions and Evaluations/Impact Studies using Out-of-Tolerance Evaluations, as applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Equipment and Date Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 68 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
19b	EPA Tier 1 and Tier 2 Documentation Tier 1 and Tier 2 documentation pertains to the characterization change authorization of the EPA approved waste characterization processes for NDA and VE. Tier changes are documented by memorandum which is the notification of the required change to the waste characterization process. May include various documents. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by appropriate authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 69 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
19c	Radioactive Sources Certificates of Compliance Radioactive Material Packing and Shipping Records include the Certificates of Compliance. Certificates of Compliance for radioactive sources used to calibrate the NDA systems or when performing a function where a source is required to be used in the process. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by Manufacturer's signature and date.** Media Type: Hard Copy Filing Order: Equipment and Date Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	ADM 18.48	Destroy 5 years after Certificate of Compliance has terminated, unless information is received indicating that renewed use is definitely anticipated.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
20	**CCP CH PROCUREMENT RECORDS** Procurement records generated in the acquisition of goods and non-personnel services.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 70 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
20 a	CCP CH Procurement Documentation CCP procurement records that were generated in the acquisition of goods and non-personnel services for CH generator sites. Includes but not limited to the following: Purchase Requisitions/Change Notices; Purchase Orders/Change Notices; Statements of Work; Specifications/Drawings; Qualified Suppliers List (QSL) and attachments; Approval/Variation Requests, and copies of the QA Grading Level Determination Checklist. This is for Quality Level 1 and 2 procurement only. This is held by NWP until completion. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Purchase Order Number Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA and NWP Procurement	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 71 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
20b	CCP CH Receipt Inspection Verification Sheets (RIVS) RIVS and supporting documentation (certificates of analysis/conformance/compliance, calibration certificates, etc.) pertaining to quality source and receipt activities in support of the CCP CH's waste characterization mission. This was named Source Receipt Inspection Verification Sheets (SRIVS) but is now called as titled above (RIVS). May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric - Purchase Order Inclusive Dates: 2002 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 72 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
21	**STANDING ORDERS** Documentation that is a means for management to communicate short-term direction to operators and the documented quarterly review of standing orders. Information such as special operations, data collection, plotting process parameters and other similar short-term matters may be included in standing orders. Standing orders are not used to deviate from procedures but supplement procedures until the procedure can be revised. Includes Standing Order Log. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in office until completion of characterization process for each site. Transmit to CCP Records to be maintained until no longer needed to support audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 73 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
22	**OPERATOR AIDS** Documentation that is used to provide information useful to operators in performing their duties and the semi-annual review of operator aids are still necessary and current. Operator aids may be in many forms such as the latest revision pages out of procedures, handwritten notes, and information tags. Operator aids are viewed as a convenience to the operator, not administrative/technical requirements and or direction. Operator aids that are assigned unique numbers may supplement approved procedures, but shall not be used in lieu of approved procedures. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in office until completion of characterization process for each site. Transmit to CCP Records to be maintained until no longer needed to support audits. Transfer to the WRA within one year for storage and retention.
23	**CONTAINER MANAGEMENT DOCUMENTATION** Container management documentation pertains to the CCP management control and tracking of TRU waste containers during the characterization process.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 74 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
23a	<u>CCP Daily Container Management Forms</u> Documentation which helps in the CCP management, control and tracking of TRU waste containers during the characterization process. Daily Container Management Forms pertain to the inspection of a TRU waste container to determine if the drum can be safety handled and whether repackaging will be required prior to CCP waste characterization or shipment. These forms may have different titles such as Container Inspection Reports, Container Integrity Reports and Daily Production Reports. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2000 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
23b	<u>CCP Scale Calibration Check and Container Weight Information</u> Documentation used to perform a check on the scale used during handling of the drum to acquire the weight of each drum to be processed through the characterization process. Also captures the drums weight and who performed the task. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2001 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval.	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 75 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
23c	<u>CCP Container Travelers</u> Supporting documentation includes but is not limited to miscellaneous worksheets, recorder sheets, other data sheets, and correspondence from where applicable information has been transcribed or summarized in other documentation. CCP Container Travelers are a form that shows the management, control and tracking of waste containers during the characterization process. Form shows the container ID number, waste stream, weight, external temperature and the initials and dates of various NDE, NDA, HSG, VE and GGT personnel. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.c	Destroy when 1 year old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐ DOE X Contractor	2. Page 76 of 76

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
24	**WEEKLY CONDUCT of OPERATIONS – WALK-DOWN CHECKLIST** Records which notify or support worker protection and safety. Weekly Conduct of Operations – Walk-Down Checklists are performed on a weekly basis to provide a walk-down of the equipment and area around the equipment. Documents general safety, housekeeping, procedures, radiological controls, basic and conduct of operations. This is done for all characterization equipment at the Idaho National Laboratory (INL) Site. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: February 2008 to Present Location: CCP Records - SWB and/or WRA	ENV 1.b.(5)(a)	Destroy after 5 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

GEN19

WIPP Records Inventory and Disposition Schedule (RIDS):

NWP / CCP / NTPC **CH** for All Sites

Dated 08/01/2013

Working Copy

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 1 of 45

3. Organization Unit (Creating or Custodial Unit)	4. Date
Nuclear Waste Partnership (NWP)/Central Characterization Project (CCP)/National TRU Program Certification (NTPC)/Remote Handled (RH) for All Sites **4021 National Parks Highway, GSA 212** **Carlsbad, New Mexico 88220**	06/15/2013

5. Signatures (of Appropriate Personnel)

Prepared By	Sheila Pearcy – Lead Records Custodian	Sheila Pearcy 7/23/13 Date	
Approved By	Ed Gulbransen CCP Manager	7/23/13 Date	
Records Liaison Officer		N/A Date	
Records Officer Approval	Michael Fox	7/23/13 Date	

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1	**CCP RH TRAINING DOCUMENTATION FILES** Documentation pertaining to the training and qualification of CCP RH Personnel.			COPY

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 2 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1(a)	<u>CCP RH Employee Individual Training/Qualification Documentation</u> Contractor employee individual folders that contain item 29.1.a records AND also contain: attendance/completion records of training courses or sessions that include subjects dealing with hazardous materials directly applicable to the employee's job or position. Documents the training and qualification and re-qualification of CCP RH Personnel. May include but not limited to the following: appointment letters; qualification letters; correspondence; On-the-Job (OJT) records; completed exams; completed qualification cards; certificates of completion; test drum data sheets; training drum evaluation data sheets; resumes; and Waste Acceptance Plan (WAP) briefings. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **PRIVACY ACT** **Quality Assurance (QA) Records/Nonpermanent/ Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alphabetically Inclusive Dates: 2005 to Present Location: CCP Records – Skeen Whitlock Building (SWB) and/or Waste Isolation Pilot Plant (WIPP) Records Archive (WRA)	ADM 1.29.1.b	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1.a.(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 75 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 3 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1(b)	Employee Individual Medical Examination Contractor employee individual training folders containing ONLY the following, results of medical examinations (only pass/fail and restrictions); balance of results are to be retained in the medical file. Documentation pertaining to the eye examinations performed on the Nondestructive Examination (NDE), Helium Leak Detector (HLD), and Pressure Change Leak Testing (PCLT) personnel on an annual basis. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **PRIVACY ACT** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alphabetically Inclusive Dates: 2005 to Present Location: CCP Records – SWB and/or WRA	ADM 1.29.1.a.4	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1.a.(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 4 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 4 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1(c)	<u>CCP Test Drum Audio/Video Media of Test Drum Qualification</u> Contractor employee individual folders that contain item 29.1.a records AND also contain: attendance/completion records of training courses or sessions that include subjects dealing with hazardous materials directly applicable to the employee's job or position. Contains CCP audio/video media of qualification test performed by NDE personnel. This audio/video media of qualification test is performed by NDE personnel and is the second piece of the qualification. It supports the documentation captured on the supporting hard copy record(s). May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **PRIVACY ACT** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Audio/Video Tape or DVD (Primary and Backup) Filing Order: Alpha-Numeric Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	ADM 1.29.1.b	Cut off at the time of separation or transfer of the employee. Screen out and destroy all item 1.29.1.a.(4) records. Transfer folders with remaining documents to the local Federal Records Center. Destroy 75 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 5 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1(d)	CCP NDE Test Drum Inventories Documentation pertaining to the assembly of NDE test and training drums which are used to qualify radiography operators per CCP-PO-001, CCP Transuranic (TRU) Waste Characterization QA Project Plan (QAPjP) and CCP-QP-002, CCP Qualification and Training Plan. The drum assembly is representative of the Waste Matrix Codes (WMCs) for Waste Stream Profile Forms. CCP NDE Test Drum Inventory Sheet has the Test Drum Identification Number, Date, Summary Category Group, if it has a plastic liner and the contents of the drum. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2005 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending National Archives and Records Administration (NARA) Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 6 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
1(e)	List of Qualified Individuals (LOQI) List of Qualified Individuals is a document that confirms and establishes to the field personnel who is to perform different areas of operations. It is updated each time there is a change to the qualifications of the project personnel. No longer generated as record. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2002 to September 2008 Location: CCP Records - SWB and/or WRA	Disposition Authority Pending National Archives and Records Administration (NARA) Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
1(f)	LOQI – Non-Record List of Qualified Individuals is a document that confirms and establishes to the field personnel who is to perform different areas of operations. It is updated each time there is a change to the qualifications of the project personnel. Record is captured in the individual personnel's qualification training files. Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: September 2008 to Present Location: CCP Records - SWB and/or WRA	Non-Record	Not applicable.	Retain in CCP Record until completion of characterization process for each site or when no longer needed in project files to support daily functions. Screen and purge as needed.
2	**CCP RH CORRECTIVE ACTION MANAGEMENT DOCUMENTATION** Documentation pertaining to the identification, classification, control, and correction of conditions adverse to quality and nonconforming items, activities, and processes associated with the CCP RH – All Sites.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 7 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2(a)	CCP RH Nonconformance Reports (NCRs) Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. NCRs created for the CCP RH sites which document the process for identifying, documenting, controlling, evaluating, and dispositioning nonconforming items. May include Carlsbad Field Office (CBFO) notifications and supporting documentation such as copies of applicable procedures, etc. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cutoff upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention
2(b)	NCR Log Reconciliation Report NCR Log Reconciliation Report documents and verifies that all NCR numbers at the end of each calendar year are reconciled against the Master Log and in the Nonconformance Report Module (NCRM). Includes as attachment the information from NCR logs. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2005 to Present Location: CCP Records – SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process or when no longer needed in project files to support daily functions or audits. Transfer to the WRA for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 8 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2(c)	CCP RH Corrective Action Reports (CARs) Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. CCP RH CARs created for all RH sites which document the process for identifying, documenting, controlling, evaluating, dispositioning, and verifying completion of corrective actions for conditions adverse to quality related failures, malfunctions, deficiencies, and technical inadequacies. May include supporting documentation such as copies of applicable procedures and/or Deficiency Evaluation Form if applicable, Corrective Action Plan and CBFO Notifications. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 9 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
2(d)	CCP RH CAR Log Indexes, lists, registers, and other finding aids used only to provide access to records authorized for destruction. CAR log is a document that is used to assign unique CAR numbers. It identifies the numbers assigned for both issued and voided CARs. The numbering system helps to identify the individual CAR number, facility and facility designee number and the calendar year issued. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy/Electronic Filing Order: Chronologically Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 23.9	Destroy or delete with the related records.	Print out at the end of each calendar year. Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
2(e)	CCP RH Trend Reports Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases or concerns. CCP RH Trend Reports are a review and evaluation of NCRs and CARs generated during the designated reporting period. Reports show negative trends such as quantities of NCRs or CARs generated by site, quantities and types of NCRs/CARs by process, identification of types of nonconformance by process, and programmatic noncompliance by trend codes. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronologically Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 10 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
3	**CCP RH OPERATION LOGBOOKS** Logbooks listing significant action, daily surveillances and maintenance activities occurring during normal operations of applicable facility. Operational Logbooks are used for CCP RH personnel to document technical work processes and daily activities during characterization activities. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 1.e.(6)	Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
4	**CCP QA SUMMARY REPORTING, ASSESSMENT/AUDIT, AND SURVEILLANCE DOCUMENTATION** QA documentation pertaining to the reporting, assessment/audit, and surveillance activities of the CCP RH QA program.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 11 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
4(a)	CCP RH Surveillance Program Documentation Audit and investigative case files and reports that pertain to environmental, health, and safety topics, cases, or concerns. Documentation pertaining to the planning, performing, documenting, and reporting independent surveillances of TRU CCP RH waste characterization activities. Includes surveillance plan formats, surveillance reports, and surveillance checklists. May include supporting documentation. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 22.4	Cut off upon completion of audit or investigation. Destroy when 75 years old.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 12 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
4(b)	CCP RH Surveillance Log Indexes, lists, registers, and other finding aids used only to provide access to records authorized for destruction, EXCLUDING records containing abstracts or other information that can be used as an information source apart from the related records. CCP RH Surveillance log is a document that is used to assign unique surveillance numbers. The numbering system helps to identify the individual surveillance number, facility and facility designee number and the calendar year issued. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy/Electronic Filing Order: Chronologically Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ADM 23.9	Destroy or delete with the related records.	Print out at the end of each calendar year. Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 13 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
5	**CCP RH TRU SOFTWARE QA (SQA) Documentation** Database system development records and documentation records which support the maintenance and operation of tracking systems. CCP RH TRU SQA documentation pertains to the development, procurement, maintenance, and use of computer software that is important to the waste characterization and certification for the CCP RH. Includes but not limited to the following documentation for: Exempt Software, Commercial Off the Shelf (COTS) Software, Application within COTS, Qualified Supplier Software, Non-Qualified Supplier Software, CCP Software. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site and Alphabetically by Software Name Inclusive Dates: 2006 to Present Location: CCP Records – SWB and/or WRA	ENV 1.g(3)(b)	Destroy or delete upon authorized deletion of related system.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
6	**CCP RH VISUAL EXAMINATION (VE) BATCH DATA REPORTS (BDR)** VE constitutes opening a container and physically examining its contents and verifying its physical form. VE is also used to confirm that the physical form of the waste matches its waste stream description. Removal of prohibited items can be performed in this process.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 14 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6(a)	CCP RH VE BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP RH VE BDRs document the physical form of the waste and absence of prohibited items and is performed at the time the waste is actually being placed into the waste container or of video media. BDRs will include but not limited to the following: VE Data Form(s), VE Independent Technical Reviewer (ITR) Checklist, VE Site Project Manager (SPM) Checklist, VE BDR Cover Sheet, VE BDR Table of Contents, and copy of NCR if applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 15 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6(b)	CCP RH Audio/Visual Recording DVD for VE Audio/visual recorded DVDs created for previously packaged waste. VE review is performed using this historical audio/visual media. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Audio/Visual DVDs Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 16 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
6(c)	CCP RH VE Quarterly Reports Environmental monitoring reports provided to identify the progress on the environmental monitoring plans or on other related subjects. VE quarterly reports pertain to the quarterly review performed on randomly selected data completed through SPM review, within the last 3 months. The reports give information regarding the repeat of data generation level review, Validation & Verification (V&V) performed on a minimum of one randomly chosen waste container each quarter. The SPM uses this information to document that the data generation level data review is being performed according to procedures. This includes the request and results correspondence. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature on memorandum.** Media Type: Hard Copy Filing Order: Chronological and Quarter Number Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d(8)(a)	Destroy when 75 years old. Cutoff when reports are superseded, obsolete, or canceled.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
7	**CCP RH DOSE-to-CURIE (DTC) DOCUMENTATION** DTC Process is used to determine the total TRU activity concentrations and the individual isotopic activity in containers of RH TRU waste. Various calibrated probes are used to determine the gamma dose rate.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 17 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
7(a)	CCP RH Waste DTC BDR Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP RH Waste DTC BDRs are assembled data that is generated during the process and compiled to create a BDR package. The BDR includes the following: Measurement Control Report, Container Data Sheet(s), Waste Container DTC Conversion Record(s), Cover Sheet, Table of Contents, Narrative Summary, ITR Checklist, SPM Checklist and copy of NCRs if applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
7(b)	CCP RH Waste Container DTC Conversion Record CCP RH Waste Container DTC Conversion Record is the electronic file created during the DTC process. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date on associated BDR.** Media Type: Electronic – CD Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 18 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8	**CCP RH SAMPLING and ANALYSIS OF GAS SAMPLES BDRs** CCP RH Sampling and Analysis of Gas Samples BDRs are reports that document the analysis of gas samples of Volatile Organic Compounds (VOCs) in Headspace Gas (HSG) samples contained in SUMMA® canisters.			
8(a)	CCP RH Analysis of Gas Samples BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP RH Analysis of Gas Samples BDRs are reports that document the analysis of gas samples of VOCs in HSG samples contained in SUMMA® canisters. May include but not limited to the following: Data Report Cover page and Table of Contents, Sample Identification Table/Analysis Request Form, Sample Custody Documents and Sample Tags, Sample Results, Quality Control (QC) Measurement Results, Calibration Results, and Data Review Checklists and SPM Project Level Checklist. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 19 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8(b)	<u>CCP RH HSG BDRs – Summa Sampling</u> Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP HSG – Summa BDRs that are processed both at data generation level through Project Level V&V in the HSG-Summa Sampling process. May include but not limited to the following: Cover Sheet, Table of Contents, HSG ITR Checklist, HSG Technical Supervisor (TS) Review checklist, HSG Facility QA Officer Review Checklist, 72-hour Temperature Equilibration Plots, Chain-of-Custody/Canister Tag, Sample Drum Data Form, Shipment Request Form (or equivalent), and copy of NCR(s) if applicable. Also includes SPM Checklists. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: March 2004 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 20 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8(c)	CCP RH HSG Transportation BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP RH HSG Transportation BDRs pertain to the process that implements the process to establish the concentration of flammable gas/VOCs, hydrogen, and methane in a waste container intended for shipment in the TRU Package Transporter-II, (TRUPACT-II) or HalfPACT Packaging. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 21 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8(d)	CCP RH HSG Transportation Initial Calibration (ICAL) This document which is the ICAL report for the process that implements the process to establish the concentration of flammable VOCs, hydrogen and methane in a waste container intended for shipment in the TRUPACT-II or HalfPACT packaging. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8(e)	CCP RH HSG Transportation Method Determination Level (MDL) Reports MDL Reports is documentation that supports the process that describes and implements the process to establish the concentration of flammable gas/VOCs, hydrogen and methane in a waste container intended for shipment in the TRUPACT-II or HalfPACT packaging. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 22 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
8(f)	CCP RH HSG Random Sample Selection Memorandums HSG Random Selection Memorandum document the random selection for HSG sampling and analysis. It includes at a minimum a memorandum identifying the random selection with attached HSG Random Sample Selection Listing. **QA Record/Nonpermanent/Validated by authorized signature/initial and date.** Media Type: Hard Copy Filing Order: Chronological and Waste Stream Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
8(g)	CCP RH HSG Quarterly Reports Environmental monitoring reports provided to identify the progress on the environmental monitoring plans or on other related subjects. HSG quarterly reports pertain to the quarterly review performed on HSG data. The reports give information regarding the repeat of data generation level review. V&V performed on a minimum of one randomly chosen waste container each quarter. The SPM uses this information to document that the data generation level data review is being performed according to procedures. This includes the request and results correspondence. **QA Record/Lifetime/Validated by authorized signature/initial and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d(8)(a)	Destroy when 75 years old. Cutoff when reports are superseded, obsolete, or canceled.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 23 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
9	**FIELD REFERENCE STANDARD (FRS) MEMORANDUM** FRS Memorandum is collected to assess the accuracy with which the sampling equipment collects the VOC into SUMMA canisters. The FRS is collected with the first sampling event at a newly certified site and analyzed. The FRS shall contain a minimum of six analytes at concentrations within a range of 10 to 100 ppmv greater than the MDL for each compound. **QA Record/Lifetime/Validated by authorized signature/initial and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2008 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
10	**SOLIDS SAMPLING BDRs** Documentation pertaining to the process of Solids Sampling which is the random sample collection and sample data collection.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 24 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10(a)	Solids Sampling BDRs Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. Documentation pertaining to the process of Solids Sampling which is the random sample collection and sample data collection. The BDR may include but is not limited to the following: Sample Tracking Form, Sample Chain-of-Custody Form, Sampling ITR Checklist, Sampling TS Review Checklist, Sampling Facility QA Officer (FQAO) Review Checklist, Sampling BDR – Table of Contents, Solids Sampling BDR – Cover Sheet, Copy of CCP Waste VE Technique Data Form, Copy of NCR(s) if applicable, Temperature Data Logger Sheets, Certification of Cleanliness for Sampling Equipment, and V&V checklists. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2008 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 25 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10(b)	Solids Analysis BDRs – Analytical Laboratories Department (ALD) Analytical laboratory data packages consisting of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, QC sample results and instrument calibration data, plus a summary of final results for each batch. CCP RH Analysis of Solid Sample BDRs are reports that document the analysis of solid samples of VOC, non-halogenated volatile compounds (NHVOC), semi-volatile compounds (SVOC), Metals, Actinides; Gamma; Inductively-Coupled Plasma Mass Spectrometry (ICP-MS), Liquid Scintillation Counting (LSC); Radiochemistry Analysis; and Radiostrontium. May include but not limited to the following: Data Report, Cover Page, Table of Contents, Sample Custody Documents, Sample Results, QC Results, Calibration Results, Data Review Checklists and SPM Project Level Checklist. May also include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2008 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c.1	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 26 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10(c)	<u>CCP Solid Analysis BDRs – Raw Data Supporting Data Package</u> Analytical laboratory data packages consisting of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, QC sample results and instrument calibration data, plus a summary of final results for each batch. CCP RH Solid Analysis BDRs raw data supporting data packages that document the analysis of VOC, NHVOC, SVOC and metals in solid analysis. These packages may contain but are not limited to the following: Raw Data/Instrument Printouts, copies of applicable pages of Digestion Record and copies of applicable pages of logbooks. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2008 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c.1	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 27 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10(d)	Solids Sampling Random Selection Memorandum Solids Sampling Random Selection Memorandums document the random selection for solids sampling and analysis. It includes at a minimum a memorandum identifying the random selection with attached Solids Random Sample List/Waste Stream Container List. **QA Record/Nonpermanent/Validated by authorized signature/initial and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 28 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
10(e)	Completed Chain-of-Custody Forms These data packages consist of documentation generated during transport and receipt of field samples, sample movement in the laboratory, preparation for analysis, laboratory analyses output, raw and processed data, analytical results, reanalysis, quality control sample results and instrument calibration data, plus a summary of final results for each batch. Chain-of-Custody Forms which have been completed document all transfers of sample custody from collection to disposal. The form contains at a minimum, the sample numbers, the date and times of transfers, and the signatures of the relinquishing and accepting parties. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2008 to Present Location: CCP Records - SWB and/or WRA	ENV 5.c.1	Destroy in 75 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
11	**CCP RH ACCEPTABLE KNOWLEDGE (AK) DOCUMENTATION** AK Documentation supports the knowledge used for waste characterization, which is based on the materials and processes used to generate a waste. AK includes information about the physical form of the waste, the base materials composing the waste (especially hazardous and radioactive materials) and the process that generated the waste. AK is used to define waste streams, assign summary categories, assign United States Environmental Protection Agency (EPA) hazardous waste numbers, estimate the weight fraction of cellulose, plastic, and rubber (CPR), and estimated isotopic ratios.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 29 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(a)	CCP RH AK Documentation Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK documentation is compiled, reviewed, evaluated, confirmed and reported. It supports the related AK Summary Report. The following documentation may include but is not limited to: AK Documentation Checklist; Record of Communication; AK Source Document Summary - Attachments 3's- may included attached CCP generated source documents – prior to 11/01/2010 the Attachment 3's included as attachment both the site generated and CCP generated source documents; AK Source Document Reference List; Hazardous Constituents Waste Form(s); Waste Form, Waste Material Parameters, Prohibited Items and Packaging Forms with Waste Material Parameter Evaluation Memorandum; Radionuclides Forms – may include Nondestructive Assay (NDA) Memorandum; Waste Containers List – may have additional Memorandums as addendums to the Attachment 8; Acceptable Knowledge Re-evaluation Checklist; AK Source Document Discrepancy Resolution – includes AK Source Document Source Summary Forms as attachments; CCP Waste Stream Characterization Checklist; CCP TRU Waste Correlation and Surrogate Summary Form; AK Sufficiency Determination Request - memorandum and SPM notifications (emails, letters, memorandums, etc.), as applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature/initial and date.**	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 30 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
	Media Type: Hard Copy Filing Order: By Site and AK Report or AK Library Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA			
11(b)	AK Historical Source Documents Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK historical source documents are external records that have been generated by the waste generating sites. Copies are collected and submitted to support the listing of AK source documents referenced in the correlating AK Summary Report. They may be categorized as follows: Correspondence; Documents; Miscellaneous; Procedures and Published Documents; Discrepancy Resolution; and Unpublished Documents. These records must be maintained in parallel to the correlating AK Document Summaries and CCP source documents. Media Type: Electronic - PDF files, databases, video Filing Order: Site, AK Report or AK Library –Alpha-numeric Inclusive Dates: 1957 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer with related AK Record Set. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 31 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(c)	CCP RH AK Summary, Technical Reports and Plans Hazardous waste reports, hazardous substance reports, waste characterization reports, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Resource Conservation and Recovery Act (RCRA) unit reports. CCP RH AK Summary Reports, Technical Reports and Plans are documentation which supports the knowledge used for waste characterization, which is based on the materials and processes used to generate a waste. AK reports include information about the physical form of the waste, the base materials composing the waste (especially hazardous and radioactive materials) and the process that generated the waste. AK reports define waste streams, assign summary categories, assign EPA hazardous waste numbers, estimate the weight fraction of CPR, and estimated isotopic ratios. May include but is not limited to the following: Documentation that demonstrates approval by designated individuals; Comments and comment resolution (attachments, Document Review Resolution (DRR), emails, letter, etc.); Document revision requests (i.e., initial markup) and DOE/CBFO submittal email within five days of project level review. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 1.d(10)(a)	Permanent. Cutoff when waste is disposed of. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 32 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(d)	AK Accuracy Report Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. AK Accuracy Reports document that the AK accuracy is evaluated either on a lot or waste stream basis. The report documents the results of the evaluation for container in a waste stream. It may include but is not limited to Inter-Office Correspondence with attached CCP AK Accuracy Report and CCP Correlation of Containers Identification Numbers to BDR Numbers. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Report and Waste Stream Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 33 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(e)	CCP RH AK QA Equivalency Demonstration Report Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP AK QA Equivalency Demonstration Report is a document that shows the decision process, the criteria for qualifying data through this method, and the criteria used for qualifying the data to demonstrate QA Equivalency. This report ensures RH TRU waste characterization information generated under a historic QA program complies with the applicable Data Quality Objectives (DQOs) and programmatic requirements specified in the RH TRU Waste Characterization Program Implementation Plan (WCPIP). This includes a procedures matrix providing a cross walk that identified the generator site plans and procedures that implement the applicable requirements of the QA Program Document (QAPD). May include but is not limited to the following records: Documentation that demonstrates approval by designated individuals; Comments and comment resolution (attachments, DRR, emails, letter, etc.); Document revision requests (i.e., initial markup) DOE/CBFO submittal email within five days of project level review; and Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 34 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(f)	CCP RH AK Characterization Reconciliation Report (CRR)Records indicating type (classification) and degree of contamination, date of disposal, method of disposal (burial, landfill, etc.), volume, and disposal location. Records may include engineering studies, reports of unusual problems encountered during removal or treatment. CCP AK CRR is a report that provides the methodology for data reconciliation with the DQOs provided in the WCPIP, following data V&V by the SPM. The reconciliation is performed at the waste stream or waste stream lot level. It includes but is not limited to the following: RH CRR Container Data Work Sheet 1, RH CRR Container Data Sheet 2, RH CRR DQOs, RH CRR QA Objectives (QAOs), RH CRR Cover Sheet, RH CRR Construction Sheet, RH CRR SPM/AKE Comment Sheet, and summary of Radiological Results by Container. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Summary Report and Lot Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 6.b	Permanent. Cutoff 5 years after disposal. Transfer to NARA 25 years after cutoff.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 35 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(g)	<u>CCP RH Reconciliation with Data Objective Reports</u> Reconciliation with Data Objective Reports includes the Data Reconciliation and Reporting Routing Sheet, Reconciliation with Data Objective, WIPP Waste Stream Profile, and Characterization Information Summary. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Summary Report, Waste Stream Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
11(h)	<u>CCP RH HSG Summary Data Report</u> HSG Summary Data Report includes the Correlation of Container ID Numbers to HSG Sample ID Number Form, UCL_{90} Evaluation Form, Data Evaluation Narrative, Waste Steam Lot Tentatively Identified Compounds, and SPM Narrative. It may also include the Radiography/VE Comparison Report (with copy of trending chart). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Site, AK Summary Report, Waste Stream Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 36 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
11(i)	CCP RH AK Container Tracking Spreadsheet Any electronic or manual system that tracks and produces records of wastes, from cradle to grave, from generator, storage or transported locations, including laboratory processing. AK Container Tracking Spreadsheet is a spreadsheet that identifies the following minimum criterion for each container listed in the waste stream: Container ID, Waste Stream ID, generation date, vent date, change reason, new closure date, new vent date, container type. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Electronic/Hard Copy Filing Order: Site Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 1.g(3)(a)	Delete or destroy when related records are destroyed, or 75 years from creation, whichever occurs later.	Print out after completion of waste stream shipment to WIPP. Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 37 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
12	**CCP PROCEDURES, PLANS, AND REPORTS** CCP Procedures, plans, and reports document record packages may include but is not limited to the following record: Documentation that demonstrates approval by designated individuals; Comments and comment resolution (attachments, DRR, emails, letter, etc.); Document revision requests (i.e., initial markup) and DOE/CBFO submittal email within five days of project level review. This line item is separate from AK Summary Reports and the AK QA Equivalency Demonstration Reports. **QA Record/Nonpermanent/Validated by authorized signature and date for hard copy file and login and password of authorized personnel.** Media Type: Hard Copy Filing Order: Alpha-Numeric - Procedure Numbers Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
13	**CCP RH PROCUREMENT RECORDS** Procurement records generated in the acquisition of goods and non-personnel services.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 38 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
13(a)	CCP RH Procurement Documentation CCP procurement records that were generated in the acquisition of goods and non-personnel services for RH generator sites. Includes but not limited to the following: Purchase Requisitions/Change Notices; Purchase Orders/Change Notices; Statements of Work; Specifications/Drawings: Qualified Suppliers List (QSL) and attachments; Approval/Variation Requests, and copies of the QA Grading Level Determination Checklist. This is for Quality Level 1 and 2 procurements only. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Purchase Order Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA and	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
13(b)	CCP RH Receipt Inspection Verification Sheets (RIVS) RIVS and supporting documentation (certificates of analysis/conformance/compliance, calibration certificates, etc.) pertaining to quality source and receipt activities in support of the CCP RH's waste characterization mission. This was named Source Receipt Inspection Verification Sheets (SRIVS) but is now called as titled above – RIVS. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric by Purchase Order Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 39 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
14	**STANDING ORDERS for RH Sites** Documentation that is a means in which management communicates short-term direction to operators and the documented quarterly review of standing orders. Information such as special operations, data collection, plotting process parameters and other similar short-term matters may be included in standing orders. Standing orders are not used to deviate from procedures but supplement procedures until the procedure can be revised. Includes Standing Order Log. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized initial/signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in office until completion of characterization process for each site. Transmit to CCP Records to be maintained until no longer needed to support audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 40 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
15	**CCP RH OPERATOR AIDS** Documentation that is used to provide information useful to operators in performing their duties and the semi-annual reviews that operator aids are still necessary and current. Operator aids may be in many forms such as the latest revision of pages out of procedures, hand written notes, and information tags. Operator aids are viewed as a convenience to the operator, not administrative/technical requirements and/or direction. Operator aids assigned unique numbers may supplement approved procedures, but shall not be used in lieu of approved procedures. **QA Record/Nonpermanent/Validated by authorized initial/signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in office until completion of characterization process for each site. Transmit to CCP Records to be maintained until no longer needed to support audits. Transfer to the WRA within one year for storage and retention.
16	**CCP RH WASTE DATA SYSTEM (WDS) FORMERLY WIPP WASTE INFORMATION SYSTEM (WWIS) and TRANSPORTATION DOCUMENTATION** The WDS is an on-line database system used to document information pertaining to waste, including but not limited to waste container characterization and certification data, produce reports, record shipment configuration details, disposal locations and disposal dates. Transportation documentation is the transportation packages created during the preparation and transport of drums for burial at the WIPP.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 41 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
16(a)	CCP RH WDS Documentation The WDS is an on-line database system used to document information pertaining to the waste, including but not limited to waste container characterization and certification data, produce reports, record shipment configuration details, disposal locations and disposal dates. CCP RH WDS package is created during the process entering data into the WDS and reporting data on TRU waste. The WDS is a database system that requires input from waste generator sites for shipment of TRU waste payload containers and payload assemblies that are intended for disposal at WIPP. CCP represents all RH sites as the generator and provides input to WDS on behalf of all RH sites. The CCP RH WDS packages contain, but are not limited to spreadsheets, reports, and correspondence associated with data CCP submits to WDS electronically. **QA Record/Lifetime/Validated by authorized initial/signature and date.** Media Type: Hard Copy Filing Order: Site and WDS Batch Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 42 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
16(b)	Radiological Surveys Radiological Surveys are performed to document levels of radiation, contamination conditions of the containers going through the characterization process for CCP RH. These are external records generated by the generator sites. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Rad Survey Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
16(c)	Removable Lid Canister (RLC) Loading Forms RLC Loading Forms are completed during the process of loading RH containers into the RLC for shipment in the RH-TRU- 72-B Cask for the CCP. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric Canister Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 43 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
17	**TRANSPORTATION DOCUMENTATION** TRU shipment records includes records prepared by the waste generator and other related documentation. CCP RH transportation packages created during the preparation and transport of drums for burial at the WIPP. May include but not limited to: Payload Container Transportation Certification Document, Uniform Hazardous Waste Manifest, Public burden Statement, Straight Bill of Lading – Short Form, Land Disposal Restriction Exemption Notification, Dunnage Certification Statement, Container Integrity Checklist and Leak Test Report. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **EPIDEMIOLOGICAL** **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Alpha-Numeric by Shipment Number Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	ENV 2.d(4)	Destroy after 5 years.	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
18	**CONFIGURATION MANAGEMENT DOCUMENTATION for EQUIPMENT** Configuration Management documentation for equipment pertains to the control and oversight of CCP Mobile Characterization Equipment (MCE) and transportation equipment.			

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 44 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
18(a)	Measuring and Test Equipment (M&TE) Documentation M&TE pertains to documents that ensure equipment used for inspection and testing are properly controlled, calibrated, and maintained. This includes but is not limited to the following: notice of Deficiency, Manufacturer's Certificate of Calibrations, Calibration Interval Documentation, Exemptions and Temporary Extensions and Evaluations/Impact Studies using Out-of-Tolerance Evaluations, as applicable. May include Attachment 2, CCP Records Transmittal/Receiving Form(s). **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Equipment and date Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.
18(b)	EPA Tier 1 and Tier 2 Documentation Tier 1 and Tier 2 documentation pertains to the characterization change authorization of the EPA approved waste characterization processes for NDA and VE. Tier changes are documented by memorandum which is the notification of the required change to the waste characterization process. May include various supporting documents. **QA Record/Nonpermanent/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2006 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

Waste Isolation Pilot Plant RECORDS INVENTORY AND DISPOSITION SCHEDULE (RIDS)	1. ☐DOE X Contractor	2. Page 45 of 45

6. Item No.	7. Filing Series Title, Description, Any Special Categories, Media Types, Filing Order, Inclusive Dates and Location:	8. Disposition Authority	9. Authorized Disposition Instructions	10. Transfer Instructions
19	**CONTAINER FILTER INSTALLATION FORMS & DRUM INFORMATION SHEETS** Container Filter Installation Forms and Drum Information Sheets are generated and completed by the host site at Argonne National Laboratory – East (ANL-E). Container Filter Installation Forms provide container numbers, filter information, Equipment Serial Number and Calibration Due Date. The Drum Information Sheet provides drum numbers, radiation readings, filter information, lid information, and storage cask numbers. **QA Record/Lifetime/Validated by authorized signature and date.** Media Type: Hard Copy Filing Order: Chronological Inclusive Dates: 2007 to Present Location: CCP Records - SWB and/or WRA	Disposition Authority Pending NARA Approval	UNSCHEDULED -Do Not Destroy-	Retain in CCP Records until completion of characterization process for each site or when no longer needed in project files to support daily functions or audits. Transfer to the WRA within one year for storage and retention.

GEN20

WIPP Records Inventory and Disposition Schedule (RIDS):

NWP / CCP / NTPC **RH** for All Sites

Dated 07/23/2013

GEN21

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	SC1890008989	1	(803)725-3333	000148443 MWI

GENERATOR

5. Generator's Name and Mailing Address
SRNS, LLC., ON BEHALF OF THE U.S. DOE
BLDG. 704-34E SAVANNAH RIVER SITE ATTN: ROSS FANNING
AIKEN SC 29808
Generator's Phone: (803)208-1197

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CAST SPECIALTY TRANSPORTATION INC.
U.S. EPA ID Number: COR000206722

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U. S. DOE IN CARE OF WIPP; NUCLEAR WASTE PARTNERSHIP, LLC
30 MILES SE. OF CARLSBAD ON JAL HIGHWAY
CARLSBAD NM 88221
Facility's Phone: (575)234-8125
U.S. EPA ID Number: NM4890139088

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. UN2916, Waste Radioactive Material, Type B(U) Package, 7, Pu-238, solid/oxide, RADIOACTIVE YELLOW-II, TI= 0.5, FISSILE EXCEPTED, USA/9305/B(U)F-96, 0.049 TBq.	1	CM	1711	K	F002	F005	U133
						D006	D007	D008
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
IF UNDELIVERABLE, RETURN TO GENERATOR. SEND CERTIFICATE OF DISPOSAL TO ROSS FANNING.
SRNS BOL# HMT-669-00464. LDR NOTIFICATION ON FILE. 741# VZD-VPA-1570. ERG# 163
9B 1. TRUPACT # 002 - 21,257 KG
TRACTOR C- 29 TRAILER # 704 SHIPMENT # SR313114

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: F. D. WOOLDRIDGE ON BEHALF OF THE U. S. DOE
Signature: F.D. Wooldridge
Month 11 Day 12 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Pierce
Signature: James Pierce
Month 11 Day 12 Year 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	SC1890008989	1	(803)725-3333	000148444 MWI

GENERATOR

5. Generator's Name and Mailing Address
SRNS, LLC., ON BEHALF OF THE U.S. DOE
BLDG. 704-34E SAVANNAH RIVER SITE ATTN: ROSS FANNING
AIKEN SC 29808
Generator's Phone: (803)208-1197

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: VISIONARY SOLUTIONS LLC. U.S. EPA ID Number: NMR000013086

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
U. S. DOE IN CARE OF WIPP; NUCLEAR WASTE PARTNERSHIP, LLC
30 MILES SE. OF CARLSBAD ON JAL HIGHWAY
CARLSBAD NM 88221
Facility's Phone: (575)234-8125
U.S. EPA ID Number: NM4890139088

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. UN2916, Waste Radioactive Material, Type B(U) Package, 7, Pu-238, solid/oxide, RADIOACTIVE YELLOW II, TI= 0.5, FISSILE EXCEPTED, USA/9305/B(U)F-96, 0.514 TBq.	1	CM	1639	K	F002	F005	U133
						D006	D007	D008
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
IF UNDELIVERABLE, RETURN TO GENERATOR. SEND CERTIFICATE OF DISPOSAL TO ROSS FANNING.
SRNS BOL# HMT-669-00465. LDR NOTIFICATION ON FILE. 741 # VZD-VPA-1571. ERG# 163
9B 1. TRUPACT # 003 - 21,125 KG.
TRACTOR V- 25 TRAILER # 705 SHIPMENT # SR313115

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: F. D. WOOLDRIDGE ON BEHALF OF THE U. S. DOE
Signature: F.D. Wooldridge
Month: 11 Day: 13 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Richard Austin Signature: Month: 11 Day: 13 Year: 13
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

GEN22

CCP - Savannah River Site (SRS)
List of Qualified Individuals
11/1/2013 11:37 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Adams, James	Operator/ITR **SME/OJT** Expert	10/2015	05/21/14
	Davis, Will	Operator/ITR	11/2014	01/14/14
	Harley, Anthony	Operator/ITR **SME/OJT**	09/2015	Cannot perform operations until site training is complete.
	Kinard, Stacy	Operator/ITR	04/2014	03/04/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA NABC	Brashears, J. Blake	Operator/ITR **SME/OJT** NCR "K" Code Designee	02/2015	03/20/14
	Carlton, Tim	Operator/ITR NCR "K" Code Designee	12/2014	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Crosby, Daniel	Operator/ITR	08/2015	Cannot perform operations until site training is complete.
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Morales, Bart	Expert Analyst	N/A	N/A
	Remington, Daniel	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator/ITR	08/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2015	01/31/14
	Wachter, Joe	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

CCP - Savannah River Site (SRS)
List of Qualified Individuals
11/1/2013 11:37 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John*	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	12/04/13
	Kareis, Georgia*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	12/04/13
	Simpson, Kenneth Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 04/2015 SNT-TC-1A – 02/27/2016 Training Cont. – 04/2014	Cannot perform operations until site training is complete.

***Site qualified to operate the LCNDE.**

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	De Bruyn Kops, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	Cannot perform operations until site training is complete.
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	**11/2013**	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR NCR "K" Code Designee	08/2015	Cannot perform operations until site training is complete.
	Poirier, Joe	Operator/ITR	02/2014	Cannot perform operations until site training is complete.

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-W027-221F-Het-A	SR-W027-FB-Pre86-C	SR-W026-221F-HEPA	SR-W026-221F-HET	SR-W026-221F-HET-A	SR-W026-221F-HOM	SR-W027-221H-HEPA	SR-W027-221H-HET	SR-W027-221H-HET-C	SR-W027-221H-HET-D	SR-W027-221H-HOM	SR-W027-HBL-BOX	SR-W026-772F-HET	SR-W027-235F-HEPA	SR-W027-235F-HET	SR-W027-235F-HOM	SR-W027-773A-HET	SR-W027-773A-HOM
		AK-1	AK-2	AK-3				AK-4						AK-5	AK-6			AK-7	
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony	X	X											X	X	X	X	X	X
	Kinard, Stacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-MD-HET	SR-MD-HOM-A	SR-MD-HOM-C	SR-MD-SOIL	SR-MD-PAD1	SR-LA-PAD1	SR-AGNS-HET	SR-AGNS-HOM	SR-SWMF-HET-A	SR-SWMF-HET-B	SR-SDD-HET-A	SR-SDD-HOM-A	SR-SDD-HOM-B	SR-W027-321-322M-HET	SR-W027-321M-HOM	SR-DWPF-HET	SR-NIST-HET	SR-KAC-HET	SR-KAC-HET-A
		AK-8				AK-9	AK-10	AK-11		AK-12		AK-13			AK-14		AK-15	AK-16	AK-18	
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony					X						X	X	X	X	X	X	X		
	Kinard, Stacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-BCLDP-HET	SR-HBL-235F-HET	SR-221H-PuOx	SR-BCLDP.003.001	SR-BCLDP.004.004
		AK-19	AK-20	AK-21	AK-530	AK-540
RTR	Brookshire, John	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X
	Simpson, Dale	X	X		X	X
VE	Adams, James	X	X	X	X	X
	Davis, Will	X	X	X	X	X
	Harley, Anthony	X			X	X
	Kinard, Stacy	X		X	X	X

DIVIDER

PAGE

CCP - RH Program - SRS
List of Qualified Individuals
11/1/2013 11:39 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	**Harley, Anthony**	Operator/ITR (Includes Gravimetric) **SME/OJT**	06/2015	Cannot perform operations until site training is complete.
	Mojica, Tommy	Operator/ITR (Includes Gravimetric) **SME/OJT** NCR "K" Code Designee	07/2015	Cannot perform operations until site training is complete.
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) Expert **SME/OJT** NCR "K" Code Designee	06/2015	Cannot perform operations until site training is complete.
	Root, Wes	Operator/ITR (Includes Gravimetric) **SME/OJT**	08/2015	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	**Brookshire, John**	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	12/04/13
	Kareis, Georgia	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	12/04/13

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	**Brashears, Blake**	Operator/ITR NCR "K" Code Designee	06/2014	03/20/14
	Carlton, Tim	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	04/01/14
	Schneider, Mike	Operator/ITR	04/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	01/31/14
	Whitson, Ron	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2014	Cannot perform operations until site training is complete.

CCP - RH Program - SRS
List of Qualified Individuals
11/1/2013 11:39 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
ISOCS	**Brashears, Blake**	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	**Adams, James**	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

RH SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:39 AM

		SR-RL-BCLDP.001	SR-RL-BCLDP.002	SR-BCLDP.001.001	SR-BCLDP.001.002	SR-BCLDP.002	SR-BCLDP.003	SR-BCLDP.004.002	SR-BCLDP.004.003	SR-RH-772F.01	SR-RH-235F.01	SR-RH-773A.01	SR-RH-FBL.01	SR-RH-FBL.02	SR-RH-221H.01	SR-RH-221H.02	SR-RH-MNDPAD1.01	SR-RH-SDD.01	SR-RH-SWD.01
		AK-500		AK-510		520	530	AK-540		550	560	570	AK-580		AK-600		620	630	640
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
VE	Harley, Anthony						X											X	
	Mojica, Tommy						X												
	Pattee, Spencer Troy						X											X	
	Root, Wes	X	X															X	

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Central Characterization Project	**HSG-01, Rev. 0**
Effective date: 06/17/2010	**Page 1 of 6**

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	**Badge Number:** [redacted]
Email Address: [redacted]	

Education/Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	10/6/11 CCP Training — Date

Job Specific Training

☐ **Initial Qualification** ☑ **Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	The On-the-Job Training (OJT) Knowledge Requirements do not need to be completed for requalification.

Indoctrination
(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
2. CCP-QP-002, *CCP Training and Qualification Plan*
3. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
4. CCP-QP-006, *CCP Corrective Action Reporting and Control*
5. CCP-QP-008, *CCP Records Management*
6. CCP-QP-010, *CCP Document Preparation, Approval and Control*
7. CCP-QP-016, *CCP Control of Measuring, Testing and Equipment*
8. CCP-QP-022, *CCP TRU Software Quality Assurance*
9. CCP-QP-023, *CCP Handling, Storage and Shipping*
10. CCP-TP-093, *CCP Sampling of TRU Waste Containers*
11. CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Erik Loechell — 10-6-11 Trainee Signature — Date

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	**Badge Number:** [redacted]
Email Address: [redacted]	

Additional Training Requirements		
1. WAP/QAPjP Briefing and Test. *(One-time requirement)*		10/6/11
	CCP Training	Date

Formal Training	**OJT Knowledge Requirements** *(Required at initial qualification, or in the event of requalification after disqualification only.)*	**Subject Matter Expert (SME) Signature/Date**
CCP-PO-001	1. List the Quality Assurance objectives validated by HSG.	090811
CCP-QP-002	2. State the purpose of the List of Qualified Individuals (LOQI).	090811
CCP-QP-005	3. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	090811
	4. Describe how nonconforming items are documented.	090811
	5. Describe how nonconforming items are controlled to prevent their use.	090811
	6. State who has the responsibility to validate the NCR once initiated.	090811
CCP-QP-006	7. Describe the purpose of the corrective action report (CAR) process.	090811
	8. State who has the responsibility for originating a CAR.	090811
	9. Describe how corrective actions are documented.	090811
	10. State who has the responsibility to validate the CAR once initiated.	090811
	11. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	090811
CCP-QP-008	12. List the responsibilities of record generators.	090811

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	**Badge Number:** [redacted]
Email Address: [redacted]	

	13. State the storage and control requirements for CCP records.	090811
	14. Explain the process and proper method to make corrections or revisions to CCP Records.	090811
CCP-QP-010	15. State the importance of using approved documents.	090811
	16. State when to verify a document revision.	090811
CCP-QP-016	17. List the Measuring & Testing Equipment (M&TE) items that are used during headspace gas (HSG) sampling operations.	090811
CCP-QP-022	18. Describe the process for making changes to equipment computer software.	090811
CCP-TP-093	19. Describe where the field blank samples should be collected.	090811
	20. Explain the possible hazards associated with the sampling process.	090811
	21. Describe how to verify the drum age criteria (DAC).	090811
	22. State the required time and temperature to ensure the waste containers have equilibrated.	090811
	23. State the number of components in a single unit needle assembly.	090811
	24. State the number of components of a duplicate unit needle assembly.	090811
	25. Explain the need for a cleanliness certification for the needle assembly.	090811
	26. Explain how to perform a leak check of the needle assembly and why it is necessary.	090811
	27. State the evacuation requirements of the sample canisters and what is done if requirements aren't met.	090811
	28. State the actions taken if a needle assembly does not have a filter gasket.	090811

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	**Badge Number:** [redacted]
Email Address: [redacted]	

CCP-TP-106	29. Explain how to prevent damage to the needle and needle assembly while performing sampling activities.	092211
	30. State the initial and final pressure requirements for SUMMA canisters when sampling.	092211
	31. State the maximum time allowed for canisters to reach equilibrium when sampling.	092211
	32. Explain the actions taken if the canister pressure does not reach equilibrium.	092211
	33. State when a field reference sample (FRS) is collected.	092211
	34. Explain the proper disposition of used needle assemblies.	092211
	35. Explain the need for a chain of custody and tamper indication device (TID).	092211
	36. Define Independent Technical Reviewer (ITR) and its purpose.	092211
	37. Describe your involvement in data generation level non-conformance reports (NCRs) according to CCP-QP-005.	092211
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME Signature/Date**
CCP-TP-093	1. Perform pre-requisite actions.	092911
	2. Verify presence of acceptable waste container filter or port.	092911
	3. Verify waste container has been vented properly.	092911
	4. Record waste container data on Attachment 2.	092911
	5. Assemble single unit needle.	092911

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	Badge Number: [redacted]
Email Address: [redacted]	

	6. Assemble duplicate unit needle.	092911
	7. Prepare canister/needle assembly for cleanliness certification.	092911
	8. Record needle assembly information on Attachment 1.	092911
	9. Perform leak check of needle assembly.	092911
	10. Perform needle assembly cleanliness certification sample (equipment blank).	092911
	11. Attach needle assembly to canister.	092911
	12. Collect equipment blank sample.	092911
	13. Collect field blank sample.	092911
	14. Collect field reference sample.	092911
	15. Collect gas sample from waste container.	092911
	16. Collect duplicate gas sample from waste container.	092911
	17. Complete Attachment 1.	092911
	18. Perform packaging of canisters for transport.	092911
CCP-TP-106	19. Assemble batch data report (BDR).	092911
	20. Perform ITR.	092911

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Erik Loechell	**Badge Number:** [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an HSG Operator/ITR.	Erik Loechell Erik Loechell 10-6-11 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an HSG Operator/ITR. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Tommy Maier 092911 SME/OJT Instructor *(printed name and signature)* Date
	N/A SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of an HSG Operator/ITR.	Craig Simmons 10-6-11 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Approval on file** **6/17/2010**
HSG SME *(printed name and signature)* Date

Approved for Content & Format: **Approval on file** **6/17/2010**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Approval on file** **6/17/2010**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **Approval on file** **6/17/2010**
CCP Manager Responsible for Training *(printed name and signature)* Date

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PAGE

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Central Characterization Project
Effective Date: 11/30/11

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams **Badge Number:** [redacted]

Email Address: [redacted]

Education/Experience

CCP-QP-002 does not identify any education/experience requirements for the position. A resume is on file with Central Characterization Project (CCP) Training.	Michelle Billett 6/8/12 CCP Training Date

Job Specific Training

☒ **Initial Qualification** ☐ **Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
2. CCP-QP-002, *CCP Training and Qualification Plan*
3. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
4. CCP-QP-006, *CCP Corrective Action Reporting and Control*
5. CCP-QP-008, *CCP Records Management*
6. CCP-QP-010, *CCP Document Preparation, Approval and Control*
7. CCP-QP-016, *CCP Control of Measuring, Testing and Equipment*
8. CCP-QP-023, *CCP Handling, Storage and Shipping*
9. CCP-TP-093, *CCP Sampling of TRU Waste Containers*
10. CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	[signature] 6/7/12 Trainee Signature Date

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams **Badge Number:** [redacted]
Email Address: [redacted]

Additional Training Requirements

1. WAP/QAPjP Briefing and Test. *(One-time requirement)* — Michele Billett 6/8/12 (CCP Training / Date)

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at initial qualification, or in the event of requalification after disqualification only)*	Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the Quality Assurance objectives validated by HSG.	JO 06-07-12
CCP-QP-002	2. State the purpose of the List of Qualified Individuals (LOQI).	JO 06-07-12
CCP-QP-005	3. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	JO 06-07-12
	4. Describe how nonconforming items are documented.	JO 06-07-12
	5. Describe how nonconforming items are controlled to prevent their use.	JO 06-07-12
	6. State who has the responsibility to validate the NCR once initiated.	JO 06-07-12
CCP-QP-006	7. Describe the purpose of the corrective action report (CAR) process.	JO 06-07-12
	8. State who has the responsibility for originating a CAR.	JO 06-07-12
	9. Describe how corrective actions are documented.	JO 06-07-12
	10. State who has the responsibility to validate the CAR once initiated.	JO 06-07-12
	11. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	JO 06-07-12
CCP-QP-008	12. List the responsibilities of record generators.	JO 06-07-12

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams **Badge Number:** [redacted]
Email Address: [redacted]

	13. State the storage and control requirements for CCP records.	06.07.12
	14. Explain the process and proper method to make corrections or revisions to CCP Records.	06.07.12 06.07.12
CCP-QP-010	15. State the importance of using approved documents.	06.07.12
	16. State when to verify a document revision.	06.07.12
CCP-QP-016	17. List the Measuring & Testing Equipment (M&TE) items that are used during headspace gas (HSG) sampling operations.	06.07.12
CCP-TP-093	18. Describe where the field blank samples should be collected.	06.07.12
	19. Explain the possible hazards associated with the sampling process.	06.07.12
	20. Describe how to verify the drum age criteria (DAC).	06.07.12
	21. State the required time and temperature to ensure the waste containers have equilibrated.	06.07.12
	22. State the number of components in a single unit needle assembly.	06.07.12
	23. State the number of components of a duplicate unit needle assembly.	06.07.12
	24. Explain the need for a cleanliness certification for the needle assembly.	06.07.12
	25. Explain how to perform a leak check of the needle assembly and why it is necessary.	06.07.12
	26. State the evacuation requirements of the sample canisters and what is done if requirements aren't met.	06.07.12
	27. State the actions taken if a needle assembly does not have a filter gasket.	06.07.12
	28. Explain how to prevent damage to the needle and needle assembly while performing sampling activities.	06.07.12

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams **Badge Number:** [redacted]
Email Address: [redacted]

CCP-TP-106	29. State the initial and final pressure requirements for SUMMA canisters when sampling.	06.07.12
	30. State the maximum time allowed for canisters to reach equilibrium when sampling.	06.07.12
	31. Explain the actions taken if the canister pressure does not reach equilibrium.	06.07.12
	32. State when a field reference sample (FRS) is collected.	06.07.12
	33. Explain the proper disposition of used needle assemblies.	06 07.12
	34. Explain the need for a chain of custody and tamper indication device (TID).	06.07.12
	35. Define Independent Technical Reviewer (ITR) and its purpose.	06 07.12
	36. Describe your involvement in data generation level non-conformance reports (NCRs) according to CCP-QP-005.	06.07.12
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME/OJT Signature/Date**
CCP-TP-093	1. Perform pre-requisite actions.	06 07.12
	2. Verify presence of acceptable waste container filter or port.	06.07.12
	3. Verify waste container has been vented properly.	06.07.12
	4. Record waste container data on Attachment 2.	06.07.12
	5. Assemble single unit needle.	06 07.12
	6. Assemble duplicate unit needle.	06 07.12

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams **Badge Number:** [redacted]
Email Address: [redacted]

	7. Prepare canister/needle assembly for cleanliness certification.	06.07.12
	8. Record needle assembly information on Attachment 1.	06.07.12
	9. Perform leak check of needle assembly.	06.07.12
	10. Perform needle assembly cleanliness certification sample (equipment blank).	06.07.12
	11. Attach needle assembly to canister.	06.07.12
	12. Collect equipment blank sample.	06.07.12
	13. Collect field blank sample.	06.07.12
	14. Collect gas sample from waste container.	06.07.12
	15. Collect duplicate gas sample from waste container.	06.07.12
	16. Complete Attachment 1.	06.07.12
	17. Perform packaging of canisters for transport.	06.07.12
CCP-TP-106	18. Assemble batch data report (BDR).	06.07.12
	19. Perform ITR.	06.07.12

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: James Adams	**Badge Number:** [redacted]
Email Address: [redacted]	

Approvals		
I have completed formal training and received OJT for this position. I fully understand my responsibilities as an HSG Operator/ITR.	James Adams Trainee *(printed name and signature)*	6/7/12 Date
I have monitored the training of this individual and believe they are ready to perform the duties of an HSG Operator/ITR. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Dale E. Duncan SME/OJT Instructor *(printed name and signature)*	06-07-12 Date
	N/A SME/OJT Instructor *(printed name and signature)*	Date
I approve this employee to perform the duties of an HSG Operator/ITR.	Richard Kantzowitz CCP Lead or Alternate SPM *(printed name and signature)*	6/8/12 Date

Approved for Content & Format:	**Joe Poirier (Approval on file)** HSG SME	**11/30/11** Date
Approved for Content & Format:	**Charlie Turner (Approval on file)** Cognizant Engineer	**11/30/11** Date
Approved for Content:	**Charlie Turner (Approval on file)** CCP Lead or Alternate SPM	**11/30/11** Date
Approved for Use:	**AJ Fisher (Approval on file)** CCP Manager Responsible for Training	**11/30/11** Date

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PAGE

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National TRU Program Certification Effective Date: 12/18/2012	HSG-01, Rev. 3 Page 1 of 5

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Anthony McCall

Education/Experience	
Resume documenting education and experience on file with National TRU Program Certification (NTPC) Training.	Cheryl Munger 01-30-13 NTPC Training — Date

Job Specific Training

☑ **Initial Qualification** ☐ **Requalification** ☐ **Full Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the Site Project Manager (SPM) or the Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete the entire qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination
(Required at Initial Qualification and Full Requalification)

Initial/Indoctrination Reading:

1. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
2. CCP-QP-002, *CCP Training and Qualification Plan*
3. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
4. CCP-QP-006, *CCP Corrective Action Reporting and Control*
5. CCP-QP-008, *CCP Records Management*
6. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
7. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
8. CCP-QP-023, *CCP Handling, Storage and Shipping*
9. CCP-TP-093, *CCP Sampling of TRU Waste Containers*
10. CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.	[signature] 1-14-13 Trainee Signature — Date

Additional Training Requirements

WAP/QAPjP Briefing and Test *(One-time Requirement)*	Cheryl Munger 01-30-13 NTPC Training — Date

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Anthony McCall

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at Initial Qualification and Full Requalification)*	Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the Quality Assurance objectives validated by HSG.	1/17/13
CCP-QP-002	2. State the purpose of the List of Qualified Individuals (LOQI).	1/17/13
CCP-QP-005	3. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	1/17/13
	4. Describe how nonconforming items are documented.	1/17/13
	5. Describe how nonconforming items are controlled to prevent their use.	1/17/13
	6. State who has the responsibility to validate the NCR once initiated.	1/17/13
CCP-QP-006	7. Describe the purpose of the corrective action report (CAR) process.	1/17/13
	8. State who has the responsibility for originating a CAR.	1/17/13
	9. Describe how corrective actions are documented.	1/17/13
	10. State who has the responsibility to validate the CAR once initiated.	1/17/13
	11. Describe actions personnel may take when conditions adverse to quality are discovered.	1/17/13
CCP-QP-008	12. List the responsibilities of record generators.	1/17/13
	13. State the storage and control requirements for records.	1/17/13
	14. Explain the process and proper method to make corrections or revisions to Records.	1/17/13
CCP-QP-010	15. State the importance of using approved documents.	1/17/13
	16. State when to verify a document revision.	1/17/13
CCP-QP-016	17. List the Measuring & Testing Equipment (M&TE) items that are used during headspace gas (HSG) sampling operations.	1/17/13
CCP-TP-093	18. Describe where the field blank samples should be collected.	1/21/13

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Anthony McCall

	19. Explain the possible hazards associated with the sampling process.	1/21/13
	20. Describe how to verify the drum age criteria (DAC).	1/21/13
	21. State the required *time* and *temperature* to ensure the waste containers have equilibrated.	1/21/13
	22. State the number of components in a single unit needle assembly.	1/21/13
	23. State the number of components of a duplicate unit needle assembly.	1/21/13
	24. Explain the need for a cleanliness certification for the needle assembly.	1/21/13
	25. Explain how to perform a leak check of the needle assembly and why it is necessary.	1/21/13
	26. State the evacuation requirements of the sample canisters and what is done if requirements aren't met.	1/21/13
	27. State the actions taken if a needle assembly does not have a filter gasket.	1/21/13
	28. Explain how to prevent damage to the needle and needle assembly while performing sampling activities.	1/21/13
	29. State the initial and final pressure requirements for SUMMA canisters when sampling.	1/21/13
	30. State the maximum time allowed for canisters to reach equilibrium when sampling.	1/21/13
	31. Explain the actions taken if the canister pressure does not reach equilibrium.	1/21/13
	32. State when a field reference sample (FRS) is collected.	1/21/13
	33. Explain the proper disposition of used needle assemblies.	1/21/13
	34. Explain the need for a chain of custody and tamper indication device (TID).	1/21/13
CCP-TP-106	35. Define Independent Technical Reviewer (ITR) and its purpose.	1/21/13
	36. Describe your involvement in data generation level non-conformance reports (NCRs) according to CCP-QP-005.	1/21/13

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Anthony McCall

Formal Training	OJT Practical Requirements *(Always Required)*	SME/OJT Signature/Date
CCP-TP-093	1. Perform pre-requisite actions.	1/28/13
	2. Verify presence of acceptable waste container filter or port.	1/28/13
	3. Verify waste container has been vented properly.	1/28/13
	4. Record waste container data on Attachment 2.	1/28/13
	5. Collect field blank sample.	1/28/13
	6. Collect gas sample from waste container.	1/28/13
	7. Collect duplicate gas sample from waste container.	1/28/13
	8. Complete Attachment 1.	1/28/13
	9. Perform packaging of canisters for transport.	1/28/13
CCP-TP-106	10. Assemble batch data report (BDR).	1/28/13
	11. Perform ITR.	1/29/13

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Anthony McCall

Approvals		
I have completed formal training and received OJT for this position. I fully understand my responsibilities as an HSG Operator/ITR.	Tony McCall	1-29-13
	Trainee *(printed name and signature)*	Date
I have monitored the training of this individual and believe they are ready to perform the duties of an HSG Operator/ITR. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	James Adams	1/29/13
	SME/OJT Instructor *(printed name and signature)*	Date
	N/A	
	SME/OJT Instructor *(printed name and signature)*	Date
I approve this employee to perform the duties of an HSG Operator/ITR.	Richard Kantrowitz	1/x/13
	SPM *(printed name and signature)*	Date

Approved for Content & Format:	**Joe Poirier *(Approval on File)***	**12/18/2012**
	SME/OJT	Date
Approved for Applicability, Content & Format:	**Charles Turner *(Approval on File)***	**12/18/2012**
	Cognizant Engineer	Date
Approved for Content:	**Richard Kantrowitz *(Approval on File)***	**12/18/2012**
	SPM	Date
Approved for Applicability, Content, Format, & Use:	**A.J. Fisher *(Approval on File)***	**12/18/2012**
	Manager Responsible for Training	Date

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PAGE

Central Characterization Project Effective date: 06/17/2010	**COPY**	HSG-01, Rev. 0 Page 1 of 6

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Dale Dover	**Badge Number:** [redacted]
Email Address: [redacted]	

Education/Experience		
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	CCP Training	4/6/11 Date

Job Specific Training

☐ **Initial Qualification** ☒ **Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	The On-the-Job Training (OJT) Knowledge Requirements do not need to be completed for requalification.

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
2. CCP-QP-002, *CCP Training and Qualification Plan*
3. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
4. CCP-QP-006, *CCP Corrective Action Reporting and Control*
5. CCP-QP-008, *CCP Records Management*
6. CCP-QP-010, *CCP Document Preparation, Approval and Control*
7. CCP-QP-016, *CCP Control of Measuring, Testing and Equipment*
8. CCP-QP-022, *CCP TRU Software Quality Assurance*
9. CCP-QP-023, *CCP Handling, Storage and Shipping*
10. CCP-TP-093, *CCP Sampling of TRU Waste Containers*
11. CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Trainee Signature	3-30-11 Date

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Dale Dover	Badge Number: [redacted]
Email Address: [redacted]	

Additional Training Requirements		
1. WAP/QAPjP Briefing and Test. *(One-time requirement)*	CCP Training	Date: 4/11/11

Formal Training	OJT Knowledge Requirements *(Required at initial qualification, or in the event of requalification after disqualification only.)*	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. List the Quality Assurance objectives validated by HSG.	
CCP-QP-002	2. State the purpose of the List of Qualified Individuals (LOQI).	
CCP-QP-005	3. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	
	4. Describe how nonconforming items are documented.	
	5. Describe how nonconforming items are controlled to prevent their use.	EDW 4-8-11
	6. State who has the responsibility to validate the NCR once initiated.	
CCP-QP-006	7. Describe the purpose of the corrective action report (CAR) process.	
	8. State who has the responsibility for originating a CAR.	
	9. Describe how corrective actions are documented.	
	10. State who has the responsibility to validate the CAR once initiated.	
	11. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	
CCP-QP-008	12. List the responsibilities of record generators.	

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Dale Dover	**Badge Number:** [redacted]
Email Address: [redacted]	

	13. State the storage and control requirements for CCP records.	
	14. Explain the process and proper method to make corrections or revisions to CCP Records.	
CCP-QP-010	15. State the importance of using approved documents.	
	16. State when to verify a document revision.	
CCP-QP-016	17. List the Measuring & Testing Equipment (M&TE) items that are used during headspace gas (HSG) sampling operations.	
CCP-QP-022	18. Describe the process for making changes to equipment computer software.	
CCP-TP-093	19. Describe where the field blank samples should be collected.	ERW 4-8-11
	20. Explain the possible hazards associated with the sampling process.	
	21. Describe how to verify the drum age criteria (DAC).	
	22. State the required time and temperature to ensure the waste containers have equilibrated.	
	23. State the number of components in a single unit needle assembly.	
	24. State the number of components of a duplicate unit needle assembly.	
	25. Explain the need for a cleanliness certification for the needle assembly.	
	26. Explain how to perform a leak check of the needle assembly and why it is necessary.	
	27. State the evacuation requirements of the sample canisters and what is done if requirements aren't met.	
	28. State the actions taken if a needle assembly does not have a filter gasket.	

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Dale Dover	Badge Number: [redacted]
Email Address: [redacted]	

CCP-TP-106	29. Explain how to prevent damage to the needle and needle assembly while performing sampling activities.	ERW 4-6-11
	30. State the initial and final pressure requirements for SUMMA canisters when sampling.	
	31. State the maximum time allowed for canisters to reach equilibrium when sampling.	
	32. Explain the actions taken if the canister pressure does not reach equilibrium.	
	33. State when a field reference sample (FRS) is collected.	
	34. Explain the proper disposition of used needle assemblies.	
	35. Explain the need for a chain of custody and tamper indication device (TID).	
	36. Define Independent Technical Reviewer (ITR) and its purpose.	
	37. Describe your involvement in data generation level non-conformance reports (NCRs) according to CCP-QP-005.	
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME Signature/Date**
CCP-TP-093	1. Perform pre-requisite actions.	Ebb R Walt 4-7-11
	2. Verify presence of acceptable waste container filter or port.	Ebb R Walt 4-7-11
	3. Verify waste container has been vented properly.	Ebb R Walt 4-7-11
	4. Record waste container data on Attachment 2.	Ebb R Walt 4-7-11
	5. Assemble single unit needle.	Ebb R Walt 4-7-11

Headspace Gas (HSG)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Dale Dover	**Badge Number:** [redacted]
Email Address: [redacted]	

	6. Assemble duplicate unit needle.	Ebby R Walt 4-7-11
	7. Prepare canister/needle assembly for cleanliness certification.	Ebby R Walt 4-7-11
	8. Record needle assembly information on Attachment 1.	Ebby R Walt 4-7-11
	9. Perform leak check of needle assembly.	Ebby R Walt 4-7-11
	10. Perform needle assembly cleanliness certification sample (equipment blank).	Ebby R Walt 4-7-11
	11. Attach needle assembly to canister.	Ebby R Walt 4-7-11
	12. Collect equipment blank sample.	Ebby R Walt 4-7-11
	13. Collect field blank sample.	Ebby R Walt 4-8-11
	14. Collect field reference sample.	Ebby R Walt 4-7-11
	15. Collect gas sample from waste container.	Ebby R Walt 4-8-11
	16. Collect duplicate gas sample from waste container.	Ebby R Walt 4-8-11
	17. Complete Attachment 1.	Ebby R Walt 4-8-11
	18. Perform packaging of canisters for transport.	Ebby R Walt 4-8-11
CCP-TP-106	19. Assemble batch data report (BDR).	Ebby R Walt 4-8-11
	20. Perform ITR.	Ebby R Walt 4-8-11

Headspace Gas (HSG) Operator/Independent Technical Reviewer (ITR) Qualification Card

Name: Dale Dover	**Badge Number:** [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an HSG Operator/ITR.	Dale Dover 04-08-11 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an HSG Operator/ITR. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	EDDY R WALTERS 4-8-11 SME/OJT Instructor *(printed name and signature)* Date NA BBB 4/11/11 Barbara Broomfield 4/11/11 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of an HSG Operator/ITR.	Barbara Broomfield 4/11/11 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Approval on file** **6/17/2010**
HSG SME *(printed name and signature)* Date

Approved for Content & Format: **Approval on file** **6/17/2010**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Approval on file** **6/17/2010**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **Approval on file** **6/17/2010**
CCP Manager Responsible for Training *(printed name and signature)* Date

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Site Project Manager (SPM) Qualification Card

Name: Adela Cantu		Badge #: [redacted]
The requirements of this document are the result of an evaluation as described in CCP-QP-002, *CCP Training and Qualification Plan*.		
Education / Experience		
Trainee has been selected for this position based on his/her education, prior-experience, additional certifications, training, etc. as documented in the CCP Training Files.		CCP Program Manager 10/17/02 Date
Job Specific Training		
Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement.	
Requalification Requirements	Not required.	
Indoctrination	WAP/QAPjP Briefing	CCP Training 10-17-02 Date
	Required Reading: 1. CCP-AK-ANLE-1, *CCP AK Summary Report for Argonne National Laboratory - East Contact-Handled TRU Waste Facility Maintenance and Laboratory Operations* 2. CCP-AK-NTS-1, *CCP Acceptable Knowledge Summary Report for Nevada Test Site Lawrence Livermore Laboratory Waste PST-1986 Waste* 3. CCP-AK-NTS-2, *CCP Acceptable Knowledge Summary Report for Nevada Test Site Lawrence Livermore Laboratory Waste PST-1985 Waste* 4. CCP-AK-NTS-3, *CCP Acceptable Knowledge Summary Report for Nevada Test Site Lawrence Berkeley Laboratory Waste* 5. CCP-AK-SRS-1, *CCP Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SRW027-221F-Het-A Het C-D, HetE* 6. CCP-AK-SRS-2, *CCP Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-WO27-FB Pre 86-C and -NC*	

Site Project Manager (SPM) Qualification Card

	7. CCP-AK-SRS-3, *CCP Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-T001-221F-HET, SR-W026-221F-HET-A, SR-W026-221F-HET-B, SR-W026-221F-HET-C, SR-W026-221F-HET-D, SR-W026-221F-HET-E, SR-T001-221F-HOM, SR-T001-221F-HEPA* 8. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Attachments B-B6* 9. DOE/WIPP-02-3122, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (Sections 3.0 and 4.0)* 10. CAO-94-1012, *U.S. Department of Energy Carlsbad Area Office Quality Assurance Program Document* 11. DOE/CBFO-01-3107, *Performance Demonstration Program Management Plan* 12. DOE/CBFO-01-1005, *Performance Demonstration Program Plan for Nondestructive Assay of Drummed Wastses for the TRU Waste Characterization Program* 13. DOE/CAO-95-1076, *Performance Demonstration Program Plan for Analysis of Simulated Headspace Gases* 14. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* 15. CCP-PO-002, *CCP Transuranic Waste Certification Plan* 16. CCP-PO-003, *CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)* 17. CCP-PO-004, *CCP / SRS Interface Document* 18. CCP-PO-005, *CCP Remote Facility Conduct of Operations* 19. CCP-PO-007, *CCP / ANL-E Interface Document* 20. CCP-PO-008, *CCP Quality Assurance Administrative Program* 21. CCP-PO-009, *CCP / NTS Interface Document* 22. CCP-QP-001, *CCP Graded Approach*	

Site Project Manager (SPM) Qualification Card

	23. CCP-QP-002, *CCP Training and Qualification Plan* 24. CCP-QP-004, *CCP Corrective Action Management* 25. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* 26. CCP-QP-006, *CCP Corrective Action Reporting and Control* 27. CCP-QP-008, *CCP Records Management* 28. CCP-QP-009, *CCP Work Control Process* 29. CCP-QP-010, *CCP Document Preparation, Approval and Control* 30. CCP-QP-011, *CCP Notebooks & Logbooks* 31. CCP-QP-015, *CCP Procurement* 32. CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment* 33. CCP-QP-018, *CCP Management Assessment* 34. CCP-QP-019, *CCP Quality Assurance Reporting to Management* 35. CCP-QP-020, *CCP Independent Assessments* 36. CCP-QP-021, *CCP Surveillance Program* 37. CCP-QP-022, *CCP TRU Software Quality Assurance* 38. CCP-QP-023, *CCP Handling, Storage, and Shipping* 39. CCP-QP-027, *CCP Test Control* 40. CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning* 41. CCP-QP-031, *CCP Using e-QA® and the Training Database* 42. CCP-QP-035, *CCP System Qualification Using the e-QA® System* 43. CCP-TP-001, *CCP Project Level Data Validation and Verification*	

Site Project Manager (SPM) Qualification Card

	44. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 45. CCP-TP-003, *CCP Sampling Design andData Analysis for RCRA Characterization* 46. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 47. CCP-TP-030, *CCP TRU Waste Certification and WWIS Data Entry* 48. CCP-TP-035, *CCP Container Management* 49. CCP-TP-056, *CCP HSG Performance Demonstration Plan* 50. CCP-TP-057, *CCP Project Level Data Validation and Verification for Headspace Gas Sampling and Analysis* 51. CCP-TP-060, *CCP Container Management at Argonne National Laboratory-East* 52. CCP-TP-061, *CCP TRU Waste Container Inspection and Control* 53. WP 15-PC3041, *Approval/Variation Request Processing* 54. WP 15-PC3609, *Preparation of Purchase Requisitions and Purchase Requisition Change Notices* 55. WP 15-RA.01, *Price Anderson Program*	[signature] 10/17/02 Trainee Signature Date
Briefings	1. Hazardous Waste Code Assignments Briefing [1] 2. NCR/CAR Briefing [1] 3 SPM Briefing (Modules I through V) [1] 4. SPM Written Test (Modules I, II, & III) [1]	Not Required See Letter TP:02:0237:1 Training File 10-17-02 CCP Training PA Date

Site Project Manager (SPM) Qualification Card

Formal Training	On-the-Job Training Practical Requirements	SME / OJT Instructor Signature / Date
	1. Demonstrate proficiency in the review of Headspace Gas Batch Data Reports (BDR's).[2]	
	2. Demonstrate proficiency in the review of Non-destructive Examination (NDE) BDR's.[2]	Not Required TR-02-C-237 See Letter in Training File 10-17-02
	3. Demonstrate proficiency in the review of Non-destructive Assay (NDA) BDR's.[2]	
	4. Demonstrate proficiency in the review of Visual Examination (VE) BDR's.[2]	
Approvals		
I have completed required reading and formal/informal training for my job position. I fully understand my responsibilities as an **Site Project Manager (SPM).**		Adela M Cantu 10/17/02 Trainee Signature Date
I approve this employee to perform the duties of **Site Project Manager (SPM).**		[signature] 11/4/02 CCP Program Manager Date

[1] Documentation in training file.
[2] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM.

Approved for format:	D. L. Melbourne (Signature on File)	10/09/02
	CCP Training Specialist	Date
Approved for content:	Adela Cantu (Signature on File)	10/09/02
	CCP Site Project Manager	Date
Approved for use:	Farok Sharif (Signature on File)	10/09/02
	Cognizant Manager	Date

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INTER-OFFICE CORRESPONDENCE

October 17, 2002

FROM: D. H. Haar, Manager LOCATION: NTP/CCP

TO: D. Melbourne, Training LOCATION: NTP/CCP/NCT

SUBJECT: APPOINTMENT LETTER FOR ADELA CANTU AS A CCP SPM, SME/OJT INSTRUCTOR AND EXCEPTION TO TRAINING ON THE SPM QUALIFICATION CARD, SPM-01

Ms. Adela Cantu is appointed as a Site Project Manager (SPM) for all sites and an SME/OJT Instructor for the SPM qualification card, SPM-01. This determination was based on a review of her current responsibilities and previous experience and training. Ms. Cantu has been a qualified Deputy SPM for CCP at SRS since August 10, 2001.

Ms. Cantu's previous experience and training includes 20 years in analytical laboratory experience and a BS in Biology.

TP/kh

cc:
	K. Aveson	ED
	T. Burns	ED
	A. Cantu	ED
	C. Fesmire	ED
	J. Franco	ED
	S. Peterman	ED
	S. Rose	ED

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PAGE

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Central Characterization Project **Effective Date: 8/10/2010**	**SPM-01, Rev. 13** **Page 1 of 5**

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Carolina Soaterna	**Badge Number:** [redacted]
Email Address: [redacted]	

Education/Experience

Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	5/31/11 CCP Training — Date

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform Site Project Manager (SPM) duties for Contact Handled (CH) Waste. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and on-the-job training (OJT) process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

Initial/Indoctrination Reading:

1. CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
5. CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-004, *CCP Corrective Action Management*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-006, *CCP Corrective Action Reporting and Control*
10. CCP-QP-008, *CCP Records Management*
11. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
12. CCP-QP-011, *CCP Laboratory Logbooks*
13. CCP-QP-014, *CCP Quality Assurance Trend Analysis and Reporting*
14. CCP-QP-015, *CCP Procurement*
15. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
16. CCP-QP-018, *CCP Management Assessment*
17. CCP-QP-019, *CCP Quality Assurance Reporting to Management*
18. CCP-QP-022, *CCP Software Quality Assurance Plan*
19. CCP-QP-027, *CCP Test Control*
20. CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*
21. CCP-TP-001, *CCP Project Level Data Validation and Verification*

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Carolina Soaterna	**Badge Number:** [redacted]
Email Address: [redacted]	

	22. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 23. CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization* 24. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 25. CCP-TP-030, *CCP TRU Waste Certification and WWIS/WDS Data Entry* 26. CCP-TP-056, *CCP HSG Performance Demonstration Plan* 27. CCP-TP-058, *CCP NDA Performance Demonstration Program*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Carolina Soaterna 5/31/11 Trainee Date

Document	Additional Training Requirements	
	1. WAP/QAPjP Briefing and Test 12/9/9	Michele Billett 5/31/11 CCP Training Date
	2. Hazardous Waste Identification Self-Paced Module 5/31/11	Michele Billett 5/31/11 CCP Training Date
	3. Visual Examination (VE) TRU Waste Characterization Briefing, CCP-VE-101	Michele Billett 5/31/11 CCP Training Date
	4. Real-Time Radiography TRU Waste Characterization Briefing, CCP-RTR-101	Michele Billett 5/31/11 CCP Training Date

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Carolina Soaterna	Badge Number: [redacted]
Email Address: [redacted]	

Formal Training	OJT Knowledge Requirements	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. Define the term "prohibited item" and give five examples of prohibited items.	5/31/11
	2. Identify the document allowing WIPP to receive and store TRU-mixed waste.	5/31/11
	3. Identify and describe the four major methods used by CCP to characterize TRU waste.	5/31/11
	4. State three (3) instances when an NCR is required for Real-Time Radiography (RTR).	5/31/11
	5. State when an NCR is written for Visual Examination (VE).	5/31/11
	6. State when an NCR is written for Headspace Gas (HSG).	5/31/11
	7. State the difference between a "Z" qualifier and a "J" qualifier.	5/31/11
	8. State when a "B" qualifier is used.	5/31/11
	9. State when a replicate waste drum is run in RTR.	5/31/11
CCP-PO-002	10. State when an NCR is written for Non-Destructive Assay (NDA).	5/31/11
	11. State which document is the driver for NDA.	5/31/11
	12. Describe the information to look for in an NDA control chart during a V&V review of an NDA batch data report (BDR).	5/31/11

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Carolina Soaterna **Badge Number:** [redacted]

Email Address: [redacted]

CCP-QP-005	13. State one major purpose for the nonconformance control program.	5/31/11
	14. Identify who can initiate a non-conformance report (NCR).	5/31/11
CCP-TP-005	15. Define the term "acceptable knowledge" and state one use/purpose for acceptable knowledge.	5/31/11
	16. State where acceptable knowledge information is documented.	5/31/11
	17. Discuss the AK sufficiency elements.	5/31/11
	18. Discuss the components of statistical sampling.	5/31/11
	19. Discuss the components of solids and soils sampling and analysis.	5/31/11
	20. Discuss the components of the NCR and CAR process.	5/31/11
Formal Training	**OJT Practical Requirements**	**SME Signature/Date**
CCP-TP-001	1. Demonstrate proficiency in the review of headspace gas batch data (BDR) reports.[1]	5/26/11
	2. Demonstrate proficiency in the review of non-destructive examination (NDE) BDRs.[1]	5/26/11
	3. Demonstrate proficiency in the review of non-destructive assay (NDA) BDRs.[1]	5/25/11
	4. Demonstrate proficiency in the review of visual examination (VE) BDRs.[1]	5/26/11
CCP-TP-002	5. Discuss the components of a Characterization Information Summary (CIS).	5/31/11

[1] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM SME

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Carolina Soaterna	Badge Number: [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a SPM.	Carolina Soaterna Carolina Soaterna 5/31/11 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a SPM. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Adela M. Cantu Adela M. Cantu 5/31/2011 SME/OJT Instructor *(printed name and signature)* Date Richard Kantrowitz Richard Kantrowitz 5/31/11 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a SPM.	Mark Pearcy Mark Pearcy 5/31/11 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: Approval on file — 8/10/2010
SPM SME *(printed name and signature)* Date

Approved for Content: Approval on file — 8/10/2010
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: Approval on file — 8/10/2010
CCP Manager Responsible for Training *(printed name and signature)* Date

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PAGE

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Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Joshua Houghton	Badge Number: [redacted]
Email Address: [redacted]	

Education/Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michelle Billett 5/31/11 CCP Training — Date

Job Specific Training	
Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform Site Project Manager (SPM) duties for Contact Handled (CH) Waste. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and on-the-job training (OJT) process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

Initial/Indoctrination Reading:

1. CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
5. CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-004, *CCP Corrective Action Management*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-006, *CCP Corrective Action Reporting and Control*
10. CCP-QP-008, *CCP Records Management*
11. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
12. CCP-QP-011, *CCP Laboratory Logbooks*
13. CCP-QP-014, *CCP Quality Assurance Trend Analysis and Reporting*
14. CCP-QP-015, *CCP Procurement*
15. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
16. CCP-QP-018, *CCP Management Assessment*
17. CCP-QP-019, *CCP Quality Assurance Reporting to Management*
18. CCP-QP-022, *CCP Software Quality Assurance Plan*
19. CCP-QP-027, *CCP Test Control*
20. CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*
21. CCP-TP-001, *CCP Project Level Data Validation and Verification*

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Joshua Houghton	**Badge Number:** [redacted]
Email Address: [redacted]	

	22. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 23. CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization* 24. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 25. CCP-TP-030, *CCP TRU Waste Certification and WWIS/WDS Data Entry* 26. CCP-TP-056, *CCP HSG Performance Demonstration Plan* 27. CCP-TP-058, *CCP NDA Performance Demonstration Program*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Joshua Houghton [signature] 5/25/11 Trainee Date

Document	Additional Training Requirements	
	1. WAP/QAPjP Briefing and Test	[signature] 5/25/11 CCP Training Date
	2. Hazardous Waste Identification Self-Paced Module	[signature] 5/25/11 CCP Training Date
	3. Visual Examination (VE) TRU Waste Characterization Briefing, CCP-VE-101	[signature] 5/25/11 CCP Training Date
	4. Real-Time Radiography TRU Waste Characterization Briefing, CCP-RTR-101	[signature] 5/25/11 CCP Training Date

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Joshua Houghton	Badge Number: [redacted]
Email Address: [redacted]	

Formal Training	OJT Knowledge Requirements	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. Define the term "prohibited item" and give five examples of prohibited items.	5/31/11
	2. Identify the document allowing WIPP to receive and store TRU-mixed waste.	5/31/11
	3. Identify and describe the four major methods used by CCP to characterize TRU waste.	5/31/11
	4. State three (3) instances when an NCR is required for Real-Time Radiography (RTR).	5/31/11
	5. State when an NCR is written for Visual Examination (VE).	5/31/11
	6. State when an NCR is written for Headspace Gas (HSG).	5/31/11
	7. State the difference between a "Z" qualifier and a "J" qualifier.	5/31/11
	8. State when a "B" qualifier is used.	5/31/11
	9. State when a replicate waste drum is run in RTR.	5/31/11
CCP-PO-002	10. State when an NCR is written for Non-Destructive Assay (NDA).	5/31/11
	11. State which document is the driver for NDA.	5/31/11
	12. Describe the information to look for in an NDA control chart during a V&V review of an NDA batch data report (BDR).	5/31/11

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Joshua Houghton | **Badge Number:** [redacted]

Email Address: [redacted]

CCP-QP-005	13. State one major purpose for the nonconformance control program.	5/31/11
	14. Identify who can initiate a non-conformance report (NCR).	5/31/11
CCP-TP-005	15. Define the term "acceptable knowledge" and state one use/purpose for acceptable knowledge.	5/31/11
	16. State where acceptable knowledge information is documented.	5/31/11
	17. Discuss the AK sufficiency elements.	5/31/11
	18. Discuss the components of statistical sampling.	5/31/11
	19. Discuss the components of solids and soils sampling and analysis.	5/31/11
	20. Discuss the components of the NCR and CAR process.	5/31/11
Formal Training	**OJT Practical Requirements**	**SME Signature/Date**
CCP-TP-001	1. Demonstrate proficiency in the review of headspace gas batch data (BDR) reports.[1]	5/12/11
	2. Demonstrate proficiency in the review of non-destructive examination (NDE) BDRs.[1]	5/12/11
	3. Demonstrate proficiency in the review of non-destructive assay (NDA) BDRs.[1]	5/25/11
	4. Demonstrate proficiency in the review of visual examination (VE) BDRs.[1]	5/12/11
CCP-TP-002	5. Discuss the components of a Characterization Information Summary (CIS).	3/10/11

[1] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM SME.

Contact Handled (CH)
Site Project Manager (SPM)
Qualification Card

Name: Joshua Houghton Badge Number: [redacted]

Email Address: [redacted]

	Approvals
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a SPM.	Joshua Houghton 5/31/2011 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a SPM. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Adela M Garza (Mar) 5/31/11 Adela M Garza 5/31/2011 SME/OJT Instructor *(printed name and signature)* Date Richard Kantrowitz 5/31/11 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a SPM.	Mark Pearcy Mark Pearcy 7/31/2011 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: Approval on file 8/10/2010
SPM SME *(printed name and signature)* Date

Approved for Content: Approval on file 8/10/2010
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: Approval on file 8/10/2010
CCP Manager Responsible for Training *(printed name and signature)* Date

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Site Project Manager (SPM) Qualification Card

Name: Beverly Schrock **Badge Number:** [redacted]

Email Address: [redacted]

The requirements of this document are the result of an evaluation as described in CCP-QP-002, *CCP Training and Qualification Plan.*

Education / Experience

Trainee has been selected for this position based on their education, prior-experience, additional certifications, training, etc., as documented in the CCP training files.	Mark Pearcy Mark Pearcy CCP Program Manager	3/2/10 Date

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform SPM duties. Site specific qualification (i.e., BDR review) is valid for the site(s) with completed addenda. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and OJT process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

WAP/QAPjP Briefing and Test	Alyca Atwood CCP Training	3/8/10 Date
Hazardous Waste Code Assignments Briefing and Test	Alyca Atwood CCP Training	3/8/10 Date
Solid and Soils Sampling and Analysis for Site Project Managers (SPM) Briefing	Michael Valentine Site Project Manager	5/12/10 Date
NCR / CAR Briefing (Provided by CCP/QA Organization)	Christine M Gomez CCP/QA Organization	3/10/10 Date
Statistical Sampling Briefing	Thomas R Gallegos Site Project Manager	3/22/10 Date

Site Project Manager (SPM) Qualification Card

Name: Beverly Schrock **Badge Number:** [redacted]

Email Address: [redacted]

Contact-Handled Waste VE and RTR Training	Larry Porter Larry Porter 5/7/10 Site Project Manager Date
Incompatibles Determination Training Module	Michael Valentine 5/7/2010 Site Project Manager Date

Required Reading:

1. WP 08.NT.03, *Waste Stream Profile form*
2. CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-003, *CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*
6. CCP-PO-005, *CCP Conduct of Operations*
7. CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
8. CCP-QP-002, *CCP Training and Qualification Plan*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-010, *CCP Document Preparation, Approval and Control*
14. CCP-QP-011, *CCP Notebooks & Logbooks*
15. CCP-QP-015, *CCP Procurement*
16. CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*
17. CCP-QP-018, *CCP Management Assessment*
18. CCP-QP-022, *CCP TRU Software Quality Assurance*
19. CCP-QP-023, *CCP Handling, Storage, and Shipping*
20. CCP-QP-027, *CCP Test Control*
21. CCP-QP-028, *CCP Records Filing, Inventory, Scheduling, and Dispositioning*
22. CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection*
23. CCP-TP-001, *CCP Project Level Data Validation and Verification*
24. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
25. CCP-TP-003, *CCP Sampling Design and Data Analysis for RCRA Characterization*
26. CCP-TP-005, *CCP Acceptable Knowledge Documentation*
27. CCP-TP-028, *CCP Radiographic Test and Training Drum Requirements*
28. CCP-TP-030, *CCP TRU Waste Certification and WWIS Data Entry*
29. CCP-TP-056, *CCP HSG Performance Demonstration Plan*
30. CCP-TP-058, *CCP NDA Performance Demonstration Plan*
31. CCP-TP-160, *CCP Random Selection of Containers for Headspace Gas Sampling and Analysis*

Site Project Manager (SPM) Qualification Card

Name: Beverly Schrock	Badge Number: [redacted]
Email Address: [redacted]	

I have read the listed required reading and understand my responsibilities as applicable to the procedures above.	Beverly J. Schrock 5-7-10 Trainee Signature Date
CCP-PO-005 - Conduct of Operations Comprehensive Exam	Alyca Atwood 5/8/10 CCP Training Date

Formal Training	On-the-job Training Knowledge Requirements	SME Signature / Date
CCP-PO-001	1. Define the term "prohibited item" and give two examples of prohibited items.	Larry Potts 5/7/10
	2. Identify the document that permits WIPP to receive and store hazardous mixed TRU waste.	Larry Potts 5/7/10
	3. Identify the four major methods used by CCP to characterize TRU waste and briefly describe each method.	Larry Potts 5/7/10
	4. State three (3) instances when an NCR is required for non-destructive examination (NDE).	Larry Potts 5/7/10
	5. State when an NCR is written for visual examination (VE).	Larry Potts 5/7/10
	6. State when an NCR is written for headspace gas (HSG).	[signature] 6/21/10
	7. State the difference between a "Z" qualifier and a "J" qualifier.	Adela M Canton 6/17/2010
	8. State when a "B" qualifier is used.	Adela M Canton 6/17/2010
	9. Describe the definition of VE of record according to New Mexico Environment Department (NMED). Provide an example.	[signature] 6/21/10
	10. State when a duplicate waste drum is run.	[signature] 6/21/10

* Individual forgot to date when correcting at time of qualification. BJS 12/6/10

Site Project Manager (SPM) Qualification Card

Name: Beverly Schrock [redacted] **Badge Number:** [redacted]

Email Address: [redacted]

CCP-PO-002	11. State when an NCR is written for non-destructive assay (NDA).	6/21/10
	12. State which document is the driver for NDA.	6/21/10
	13. Describe the information to look for in an NDA control chart during V & V review of an NDA batch data report.	6/21/10
CCP-QP-005	14. State one major purpose for the nonconformance control program.	6/21/10
	15. Identify who can initiate a non-conformance report (NCR).	6/21/10
CCP-TP-005	16. Define the term "acceptable knowledge" and state one use/purpose for acceptable knowledge.	6/21/10
	17. State where acceptable knowledge information is documented.	6/21/10
	18. Discuss the AK sufficiency elements.	6/21/10
	On-the-job Training Practical Requirements	**SME Signature / Date**
CCP-TP-001	1. Demonstrate proficiency in the review of headspace gas batch data (BDR) reports.[2]	Adele Marston 6/17/2010
	2. Demonstrate proficiency in the review of non-destructive examination (NDE) BDRs.[2]	Adele Marston 6/17/2010
	3. Demonstrate proficiency in the review of non-destructive assay (NDA) BDRs.[2]	6/22/2010
	4. Demonstrate proficiency in the review of visual examination (VE) BDRs.[2]	Adele Marston 6/17/2010
CCP-TP-002	5. Complete a Characterization Information Summary (CIS).	6/22/10

[2] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM.

Site Project Manager (SPM) Qualification Card

Name: Beverly Schrock	**Badge Number:** [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an SPM.	6-22-10 Beverly S. Schrock Beverly S Schrock Trainee *(printed name and signature)* Date
Validation by the SME/OJT instructor(s) involved in the training of this individual.	FGA, HSG, Totals (VOA, SVOC, Metals - detailed) RTR, VE. Adela M. Canto Adela M Canto 6/17/2010 SME/OJT Instructor *(printed name and signature)* Date
	Craig Simmons 6/22/2010 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of an SPM.	Richard Kantrowitz 6/22/10 CCP Site Project Manager *(printed name and signature)* Date
	Mark Pearcy Mark Pearcy 6/23/10 CCP Program Manager *(printed name and signature)* Date
This qualification card has been reviewed for completeness and signature verification by CCP Training.	Ryan Martin 6/23/10 CCP Training *(printed name and signature)* Date

Approved for Format: **Alyca Atwood** *(original signature on file)* **02-23-09**
CCP Training Date

Approved for Content: **Craig Simmons** *(original signature on file)* **02-23-09**
CCP Site Project Manager Date

Approved for Use: **R. A. Billett** *(original signature on file)* **02-23-09**
CCP Program Manager Date

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Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: David Moody

Education/Experience	
Resume documenting education and experience on file with National TRU Program Certification (NTPC) Training.	Cheryl Moody 08-28-13 NTPC Training Date

Job Specific Training	
Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform Site Project Manager (SPM) duties for Remote Handled Waste. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the complete qualification card, including the On-the-Job Training (OJT) portions, must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

Initial/Indoctrination Reading:

1. ✓ DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan (WCPIP)*
2. ✓ CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
3. CCP-HSP-01, *Health and Safety Program Implementation for CCP*
4. ✓ CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
5. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
6. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
7. CCP-QP-002, *CCP Training and Qualification Plan*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-008, *CCP Records Management*
10. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
11. ✓ CCP-QP-015, *CCP Procurement*
12. ✓ CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
13. ✓ CCP-QP-018, *CCP Management Assessment*
14. ✓ CCP-QP-022, *CCP Software Quality Assurance Plan*
15. ✓ CCP-QP-023, *CCP Handling, Storage, and Shipping*
16. ✓ CCP-QP-027, *CCP Test Control*
17. ✓ CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*
18. ✓ CCP-QP-029, *CCP Corrective Action Management*
19. ✓ CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*
20. CCP-TP-001, *CCP Project Level Data Validation and Verification*
21. ✓ CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
22. ✓ CCP-TP-005, *CCP Acceptable Knowledge Documentation*

Remote Handled (RH) Site Project Manager (SPM) Qualification Card

Name: David Moody

23. ✓ CCP-TP-028, *CCP Radiographic Test Drum and Training Container Construction*
24. ✓ CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*
25. ✓ CCP-TP-058, *CCP NDA Performance Demonstration Program*
26. ✓ CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records*
27. ✓ CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
28. ✓ CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*
29. ✓ CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
30. ✓ CCP-TP-508, *CCP RH Standard Real-Time Radiography Inspection Procedure*
31. ✓ CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*
32. ✓ CCP-TP-511, *CCP Peer Review*
33. ✓ CCP-TP-512, *CCP Remote-Handled Waste Sampling*
34. ✓ CCP-TP-513, *CCP Procedure for Dimensional or Gravimetric Measurements for Radiological Characterization of Remote- Handled Transuranic Waste*
35. ✓ CCP-TP-514, *CCP Procedure for Radiological Calculation Package Submittal*
36. ✓ CCP-TP-530, *CCP RH TRU Waste Certification and WWIS/WDS Data Entry*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.	David W Moody Trainee Signature	13 Aug 13 Date

Additional Training Requirements

CCP-PO-001	1. WAP/QAPjP Briefing and Test	Cheryl Bruno NTIPC Training	08-28-13 Date
Haz-Waste-101	2. Hazardous Waste Number Assignments Briefing and Test	Cheryl Bruno NTIPC Training	08-28-13 Date
CCP-VE-101	3. Visual Examination (VE) TRU Waste Characterization Briefing	[signature] SPM	8/28/13 8/14/13 Date
CCP-RTR-101	4. Real-Time Radiography (RTR) TRU Waste Characterization Briefing.	[signature] SPM	8/28/13 8/14/13 Date

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: David Moody

Formal Training	OJT Knowledge Requirements	Subject Matter Expert (SME)/OJT Signature/Date
DOE/WIPP 02-3214	1. Define Environmental Protection Agency's (EPA) definition of VE of record. Provide an example.	Hanford West Valley Gene Joo 8/14/13
	2. Explain how CCP-TP-500 satisfies the EPA and New Mexico Environmental Department (NMED) critteria.	meet pip & NMED Gene Joo 8/14/13
	3. State the Data Quality Objectives (DQOs) for Dose-to-Curie (DTC), VE, and RTR.	Gene Joo 8/14/13
	4. State the purpose of CCP-TP-506.	w- SOQA Gene Joo 8/14/13
CCP-PO-001	5. State the regulator who governs hazardous waste.	Gene Joo 8/14/13
	6. Define the term "prohibited item" and give five examples of prohibited items.	Gene Joo 8/14/13
	7. Identify the document allowing WIPP to receive and store TRU-mixed waste.	Gene Joo 8/14/13
	8. Identify and describe the three major methods used to characterize TRU waste.	Gene Joo 8/14/13
	9. Name at least two (2) DQOs for Acceptable Knowledge (AK).	Gene Joo 8/14/13
	10. State the five (5) QAOs.	Gene Joo 8/14/13
	11. Define waste stream.	Gene Joo 8/14/13
	12. Define waste matrix code.	Gene Joo 8/14/13
	13. Describe the three (3) summary category groups.	Gene Joo 8/14/13
CCP-PO-002	14. Define TRU waste.	Gene Joo 8/14/13
	15. Define TRU-mixed waste.	Gene Joo 8/14/13
	16. List the 10 radionuclides that must be reported.	Gene Joo 8/14/13
	17. List the agency which governs radiological waste.	Gene Joo 8/14/13

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: David Moody

	35. Explain the differences between "editorial" changes and "data affecting" changes.	Dave Goo 8/14/13
	36. State how the SPM documents the DGL data review, validation, and verification is being performed in accordance with applicable procedures.	Dave Goo 8/14/13
CCP-TP-002	37. Discuss the components of a Characterization Information Summary (CIS).	Dave Goo 8/14/13
CCP-TP-511	38. State the peer review requirements.	Dave Goo 8/14/13
CCP-TP-512	39. Discuss the QAOs for radiochemistry and ICP-MS batch data report (BDR).	Dave Goo 8/14/13

Formal Training	OJT Practical Requirements	SME/OJT Signature/Date
CCP-TP-002	1. Demonstrate proficiency of characterization information summary reports.	Laura Nelson 8/14/13
CCP-TP-500	2. Demonstrate proficiency in review of the RH VE BDRs.	Laura Nelson 8/14/13
CCP-TP-504	3. Demonstrate proficiency in the review of DTC BIDR.	Laura Nelson 8/14/13
CCP-TP-506	4. Complete a Characterization Reconciliation Report (CRR).	Laura Nelson 8/14/13
CCP-TP-508	5. Demonstrate proficiency in review of the RH RTR BDRs.	Laura Nelson 8/14/13
	6. Demonstrate the verification of a container meeting the applicable content code limit.	Laura Nelson 8/14/13
CCP-TP-512	7. Demonstrate proficiency in the review of "Remote-Handled Waste Sample" BDR.	Laura Nelson 8/14/13
CCP-TP-513	8. Demonstrate proficiency in the review of Dimensional/Gravimetric BDR.	Laura Nelson 8/14/13
	9. Demonstrate proficiency in the review of Radiological Documentation Package.	Laura Nelson 8/14/13

Remote Handled (RH) Site Project Manager (SPM) Qualification Card

Name: David Moody

	Approvals
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RH SPM.	David W. Moody 8.28.13 14 Aug 13 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH SPM. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Laura Nelson 8/14/13 SME/OJT Instructor *(printed name and signature)* Date
	Irene Joo 8/14/13 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH SPM.	Joshua Houghton 8/28/13 SPM *(printed name and signature)* Date

Approved for Content & Format: **Irene Joo *(Approval on File)*** **07/31/2013**
SME/OJT Date

Approved for Content: **Richard Kanttrowitz *(Approval on File)*** **07/31/2013**
SPM Date

Approved for Applicability, Content, Format, & Use: **A.J. Fisher *(Approval on File)*** **07/31/2013**
Manager Responsible for Training Date

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[redacted] These marks were identified on 4-6-11. This type of mark out is not prevalent in the CCP Training files. There is no way to identify who made these marks or when they were made. These marks do not affect the information on this qualification card or the qualifications of Dave Moody.

Michele Bittner 4/6/11

Site Project Manager (SPM) Qualification Card

Name: Dave Moody	Badge #: [redacted]

The requirements of this document are the result of an evaluation as described in CCP-QP-002, *CCP Training and Qualification Plan.*

Education / Experience

Trainee has been selected for this position based on his/her education, prior-experience, additional certifications, training, etc. as documented in the CCP Training Files.	J.R. Stubblefield 6-24-05 CCP Program Manager Date

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. **Qualification is valid for the site(s) with completed addendum(s) attached with this card ONLY.** Trainee may qualify for additional sites as necessary by completing the appropriate addendum(s).	
Requalification Requirements	There are no requalification requirements for this position. If performance in this position is interrupted due to reassignment, then cognizant manager will determine if requalification is required at time position is resumed.	
Indoctrination	WAP/QAPjP Briefing 6-24-05	Rebecca Walker 6-24-05 CCP Training Date

Required Reading:

Note: Site-specific required reading will be completed on applicable addendum(s) for the site assigned (e.g. SPM-01A, *Savannah River Site*; SPM-01B, *Nevada Test Site*; etc.).

5/30	1.	NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Attachments B-B6*
5/30	2.	DOE/WIPP-02-3122, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (Sections 3.0 and 4.0)*
6/7	3.	DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
6/2	4.	DOE/CBFO-01-3107, *Performance Demonstration Program Management Plan*
6/8	5.	DOE/CBFO-01-1005, *Performance Demonstration Program Plan for Nondestructive Assay of Drummed Wastses for the TRU Waste Characterization Program*
6/7	6.	DOE/CAO-95-1076, *Performance Demonstration Program Plan for Analysis of Simulated Headspace Gases*
6/8	7.	CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6/7	8.	CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5/31	9.	CCP-PO-003, *CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*
6/6	10.	CCP-PO-005, *CCP Conduct of Operations*
↓	11.	CCP-PO-008, *CCP Quality Assurance Administrative Program*
↓	12.	CCP-QP-002, *CCP Training and Qualification Plan*

Site Project Manager (SPM) Qualification Card

Name: Dave Moody | Badge #: [redacted]

6/6	13. CCP-QP-004, *CCP Corrective Action Management*
	14. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
	15. CCP-QP-006, *CCP Corrective Action Reporting and Control*
	16. CCP-QP-008, *CCP Records Management*
	17. CCP-QP-009, *CCP Work Control Process*
	18. CCP-QP-010, *CCP Document Preparation, Approval and Control*
	19. CCP-QP-011, *CCP Notebooks & Logbooks*
	20. CCP-QP-015, *CCP Procurement*
	21. CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*
	22. CCP-QP-018, *CCP Management Assessment*
6/6	23. CCP-QP-019, *CCP Quality Assurance Reporting to Management*
	24. CCP-QP-021, *CCP Surveillance Program*
	25. CCP-QP-022, *CCP TRU Software Quality Assurance*
	26. CCP-QP-023, *CCP Handling, Storage, and Shipping*
	27. CCP-QP-027, *CCP Test Control*
	28. CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*
	29. CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*
6/7	30. CCP-TP-001, *CCP Project Level Data Validation and Verification*
6/1	31. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
6/2	32. CCP-TP-003, *CCP Sampling Design andData Analysis for RCRA Characterization*
6/2	33. CCP-TP-005, *CCP Acceptable Knowledge Documentation*
6/6	34. CCP-TP-028, *CCP Radiographic Test and Training Drum Requirements*
	35. CCP-TP-030, *CCP TRU Waste Certification and WWIS Data Entry*
6/7	36. CCP-TP-056, *CCP HSG Performance Demonstration Plan*
	37. CCP-TP-058, *CCP NDA Performance Demonstration Plan*

I have read the listed required reading and understand my responsibilities as applicable to procedures above.	Dave Moody 8 June 2005 Trainee Signature Date
Training has received site-specific addendum(s).	Rebecca L Walker 6-24-05 CCP Training Date

Site Project Manager (SPM) Qualification Card

Name: Dave Moody		Badge #: [redacted]
Formal Training	Training Requirements	
	Training	Date Completed
	1. Hazardous Waste Code Assignments Briefing [1]	6/14/05 Rebecca Walker BASED ON PRIOR SYSTEMS TOOL WITH DAVE MOODY, WHO GAVE THE TRAINING AND CONTINUATION WITH DAVE MOODY, THE NCR/CAR BRIEFING WAS COMPLETED 6/15/05.
	2. NCR/CAR Briefing [1]	
	CCP Training has received evidence of the completion of the formal training above.	Rebecca Walker 6-24-05 CCP Training Date
	On-the-Job Training Practical Requirements	SME/OJT Instructor Signature / Date
	1. Demonstrate proficiency in the review of Headspace Gas Batch Data Reports (BDR's).[2] INHS050016 ELL050280,G,M	6/16/05
	2. Demonstrate proficiency in the review of Non-destructive Examination (NDE) BDR's.[2] INRTR050012	6/16/05
	3. Demonstrate proficiency in the review of Non-destructive Assay (NDA) BDR's.[2] INWDA050029 INWDA050030 INWDA050031	6/23/05
	4. Demonstrate proficiency in the review of Visual Examination (VE) BDR's.[2] WCV-IDEF001206619	6/14/05
	5. Demonstrate proficiency in the review of Homogeneous Solids Sampling and Analysis.[3] SEE ATTACHED	6/14/05

Site Project Manager (SPM) Qualification Card

Name: Dave Moody	Badge #: [redacted]
Approvals	
I have completed required reading and formal/informal training for my job position. I fully understand my responsibilities as an **Site Project Manager (SPM) for the site(s) with completed addendum(s) attached with this card.**	Paul W Moody 6/23/05 Trainee Signature Date
I approve this employee to perform the duties of **Site Project Manager (SPM) for the site(s) with completed addendum(s) attached with this card.**	J. R. Stroble 6/24/05 CCP Program Manager Date
Each SME/OJT Instructor involved in the trainee validation of this OJT shall print and sign their name on the following blanks.	Paul C. Gerrett [signature] 6/23/05 Printed Name SME / OJT Signature
	N/A N/A Printed Name SME / OJT Signature
This qualification card has been reviewed for completeness and signature verification by CCP Training.	Patricia Walker 6-24-05 CCP Training Date

[1] Documentation in training file.
[2] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM.
[3] Proficiency for Solids Sampling and Analysis will be demonstrated and documented on SPM-01a, Attachment 1 - On-the-Job Training (OJT) for Homogeneous Solids Sampling and Analysis.

Approved for format:	D. Freeze (Original Signature on File)	06/14/04
	CCP Training	Date
Approved for content:	S. Rose (Original Signature on File)	06/14/04
	CCP Site Project Manager	Date
Approved for use:	J. R. Stroble (Original Signature on File)	06/14/04
	Cognizant Manager	Date

Reference CBFO C.AR 08-004 for clarification of position qualification determination.
R. J. Walker 01-09-2008

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Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson	**Badge Number:** [redacted]
Email Address: [redacted]	

Education/Experience

Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Bissett 6/22/10 CCP Training — Date

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform Site Project Manager (SPM) duties for Remote Handled Waste. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and on-the-job training (OJT) process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

Initial/Indoctrination Reading:

1. DOE / WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan (WCPIP)*
2. CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
6. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
7. CCP-QP-002, *CCP Training and Qualification Plan*
8. CCP-QP-004, *CCP Corrective Action Management*
9. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
10. CCP-QP-006, *CCP Corrective Action Reporting and Control*
11. CCP-QP-008, *CCP Records Management*
12. CCP-QP-010, *CCP Document Preparation, Approval and Control*
13. CCP-QP-011, *CCP Laboratory Logbooks*
14. CCP-QP-015, *CCP Procurement*
15. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
16. CCP-QP-018, *CCP Management Assessment*
17. CCP-QP-022, *CCP Software Quality Assurance Plan*
18. CCP-QP-023, *CCP Handling, Storage, and Shipping*
19. CCP-QP-027, *CCP Test Control*
20. CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson | **Badge Number:** [redacted]

Email Address: [redacted]

21. CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*
22. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*
23. CCP-TP-001, *CCP Project Level Data Validation and Verification*
24. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
25. CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*
26. CCP-TP-005, *CCP Acceptable Knowledge Documentation*
27. CCP-TP-028, *CCP Radiographic Test and Training Drum Construction*
28. CCP-TP-056, *CCP HSG Performance Demonstration Plan*
29. CCP-TP-058, *CCP NDA Performance Demonstration Program*
30. CCP-TP-162, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*
31. CCP-TP-163, *CCP Standard Waste Visual Examination*
32. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
33. CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*
34. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
35. CCP-TP-508, *CCP Standard Real-Time Radiography Inspection Procedure*
36. CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*
37. CCP-TP-510, *CCP Remote-Handled Radiography Test and Training Drum Requirements*
38. CCP-TP-511, *CCP Peer Review*
39. CCP-TP-512, *CCP Remote-Handled Waste Sampling*
40. CCP-TP-530, *CCP RH TRU Waste Certification and WWIS Data Entry*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.

Laura Nelson — Trainee Signature — 6/21/10 — Date

Document	Additional Training Requirements		
CCP-PO-001	1. WAP/QAPjP Briefing and Test 4/1/10	Michele Billett — CCP Training	6/21/10 Date
	2. Hazardous Waste Number Assignments Briefing and Test 4/1/10	Michele Billett — CCP Training	6/21/10 Date
	3. Solid and Soils Sampling and Analysis for Site Project Managers (SPM) Briefing	Hilario J. Nieves — CCP SPM	6-22-10 Date

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

	4. Statistical Sampling Briefing	Thomas R Gatliffe 6/22/10 CCP SPM Date
	5. NCR/CAR Briefing (Provided by CCP/QA Organization)	Christine Gregory 6/22/10 CCP/QA Organization Date
CCP-VE-101	6. Visual Examination (VE) TRU Waste Characterization Briefing	Larry Porter Larry Porter 6/22/10 CCP SPM Date
CCP-RTR-101	7. Real-Time Radiography TRU Waste Characterization Briefing.	Larry Porter Larry Porter 6/22/10 CCP SPM Date
	8. Incompatibles Determination Training Module	Larry Porter Larry Porter 6/22/10 CCP SPM Date

Formal Training	OJT Knowledge Requirements	Subject Matter Expert (SME) Signature/Date
DOE/WIPP 02-3214	1. Define Environmental Protection Agency's (EPA) definition of Visual Examination (VE) of record. Provide an example.	[redacted] 6/17/10
	2. Explain how CCP-TP-500 satisfies the EPA and New Mexico Environmental Department (NMED) criteria.	[redacted] 6/17/10
	3. State the Data Quality Objectives (DQO) and Quality Assurance Objectives (QAO) for each characterization method (e.g., Dose-to-Curie, VE).	[redacted] 6/17/10
	4. State the purpose of CCP-TP-506.	[redacted] 6/17/10
CCP-PO-001	5. Define the term "prohibited item" and give two examples of prohibited items.	[redacted] 6/17/10
	6. Identify the document allowing WIPP to receive and store TRU-mixed waste.	[redacted] 6/17/10

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

	7. Identify and describe the four major methods used by CCP to characterize TRU waste.	Laura Nelson 6/17/10
	8. State three (3) instances when a nonconformance report (NCR) is required for Real-Time Radiography (RTR).	Laura Nelson 6/17/10
	9. State when an NCR is written for VE.	Laura Nelson 6/17/10
	10. State when an NCR is written for Headspace Gas (HSG) Sampling and Analysis.	Laura Nelson 6/17/10
	11. State the difference between a "Z" qualifier and a "J" qualifier.	Laura Nelson 6/17/10
	12. State when a "B" qualifier is used.	Laura Nelson 6/17/10
	13. State when a replicate waste drum is run in RTR.	Laura Nelson 6/17/10
CCP-PO-002	14. State which sites are authorized to ship PCB waste.	Laura Nelson 6/17/10
	15. State the maximum allowed curies per liter activity level (averaged over the volume of the canister).	Laura Nelson 6/17/10
	16. State if machine-compacted waste is allowed to ship to the Waste Isolation Pilot Plant (WIPP).	Laura Nelson 6/17/10
CCP-QP-005	17. State one major purpose for the nonconformance control program.	Laura Nelson 6/17/10
	18. Identify who can initiate an NCR.	Laura Nelson 6/17/10
CCP-QP-008	19. List the responsibilities of record generators.	Laura Nelson 6/17/10

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

Formal Training	OJT Practical Requirements	SME Signature/Date
CCP-QP-010	20. State the storage and control requirements for CCP records.	Dene Q Nelson 6/17/10
	21. Explain the process and proper method to make corrections or revisions to CCP records.	Dene Q Nelson 6/17/10
	22. State the importance of using approved documents.	Dene Q Nelson 6/17/10
	23. State when to verify a document revision.	Dene Q Nelson 6/17/10
CCP-PO-505	24. Discuss the differences in the transportation requirement for RH-TRU 72-B and CNS 10-160B versus the TRUPACT-II.	Dene Q Nelson 6/17/10
CCP-TP-511	25. State the peer review requirements.	Dene Q Nelson 6/17/10
CCP-TP-512	26. Discuss the QAOs for radiochemistry and ICP-MS batch data report (BDR).	Dene Q Nelson 6/17/10
CCP-TP-002	1. Demonstrate proficiency of characterization information summary reports.	Dene Q Nelson 6/17/10
CCP-TP-500	2. Demonstrate proficiency in review of the RH visual examination BDRs.	Dene Q Nelson 6/17/10
CCP-TP-504	3. Demonstrate proficiency in the review of "Dose-to-Curie" BDR.	Dene Q Nelson 6/17/10
CCP-TP-506	4. Complete a Characterization Reconciliation Report (CRR).	Dene Q Nelson 6/17/10

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson [redacted] **Badge Number:** [redacted]

Email Address: [redacted]

CCP-TP-508	5. Demonstrate proficiency in review of the RH Real-time Radiography (RTR) BDRs.	Laura Nelson 6/17/10
	6. Demonstrate the verification of a container meeting the applicable content code limit.	Laura Nelson 6/17/10
CCP-TP-512	7. Demonstrate proficiency in the review of "Remote-Handled Waste Sample" BDR.	Laura Nelson 6/17/10

Central Characterization Project
Effective Date: 06/17/2010

Remote Handled (RH) Site Project Manager (SPM) Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as a RH SPM.	LAURA NELSON Laura Nelson 6/22/10 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH SPM. *(Signature validation by the SME/OJT instructor(s) involved in the training of this individual)*	Irene Quintana Irene Quintana 6/21/10 SME/OJT Instructor *(printed name and signature)* Date N/A SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH SPM.	LG 4/20/11 * Irene Quintana Irene Quintana 6/21/10 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Approval on file** **6/17/2010**
RH SPM SME *(printed name and signature)* Date

Approved for Content: **Approval on file** **6/17/2010**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **Approval on file** **6/17/2010**
CCP Manager Responsible for Training *(printed name and signature)* Date

* Briefings under the Additional Training Requirement was performed 6/22/10. The CCP Lead or alternate SPM date of 6/21/10 was recorded inadvertently. LG 4/22/11

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Site Project Manager (SPM) Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

The requirements of this document are the result of an evaluation as described in CCP-QP-002, *CCP Training and Qualification Plan*.

Education / Experience

Trainee has been selected for this position based on their education, prior-experience, additional certifications, training, etc., as documented in the CCP training files.	Mark Pearcy Mark Pearcy 4-8-10 CCP Program Manager Date

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform SPM duties. Site specific qualification (i.e., BDR review) is valid for the site(s) with completed addenda. * see below Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and OJT process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

WAP/QAPjP Briefing and Test 4/1/10	Michele Bitlett 6/21/10 CCP Training Date
Hazardous Waste Code Assignments Briefing and Test 4/1/10	Michele Bitlett 6/21/10 CCP Training Date
Solid and Soils Sampling and Analysis for Site Project Managers (SPM) Briefing	Michael Wilvatine 5/12/10 Site Project Manager Date
NCR / CAR Briefing (Provided by CCP/QA Organization)	Kristen Kramer 4/8/10 CCP/QA Organization Date
Statistical Sampling Briefing	4/9/10 Site Project Manager Date

Trainee started qualification prior to revision of Qualcard. Based on new process defined in CCP-QP-002 addendum are no longer applicable and the trainee is a qualified SPM. Tracy Forty 6/21/10

Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

Contact-Handled Waste VE and RTR Training	Larry Porter Larry Porter 6/4/10 Site Project Manager Date
Incompatibles Determination Training Module	Michael Valentine 5/12/10 Site Project Manager Date

Required Reading:

1. WP 08.NT.03, *Waste Stream Profile form*
2. CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-003, *CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*
6. CCP-PO-005, *CCP Conduct of Operations*
7. CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
8. CCP-QP-002, *CCP Training and Qualification Plan*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-010, *CCP Document Preparation, Approval and Control*
14. CCP-QP-011, *CCP Notebooks & Logbooks*
15. CCP-QP-015, *CCP Procurement*
16. CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*
17. CCP-QP-018, *CCP Management Assessment*
18. CCP-QP-022, *CCP TRU Software Quality Assurance*
19. CCP-QP-023, *CCP Handling, Storage, and Shipping*
20. CCP-QP-027, *CCP Test Control*
21. CCP-QP-028, *CCP Records Filing, Inventory, Scheduling, and Dispositioning*
22. CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection*
23. CCP-TP-001, *CCP Project Level Data Validation and Verification*
24. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
25. CCP-TP-003, *CCP Sampling Design and Data Analysis for RCRA Characterization*
26. CCP-TP-005, *CCP Acceptable Knowledge Documentation*
27. CCP-TP-028, *CCP Radiographic Test and Training Drum Requirements*
28. CCP-TP-030, *CCP TRU Waste Certification and WWIS Data Entry*
29. CCP-TP-056, *CCP HSG Performance Demonstration Plan*
30. CCP-TP-058, *CCP NDA Performance Demonstration Plan*
31. CCP-TP-160, *CCP Random Selection of Containers for Headspace Gas Sampling and Analysis*

Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson	**Badge Number:** [redacted]
Email Address: [redacted]	

I have read the listed required reading and understand my responsibilities as applicable to the procedures above.	Laura Nelson 4/8/2010 Trainee Signature Date
CCP-PO-005 - Conduct of Operations Comprehensive Exam 4-5-10	Michele Billett 6/21/10 CCP Training Date

Formal Training	On-the-job Training Knowledge Requirements	SME Signature / Date
CCP-PO-001	1. Define the term "prohibited item" and give two examples of prohibited items.	4/9/2010
	2. Identify the document that permits WIPP to receive and store hazardous mixed TRU waste.	4/9/2010
	3. Identify the four major methods used by CCP to characterize TRU waste and briefly describe each method.	4/9/2010
	4. State three (3) instances when an NCR is required for non-destructive examination (NDE).	4/9/2010
	5. State when an NCR is written for visual examination (VE).	4/9/2010
	6. State when an NCR is written for headspace gas (HSG).	4/9/2010
	7. State the difference between a "Z" qualifier and a "J" qualifier.	4/9/2010
	8. State when a "B" qualifier is used.	4/9/2010
	9. Describe the definition of VE of record according to New Mexico Environment Department (NMED). Provide an example.	4/9/2010
	10. State when a duplicate waste drum is run.	4/9/2010

Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

CCP-PO-002	11. State when an NCR is written for non-destructive assay (NDA).	4/9/2010
	12. State which document is the driver for NDA.	4/9/2010
	13. Describe the information to look for in an NDA control chart during V & V review of an NDA batch data report.	6/14/10
CCP-QP-005	14. State one major purpose for the nonconformance control program.	6/14/10
	15. Identify who can initiate a non-conformance report (NCR).	4/9/2010
CCP-TP-005	16. Define the term "acceptable knowledge" and state one use/purpose for acceptable knowledge.	4/9/2010
	17. State where acceptable knowledge information is documented.	4/9/2010
	18. Discuss the AK sufficiency elements.	6/15/10
	On-the-job Training Practical Requirements	**SME Signature / Date**
CCP-TP-001	1. Demonstrate proficiency in the review of headspace gas batch data (BDR) reports.[2]	6/14/10
	2. Demonstrate proficiency in the review of non-destructive examination (NDE) BDRs.[2]	6/15/10
	3. Demonstrate proficiency in the review of non-destructive assay (NDA) BDRs.[2]	6/14/10
	4. Demonstrate proficiency in the review of visual examination (VE) BDRs.[2]	6/15/10
CCP-TP-002	5. Complete a Characterization Information Summary (CIS).	6/17/10

[2] Proficiency will be demonstrated after the completion of BDR reviews in each discipline under the supervision of a qualified SPM

Site Project Manager (SPM)
Qualification Card

Name: Laura Nelson **Badge Number:** [redacted]

Email Address: [redacted]

Approvals		
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an SPM.	6-21-10 Laura Nelson	6/21/10
	Trainee *(printed name and signature)*	Date
Validation by the SME/OJT instructor(s) involved in the training of this individual.	Craig Simmons	6/21/10
	SME/OJT Instructor *(printed name and signature)*	Date
	Michael Wilson	6/15/10
	SME/OJT Instructor *(printed name and signature)*	Date
I approve this employee to perform the duties of an SPM.	Hillari J. Neely	6-21-10
	CCP Site Project Manager *(printed name and signature)*	Date
	Michael C. Sansborn	6-21-10 ~~6-20-10~~ ~~6-20-10~~ RS 6-24-10
	CCP Program Manager *(printed name and signature)*	Date
This qualification card has been reviewed for completeness and signature verification by CCP Training.	Larry Porter	6-21-10
	CCP Training *(printed name and signature)*	Date

Approved for Format: **Alyca Atwood** *(original signature on file)* **02-23-09**
CCP Training — Date

Approved for Content: **Craig Simmons** *(original signature on file)* **02-23-09**
CCP Site Project Manager — Date

Approved for Use: **R. A. Billett** *(original signature on file)* **02-23-09**
CCP Program Manager — Date

Central Characterization Project
Effective Date: 06/08/2011

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AKE-01, Rev. 7
Page 1 of 2

Acceptable Knowledge Expert (AKE) Qualification Card

Name: Kevin Peters	**Badge Number:** [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/8/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 8/6/03	Michele Billett 6/8/11 CCP Training Date

Initial/Indoctrination Reading:

1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*
2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Kevin Peters	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Trainee Signature — Date: 6/8/2011

Formal Training Requirements	
RCRA Training Documentation	Michele Billett — CCP Training — Date: 6/8/11

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	Kevin P. Peters — Trainee *(printed name and signature)* — Date: 6/8/2011
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood — AK Cognizant Manager *(printed name and signature)* — Date: 6/16/11
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA NELSON Laura Nelson — CCP Site Project Manager *(printed name and signature)* — Date: 6-16-11

Approved for Content & Format: **Trey Greenwood (Approval on File)** — Cognizant Engineer — **06/08/2011** — Date

Approved for Content: **Richard Kantrowitz (Approval on File)** — CCP Lead or Alternate SPM — **06/08/2011** — Date

Approved for Use: **A.J. Fisher (Approval on File)** — CCP Manager Responsible for Training — **06/08/2011** — Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jason Montoya	**Badge Number:** [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/14/11 CCP Training Date
Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.
Indoctrination	
WAP/QAPjP Briefing and Test. 2/21/06	Michele Billett 6/14/11 CCP Training Date
	Initial/Indoctrination Reading: 1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit* 2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* 3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* 4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* 5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* 6. CCP-PO-002, *CCP Transuranic Waste Certification Plan* 7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* 8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)* 9. CCP-QP-004, *CCP Corrective Action Management* 10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* 11. CCP-QP-006, *CCP Corrective Action Reporting and Control* 12. CCP-QP-008, *CCP Records Management* 13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jason Montoya	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Trainee Signature 6/8/11 Date

Formal Training Requirements	
RCRA Training Documentation	Michele Billett 6/14/11 CCP Training Date

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	Jason Montoya 6/8/11 Trainee *(printed name and signature)* Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 6/16/11 AK Cognizant Manager *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA Nelson Laura Nelson 6-16-11 CCP Site Project Manager *(printed name and signature)* Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** **06/08/2011**
Cognizant Engineer Date

Approved for Content: **Richard Kantrowitz (Approval on File)** **06/08/2011**
CCP Lead or Alternate SPM Date

Approved for Use: **A.J. Fisher (Approval on File)** **06/08/2011**
CCP Manager Responsible for Training Date

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Central Characterization Project Effective Date: 06/08/2011	AKE-01, Rev. 7 Page 1 of 2

Acceptable Knowledge Expert (AKE)
Qualification Card

Name: Charles Allen Dickerson	**Badge Number:** [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/9/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 8/18/10	Michele Billett 6/9/11 CCP Training Date

Initial/Indoctrination Reading:

1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*
2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Charles Allen Dickerson | **Badge Number:** [redacted]

Email Address: [redacted]

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Trainee Signature — Date: 6-9-2011

Formal Training Requirements

RCRA Training Documentation	Michele Billett 6/9/11 CCP Training — Date

Approvals

I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	C. Allen Dickerson 6-9-11 Trainee *(printed name and signature)* — Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 6/10/11 AK Cognizant Manager *(printed name and signature)* — Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA Nelson Laura Nelson 6/10/11 CCP Site Project Manager *(printed name and signature)* — Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** — Cognizant Engineer — **06/08/2011** Date

Approved for Content: **Richard Kantrowitz (Approval on File)** — CCP Lead or Alternate SPM — **06/08/2011** Date

Approved for Use: **A.J. Fisher (Approval on File)** — CCP Manager Responsible for Training — **06/08/2011** Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jeff Harrison	Badge Number: [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/8/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 12/3/2	Michele Billett 6/8/11 CCP Training Date
	Initial/Indoctrination Reading: 1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit* 2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* 3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* 4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* 5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* 6. CCP-PO-002, *CCP Transuranic Waste Certification Plan* 7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* 8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)* 9. CCP-QP-004, *CCP Corrective Action Management* 10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* 11. CCP-QP-006, *CCP Corrective Action Reporting and Control* 12. CCP-QP-008, *CCP Records Management* 13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jeff Harrison	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Jeffery L. Harrison 6/8/2011 Trainee Signature Date

Formal Training Requirements	
RCRA Training Documentation	Michele Billett 6/20/11 CCP Training Date

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	JEFFERY L. HARRISON Jeffery L. Harrison 6/8/11 Trainee *(printed name and signature)* Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 6/21/2011 AK Cognizant Manager *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA NELSON Laura Nelson 6/22/2011 CCP Site Project Manager *(printed name and signature)* Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** **06/08/2011**
Cognizant Engineer Date

Approved for Content: **Richard Kantrowitz (Approval on File)** **06/08/2011**
CCP Lead or Alternate SPM Date

Approved for Use: **A.J. Fisher (Approval on File)** **06/08/2011**
CCP Manager Responsible for Training Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Michael Papp	Badge Number: [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/8/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 12/15/06	Michele Billett 6/8/11 CCP Training Date

Initial/Indoctrination Reading:

1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*
2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Michael Papp	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Michael J. Papp Trainee Signature — Date: 6/8/11

Formal Training Requirements	
RCRA Training Documentation	Michele Billett — CCP Training — Date: 6/8/11

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	Michael J. Papp Trainee *(printed name and signature)* — Date: 6/8/11
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	AK Cognizant Manager *(printed name and signature)* — Date: 6/16/11
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA NELSON Laura Nelson — CCP Site Project Manager *(printed name and signature)* — Date: 10-16-11

Approved for Content & Format: **Trey Greenwood (Approval on File)** — Cognizant Engineer — **06/08/2011** Date

Approved for Content: **Richard Kantrowitz (Approval on File)** — CCP Lead or Alternate SPM — **06/08/2011** Date

Approved for Use: **A.J. Fisher (Approval on File)** — CCP Manager Responsible for Training — **06/08/2011** Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Sherry Auckland	Badge Number: [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 9/14/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test.	Michele Billett 9/14/11 CCP Training Date

Initial/Indoctrination Reading:

1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*
2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Sherry Auckland	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Sherry Auckland 9/1/2011 Trainee Signature Date

Formal Training Requirements	
RCRA Training Documentation	Michele Billett 9/14/11 CCP Training Date

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	Sherry Auckland Sherry Auckland 9/1/2011 Trainee *(printed name and signature)* Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 9/23/11 AK Cognizant Manager *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	Mark Pearcy Mark Pearcy 9/28/11 CCP Site Project Manager *(printed name and signature)* Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** **06/08/2011**
Cognizant Engineer Date

Approved for Content: **Richard Kantrowitz (Approval on File)** **06/08/2011**
CCP Lead or Alternate SPM Date

Approved for Use: **A.J. Fisher (Approval on File)** **06/08/2011**
CCP Manager Responsible for Training Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jim Schoen	Badge Number: [redacted]
Email Address: [redacted]	

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/9/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 9/20/07	Michele Billett 6/9/11 CCP Training Date

Initial/Indoctrination Reading:

1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*
2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
9. CCP-QP-004, *CCP Corrective Action Management*
10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
11. CCP-QP-006, *CCP Corrective Action Reporting and Control*
12. CCP-QP-008, *CCP Records Management*
13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Jim Schoen	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	James M. Schoen 6/8/2011 Trainee Signature Date

Formal Training Requirements	
RCRA Training Documentation	Michele Billett 6/9/11 CCP Training Date

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	James M. Schoen 6/8/2011 Trainee *(printed name and signature)* Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 6/16/11 AK Cognizant Manager *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA Nelson Laura Nelson 6-16-11 CCP Site Project Manager *(printed name and signature)* Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** **06/08/2011**
Cognizant Engineer Date

Approved for Content: **Richard Kantrowitz (Approval on File)** **06/08/2011**
CCP Lead or Alternate SPM Date

Approved for Use: **A.J. Fisher (Approval on File)** **06/08/2011**
CCP Manager Responsible for Training Date

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Lisa Price-Watson **Badge Number:** [redacted]

Email Address: [redacted]

Education / Experience	
Resume documenting education and experience on file with Central Characterization Project (CCP) Training.	Michele Billett 6/9/11 CCP Training Date

Job Specific Training	
Qualification Limit	There is no qualification time limit for this position. It is a one-time only requirement. Upon completion of this qualification card, the Trainee is qualified to perform all Acceptable Knowledge Expert duties, including the development of acceptable knowledge reports. If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination	
WAP/QAPjP Briefing and Test. 11/15/02	Michele Billett 6/9/11 CCP Training Date
	Initial/Indoctrination Reading: 1. NM4890139088, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit* 2. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* 3. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* 4. DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* 5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* 6. CCP-PO-002, *CCP Transuranic Waste Certification Plan* 7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* 8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)* 9. CCP-QP-004, *CCP Corrective Action Management* 10. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* 11. CCP-QP-006, *CCP Corrective Action Reporting and Control* 12. CCP-QP-008, *CCP Records Management* 13. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*

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Acceptable Knowledge Expert (AKE) Qualification Card

Name: Lisa Price-Watson	**Badge Number:** [redacted]
Email Address: [redacted]	

	14. CCP-TP-001, *CCP Project Level Data Validation and Verification* 15. CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data* 16. CCP-TP-005, *CCP Acceptable Knowledge Documentation* 17. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Lisa Watson 6-8-11 Trainee Signature Date

Formal Training Requirements	
RCRA Training Documentation	Michele Billett 6/9/11 CCP Training Date

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as an AKE.	Lisa Watson Lisa Watson 6-8-11 Trainee *(printed name and signature)* Date
This individual has shown proficiency in the implementation of the requirements for the preparation of Acceptable Knowledge Summary Reports as required by CCP-TP-005.	Trey Greenwood 6/16/11 AK Cognizant Manager *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of an AKE. I approve this employee to perform the duties of an AKE.	LAURA NELSON Laura Nelson 6-16-11 CCP Site Project Manager *(printed name and signature)* Date

Approved for Content & Format: **Trey Greenwood (Approval on File)** **06/08/2011**
Cognizant Engineer Date

Approved for Content: **Richard Kantrowitz (Approval on File)** **06/08/2011**
CCP Lead or Alternate SPM Date

Approved for Use: **A.J. Fisher (Approval on File)** **06/08/2011**
CCP Manager Responsible for Training Date

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Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Irene Quintana	**Badge Number:** [redacted]
Email Address: [redacted]	

Job Specific Training

Qualification Limit	There is no qualification limit for this position. This qualification is a one-time-only requirement. Upon completion of this core qualification card, the Trainee is qualified to perform SPM duties for Remote Handled Waste. Site specific qualification (i.e., BDR review) is valid for the site(s) with completed addenda. Unsatisfactory performance will result in disqualification. If unsatisfactory performance is determined, the qualification card and OJT process must be completed to re-establish qualification.
Requalification Requirements	Not required. See above statement.

Indoctrination

Completed SPM-01 Qualification Card 3/21/06	Michele Bitlett CCP Training	9/17/09 Date

Required Reading:

1. DOE / WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan (WCPIP)*
2. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
3. CCP-QP-036, *CCP Qualification of Acceptable Knowledge for Remote-Handled Transuranic Waste Through a Quality Assurance Equivalency Demonstration*
4. CCP-TP-163, *CCP Standard Waste Visual Examination*
5. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
6. CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*
7. CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
8. CCP-TP-508, *CCP Standard Real-Time Radiography Inspection Procedure*
9. CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*
10. CCP-TP-510, *CCP Remote-Handled Radiography Test and Training Drum Requirements*
11. CCP-TP-511, *CCP Peer Review*
12. CCP-TP-512, *CCP Remote-Handled Waste Sampling*
13. CCP-TP-530, *CCP RH TRU Waste Certification and WWIS Data Entry*

I have read the listed required reading and understand my responsibilities as applicable to the procedures above.	Irene Quintana Trainee Signature	9/16/09 Date
CCP-PO-005 - Conduct of Operations Comprehensive Exam 9/17/09	Michele Bitlett CCP Training	9-17-09 Date

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Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Irene Quintana	Badge Number: [redacted]
Email Address: [redacted]	

Formal Training	On-the-job Training Knowledge Requirements	SME Signature / Date
DOE/WIPP 02-3214	1. Define Environmental Protection Agency's (EPA) definition of visual examination (VE) of record. Provide an example.	N/A not required by initial SME 9/16/09
	2. Explain how CCP-TP-500 satisfies the EPA and NMED criteria.	
	3. State the Data Quality Objectives (DQO) and Quality Assurance Objectives (QAO) for each method (e.g., Dose-to-Curie, VE).	
	4. State the purpose of CCP-TP-506.	
CCP-PO-505	5. Discuss the differences in the transportation requirement for RH-TRU 72-B and CNS 10-160B versus the TRUPACT-II.	N/A Initial SME/OJT mrb 9-17-09
CCP-TP-511	6. State the peer review requirements and which CCP procedure to use.	
CCP-TP-512	7. Discuss the QAOs for radiochemistry and ICP-MS batch data report (BDR).	

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Irene Quintana **Badge Number:** [redacted]

Email Address: [redacted]

Formal Training	On-the-job Training Practical Requirements	SME Signature / Date
CCP-TP-500	1. Demonstrate proficiency in review of the RH visual examination BDRs.	
CCP-TP-504	2. Demonstrate proficiency in the review of "Dose-to-Curie" BDR.	
CCP-TP-506	3. Complete a Characterization Reconciliation Report (CRR).	
CCP-TP-508	4. Demonstrate proficiency in review of the RH Real-time Radiography (RTR) BDRs.	
	5. Demonstrate the verification of a container meeting the applicable content code limit.	
CCP-TP-512	6. Demonstrate proficiency in the review of "Radiochemistry" BDR.	
	7. Demonstrate proficiency in the review of "ICP-MS" BDR.	
	8. Demonstrate proficiency in the review of "Remote-Handled Waste Sample" BDR.	

N/A not required for qualified SME 9/14/09
N/A initial SME/QT - MB 9-17-09

Remote Handled (RH)
Site Project Manager (SPM)
Qualification Card

Name: Irene Quintana | **Badge Number:** [redacted]

Email Address: [redacted]

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as a RH Site Project Manager (SPM).	Irene Quintana Irene Quintana 9/16/09 Trainee *(printed name and signature)* Date
Validation by the SME/OJT instructor(s) involved in the training of this individual.	N/A for initial SME/OJT MB 9-17-09 N/A Not required for initial SME JQ 9/16/09 SME/OJT Instructor *(printed name and signature)* Date N/A SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH Site Project Manager (SPM).	Hillari J. Neely 9-17-09 CCP Site Project Manager *(printed name and signature)* Date Mark Pearcy Mark Pearcy 9-17-09 CCP Program Manager *(printed name and signature)* Date
This qualification card has been reviewed for completeness and signature verification by CCP Training.	Michele Billett Michele Billett 9/17/09 CCP Training *(printed name and signature)* Date

Approved for Format: **Michele Billett (original signature on file)** **8-31-09**
CCP Training Date

Approved for Content: **Craig Simmons (original signature on file)** **8-31-09**
CCP Site Project Manager Date

Approved for Use: **Michael L. Sensibaugh (original signature on file)** **8-31-09**
CCP Program Manager Date

Table C6-2 Acceptable Knowledge (AK) Checklist
SRS/CCP Recertification Audit A-14-04
November 13–15, 2013

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Acceptable Knowledge (AK) Checklist[1]

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	GENERAL REQUIREMENTS					
134	Are the primary document(s) required in Permit Attachment C4 containing acceptable knowledge information available? (Section C4-2)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
135	Has the generator developed a methodology whereby a logical sequence of acceptable knowledge information that progresses from general facility to more detailed waste-specific information can be acquired? (Section C4-2)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
136	Does the site have adequate procedures in place to ensure that the Acceptable Knowledge process is adequately implemented? Do these procedures facilitate the mandatory traceability analysis performed for each Summary Waste Category Group examined during the audit? (Section C4-2)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
137	Does the generator site's TRU mixed waste management program information clearly define (or provide a methodology for defining) waste categorization schemes and terminology, provide a breakdown of the types and quantities of TRU mixed waste generated/stored at the site, and describe how waste is tracked and managed at the generator site (including historical and current operations? Do procedures ensure that waste streams are adequately identified? (Section C4-2a)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
138	Does site documentation procedures indicate that the site will document, justify, and consistently define waste streams and assign EPA hazardous waste numbers? (Section C4-2b)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	REQUIRED AND ADDITIONAL INFORMATION					
140	Does the generator site document that the following must be included in the acceptable knowledge record: • Map of the site with the areas and facilities involved in TRU waste generation, treatment, and storage identified • Facility mission description as related to TRU waste generation and management (e.g., nuclear weapons research may involve metallurgy, radiochemistry, and nuclear physics operations that result in specific waste streams) • Description of the operations that generate TRU waste at the site (e.g., plutonium recovery, weapons design, or weapons fabrication) • Waste identification or categorization schemes used at the facility (e.g., item description codes, content codes) • Types and quantities of TRU mixed waste generated, including historical generation through future projections • Correlation of waste streams generated from the same building and process, as appropriate (e.g., sludge, combustibles, metals, and glass) • Waste certification procedures for retrievably stored and newly generated wastes to be sent to the WIPP facility (Section C4-2a)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
141	Does the generator site document that the following shall be collected for each waste stream: A. Area(s) and/or building(s) from which the waste stream was or is generated B. Waste stream volume and time period of generation (e.g., 100 standard waste boxes of retrievable stored waste generated from June 1977 through December 1977) C. Waste generating process described for each building (e.g., batch waste stream generated during decommissioning operations of glove boxes), including processes associated with U134 waste generation, if applicable. D. Documentation demonstrating how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mined waste) E. Process flow diagrams (e.g., a diagram illustrating glove boxes from a specific building to a size reduction facility to a container storage area). In the case of research/development, analytical laboratory waste, or the similar processes where process flow diagrams cannot be created, a	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	description of the waste generating processes, rather than a formal process flow diagram, may be included if this modification is justified and the justification is placed in the auditable record F. Material inputs or other information that identifies the chemical content of the waste stream and the physical waste form (e.g., glove box materials and chemical handled during glove box operations, events or processes that may have modified the chemical or physical properties of the waste stream after generation, data obtained through visual examination of newly generated waste that later undergoes radiography; information demonstrating neutralization of U134 [hydrofluoric acid] and waste compatibility. (Section C4-2b)					
142	Do site documents/procedures require that the facility will provide a summary to the Permittees that summarizes all information collected, including basis and rationale for all waste stream designations? Is an example of this summary available for audit review? If discrepant hazardous waste data exist in required information, do sites consider applying all hazardous waste numbers, but assess and evaluate the information to determine the appropriate hazardous waste number consistent with RCRA requirements? (Section C4-2b)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
143	Do site procedures indicate that if the required AK information is not available for a particular waste stream, that the waste stream will not be eligible for an AK Sufficiency Determination? (Section C4-2)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
144	Have the following procedures been prepared?: A. Procedures for identifying and assigning the physical waste form of the waste B. Procedures for delineating waste streams and assigning Waste Matrix Codes C. Procedures for resolving inconsistencies in acceptable knowledge documentation D. Procedures for visual examination and/or radiography, if applicable E. For newly generated waste, procedures describing process controls used to ensure prohibited items (specified in the WAP, Permit Attachment C) are documented and managed F. Procedures to ensure radiography and visual examination include a list of prohibited items that the operator shall verify are not present in each container (e.g. liquid exceeding TSDF-WAC limits, corrosives, ignitables, reactives, and incompatible wastes) G. Procedures to document how changes to Waste Matrix Codes, waste stream assignment, and associated Environmental Protection Agency hazardous waste numbers based on material composition are documented for any waste H. Procedures that ensure the assignment of EPA hazardous waste numbers is appropriate, consistent with RCRA requirements, and adequately considers site historical waste management I. Procedures for estimating waste material parameter weights (Section C4-2b)	**D, F & I:** CCP-TP-053 (All) **D, E & F:** CCP-TP-500 (All) CCP-TP-113 (All)	Y	**D, F & I:** SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** **D, E, & F:** SRSRHVE13001 **(VE-1)**	Y	For AK refer to C6-3, May 8, 2012
145	Does the generator provide procedures or written commitment to collect additional acceptable knowledge information, as available and as necessary to augment mandatory information? (Section C4-2c)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
146	Does the generator site document that all additional specific, relevant information used in the acceptable knowledge process will be identified and its use explained? Is all necessary information assembled and has it been appropriately used? (Section C4-2c)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
147	Does the generator site discrepancy analysis documentation (for acceptable knowledge additional and required documentation) indicate that if discrepancies are detected, the site may consider applying all hazardous waste numbers indicated in the required and additional information, but must assess and evaluate the information to determine the appropriate hazardous waste numbers consistent with RCRA requirements? (Section C4-2c)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
	TRAINING					
148	Does the generator site have procedures to ensure that all personnel involved with acceptable knowledge waste characterization have the following training, and is this training documented? A. WIPP WAP in Permit Attachment C and the TSDF-WAC specified in this permit B. State and Federal RCRA regulations associated with solid and hazardous waste characterization C. Discrepancy resolution and reporting D. Site-specific procedures associated with waste characterization using acceptable knowledge (Section C4-3a)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
	PROCEDURES					
149	Has the generator site developed the following procedures, and are these procedures technically sufficient? A. Sites must prepare and implement a written procedure outlining the specific methodology used to assemble acceptable knowledge records, including the origin of the documentation, how it will be used, and any limitations associated with the information (e.g., identify the purpose and scope of a study that included limited sampling and analysis data). B. Sites must develop and implement a written procedure to compile the required acceptable knowledge record. C. Sites must develop and implement a written procedure that ensures unacceptable wastes (e.g., reactive, ignitable, corrosive) are identified and segregated from TRU mixed waste populations sent to WIPP. D. Sites must prepare and implement a written procedure to evaluate acceptable knowledge and resolve discrepancies. For example, if different sources of information indicate different hazardous wastes are present, then sites must include all sources of information in its records and may choose	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	to either conservatively assign hazardous waste numbers, or assign only those numbers deemed appropriate and consistent with RCRA requirements. All information used to justify assignment of hazardous waste numbers must be placed in the auditable record. Further, the assignment of hazardous waste numbers shall be tracked in the auditable record to all required documentation.					
149a	E. Sites must prepare and implement a written procedure to identify hazardous wastes and assign the appropriate hazardous waste numbers to each waste stream. The following are minimum baseline requirements/standards that site-specific procedures must include to ensure comparable and consistent characterization of hazardous waste: 1. Compile all of the required information in an auditable record. 2. Review the compiled information and delineate waste streams. Delineation of waste streams must comply with the WAP definition in Permit Attachment C, Section C-0a, and justify combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream. 3. Review the compiled information to determine if the waste stream is compliant with the TSDF-WAC 4. Review the required information to determine if the waste is listed under 20.4.1.200 NMAC (incorporating 40 CFR 261), Subpart D. Assign all listed hazardous waste numbers, unless the site chooses to justify an alternative assignment and document the justification in the auditable record. 5. Review the required information to determine if the waste exhibits a hazardous characteristic or may contain hazardous constituents included in the toxicity characteristics specified in 20.4.1.200 NMAC (incorporating 40 CFR 261, Subpart C. If a toxicity characteristic contaminant is identified and is not included as a listed waste, sites may evaluate available data and assign the toxicity characteristic hazardous waste number consistent with RCRA requirements. All data examined to reach the hazardous waste number determination must be placed in the auditable record and must present a clear justification for the hazardous waste number analyses. 6. Review the compiled information to provide an estimate of the material parameter weights for each container to be stored or disposed of at WIPP. For newly generated waste, procedures shall be developed and implemented to characterize hazardous waste using acceptable knowledge prior to packaging.	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
149b	F. Sites shall ensure that results of audits of the TRU mixed waste characterization programs at the site are available in the records.	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	G. Sites shall identify all process controls (implemented to ensure that the waste contains no prohibited items and to control hazardous waste content and/or physical form) that have been applied to retrievably stored waste and/or may presently be applied to newly generated waste. Process controls are applied at the time of waste generation/packaging to control waste content, whereas any activities performed after waste generation/packaging to identify prohibited items, hazardous waste content, or physical form are waste characterization activities, not process controls. The AK record must contain specific process control and supporting documentation identifying when these process controls are used to control waste content. See Permit Attachment C, Section C-2 for programmatic requirements related to process controls. (Section C4-3b)					
150	Does the site have implemented procedures which comply with the following criteria to establish acceptable knowledge records: A. Acceptable knowledge information shall be compiled in an auditable record, including a road map for all applicable information. B. The overview of the facility and TRU mixed waste management operations in the context of the facility's mission shall be correlated to specific waste stream information. C. Correlations between waste streams, with regard to time of generation, waste generating processes, and site-specific facilities shall be clearly described. For newly generated wastes, the rate and quantity of waste to be generated shall be defined. D. A reference list shall be provided that identifies documents, databases, Quality Assurance protocols, and other sources of information that support the acceptable knowledge information. E. Container inventories for TRU mixed waste in retrievable storage shall be delineated into waste streams by correlating the container identification to all of the required and additional AK information. (Section C4-3c)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
151	If the generator site submitted an AK Sufficiency Determination Request for a specific waste stream, did the site provide all of the requisite information for which approval is sought? (Section C-0b)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
	RE-EVALUATING ACCEPTABLE KNOWLEDGE					
152	Does the generator site have written procedures for the augmentation of all acceptable knowledge information using testing. Testing consists of radiography and visual examination. Do site procedures indicate that the following testing will be	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	conducted based upon the results of the Determination Request AKSD denied - 100% RTR or VE (Section C4-1, C-0b)					
155	Does the generator site have procedures for reevaluating acceptable knowledge if the results of the waste characterization indicate that the waste to be shipped does not match the approved waste stream or if the data from radiography or visual examination for waste streams without an AK Sufficiency Determination exhibit this discrepancy? Does this procedure describe how the waste is reassigned, acceptable knowledge reevaluation, and appropriate hazardous waste numbers are assigned? (Section C4-3e)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
156	Do site procedures indicate that debris wastes are assigned toxicity characteristic EPA numbers based on AK regardless of the quantity or concentration? (C4-3e)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	CRITERIA FOR ASSEMBLING AN ACCEPTABLE KNOWLEDGE RECORD DELINEATING THE WASTE STREAM					
158	If wastes are reassigned to a different waste matrix code based on site visual examination or radiography or Permittee confirmation activities, does the generator site have written documentation to ensure that the following steps are followed: A. Review existing information based on the container identification number and document all differences in hazardous waste number assignments B. If differences exist in the hazardous waste numbers that were assigned, reassess and document all required acceptable knowledge information (Section C4-3b) associated with the new designation C. Reassess and document all testing data associated with the waste D. Verify and document that the reassigned waste matrix code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during radiography or visual examination E. Record all changes to acceptable knowledge records F. If discrepancies exist in the acceptable knowledge information for the revised waste matrix code, document the segregation of the affected portion of the waste stream, and define the actions necessary to fully characterize the waste (Section C4-3e)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
	DATA QUALITY REQUIREMENTS					
168	Are acceptable knowledge processes consistently applied among all generator sites, and does each generator site comply with the following data quality requirements for acceptable knowledge documentation: A. Precision - The qualitative determinations, such as compiling and assessing acceptable knowledge documentation, do not lend themselves to statistical evaluations of precision. However, the acceptable knowledge information will be addressed by the independent review of acceptable knowledge information during internal and external audits. B. Accuracy - The percentage of waste containers which require reassignment to a new waste matrix code and/or designation of different hazardous waste numbers based on testing data and discrepancies identified by the Permittees during waste confirmation will be reported as a measure of acceptable knowledge accuracy.	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

	WAP Requirement[2] SRS/CCP Audit A-14-04 Table C6-2 Acceptable Knowledge (AK) Checklist[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	C. Completeness - The acceptable knowledge record must contain 100 percent of the information (Permit Attachment C4-3). The usability of the acceptable knowledge information will be assessed for completeness during audits.					
168a	D. Comparability - Comparability is ensured through sites meeting the training requirements and complying with the minimum standards outlined for procedures that are used to implement the acceptable knowledge process. All sites must assign hazardous waste numbers in accordance with Permit Attachment C4-4 and provide this information regarding its waste to other sites who store or generate a similar waste stream. E. Representativeness - Representativeness is a qualitative parameter that will be satisfied by ensuring that the process of obtaining, evaluating, and documenting acceptable knowledge information is performed in accordance with the minimum standards established in Permit Attachment C4. Sites also must assess and document the limitations of the acceptable knowledge information used to assign hazardous waste numbers (e.g., purpose and scope of information, date of publication, type and extent to which waste parameters are addressed). (Section C3-3)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012
169	Does the generator site address quality control by tracking its performance with regard to the use of acceptable knowledge by: 1) assessing the frequency of inconsistencies among information, and 2) documenting the results of waste discrepancies identified by the generator/storage site during waste characterization or the Permittees during waste confirmation using radiography, review of radiography audio/video recordings, or visual examination, or review of visual examination records. In addition, the acceptable knowledge process and waste stream documentation must be evaluated through internal assessments by generator/storage site quality assurance organizations. (Section C4-3e)	N/A	N/A	N/A	N/A	Refer to C6-3, May 8, 2012

1. NMED expects a traceability analysis to be performed, the results of which should be presented on this checklist under the "Examples of Implementation" column. Further, the traceability analysis process and results should be discussed in the Final Audit Report.

2. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements are meant to determine whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Table C6-2 Solids and Soils/Gravel Sampling Checklist
SRS/CCP Recertification Audit A-14-04
November 13–15, 2013

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Solids and Soils/Gravel Sampling Checklist

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	GENERAL SOLIDS SAMPLING REQUIREMENTS					
75	Are procedures documented that adequately ensure that when a Determination Request has not been approved, sampling and analysis of newly generated homogeneous solid and soil/gravel waste streams shall be conducted in accordance with the requirements specified in Attachment C1, Section C1-2? (Section C-3d(1)(a))	N/A	N/A	N/A	N/A	SRS/CCP has not submitted a Determination Request. Solids sampling and analysis is performed by INL and are audited separately.
76	Are procedures in place to ensure that the number of newly generated soils/gravel waste containers to be randomly sampled will be determined using the procedure specified in Section C2-1, wherein a statistically selected portion of the waste will be sampled? (Section C-3d(1)(a))	CCP-TP-162 (All)	Y	Solid Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Absorbed Organic Liquids, Waste Stream SR-W027-321-322M-HOM Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-10)** Solids Random Selection Memorandum For The First Random Sample Lot Of Containers Of CH Hydraulic Sludge And Debris, Waste Stream SR-BCLDP.003.001 Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-11)**	Y	No newly generated soils/gravel waste since the last audit
77	Are procedures in place to ensure that the following sample collection requirements for retrievably stored and newly generated waste streams are met: • The number of random samples collected for characterization of retrievably homogeneous solid and soil/gravel stored waste is performed by developing preliminary mean and variance estimates for each analyte to define the number of required random samples; and that the sample selection process is adequately documented. • A minimum of 5 waste containers in a retrievably stored waste streams	CCP-TP-162 (All) CCP-TP-001 S. 4.2 CCP-TP-003 S. 4.1	Y	SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V	Y	

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	are sampled to establish the preliminary estimate for the number of samples. • Based on the number of samples required by the preliminary estimate, the subsequent sample means and deviations for each analyte are evaluated against the regulatory threshold for each constituent to determine if additional samples shall be collected. • Samples (the number of which is statistically determined) are collected to verify that a TRU mixed waste is below the regulatory threshold, where the regulatory threshold is the toxicity limit for toxicity characteristics and the PRQL for listed waste constituents. • Samples from preliminary estimates counted as required samples were randomly selected and were collected, analyzed, and validated using representative methods (Section C2-1a)			ALD12031S ALD12031N ALD12031M **(GEN-6)** Solid Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Absorbed Organic Liquids, Waste Stream SR-W027-321-322M-HOM Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-10)** Solids Random Selection Memorandum For The First Random Sample Lot Of Containers Of CH Hydraulic Sludge And Debris, Waste Stream SR-BCLDP.003.001 Being Characterized By The Central Characterization Project At The Savannah River Site **(GEN-11)**		
80	Are procedures in place that allow toxicity characteristic contaminants associated with F-numbers for a waste stream to be omitted from sampling requirements? (Section C2-1a)	CCP-TP-003 S. 4.1, second note	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S	Y	

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				ALD12031N ALD12031M **(GEN-6)**		
	SOLIDS SAMPLING PROCEDURES					
81	Do procedures ensure that samples for retrievably stored waste are collected using appropriate coring tools or other EPA approved methods, and that newly generated wastes that are sampled from a process as it is generated are sampled using EPA approved methods, including scoops and ladles, that are capable of collecting a representative sample? (Section C1-2a)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
82	Do site specific procedures, QAPjPs, and/or SOPs indicate that rotational coring tools are available for the collection of cores and non-rotational coring tools available for collection of cores in relatively soft media? The method used shall be appropriate to retrieve the maximum core amount. The coring tools will include the following features: • Removable tube liners constructed of rigid materials unlikely to affect the composition and/or concentration of target analytes in the sample core (Teflon®) and sufficiently transparent to allow visual examination of the core. The liner outer diameters are between 1-2 inches and the liner wall thickness is no greater than 1/16 inch. The liner shall fit flush with the coring tool inner wall and be of sufficient length to hold a core representative of the waste along the entire depth of the waste. • Sleeves composed of polycarbonate, Teflon, or glass for most samples and brass or stainless steel for non-metal samples • Liner end caps shall fit tightly around the ends of the liner and shall be composed of materials unlikely to affect the composition and/or concentration of analytes in the core (Teflon®) • Spring retainers shall be used when the physical properties of the sampling media may cause the sample to fall out of the liner. The retainer shall be composed of inert materials and the inner diameter shall not be less than the inner diameter of the liner • Coring tools may have an air lock mechanism. The air lock shall also close when the core is removed from the waste container • Core extruders shall be used to extrude the liner if the liner does not slide freely • Coring tools shall be of sufficient length to hold the liner and shall be constructed to allow placement of the liner leading edge as close as possible to the coring tools leading edge	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
82a	• All surfaces of the coring tool that have the potential to contact the sample core or sample media shall be cleaned prior to use	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Rotational coring tools shall have a mechanism to minimize inner liner rotation and shall be designed to minimize frictional heat transfer to the sample core • The leading edge of the coring tool ~~is~~ may be sharpened and tapered to a diameter equivalent or slightly smaller than the inner diameter of the liner. • Non-Rotational coring tools shall be designed to minimize the kerf width (1/2 the difference between the outer diameter of the tool and the tools inlet inner diameter) (Section C1-2a(1))					
83	Does the site adequately document that the liner material and retainers are not likely to contain any analytes of concern? (Section C1-2a(1))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
84	Are procedures in place to ensure that equipment blanks are collected and evaluated to verify that liner material, retainers, or other sampling equipment in contact with the sample do not contain analytes of concern? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
	SAMPLE COLLECTION					
85	Are procedures in place to ensure that sampling is completed in a timely manner, within 60 minutes of core collection, or that the core shall remain in the capped liner, or the coring tool shall remain in the waste container with the air lock mechanism attached? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
86	Are procedures in place to ensure that VOC samples are sampled prior to extruding the core from the liner and that the sample locations are documented? These samples may be collected by choosing a single sample from the representative subsection of the core, or three equal length VOC sample locations on the core are selected randomly along the long axis of the core to form a single 15-gram composite sample. Smaller sample sizes may be used if method PRQL requirements are met for all analytes. (Section C1-2a(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
87	Are procedures documented to ensure that a VOC sample is collected using a metal coring cylinder or equivalent equipment as described in SW-846 and that the sample is immediately extruded into a 40 mL VOA vial (or other containers specified in appropriate SW-846 methods)? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
88	Are procedures in place to ensure that SVOC and Metals sample location(s) on the core are selected randomly along the long axis of the core and that the sample locations are documented, or that samples are collected at the same	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	locations as VOC samples? Samples may be collected by splitting or compositing the representative subsection of the core. The representative subsections are chosen by randomly selecting a location along the portion of the core from which the sample was taken? (Section C1-2a(2))					
89	Are procedures in place to ensure that the SVOC and Metals sample s are collected using equipment constructed of materials unlikely to affect the composition or concentrations of the samples? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
90	Are procedures in place to ensure that newly generated waste samples collected by means other than coring are collected as soon as possible and that spatial and temporal homogeneity is evaluated to determine if composite or grab samples are appropriate? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
91	Are procedures in place to ensure sample volumes, preservatives, containers, and holding times meet the following specifications: Minimum sample quantity VOC 15 grams SVOC 50 grams Metals 10 grams (Quantity may be increased or decreased according to the requirements of the analytical laboratory, as long as the QAOs are met.) Preservative VOC Cool to 4C SVOC Cool to 4C Metals Cool to 4C Sample Container VOC 40 mL VOA glass vial (or other appropriate containers) cap SVOC glass jar with Teflon® lined cap Metals polyethylene or polypropylene bottle Holding Time from Date of Collection VOC 14 days prep/40 days analyze SVOC 14 days prep/40 days analyze Metals 180 days/ 28 days Hg (Table C1-4)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
	QUALITY CONTROL SAMPLE COLLECTION					
92	Are procedures in place to ensure that sampling precision will be determined through the collection of co-located core field duplicate samples for core samples and through the collection of co-located samples for samples collected using alternate methods at the frequency of once per 20 sample batch collected	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	over 14 days or once per week, whichever is more frequent? (Section C1-2b(1))					
93	Are procedures in place to ensure that co-located cores are collected side by side as close as feasible to each other, that the cores are collected and handled in the same manner? (Section C1-2b(1))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
94	Are procedures in place to ensure that an additional sampling location is found or new co-located cores are collected if the visual examination of the original co-located cores detects inconsistency in the sample color, texture, or waste type? (Section C1-2b(1))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
95	Are procedures in place to ensure that all surfaces of sampling tools that have the potential to come into contact with the sample, including tube liners, endcaps, spring retainers, extruders, coring tool surfaces, or any other sampling equipment, are either thoroughly decontaminated or disposed of after each sampling event? (Sections C1-2b(2), C1-2b(3))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
96	Are procedures in place to ensure that equipment blanks are collected from randomly selected fully assembled coring tools or randomly selected liners (if they are cleaned separately) and from randomly selected sampling equipment (e.g. VOC subsampler, spoons, bowls) at a frequency of once per equipment cleaning batch and that the sample is collected prior to first use? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
97	Are procedures in place to ensure that equipment blanks will be collected in the area where sampling equipment coring tools are cleaned, prior to covering the coring tools with protective wrapping and storage? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
99	Are procedures in place to ensure that miscellaneous sampling tool equipment blanks will be collected by pouring deionized or HPLC water over the surface of the equipment and into a clean sample container appropriate for the requested analysis? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
100	Are procedures in place to ensure that equipment blanks are analyzed for VOC, SVOC, and Metals and that the entire equipment batch will be re-cleaned and re-sampled if any analytes are detected at levels greater than 3 times the MDL or PRDL? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
101	Are procedures and processes in place to ensure that equipment blanks are traceable to a specific equipment cleaning batch and that the equipment cleaning batch is traceable to specific identified sampling equipment? Are sampling equipment or coring tools labeled with unique identification numbers	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	that are referenced in field records? (Section C1-2b(3))					
102	Are procedures in place to ensure that disposable sampling equipment is certified as clean prior to use? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
	SAMPLE EQUIPMENT TESTING, INSPECTION AND MAINTENANCE					
103	Are procedures in place to ensure that all sampling and coring tools are tested prior to use in accordance with manufacturers specification to ensure that the air-lock mechanism and rotation mechanism are in working order? (Section C1-2c)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
104	Are procedures in place to ensure that malfunctioning sampling and coring tools are repaired or replaced prior to use? (Section C1-2c)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
105	Are procedures in place to ensure that all equipment is cleaned, sealed inside a protective wrapping and stored in a clean area? (Section C1-2c)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
106	Are procedures in place to ensure that an adequate spare part inventory is available? (Section C1-2c)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
107	Are procedures in place to ensure that all equipment maintenance and repair is documented in field records and that field record logbooks are available to document equipment maintenance and repair activities? (Section C1-2c)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
108	Are procedures in place to ensure that inspection of equipment and work area cleanliness will encompass the following: • Sample collection equipment in the immediate area of sample collection shall be inspected daily for cleanliness and that any visible contamination that has a potential to contaminate a waste sample shall be thoroughly cleaned upon discovery • The waste coring and sampling work areas shall be maintained in clean condition • Expendable equipment shall be visually inspected for cleanliness prior to use and properly discarded after use • Protective wrapping on coring tools and other sampling equipment are visually inspected prior to unwrapping. Coring tools or other equipment with torn protective wrappers or with visible contamination are returned to be cleaned or properly discarded prior to use. • All sampling equipment shall be visually inspected prior to use to determine if protective wrapping is torn or if equipment is contaminated	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	after unwrapping. Equipment with torn wrapping or signs of contamination will be returned for cleaning or properly discarded. • Clean sampling and coring equipment is segregated from all equipment that has not been decontaminated. (Section C1-2c)					
109	Are procedures documented to ensure that scales used for weighing sub-samples are calibrated as necessary to maintain its operation within manufacturer's specification, that the calibration is documented, that calibration is verified using NIST traceable weights upon each day of use, and that all calibration verification is documented in field records? (Section C1-2d)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
	SAMPLE HANDLING AND CUSTODY					
111	Do formats for field logs and custody records specify documentation of the following information: • Signature of individual initiating custody control, along with the date and time • Documentation of sample numbers for each sample under custody. Sample numbers will be referenced to a specific sampling event description that will identify the sampler(s) through signature, date and time of sample collection, type/number containers for each sample, sample matrix, preservatives (if applicable), requested methods of analysis, place/address of sample collection and the waste container number • For off-site shipping, method of shipping transfer, responsible shipping organization or corporation, and associated air bill or lading number.	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
111a	• Signatures of custodians relinquishing and receiving custody of samples including date and time of transfer. • Description of final sample container disposition, along with signature of individual removing sample container from custody • Comments section • Documentation of discrepancies, breakage or tampering (Section C1-5)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
112	Are procedures in place to ensure that samples and sampling equipment are identified with unique identification numbers? (Section C1-5)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
113	Do sample tags or labels contain the following information: • Sample ID number • Sampler initials and organization • Ambient temperature and pressure (for gas samples only) • Sample description • Requested analysis • Date and time of collection • QC designation (if applicable) (Section C1-5)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
114	Are procedures in place to ensure waste containers and samples are sealed with intact custody seals and that one or more of the following custody conditions are met: • It is in the possession of an authorized individual • It is in the view of an authorized individual, after being in the possession of that individual • It was in the possession of an authorized individual and access to the sample was controlled by locking or placement of signed custody seals that prevent undetected access • It is in a designated secure area, such as a controlled access location with complete documentation of personnel access or a radiological containment area (hot cell or glove box) (Section C1-5)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
117	Are procedures in place to ensure that sample custody is maintained until the sample is released by the SPM or is expended? (Section C1-5)	CCP-TP-180 S. 4.9	Y	Chain of Custody sample dispositions **(GEN-12)**	Y	Solids analysis is performed by INL and is audited separately.
118	Are procedures in place to ensure that samples in glass jars are wrapped in plastic to prevent breakage and placed in appropriate containers, such as coolers, for shipment? (Section C1-6)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
119	Are procedures in place to ensure that adequate cold packs are included in the sample shipping container to ensure that all temperature requirements are met? (Section C1-6)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
120	Are procedures in place to ensure that sample COC forms are secured for shipment to the inside of the sealed and locked shipping container ~~lid~~ and that	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	samples and shipping containers are affixed with tamper proof seals? (Section C1-6)					
121	Are procedures in place to ensure that appropriate blank samples are included with each shipment container containing VOC samples? (Section C1-6)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
122	Are procedures in place to ensure that a custody seal or device is securely affixed across the lid and body of each sample and shipment container, and is traceable to the individual who affixed the seal or device? (Section C1-6)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
	LABORATORY OPERATIONS					
123	Are procedures in place to ensure that only laboratories that are qualified through participation in the Performance Demonstration Program are eligible to analyze waste samples? (Section C-3a(3))	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.
124	Are procedures available from all participating laboratories that adequately document that custody is maintained until the sample is released by the site project manager or until the sample is expended? (Section C1-5)	CCP-TP-180 S. 4.9	Y	Chain of Custody sample dispositions **(GEN-12)**	Y	Solids sampling and analysis are performed by INL.
	VOLATILE AND SEMI-VOLATILE ANALYSIS OF CORE SAMPLES					
125	Are procedures documented to ensure that all VOC and SVOC analyses are evaluated using the following criteria: • GC/MS Tunes, Initial Calibrations and Continuing Calibration will be performed and evaluated using criteria in Table C3-5 (VOCs) or Table C3-7 (SVOCs) and SW-846 methods • Precision is shall be assessed through analyzing of laboratory duplicates or matrix spike duplicates, LCS replicates, and PDP blind-audit samples in comparison to Table C3-4 (VOCs) and Table C3-6 (SVOCs). • Accuracy as %R is shall be assessed through evaluation of LCS, Matrix spikes, PDP blind-audit samples, and surrogate compounds in comparison to criteria in Table C3-4 and Table C3-5 (VOCs) and Table C3-6 and Table C3-7 (SVOCs) or the SW-846 method. • Laboratory completeness shall be expressed as the number of samples analyzed with valid results as a percent of the total number of samples collected. • Comparability is assessed through use of standardized SW-846	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	methods sample preparation and methods that meet the QAO requirements in Tables C3-4 and C3-5 (VOCs) and Tables C3-6 and C3-7(SVOCs), traceable standards, and by requiring participation in the PDP. • Representativeness is assured through the use of unbiased sample collection. • Results and method detection limits are expressed in Mg/Kg. • All method detection limits and program required quantitation limits shall be less than or equal to the limits listed in Table C3-4 or Table C3-6 and the detection limit study procedures shall be documented in SOPs. (Section C3-6 and C3-7)					
126	Are procedures documented to ensure that Tentatively Identified Compounds shall be added to the target analyte list if detected in a given waste stream if they are reported in 25% of the waste containers sampled from a given waste stream, and if they appear in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list? (Section C-3a(1))	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.
126a	Are procedures documented to ensure that the following criteria are met with regard to the recognition and reporting of TICS for GC/MS Methods for homogeneous solids and soils and gravels in accordance with SW-846 criteria: • Relative intensities of major ions in the reference spectrum (ions greater than 10% of the most abundant ion) should be present in the sample spectrum. • The relative intensities of the major ions should agree within ± 20 percent. • Molecular ions present in the reference spectrum should be present in the sample spectrum. • Ions present in the sample spectrum but not in the reference spectrum should be reviewed for possible background contamination or presence of coeluting compounds. • Ions present in the reference spectrum but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting peaks. • The reference spectra used for identifying TICs shall include, at minimum, all of the available spectra for compounds that appear in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list. The reference spectra may be limited to VOCs when analyzing headspace	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	gas samples. • TICs for headspace gas analyses that are performed through FTIR analyses shall be identified in accordance with the specifications of SW-846 Method 8410. (Section C3-1)					
126b	TICs shall be reported as part of the analytical batch data reports for GC/MS Methods in accordance with the following minimum criteria: • a TIC in an individual container headspace gas or solids sample shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 10% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 2 to 5 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 2% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 6 to 10 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 1% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 11 to 20 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 0.5% of the area of the nearest internal standard. (Section C3-1)	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	METALS ANALYSIS OF CORE SAMPLES					
127	Are procedures in place to ensure that all Metals analyses are evaluated using the following criteria: • Precision shall be assessed by analyzing of laboratory sample duplicates or laboratory matrix spike duplicates, LCS replicates, and PDP blind audit samples in comparison to Table C3-8 • Accuracy is shall be assessed through analysis of laboratory , matrix spikes, PDP blind-audit samples, serial dilutions, interference check samples, and laboratory control samples in comparison to criteria in Tables C3-8 and C3-9 • Instrument detection limits are expressed in ug/L and results are listed in Mg/Kg. • All instrument detection limits and program required detection limits shall be less than the limits listed in Table C3-8 and the detection limit study procedures shall be documented in laboratory SOPs. The Instrument detection limits shall be less than the associated PRDL for each analyte *(This requirement is not mandatory if the sample concentrations are greater than 5 times the instrument detection limit (IDL) for a method)* • Instrument detection limits shall be determined semiannually using procedures documented in laboratory SOPs	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.
127a	• Laboratory completeness shall be expressed as the number of samples analyzed with valid results as a percent of the total number of samples submitted for analysis. • Comparability is assessed through use of standardized SW-846 sample preparation and methods that meet the QAO requirements in Tables C3-8 and C3-9, demonstrating successful participation in the PDP and use of traceable standards. • Representativeness is assured through the use of unbiased sample collection and preparation of samples using unbiased methods. • Results PRQLs are expressed in Mg/Kg wet weight (Section C3-8)	N/A	N/A	N/A	N/A	Solids analysis is performed by INL.

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	QUALITY ASSURANCE OBJECTIVES					
128	Are procedures in place to ensure that the sample completeness rate is expressed as the number of valid samples collected as a percentage of the total samples collected for each waste stream? The rate must be greater than 90 percent for all compounds in a waste stream. (Section C3-3)	CCP-TP-002 Att. 1	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V ALD12031S ALD12031N ALD12031M **(GEN-6)**	Y	
129	Are procedures in place to ensure that sampling operations are comparable through the use of standardized procedures, sampling equipment, and measurement unit's participation in the PDP? (Section C3-3)	N/A	N/A	N/A	N/A	Solids sampling and analysis are performed by INL.
130	Are procedures in place to ensure that sampling precision shall be determined through the collection of field duplicates at a rate of 1 per sampling batch (up to 20 samples) or 1 per week, whichever is more frequent? (Section C3-3)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
131	Are procedures in place to ensure that the variance measured between co-located core samples is compared to the variance within the waste stream using the F-test? (Section C3-3)	CCP-TP-001 S. 4.4	Y	Co-Located Sample Relative Percent Difference And F-Test Report For Savannah River Site Solids Sampling Batch SSG12-00007 (Container SR500174); Co-Located Sample Relative Percent Difference And F-Test Report For Savannah River Site Solids Sampling Batch SSC12-00006 (Containers	Y	

	WAP Requirement SRS/CCP Audit A-14-04 Table C6-2 Solids and Soils/Gravel Sampling Checklist [1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				BC0151, and BC0166) **(GEN-9)**		
132	Are procedures in place to ensure that sampling accuracy as a result of equipment blank evaluation is determined through the collection of equipment blanks at a frequency of once per equipment cleaning batch? (Section C3-3)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.
133	Are procedures in place to ensure that the representativeness of samples is demonstrated through the following requirements: • Use of coring tools and sampling equipment that are clean prior to use • The entire depth of the waste minus a documented safety factor shall be cored and the core collected shall have a core length greater than or equal to 50 percent • The core recovery is calculated as the length of the core collected over the depth of the waste in the container • Coring operations and tools should be designed to minimize alteration of the in-place waste characteristics and the minimum waste disturbance shall be verified by visually examining the core and documenting the observation in field logbooks *(Note: if core recovery is less than 50 percent, a second core shall be randomly selected. The core with the best recovery shall be used for sample collection)* (Section C3-3)	N/A	N/A	N/A	N/A	Solids sampling is performed by INL.

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

BDR Number: SSC12-00006	**Sampling Date: Nov 29 – 30, 2012**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) have a BDR Table of Contents? **Reference Source: CCP Technical Procedures**	X			
2. Does the BDR contain the sampling BDR number, BDR date, and facility name? **Reference Source: CCP-PO-001, Table C3-12**	X			
3. Does the BDR contain the identification number(s) and container numbers for the waste packages represented in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			Container Numbers: AMWTP ID SRS ID 10461598 BC0151 10461596 BC0166
4. Are there 20 or less field samples per sampling batch? **Reference Source: CCP-PO-001, C3-10**	X			
5. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-12**			X	None
6. Are the chain-of-custody (COC) forms and appropriate data sheets for each waste package included in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
7. Does the BDR contain the sampling ID numbers and location (physical location within the container)? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Does the waste package BDR contain the sampling date and time? **Reference Source: CCP-PO-001, Table C3-12**	X			
9. Does the waste package BDR contain the sampler's signature? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample matrix and type identified within the sampling BDR? **Reference Source: CCP-PO-001, Table C1-2**	X			
11. Does the BDR identify the sample number and size? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 2/4/13

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC12-00006	Sampling Date: Nov 29 – 30, 2012			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Does the BDR identify the correct Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Is there a minimum of one co-located core/sample (or field duplicate) collected per sample batch or one per week during sampling operation, and is a description of the collected core included in the BDR? **Reference Source: CCP-PO-001, C3-3**	X			
14. Is there a minimum of one equipment blank for coring tools collected per equipment cleaning batch when sampling with compactor/coring unit? **Reference Source: CCP-PO-001, C1-2b**	X			
15. Is there a minimum of one equipment blank for coring tools cleaned when sampling with single coring unit? **Reference Source: CCP-PO-001, C1-2b**	X			
16. Is there a minimum of one equipment blank for liners collected per equipment cleaning batch? **Reference Source: CCP-PO-001, C1-2b**	X			
17. Are samples preserved by keeping them at a temperature of 4°C, $\pm$ 2° C? **Reference Source: CCP-PO-001, Table C1-4**	X			
18. Were proper procedures, including revision number, used and referenced in BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
19. Were samples collected within 14 days, and is a time given between coring and sub-sampling? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Were the samples transferred to the lab within the maximum holding times? **Reference Source: CCP-PO-001, Table C1-4**	X			
21. Are sampling equipment numbers (lot number for disposable equipment) included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC12-00006	Sampling Date: Nov 29 – 30, 2012			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
22. Are field records present in the BDR? Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
23. Is the location (point of origin) where each sample was taken included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
24. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
25. Does the BDR include a record of analysis requested and the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
26. Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
27. Is the depth of waste included for each waste container? **Reference Source: CCP-PO-001, Table C3-12**	X			
28. Are the calculations of core recovery included in the BDR? NA if the sampling is not a core. **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC12-00006				Sampling Date: Nov 29 – 30, 2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
29. Is the co-located core/sample description included in the BDR? **Reference Source: CCP-PO-001 Table C3-12**	X			
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantu			2/4/13
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

RECORD
CMC 12/17/2012

SSC12-00006
BATCH DATA REPORT

Report Date: December 10, 2012

Narrative:

This report provides test results and documentation for the Solid Sampling examination of the following containers using INST-OI-73:

10461598, 10461596.

No Solid Sampling Nonconformance Reports are associated with this Batch Data Report.

Position	Signature	Date
AMWTP Site Project Manager		12/11/12

CCP RECORDS ORIGINAL
DATE REC'D 1/30/13

Table of Contents
SSC12-00006

Contents
Batch Narrative
Table of Contents
Offsite Waste Shipment Report
Batch Report Cover Sheet
Core Sample Analysis Reports
Chain(s) of Custody
Refrigerator Temperature Logsheet (Form-1585) and/or Characterization Round Sheet (Form-1602)
Analytical Balance Calibration Check Sheet (Form-1215)
Solid Waste Sampling Checklist(s) (Form-1599)
Solid Sampling Independent Technical Reviewer Checklist(s) (Form-1421)
Site Project Manager Solid Sampling Checklist(s) (Form-1401)
Batch Data Report Supplemental Comment Form (Form-1491)

SSC12-00006

AMWTP

Advanced Mixed Waste Treatment Project

Offsite Waste Shipment

Date: 30-Oct-2012

Time: 08:01

Shipping No. SRIN12002 **Manifest No.** 001077697GBF

Proposed Shipment Date 20-SEP-12 **Manifest Receipt Date** 23-SEP-12

Repsonsible Project SRS **# of Containers** 5

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
BC0151	10461598	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	Yes	10/01/12
BC0166	10461596	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	No	
SR500174	10461597	425	SR-260	CORE	SR-W027-321M-HOM	09/23/2012	No	
SRSB01270			-				No	
SRSB01271			-				No	

***** End of Offsite Waste Shipment Report *****

660003

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 30-Nov-2012

Time: 17:54

Batch Type Solid Sampling Coring
Batch Report No. SSC12-00006
Batch Id SSC12-00006
Open Date 27-NOV-12 11:26:12
Close Date 30-NOV-12 17:52:36
Batch Status CLOSED
Test Facility Idaho AMWTP
Equipment Id Z-250-801 634-Coring

Container Id	IDC	Analysis Id	Date Examined	QC Type	Analysis Status	Operator
10461598	SR-261	697	28-NOV-12 09:36:00	Original	P	DAVEY SUMNERS
10461598	SR-261	698	28-NOV-12 11:28:00	Replicate / Duplicate	P	DAVEY SUMNERS
10461598	SR-261	699	28-NOV-12 12:28:00	Original	P	DAVEY SUMNERS
10461598	SR-261	700	28-NOV-12 16:02:00	Original	P	DAVEY SUMNERS
10461596	SR-261	701	30-NOV-12 11:21:00	Original	P	DAVEY SUMNERS
10461596	SR-261	702	30-NOV-12 11:56:00	Original	P	DAVEY SUMNERS

SSC12-00006

AMWTP

Advanced Mixed Waste Treatment Project

Batch Report Coversheet

Date: 30-Nov-2012

Time: 17:54

**********Batch Comments**********

Written By	Date	Comment
DSUMNERS	30-NOV-12 17:52:37	Esigned.
DSUMNERS	30-NOV-12 17:52:37	WMF-634, Coring room, WMC S3212

660005

SSC12-000006

AMWTP

Advanced Mixed Waste Treatment Project

Batch Report Coversheet

Date: 30-Nov-2012

Time: 17:54

**********Batch E-Signature History**********

Approval ID	User ID	Signature Date	Comment
2413086	DSUMNERS	30-NOV-2012 17:52:37	

***** End of Batch Report Coversheet Report *****

C00006

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Core Sample

Core Sample ID 697
Core Sample Date 28-NOV-12 09:36:00
Taken By DAVEY SUMNERS
Core Sample Type Initial Core Sample

Core Length 10.50 in.
Core Recovered (%) 95.5
Depth Of Waste 11.0 in.
Core Sector 1
Horizontal Position 27849 mils East

Equipment Procedure ID INST-OI-73 Procedure Revision ID 13

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-001	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description: Core sample appears undisturbed, spongy material at top followed by gray to brown granular material, moist.

Core Sector Comment

Core Sample Comment: Initial sample #1.

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2409849	DSUMNERS	27-NOV-2012 12:59:19	saving data
2410837	DSUMNERS	28-NOV-2012 10:13:19	saving data
2411363	DSUMNERS	28-NOV-2012 16:32:36	saving data
2411754	DSUMNERS	29-NOV-2012 09:38:49	saving data

Sub Sample

Core Sample ID 697
Sub Sample ID 10471886
Sub Sample Date 29-NOV-12 08:47:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Weight 2.61 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Required Distance 4.50 in. Actual Distance 4.50 in.
Distance From Top Comment

Sub Sample Comment
pvoc

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411695	DSUMNERS	29-NOV-2012 08:48:17	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 697 Sub Sample ID 10471907 Weight 2.72 gms
Sub Sample Date 29-NOV-12 08:50:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 5.00 in. Distance From Top Comment

Sub Sample Comment
nhvoc

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411698	DSUMNERS	29-NOV-2012 08:51:33	saving data

Sub Sample

Core Sample ID 697 Sub Sample ID 10471930 Weight 2.73 gms
Sub Sample Date 29-NOV-12 08:54:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 5.50 in. Distance From Top Comment

Sub Sample Comment
spare 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411701	DSUMNERS	29-NOV-2012 08:56:02	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 697 | Sub Sample ID 10471932 | Weight 2.64 gms
Sub Sample Date 29-NOV-12 08:58:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. | Actual Distance 6.00 in. | Distance From Top Comment

Sub Sample Comment
spare 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411704	DSUMNERS	29-NOV-2012 08:59:15	saving data

Sub Sample

Core Sample ID 697 | Sub Sample ID 10471933 | Weight 35.86 gms
Sub Sample Date 29-NOV-12 09:00:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Required Distance in. | Actual Distance 6.50 in. | Distance From Top Comment

Sub Sample Comment
svoc/metals

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411709	DSUMNERS	29-NOV-2012 09:05:31	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 697 | Sub Sample ID 10471953 | Weight 2.85 gms
Sub Sample Date 29-NOV-12 11:50:23 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment: Trip Blank

Sub Sample Comment
trip blank 1 initial #1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411973	DSUMNERS	29-NOV-2012 11:51:49	saving data

Sub Sample

Core Sample ID 697 | Sub Sample ID 10471954 | Weight 2.79 gms
Sub Sample Date 29-NOV-12 11:52:05 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment: Trip Blank

Sub Sample Comment
trip blank 2 initial #1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411974	DSUMNERS	29-NOV-2012 11:53:18	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 697
Sub Sample ID 10471955
Weight 2.80 gms
Sub Sample Date 29-NOV-12 11:53:32
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. Actual Distance 0.00 in.
Distance From Top Comment
Trip Blank

Sub Sample Comment
trip blank 3 initial #1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2411975	DSUMNERS	29-NOV-2012 11:54:43	saving data	
2412062	DSUMNERS	29-NOV-2012 13:43:51	saving data	

C00011

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Core Sample

Core Sample ID 698
Equipment Procedure ID INST-01-73 Procedure Revision ID 13
Core Sample Date 28-NOV-12 11:28:00
Taken By DAVEY SUMNERS
Core Sample Type Co-located/Field Duplicate

Core Length 11.00 in.
Core Recovered (%) 100.0
Depth Of Waste 11.0 in.
Core Sector 1
Horizontal Position 23849 mils East

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-002	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description: Core sample appears undisturbed, spongy material at top followed by gray to brown granular material, moist.

Core Sector Comment:

Core Sample Comment: Waste appears consistent between initial and colocated samples in both color and texture and waste type.

Cancel Date By Reason

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411012	DSUMNERS	28-NOV-2012 11:52:41	saving data
2411756	DSUMNERS	29-NOV-2012 09:39:10	saving data

Sub Sample

Core Sample ID 698
Sub Sample ID 10471934
Sub Sample Date 29-NOV-12 09:45:00
Taken By DAVEY SUMNERS
Weight 2.78 gms
Volume 20 ml.
Sample Requested PVOC
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Required Distance 10.50 in. Actual Distance 10.50 in.
Distance From Top Comment

Sub Sample Comment
pvoc 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411769	DSUMNERS	29-NOV-2012 09:46:31	saving data
2412091	DSUMNERS	29-NOV-2012 14:33:10	saving data

C00012

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 Sub Sample ID 10471935 Weight 2.79 gms
Sub Sample Date 29-NOV-12 09:48:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested PVOC
Required Distance in. Actual Distance 10.00 in. Distance From Top Comment

Sub Sample Comment
pvoc 2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411778	DSUMNERS	29-NOV-2012 09:53:04	saving data

Sub Sample

Core Sample ID 698 Sub Sample ID 10471936 Weight 2.81 gms
Sub Sample Date 29-NOV-12 09:52:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested PVOC
Required Distance in. Actual Distance 9.50 in. Distance From Top Comment

Sub Sample Comment
pvoc 3

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411783	DSUMNERS	29-NOV-2012 09:54:12	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 | Sub Sample ID 10471937 | Weight 2.84 gms
Sub Sample Date 29-NOV-12 09:58:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. | Actual Distance 9.00 in. | Distance From Top Comment

Sub Sample Comment
nhvoc 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411793	DSUMNERS	29-NOV-2012 09:59:02	saving data

Sub Sample

Core Sample ID 698 | Sub Sample ID 10471938 | Weight 2.72 gms
Sub Sample Date 29-NOV-12 10:01:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. | Actual Distance 8.50 in. | Distance From Top Comment

Sub Sample Comment
nhvoc 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411800	DSUMNERS	29-NOV-2012 10:01:59	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 Sub Sample ID 10471939 Weight 2.94 gms
Sub Sample Date 29-NOV-12 10:04:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 8.00 in. Distance From Top Comment

Sub Sample Comment
nhvoc 3

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411807	DSUMNERS	29-NOV-2012 10:04:53	saving data

Sub Sample

Core Sample ID 698 Sub Sample ID 10471940 Weight 2.96 gms
Sub Sample Date 29-NOV-12 10:05:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 7.50 in. Distance From Top Comment

Sub Sample Comment
spare 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411811	DSUMNERS	29-NOV-2012 10:06:25	saving data

660015

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 **Sub Sample ID** 10471941 **Weight** 2.68 gms
Sub Sample Date 29-NOV-12 10:07:00 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested SPARE
Required Distance in. **Actual Distance** 7.00 in. **Distance From Top Comment**

Sub Sample Comment
spare 2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2411814	DSUMNERS	29-NOV-2012 10:08:06	saving data	

Sub Sample

Core Sample ID 698 **Sub Sample ID** 10471942 **Weight** 37.90 gms
Sub Sample Date 29-NOV-12 10:16:00 **Volume** 125 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested SVOC, METALS
Required Distance in. **Actual Distance** 6.50 in. **Distance From Top Comment**

Sub Sample Comment
svoc/metals

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2411840	DSUMNERS	29-NOV-2012 10:17:16	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 Sub Sample ID 10471956 Weight 2.61 gms
Sub Sample Date 29-NOV-12 12:04:19 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. Actual Distance 0.00 in. Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411980	DSUMNERS	29-NOV-2012 12:05:34	saving data

Sub Sample

Core Sample ID 698 Sub Sample ID 10471957 Weight 2.72 gms
Sub Sample Date 29-NOV-12 12:05:58 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. Actual Distance 0.00 in. Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411982	DSUMNERS	29-NOV-2012 12:07:03	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 698 **Sub Sample ID** 10471958 **Weight** 2.60 gms

Sub Sample Date 29-NOV-12 12:07:22 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 3

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2411983	DSUMNERS	29-NOV-2012 12:08.23	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Core Sample

Core Sample ID 699
Equipment Procedure ID INST-OI-73 Procedure Revision ID 13
Core Sample Date 28-NOV-12 12:28:00
Taken By DAVEY SUMNERS
Core Sample Type Initial Core Sample

Core Length 8.00 in.
Core Recovered (%) 72.7
Depth Of Waste 11.0 In.
Core Sector 6
Horizontal Position 27756 mils East

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-003	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description: Core sample appears undisturbed, spongy material at top followed by gray to brown granular material, moist.

Core Sector Comment:

Core Sample Comment: Waste appears consistent between initial#2 and colocated samples in both color and texture and waste type. Initial sample #2

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411053	DSUMNERS	28-NOV-2012 12:29:56	saving data
2411054	DSUMNERS	28-NOV-2012 12:31:15	saving data
2411367	DSUMNERS	28-NOV-2012 16:34:12	saving data
2411853	DSUMNERS	29-NOV-2012 10:24:57	saving data

Sub Sample

Core Sample ID 699
Sub Sample ID 10471943
Weight 2.94 gms
Sub Sample Date 29-NOV-12 10:37:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested PVOC
Required Distance 4.00 in. Actual Distance 4.00 in.
Distance From Top Comment

Sub Sample Comment
pvoc initial #2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411867	DSUMNERS	29-NOV-2012 10:38:01	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 699 Sub Sample ID 10471944 Weight 2.75 gms
Sub Sample Date 29-NOV-12 10:39:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 4.50 in. Distance From Top Comment

Sub Sample Comment
nhvoc initial #2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 Ml. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411875	DSUMNERS	29-NOV-2012 10:40:23 saving data	

Sub Sample

Core Sample ID 699 Sub Sample ID 10471945 Weight 2.59 gms
Sub Sample Date 29-NOV-12 10:42:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 5.00 in. Distance From Top Comment

Sub Sample Comment
spare 1 initial #2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411877	DSUMNERS	29-NOV-2012 10:43:15 saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 699 **Sub Sample ID** 10471946 **Weight** 2.95 gms
Sub Sample Date 29-NOV-12 10:46:00 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested SPARE
Required Distance in. **Actual Distance** 5.50 in. **Distance From Top Comment**

Sub Sample Comment
spare 2 initial# 2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2411888	DSUMNERS	29-NOV-2012 10:47:15	saving data	

Sub Sample

Core Sample ID 699 **Sub Sample ID** 10471947 **Weight** 35.05 gms
Sub Sample Date 29-NOV-12 10:51:00 **Volume** 125 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested SVOC, METALS
Required Distance in. **Actual Distance** 6.00 in. **Distance From Top Comment**

Sub Sample Comment
svoc/metals initial #2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2411900	DSUMNERS	29-NOV-2012 10:52:07	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 699 **Sub Sample ID** 10471959 **Weight** 2.77 gms
Sub Sample Date 29-NOV-12 12:16:14 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested TRIP BLANK
Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 1 initial #2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411992	DSUMNERS	29-NOV-2012 12:17:36	saving data

Sub Sample

Core Sample ID 699 **Sub Sample ID** 10471960 **Weight** 2.71 gms
Sub Sample Date 29-NOV-12 12:17:49 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested TRIP BLANK
Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 2 initial #2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411994	DSUMNERS	29-NOV-2012 12:19:12	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:56

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 699 **Sub Sample ID** 10471961 **Weight** 2.95 gms

Sub Sample Date 29-NOV-12 12:19:31 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 3 initial #2

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2411997	DSUMNERS	29-NOV-2012 12:20:44	saving data	
2412099	DSUMNERS	29-NOV-2012 14:38:34	saving data	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Core Sample

Core Sample ID 700
Core Sample Date 28-NOV-12 16:02:00
Taken By DAVEY SUMNERS
Core Sample Type Initial Core Sample
Core Length 11.00 in.
Core Recovered (%) 100.0
Depth Of Waste 11.0 in.
Core Sector 5
Horizontal Position 27511 mils East

Equipment Procedure ID INST-OI-73 **Procedure Revision ID** 13

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-004	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description Core sample appears undisturbed, spongy material at top followed by gray to brown granular material, moist.

Core Sector Comment

Core Sample Comment Waste appears consistent between initial#3 and colocated samples in both color and texture and waste type. Initial sample #3

Cancel Date **By** **Reason**

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411063	DSUMNERS	28-NOV-2012 12:52:11	saving data
2411315	DSUMNERS	28-NOV-2012 16:05:13	saving data
2411317	DSUMNERS	28-NOV-2012 16:05:54	saving data
2411374	DSUMNERS	28-NOV-2012 16:35:38	saving data
2411910	DSUMNERS	29-NOV-2012 10:57:02	saving data

Sub Sample

Core Sample ID 700
Sub Sample ID 10471948
Weight 2.91 gms
Sub Sample Date 29-NOV-12 11:06:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested PVOC
Required Distance 5.00 in. **Actual Distance** 5.00 in.
Distance From Top Comment

Sub Sample Comment
pvoc initial #3

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2411915	DSUMNERS	29-NOV-2012 11:07:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	SJ212	425

Sub Sample

Core Sample ID 700 | Sub Sample ID 10471949 | Weight 2.85 gms
Sub Sample Date 29-NOV-12 11:09:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. | Actual Distance 5.50 in. | Distance From Top Comment

Sub Sample Comment
nhvoc initial #3

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411918	DSUMNERS	29-NOV-2012 11:09.40	saving data

Sub Sample

Core Sample ID 700 | Sub Sample ID 10471950 | Weight 2.62 gms
Sub Sample Date 29-NOV-12 11:11:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. | Actual Distance 6.00 in. | Distance From Top Comment

Sub Sample Comment
spare 1 initial #3

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411922	DSUMNERS	29-NOV-2012 11:11:56	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 700 Sub Sample ID 10471951 Weight 2.75 gms
Sub Sample Date 29-NOV-12 11:13:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 6.50 in. Distance From Top Comment

Sub Sample Comment
spare 2 initial #3

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411924	DSUMNERS	29-NOV-2012 11:14:17	saving data

Sub Sample

Core Sample ID 700 Sub Sample ID 10471952 Weight 37.08 gms
Sub Sample Date 29-NOV-12 11:18:00 Volume 125 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Required Distance in. Actual Distance 7.00 in. Distance From Top Comment

Sub Sample Comment
svoc/metals initial #3

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2411933	DSUMNERS	29-NOV-2012 11:19:22	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 700 | Sub Sample ID 10471962 | Weight 2.67 gms
Sub Sample Date 29-NOV-12 12:27:58 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment: Trip Blank

Sub Sample Comment
trip blank 1 initial #3

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 Ml. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412006	DSUMNERS	29-NOV-2012 12:29:07	saving data

Sub Sample

Core Sample ID 700 | Sub Sample ID 10471963 | Weight 2.89 gms
Sub Sample Date 29-NOV-12 12:29:18 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment: Trip Blank

Sub Sample Comment
trip blank 2 initial #3

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412007	DSUMNERS	29-NOV-2012 12:30:30	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461598	SR-261	S3212	425

Sub Sample

Core Sample ID 700 **Sub Sample ID** 10471964 **Weight** 2.88 gms

Sub Sample Date 29-NOV-12 12:30:48 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Required Distance In. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 3 initial #3

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412009	DSUMNERS	29-NOV-2012 12:32:15	saving data
2412121	DSUMNERS	29-NOV-2012 14:51:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:57

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Core Sample

Core Sample ID 701
Equipment Procedure ID INST-OI-73 Procedure Revision ID 13
Core Sample Date 30-NOV-12 11:21:00
Taken By DAVEY SUMNERS
Core Sample Type Initial Core Sample

Core Length 13.50 in.
Core Recovered (%) 60.0
Depth Of Waste 22.5 in.
Core Sector 3
Horizontal Position 26720 mils East

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-005	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description: Core sample appears undisturbed, light brown to orange granular material on top, changing to silicon type texture light to dark gray in color thru rest of waste.

Core Sector Comment

Core Sample Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412876	DSUMNERS	30-NOV-2012 10:47:51	saving data
2412890	DSUMNERS	30-NOV-2012 11:31:18	saving data

Sub Sample

Core Sample ID 701
Sub Sample ID 10472096
Weight 2.76 gms
Sub Sample Date 30-NOV-12 13:24:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested PVOC
Required Distance 1.50 in. Actual Distance 1.50 in.
Distance From Top Comment

Sub Sample Comment
pvoc initial #4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412922	DSUMNERS	30-NOV-2012 13:25:19	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 701 Sub Sample ID 10472111 Weight 2.78 gms
Sub Sample Date 30-NOV-12 13:26:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 2.00 In. Distance From Top Comment

Sub Sample Comment
nhvoc initial #4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412924	DSUMNERS	30-NOV-2012 13:27:34	saving data

Sub Sample

Core Sample ID 701 Sub Sample ID 10472112 Weight 2.75 gms
Sub Sample Date 30-NOV-12 13:30:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 2.50 in. Distance From Top Comment

Sub Sample Comment
spare 1 initial#4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412926	DSUMNERS	30-NOV-2012 13:30:53	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 701 | Sub Sample ID 10472113 | Weight 2.66 gms
Sub Sample Date 30-NOV-12 13:34:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. | Actual Distance 3.00 in. | Distance From Top Comment

Sub Sample Comment
spare2 initial#4

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412928	DSUMNERS	30-NOV-2012 13:34:57	saving data

Sub Sample

Core Sample ID 701 | Sub Sample ID 10472114 | Weight 36.80 gms
Sub Sample Date 30-NOV-12 13:40:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Required Distance In. | Actual Distance 3.50 in. | Distance From Top Comment

Sub Sample Comment
svoc/metals initial#4

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412931	DSUMNERS	30-NOV-2012 13:41:20	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 701 Sub Sample ID 10472120 Weight 2.84 gms
Sub Sample Date 30-NOV-12 14:56:10 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. Actual Distance 0.00 in. Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 1 initial #4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412962	DSUMNERS	30-NOV-2012 14:57:30	saving data

Sub Sample

Core Sample ID 701 Sub Sample ID 10472121 Weight 2.70 gms
Sub Sample Date 30-NOV-12 14:57:44 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. Actual Distance 0.00 in. Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 2 initial#4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412963	DSUMNERS	30-NOV-2012 14:58:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 701 **Sub Sample ID** 10472122 **Weight** 2.83 gms

Sub Sample Date 30-NOV-12 14:59:24 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment** Trip Blank

Sub Sample Comment
trip blank 3 initial #4

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2412964	DSUMNERS	30-NOV-2012 15:00:48	saving data	
2412971	DSUMNERS	30-NOV-2012 15:33:36	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Core Sample

Core Sample ID 702
Equipment Procedure ID INST-OI-73 **Procedure Revision ID** 13
Core Sample Date 30-NOV-12 11:56:00
Taken By DAVEY SUMNERS
Core Sample Type Initial Core Sample
Core Length 12.00 in.
Core Recovered (%) 53.3
Depth Of Waste 22.5 in.
Core Sector 2
Horizontal Position 27079 mils East

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
061305-02-006	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description Core sample appears undisturbed, light brown to orange granular material on top, changing to silicon type texture light to dark gray in color thru rest of waste.

Core Sector Comment

Core Sample Comment Second initial sample appears to be consistent with first in texture, color and waste type.

Cancel Date **By** **Reason**

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412897	DSUMNERS	30-NOV-2012 11:59:36	saving data

Sub Sample

Core Sample ID 702
Sub Sample ID 10472115
Sub Sample Date 30-NOV-12 14:03:00
Taken By DAVEY SUMNERS
Sample Requested PVOC
Required Distance 1.50 in. **Actual Distance** 1.50 in.
Weight 2.76 gms
Volume 20 ml.
Custody Seal Attached Y **Preserved to 4 Degrees C** Y
Distance From Top Comment

Sub Sample Comment
pvoc initial#5

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412950	DSUMNERS	30-NOV-2012 14:06:27	saving data
2412978	DSUMNERS	30-NOV-2012 15:53:54	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 702 Sub Sample ID 10472116 Weight 2.79 gms
Sub Sample Date 30-NOV-12 14:05:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 2.00 in. Distance From Top Comment

Sub Sample Comment
nhvoc initial#5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412951	DSUMNERS	30-NOV-2012 14:07:44	saving data

Sub Sample

Core Sample ID 702 Sub Sample ID 10472117 Weight 2.94 gms
Sub Sample Date 30-NOV-12 14:08:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 2.50 in. Distance From Top Comment

Sub Sample Comment
spare1 initial#5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412952	DSUMNERS	30-NOV-2012 14:09:44	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 702 Sub Sample ID 10472118 Weight 2.65 gms
Sub Sample Date 30-NOV-12 14:11:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 3.00 in. Distance From Top Comment

Sub Sample Comment
spare 2 initial#5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412953	DSUMNERS	30-NOV-2012 14:12:31	saving data

Sub Sample

Core Sample ID 702 Sub Sample ID 10472119 Weight 39.60 gms
Sub Sample Date 30-NOV-12 14:16:00 Volume 125 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Required Distance in. Actual Distance 3.50 in. Distance From Top Comment

Sub Sample Comment
svoc/metals initial#5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2412955	DSUMNERS	30-NOV-2012 14:16:59	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:58

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 702 | Sub Sample ID 10472123 | Weight 2.65 gms | Volume 20 ml.
Sub Sample Date 30-NOV-12 15:09:31
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 1 initial #5

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412967	DSUMNERS	30-NOV-2012 15:10:50	saving data

Sub Sample

Core Sample ID 702 | Sub Sample ID 10472124 | Weight 2.66 gms | Volume 20 ml.
Sub Sample Date 30-NOV-12 15:11:02
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in. | Actual Distance 0.00 in. | Distance From Top Comment Trip Blank

Sub Sample Comment
trip blank 2 initial#5

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2412968	DSUMNERS	30-NOV-2012 15:12:17	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 30-Nov-2012
Time: 17:59

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC12-00006	10461596	SR-261	S3212	425

Sub Sample

Core Sample ID 702
Sub Sample ID 10472125
Weight 2.71 gms
Sub Sample Date 30-NOV-12 15:12:35
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Required Distance in.
Actual Distance 0.00 in.
Distance From Top Comment
Trip Blank

Sub Sample Comment
trip blank 3 initial #5

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2412969	DSUMNERS	30-NOV-2012 15:13:41	saving data	

******End of Core Analysis Report******

ALD LOG # 121203

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 09:48
COC No.: 0000582
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461598	SR-261	10471886	29-Nov-2012	08:47	20 / ml	2.61 / gms	PVOC	Davey Sumners	pvoc	
SSC12-00006	10461598	SR-261	10471907	29-Nov-2012	08:50	20 / ml	2.72 / gms	NHVOC	Davey Sumners	nhvoc	
SSC12-00006	10461598	SR-261	10471930	29-Nov-2012	08:54	20 / ml	2.73 / gms	SPARE	Davey Sumners	spare 1	
SSC12-00006	10461598	SR-261	10471932	29-Nov-2012	08:58	20 / ml	2.64 / gms	SPARE	Davey Sumners	spare 2	
SSC12-00006	10461598	SR-261	10471933	29-Nov-2012	09:00	125 / ml	35.86 / gms	SVOC, METALS	Davey Sumners	svoc/metals	
SSC12-00006	10461598	SR-261	10471953	29-Nov-2012	11:50	20 / ml	2.85 / gms	TRIP BLANK	Davey Sumners	trip blank 1 initial #1	
SSC12-00006	10461598	SR-261	10471954	29-Nov-2012	11:52	20 / ml	2.79 / gms	TRIP BLANK	Davey Sumners	trip blank 2 initial #1	
SSC12-00006	10461598	SR-261	10471955	29-Nov-2012	11:53	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	trip blank 3 initial #1	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		0951 12/03/12	
Received By	Rand Watson		0951 12-3-12	
Relinquished By	Rand Watson		0953 12-3-12	on site transfer Drum #1
Received By	Bill Strong		1000 12-03-12	TO #58222 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

600039

ALD LOG # 121231

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 09:53
COC No.: 0000583
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461598	SR-261	10471934	29-Nov-2012	09:45	20 / ml	2.78 / gms	PVOC	Davey Sumners	pvoc 1	
SSC12-00006	10461598	SR-261	10471935	29-Nov-2012	09:48	20 / ml	2.79 / gms	PVOC	Davey Sumners	pvoc 2	
SSC12-00006	10461598	SR-261	10471936	29-Nov-2012	09:52	20 / ml	2.81 / gms	PVOC	Davey Sumners	pvoc 3	
SSC12-00006	10461598	SR-261	10471937	29-Nov-2012	09:58	20 / ml	2.84 / gms	NHVOC	Davey Sumners	nhvoc 1	
SSC12-00006	10461598	SR-261	10471938	29-Nov-2012	10:01	20 / ml	2.72 / gms	NHVOC	Davey Sumners	nhvoc 2	
SSC12-00006	10461598	SR-261	10471939	29-Nov-2012	10:04	20 / ml	2.94 / gms	NHVOC	Davey Sumners	nhvoc 3	
SSC12-00006	10461598	SR-261	10471940	29-Nov-2012	10:05	20 / ml	2.96 / gms	SPARE	Davey Sumners	spare 1	
SSC12-00006	10461598	SR-261	10471941	29-Nov-2012	10:07	20 / ml	2.68 / gms	SPARE	Davey Sumners	spare 2	
SSC12-00006	10461598	SR-261	10471942	29-Nov-2012	10:16	125 / ml	37.90 / gms	SVOC, METALS	Davey Sumners	svoc/metals	
SSC12-00006	10461598	SR-261	10471956	29-Nov-2012	12:04	20 / ml	2.61 / gms	TRIP BLANK	Davey Sumners	trip blank 1	
SSC12-00006	10461598	SR-261	10471957	29-Nov-2012	12:05	20 / ml	2.72 / gms	TRIP BLANK	Davey Sumners	trip blank 2	
SSC12-00006	10461598	SR-261	10471958	29-Nov-2012	12:07	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		0959 12/03/12	
Received By	Rand Watson	Rand Watson	0959 12-3-12	
Relinquished By	Rand Watson	Rand Watson	1000 12-3-12	on site transfer Drum #2
Received By	Bill Strong		1000 12-03-12	TO # 585214 Rand Watson 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

C00040

ALD LOG # 1212031

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 10:00
COC No.: 0000584
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461598	SR-261	10471943	29-Nov-2012	10:37	20 / ml	2.94 / gms	PVOC	Davey Sumners	pvoc initial #2	
SSC12-00006	10461598	SR-261	10471944	29-Nov-2012	10:39	20 / ml	2.75 / gms	NHVOC	Davey Sumners	nhvoc initial #2	
SSC12-00006	10461598	SR-261	10471945	29-Nov-2012	10:42	20 / ml	2.59 / gms	SPARE	Davey Sumners	spare 1 initial #2	
SSC12-00006	10461598	SR-261	10471946	29-Nov-2012	10:46	20 / ml	2.95 / gms	SPARE	Davey Sumners	spare 2 initial# 2	
SSC12-00006	10461598	SR-261	10471947	29-Nov-2012	10:51	125 / ml	35.05 / gms	SVOC, METALS	Davey Sumners	svoc/metals initial #2	
SSC12-00006	10461598	SR-261	10471959	29-Nov-2012	12:16	20 / ml	2.77 / gms	TRIP BLANK	Davey Sumners	trip blank 1 initial #2	
SSC12-00006	10461598	SR-261	10471960	29-Nov-2012	12:17	20 / ml	2.71 / gms	TRIP BLANK	Davey Sumners	trip blank 2 initial #2	
SSC12-00006	10461598	SR-261	10471961	29-Nov-2012	12:19	20 / ml	2.95 / gms	TRIP BLANK	Davey Sumners	trip blank 3 initial #2	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		1005 12/03/12	
Received By	Randy Watson		1005 12-3-12	
Relinquished By	Randy Watson		1006 12-3-12	on site transfer Drums
Received By	Bill Strong		1100 12-03-12	TID# 585297 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

000041

ALD LOG #
1212031

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 10:07
COC No.: 0000585
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461598	SR-261	10471948	29-Nov-2012	11:06	20 / ml	2.91 / gms	PVOC	Davey Sumners	pvoc initial #3	
SSC12-00006	10461598	SR-261	10471949	29-Nov-2012	11:09	20 / ml	2.85 / gms	NHVOC	Davey Sumners	nhvoc initial #3	
SSC12-00006	10461598	SR-261	10471950	29-Nov-2012	11:11	20 / ml	2.62 / gms	SPARE	Davey Sumners	spare 1 initial #3	
SSC12-00006	10461598	SR-261	10471951	29-Nov-2012	11:13	20 / ml	2.75 / gms	SPARE	Davey Sumners	spare 2 initial #3	
SSC12-00006	10461598	SR-261	10471952	29-Nov-2012	11:18	125 / ml	37.08 / gms	SVOC, METALS	Davey Sumners	svoc/metals initial #3	
SSC12-00006	10461598	SR-261	10471962	29-Nov-2012	12:27	20 / ml	2.67 / gms	TRIP BLANK	Davey Sumners	trip blank 1 initial #3	
SSC12-00006	10461598	SR-261	10471963	29-Nov-2012	12:29	20 / ml	2.89 / gms	TRIP BLANK	Davey Sumners	trip blank 2 initial #3	
SSC12-00006	10461598	SR-261	10471964	29-Nov-2012	12:30	20 / ml	2.88 / gms	TRIP BLANK	Davey Sumners	trip blank 3 initial #3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		1010 12/03/12	
Received By	Randy Watson	Randy Watson	1010 12-3-12	
Relinquished By	Randy Watson	Randy Watson	1011 12-3-12	On site transfer Drying #4
Received By	Bill Strong	Bill Strong	1100 12-03-12	TLD # 585265 Randy Watson 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

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ALD LOG #
1212031

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 10:11
COC No.: 0000586
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461596	SR-261	10472096	30-Nov-2012	13:24	20 / ml	2.76 / gms	PVOC	Davey Sumners	pvoc initial #4	
SSC12-00006	10461596	SR-261	10472111	30-Nov-2012	13:26	20 / ml	2.78 / gms	NHVOC	Davey Sumners	nhvoc initial #4	
SSC12-00006	10461596	SR-261	10472112	30-Nov-2012	13:30	20 / ml	2.75 / gms	SPARE	Davey Sumners	spare 1 initial#4	
SSC12-00006	10461596	SR-261	10472113	30-Nov-2012	13:34	20 / ml	2.66 / gms	SPARE	Davey Sumners	spare2 initial#4	
SSC12-00006	10461596	SR-261	10472114	30-Nov-2012	13:40	125 / ml	36.80 / gms	SVOC, METALS	Davey Sumners	svoc/metals initial#4	
SSC12-00006	10461596	SR-261	10472120	30-Nov-2012	14:56	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	trip blank 1 initial #4	
SSC12-00006	10461596	SR-261	10472121	30-Nov-2012	14:57	20 / ml	2.70 / gms	TRIP BLANK	Davey Sumners	trip blank 2 initial#4	
SSC12-00006	10461596	SR-261	10472122	30-Nov-2012	14:59	20 / ml	2.83 / gms	TRIP BLANK	Davey Sumners	trip blank 3 initial #4	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		1015 12/03/12	
Received By	Ray Watson		1015 12-3-12	
Relinquished By	Ray Watson		1016 12-3-12	on site transfer Drum #5
Received By	Bill Strong		1100 12-03-12	TID # 585280 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG #
12 12 031

AMWTP

Chain Of Custody

Print Date: 03-Dec-2012
Print Time: 10:16
COC No.: 0000587
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC12-00006	10461596	SR-261	10472115	30-Nov-2012	14:03	20 / ml	2.76 / gms	PVOC	Davey Sumners	pvoc initial#5	
SSC12-00006	10461596	SR-261	10472116	30-Nov-2012	14:05	20 / ml	2.79 / gms	NHVOC	Davey Sumners	nhvoc initial#5	
SSC12-00006	10461596	SR-261	10472117	30-Nov-2012	14:08	20 / ml	2.94 / gms	SPARE	Davey Sumners	spare1 initial#5	
SSC12-00006	10461596	SR-261	10472118	30-Nov-2012	14:11	20 / ml	2.65 / gms	SPARE	Davey Sumners	spare 2 initial#5	
SSC12-00006	10461596	SR-261	10472119	30-Nov-2012	14:16	125 / ml	39.60 / gms	SVOC, METALS	Davey Sumners	svoc/metals initial#5	
SSC12-00006	10461596	SR-261	10472123	30-Nov-2012	15:09	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	trip blank 1 initial #5	
SSC12-00006	10461596	SR-261	10472124	30-Nov-2012	15:11	20 / ml	2.66 / gms	TRIP BLANK	Davey Sumners	trip blank 2 initial#5	
SSC12-00006	10461596	SR-261	10472125	30-Nov-2012	15:12	20 / ml	2.71 / gms	TRIP BLANK	Davey Sumners	trip blank 3 initial #5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		1019 12/03/12	
Received By	Land Water		1019 12-3-12	
Relinquished By	Land Water		1020 12-3-12	On site transfer Drum #6
Received By	Bill Strong		1100 12-03-12	TIO # 585269 Land Water 12-3-12
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP Advanced Mixed Waste Treatment Project

Characterization Round Sheet

Form-1602, Rev. 6
Effective: 06/04/09

Implementing Document: MP-COPS-9.3

Date of Shift Week: 11/26/12 **to** 12/02/12

SS-C-12-00206

Time	Equipment Check/Data Point		Normal Condition	Off-Spec Condition	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
0800	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	4.4	4.3°C	3.7°C	4.0°C	4.0°C	4.0	3.9°C
		High Temp	2°C to 6°C	<2°C or >6°C	4.5	4.4°C	3.8°C	4.0°C	4.3°C	4.1	4.2°C
		Low Temp	2°C to 6°C	<2°C or >6°C	4.0	4.0°C	3.5°C	3.6°C	3.7°C	3.6	3.9°C
		Refrigerator	Locked	Unlocked	Locked	Locked	Locked	Locked	Locked	Locked	Locked
	Blow down the air receiver for the WMF-634 air compressor per INST-OI-27, Characterization Facility Main Building Air System Operations. (if completed √)				✓	✓	✓	✓	✓	✓	✓
	DVS nitrogen gas bottle pressure		>300 psi	<300 psi	600	550#	525#	525#	525#	500	500#
	HGAS nitrogen gas bottle pressure		>300 psi	<300 psi	1800	1800#	1800#	1750#	1750#	1725	1725#
	HGAS helium gas bottle pressure		>300 psi	<300 psi	1000	1000#	1000#	1000#	1000#	1000	1000#
	WMF-634 inside temperature (Use WTS to verify.)		>65°F	<65°F	77°	75°F	76°F	76°F	76°F	76°	76°
				Operator Initial	MB	✓	✓	✓	✓	[illegible]	[illegible]
				SS Review Initial	SM	[illegible]	[illegible]	[illegible]	[illegible]	AB	AB
2000	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	(1)	3.6°C	3.6°C	3.7°C	3.7°C	(1)	(1)
		High Temp	2°C to 6°C	<2°C or >6°C	(1)	4.5°C	3.9°C	4.1°C	4.0°C	(1)	(1)
		Low Temp	2°C to 6°C	<2°C or >6°C	(1)	3.6°C	3.5°C	3.7°C	3.5°C	(1)	(1)
		Refrigerator	Locked	Unlocked	(1)	Locked	Locked	Locked	Locked	(1)	(1)
				Operator Initial	N/A	✓	✓	✓	✓	N/A	N/A
				SS Review Initial	SM	[illegible]	[illegible]	[illegible]	[illegible]	AB	AB

1. Temperature readings are recorded once every shift in accordance with procedure. However, if extenuating circumstances prevent documentation every shift, then the temperature readings must be taken at a minimum of once a day to ensure sample integrity is maintained and the requirement of SW-846 is met.
2. Recording refrigerator temperature is only required while samples are in the refrigerator and data from Form-1602 can be transferred to Form-1585 by a qualified coring operator.

6000345

AMWTP Advanced Mixed Waste Treatment Project

Characterization Round Sheet

Form-1602, Rev. 6
Effective: 06/04/09

Implementing Document: MP-COPS-9.3

Date of Shift Week: 12/03/12 **to** 12/09/12

SS-C12-000006

Time	Equipment Check/Data Point		Normal Condition	Off-Spec Condition	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
0800	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	4.1°C	4.1°C	4.0				
		High Temp	2°C to 6°C	<2°C or >6°C	4.3°C	4.6°C	4.8				
		Low Temp	2°C to 6°C	<2°C or >6°C	3.9°C	3.9°C	3.9				
		Refrigerator	Locked	Unlocked	Locked	Locked	Locked				
	Blow down the air receiver for the WMF-634 air compressor per INST-OI-27, Characterization Facility Main Building Air System Operations. (if completed √)				✓	✓	✓				
	DVS nitrogen gas bottle pressure		>300 psi	<300 psi	500#	500 PSI	525#				
	HGAS nitrogen gas bottle pressure		>300 psi	<300 psi	1725#	1725 PSI	1650#				
	HGAS helium gas bottle pressure		>300 psi	<300 psi	1000#	1000 PSI	1000#				
	WMF-634 inside temperature (Use WTS to verify.)		>65°F	<65°F	78°F	76°F	76°F				
	Operator Initial				ZK		U				
	SS Review Initial				AB	AB	AB				
2000	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	(T)	(T)					
		High Temp	2°C to 6°C	<2°C or >6°C	(T)	(T)					
		Low Temp	2°C to 6°C	<2°C or >6°C	(T)	(T)					
		Refrigerator	Locked	Unlocked	(T)	(T)					
	Operator Initial				N/A	N/A					
	SS Review Initial				AB	AB					

C30046

1. Temperature readings are recorded once every shift in accordance with procedure. However, if extenuating circumstances prevent documentation every shift, then the temperature readings must be taken at a minimum of once a day to ensure sample integrity is maintained and the requirement of SW-846 is met.
2. Recording refrigerator temperature is only required while samples are in the refrigerator and data from Form-1602 can be transferred to Form-1585 by a qualified coring operator.

AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/30/12

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/08/12	0908	MTE-652	30.00 +/- .01g	30.00 g	Pass	
10/08/12	0909	MTE-651	50.00 +/- .01g	50.00 g	Pass	
10/08/12	0911	MTE-652 & 651	80.00 +/- .01g	80.00 g	Pass	
10/09/12	0952	MTE-652	30.00 +/- .01g	30.00 g	PASS	
10/09/12	0953	MTE-651	50.00 +/- .01g	50.00 g	PASS	
10/09/12	0954	MTE-652 & 651	80.00 +/- .01g	80.00 g	PASS	
11/02/12	0732	MTE-652	30.00 +/- .01g	30.00 g	PASS	
11/02/12	0733	MTE-651	50.00 +/- .01g	50.00 g	PASS	
11/02/12	0734	MTE-651 & 652	80.00 +/- .01g	80.00 g	PASS	
11/03/12	1000	MTE-652	30.00 +/- .01g	30.00 g	PASS	
11/03/12	1000	MTE-650	50.00 +/- .01g	50.00 g	PASS	
11/03/12	1000	MTE-650 & 652	80.00 +/- .01g	80.00 g	PASS	
11/04/12	0735	MTE-652	30.00 +/- .01G	30.00 G	PASS	
11/04/12	0734	MTE-650	50.00 +/- .01G	50.00 G	PASS	
11/04/12	0739	MTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/05/12	0807	MTE-652	30.00 +/- .01G	30.00 G	PASS	
11/05/12	0808	MTE-650	50.00 +/- .01G	50.00 G	PASS	
11/05/12	0809	MTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/27/12	0829	MTE-652	30.00 +/- .01G	30.00 G	PASS	
11/27/12	0830	MTE-650	50.00 +/- .01G	50.00 G	PASS	
11/27/12	0831	MTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
~~11/28/12~~	~~0848~~	~~MTE-652~~	~~30.00 +/- .01G~~	30.00 G	PASS	PS 11/28/12
~~11/28/12~~	~~0849~~	~~MTE-650~~	~~50.00 +/- .01G~~	50.00 G	PASS	PS 11/28/12
~~11/28/12~~	~~0850~~	~~MTE-650 & 652~~	~~80.00 +/- .01G~~	80.00 G	PASS	PS 11/28/12

SSC12-000006

600047

AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Fo...r-1215
Rev. 4
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** ~~10-30-12~~ 10-27-13 PS 11/28/12

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
11/28/12	0748	mTE-652	30.00 +/- .01G	30.00 G	PASS	
11/28/12	0749	mTE-650	50.00 +/- .01G	50.00 G	PASS	
11/28/12	0750	mTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/27/12	0744	mTE-652	30.00 +/- .01G	30.00 G	PASS	
11/27/12	0745	mTE-650	50.00 +/- .01G	50.00 G	PASS	
11/27/12	0746	mTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/30/12	0733	mTE-652	30.00 +/- .01G	30.00 G	PASS	
11/30/12	0744	mTE-650	50.00 +/- .01G	50.00 G	PASS	
11/30/12	0745	mTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	

SC12-000006

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AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: Y-250-002 **Scale Calibration Expiration Date:** 08/31/2013

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/07/12	0933	MTE-649	50.00 +/- .01g	50.01 g.	Pass	
10/07/12	0934	MTE-653	150.00 +/- .01g	150.00 g	Pass	
10/07/12	0935	MTE-648	400.00 +/- .01g	400.00 g	Pass	
10/08/12	0901	mTE-649	50.00 +/- .01g	50.00	Pass	
10/08/12	0902	mTE-653	150.00 +/- .01g	150.00	Pass	
10/09/12	0903	mTE-648	400.00 +/- .01g	400.00	Pass	
10/09/12	0845	mTE-649	50.00 +/- .01g	50.00	Pass	
10/09/12	0849	mTE-653	150.00 +/- .01g	150.00	Pass	
10/09/12	0850	mTE-648	400.00 +/- .01g	400.00	Pass	
11/2/12	0731	mTE-649	50.00 +/- .01g	50.00	Pass	
11/02/12	0738	mTE-653	150.00 +/- .01g	150.00	Pass	
11/02/12	0739	mTE-648	400.00 +/- .01g	400.00	Pass	
11/03/12	1043	mTE-648	400.00 +/- .016	400.00	PASS	
11/03/12	1044	mTE-649	50.00 +/- .016	50.00	PASS	
11/03/12	1045	mTE-653	150.00 +/- .016	150.00	PASS	
11/04/12	0706	mTE-648	400.00 +/- .016	400.00	PASS	
11/04/12	0707	mTE-649	50.00 +/- .016	50.00	PASS	
11/04/12	0708	mTE-653	150.00 +/- .016	150.00	PASS	
11/05/12	0818	MTE-649	50.00 +/- .016	50.00	PASS	
11/05/12	0819	mTE-653	150.00 +/- .016	150.00	PASS	
11/05/12	0820	mTE-648	400.00 +/- .016	400.00	PASS	
11/27/12	0737	mTE-649	50.00 +/- .016	50.00	PASS	
11/27/12	0738	mTE-653	150.00 +/- .016	150.00	PASS	
11/27/12	0739	mTE-648	400.00 +/- .016	400.00	PASS	

SSC12-000061

600049

AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-003 **Scale Calibration Expiration Date:** 08/31/2013

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
11/28/12	0730	mTE-645	50.00 +/- .01G	50.00 G	PASS	
11/28/12	0731	mTE-653	150.00 +/- .01G	150.00 G	PASS	
11/28/12	0732	mTE-648	400.00 +/- .01G	400.00 G	PASS	
11/29/12	0728	mTE-649	50.00 +/- .01G	50.00 G	PASS	
11/29/12	0729	mTE-653	150.00 +/- .01G	150.00 G	PASS	
11/29/12	0730	mTE-~~653~~ 648 PS 12/04/12	400.00 +/- .01G	400.00 G	PASS	CHANGED to REFLECT THE CORRECT ID #
11/30/12	0716	mTE-649	50.00 +/- .01G	50.00 G	PASS	
~~11/30/12~~		~~mTE-653~~	~~400.00 +/- .01G~~			PS 12/04/12
11/30/12	0717	mTE-~~649~~ 648 PS 12/04/12	400.00 +/- .01G	400.00 G	PASS	CHANGED TO REFLECT THE CORRECT ID. #
11/30/12	0718	mTE-653	150.00 +/- .01G	150.00 G	PASS	

SSC12-000006

6.0050

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Batch Number: SSC12-00006

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Sample Type: Initial #1 ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/29/12 11/28/12 11/27/12	0750 0800 0851	D Summons D Summons D Summons	Reverified glovebox cleaned and inspected NO ISSUES Noted.
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/29/12 11/28/12 11/27/12	0742 0725 0817	D Summons D Summons D Summons	CHECKS SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/29/12 11/28/12 11/27/12	0746 0750 0831	D Summons D Summons D Summons	CHECKS SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/29/12 11/28/12 11/27/12	0750 0800 0851	D Summons D Summons D Summons	Reverified tools and equipment inspected SAT NO ISSUES NOTED.
4b. Document any deficiencies in the comments section.						D Summons	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/28/12	1015	D Summons	WTS screen updated for Removal.
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/29/12	1228	D Summons	WTS screen updated for INSTALL.

600051

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #1 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/27/12	0900	D Summers	Manual coring being performed Core Barrel NOT USED for Sample.
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/28/12 11/28/12	0750 0930	D Summers D Summers	tools verified clean and packaging intact. NO Deficiencies noted. Reverified.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/28/12 11/28/12	0750 0930	D Summers D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/28/12 11/28/12	0750 0930	D Summers D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/28/12 11/28/12	0750 0930	D Summers D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers D Summers	

603052

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #1 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.** 8b. Log the results in the comments section. **N/A for Grab sampling.**	☒	☐	☐	11/28/12	0901	D Summers	**Formula for a 55-gallon Drum:** 22.5" 11/28/12 Distance from top of drum to waste ~~13.5~~ in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 11 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/28/12	0936	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/26/12	0940	D Summers	Verified closed & capped within time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/28/12	0952	D Summers	Verified not disturbed
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/28/12	0952	D Summers	WTS field updated to reflect observation.

600053

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial #1 ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/28/12	0952	D Summers	
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/28/12	0952	D Summers	Initial sample
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/29/12	0905	D Summers	Verified complete and match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/29/12	0905	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/29/12	1230	D Summers	Verified signed and intact.
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/29/12	1344	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/29/12	1344	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/29/12	1344	D Summers	Built, placed with samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/29/12	1344	D Summers	Verified secured and Locked

600054

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #1 Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: NONE

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/29/12 (Date)

Checklist reviewed by SS: Dave Becker (Print Name) _____ (Signature) 11/29/12 (Date)

660055

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSCH-00006 **Sample Type:** Initial ☐ Co-located ☒ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/26/12 11/28/12	0750 0800	DSummers DSummers	Reverified glovebox cleaned and inspected SAT. NO ISSUES noted.
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/26/12 11/28/12	0742 0725	DSummers DSummers	Checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/26/12 11/28/12	0742 0750	DSummers DSummers	Checks SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/26/12 11/28/12	0750 0800	DSummers DSummers	Reverified tools and equipment inspected SAT, NO ISSUES noted.
4b. Document any deficiencies in the comments section.						DSummers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/28/12	1015	DSummers	WTS screen updated for Removal.
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/28/12	1722	DSummers	WTS screen updated for INSTALL.

600056

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Batch Number: SSC12-00006

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Sample Type: Initial ☐ Co-located ☒ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/28/12	1020	DSummers	OI-73 manual coring Core Barrel NOT used for Sample
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/28/12 11/28/12	0750 1125	DSummers DSummers	tools verified clean and packaging intact. NO Deficiencies noted. Reverified.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/28/12 11/28/12	0750 1125	DSummers DSummers	
7c. Was the SS and SME notified?	☐	☐	☒	11/28/12 11/28/12	0750 1125	DSummers DSummers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/28/12 11/28/12	0750 1125	DSummers DSummers	
7e. Document any deficiencies by ID number in the comments section.						DSummers DSummers	

603057

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☐ Co-located ☒ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☒	☐	☐	11/26/12	1125	D Summers	
8b. Log the results in the comments section. **N/A for Grab sampling.**	[redacted]					D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste 22.5 in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 11 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/26/12	1128	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/26/12	1131	D Summers	Verified closed & capped within time limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/26/12	1151	D Summers	VERIFIED NOT DISTURBED
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/26/12	1151	D Summers	WTS field updated to Reflect observation.

660058

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☐ Co-located ☒ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☒	☐	11/28/12	1151	D Summers	WASTE IS Consistent with initial samples in color texture or type.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/28/12	1151	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/29/12	1020	D Summers	Verified complete and match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/29/12	1020	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/29/12	1230	D Summers	Verified signed and intact.
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/29/12	1433	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/29/12	1433	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/29/12	1433	D Summers	Built and placed with samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/29/12	1433	D Summers	Verified Locked and Secure.

650059

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** **Automated Core** ☐ **Manual Core** ☒ **Container Grab** ☐

Batch Number: SSC12-00006 **Sample Type:** **Initial** ☐ **Co-located** ☒ **Resample** ☐ **Field Duplicate** ☐

Additional comments: NONE

Checklist completed by OT: Print Name: Danny Summers Signature: [signature] Date: 11/29/12

Checklist reviewed by SS: Print Name: Dave Becker Signature: [signature] Date: 11/29/12

000060

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #2 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/26/12 11/28/12	0750 1215	D Summers D Summers	Reverified glovebox cleaned and inspected SAT. NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/26/12 11/28/12	0741 0725	D Summers D Summers	CHECKS SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/26/12 11/28/12	0746 0750	D Summers D Summers	CHECKS SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/26/12 11/28/12	0750 1215	D Summers D Summers	tools and equipment inspected SAT NO ISSUES noted Reverified.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/28/12	1015	D Summers	WTS screen updated for Removal.
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/29/12	1728	D Summers	WTS screen updated for Installation.

600061

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #2 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/28/12	1215	D Summers	manual coring being performed core barrel not used for sample
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/28/12 11/28/12	0750 1215	D Summers D Summers	tools verified clean and packaging intact. NO Deficiencies noted. Reverified.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/28/12 11/28/12	0750 1215	D Summers D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/28/12 11/28/12	0750 1215	D Summers D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/28/12 11/28/12	0750 1215	D Summers D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers D Summers	

600062

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00005 **Sample Type:** Initial ☒ #2 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☒	☐	☐	11/28/12	1220	D Summers	
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste 22.5 in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 11 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/28/12	1228	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/28/12	1230	D Summers	Verified closed & capped within time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/28/12	1232	D Summers	VERIFIED NOT DISTURBED
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/28/12	1232	D Summers	WTS field updated to reflect observation.

600063

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #2 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☒	☐	11/28/12	1232	D Summers	Waste is consistent with initial samples and colocated samples in color, texture and type.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/28/12	1232	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/29/12	1053	D Summers	Verified complete and match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/29/12	1053	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/29/12	1230	D Summers	Verified signed and intact.
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/29/12	1438	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/29/12	1438	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/29/12	1438	D Summers	Built and placed with Samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/29/12	1438	D Summers	Verified Locked and Secure.

600064

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1041598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: NONE

Checklist completed by OT: DAVEY SUMNER (Print Name) _____ (Signature) 11/29/12 (Date)

Checklist reviewed by SS: Dave Becker (Print Name) _____ (Signature) 11/29/12 (Date)

000065

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #3 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/26/12 11/28/12	0750 1430	D Summers D Summers	REVERIFIED glovebox cleaned and inspected NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/29/12 11/28/12	0742 0725	D Summers D Summers	Cchecks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/29/12 11/28/12	0746 0750	D Summers D Summers	Cchecks SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/26/12 11/28/12	0750 1430	D Summers D Summers	REVERIFIED tools and equipment inspected SAT. NO ISSUES noted.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/28/12	1015	D Summers	WTS screen updated for Removed.
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/29/12	1726	D Summers	WTS screen updated for INSTALL.

990069

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #3 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/28/12	1430	D Summers	manual coring being performed Core barrel not used for sample
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/29/12 11/28/12	0750 1600	D Summers D Summers	tools verified clean and packaging intact. No Deficiencies noted.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/29/12 11/28/12	0750 1600	D Summers D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/29/12 11/28/12	0750 1600	D Summers D Summers	Deveritied.
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/29/12 11/28/12	0750 1600	D Summers D Summers	
7e. *Document any deficiencies by ID number in the comments section.*						D Summers D Summers	

C00067

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial # 3 ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☒	☐	☐	11/28/12	1435	D Summers	
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste 22.5 in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 11 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/28/12	1602	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/28/12	1605 ~~1605~~ 11/28/12	D Summers	Verified closed and capped within time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/28/12	1606	D Summers	Verified NOT DISTURBED
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/28/12	1606	D Summers	WTS field updated to Reflect observation.

600068

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #3 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☒	☐	11/26/12	1606	D Summers	WASTE IS CONSISTENT with other initial samples and Colocated samples in color, texture, and type.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/26/12	1606	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/29/12	1122	D Summers	Verified Complete and Match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/29/12	1122	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/29/12	1230	D Summers	Verified signed and intact.
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/29/12	1451	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/29/12	1451	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/29/12	1451	D Summers	Built and placed with Samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/29/12	1451	D Summers	Verified Locked and SECURE.

69059

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461598

Sample Origin: Automated Core ☐ Manual Core ☑ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☑ #3 Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: NONE

Checklist completed by OT: DAISY SUMMERS (Print Name) _____ (Signature) 11/29/12 (Date)

Checklist reviewed by SS: Dave Beehler (Print Name) _____ (Signature) 11/29/12 (Date)

600070

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #4 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/30/12	0757	DSummers	Glovebox cleaned and inspected SAT, NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/30/12	0730	DSummers	Checks completed SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/30/12	0745	DSummers	Check completed SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/30/12	0757	DSummers	tools and equipment inspected SAT, NO ISSUES NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/30/12	1318	D Summers	WTS screen updated for Removal
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/30/12	1709	D Summers	WTS screen updated for INSTALL

G00071

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/30/12	0757	D Summers	Manual Coring being performed CORE BARREL NOT USED FOR Sample
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/30/12	1320	D Summers	tools verified clean and packaging intact NO Deficiencies NOTED.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/30/12	1320	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/30/12	1320	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/30/12	1320	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

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Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596

Sample Origin: Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006

Sample Type: Initial ☒ #4 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☒	☐	☐	11/30/12	1045	D Summers	
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste 11 in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 22.5 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/30/12	1124	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/30/12	1123	D Summers	Verified closed & capped within time limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/30/12	1125	D Summers	Verified not disturbed
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/30/12	1125	D Summers	WTS field updated to reflect observation

69023

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596 **Sample Origin:** Automated Core ☐ Manual Core ☑ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #4 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/30/12	1125	D Summers	First initial sample.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/30/12	1125	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/30/12	1343	D Summers	Verified complete and matches WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/30/12	1343	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/30/12	1430	D Summers	Verified signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/30/12	1533	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/30/12	1533	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/30/12	1533	D Summers	built and placed with samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/30/12	1533	D Summers	Verified locked and secure

600074

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596

Sample Origin: **Automated Core** ☐ **Manual Core** ☒ **Container Grab** ☐

Batch Number: SSC12-00006

Sample Type: **Initial** ☒ tky **Co-located** ☐ **Resample** ☐ **Field Duplicate** ☐

Additional comments: NONE

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/30/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/30/12 (Date)

000075

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #5 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/30/12	1123 ~~0757~~	D Summers	glovebox cleaned and inspected. NO ISSUES noted
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/30/12	0730	D Summers	Checks completed SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/30/12	0745	D Summers	Checks completed SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/30/12	1123 ~~0757~~	D Summers	tools and equipment inspected SAT, NO ISSUES NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/30/12	1318	D Summers	WTS screen updated for REMOVAL
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/30/12	1709	D Summers	WTS screen updated for INSTALL.

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 2 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #5 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/30/12	0757	D Summers	Manual coring being performed, core barrel not used for sample
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/30/12	1354	D Summers	tools verified clean and packaging intact. NO Deficiencies noted.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/30/12	1354	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/30/12	1354	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/30/12	1354	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

Drum Number: 10461592 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #5 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.** 8b. Log the results in the comments section. **N/A for Grab sampling.**	☒	☐	☐	11/30/12	1045	D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste 11 in. 34.5 - (Distance from the top lip of the drum to waste + 1) = 22.5 in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/30/12	1156	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/30/12	1157	D Summers	Verified closed & capped within time limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☒	☐	☐	11/30/12	1157	D Summers	VERIFIED NOT DISTURBED
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☒	☐	☐	11/30/12	1157	D Summers	WTS field updated to Reflect observation

600078

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461596 **Sample Origin:** Automated Core ☐ Manual Core ☒ Container Grab ☐

Batch Number: SSC12-00006 **Sample Type:** Initial ☒ #4 & #5 Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☒	☐	11/30/12	1200	D Summers	NO INCONSISTENCIES NOTED BETWEEN first and second (w/ first sample cores (#4 & #5) color, texture and type appears the same.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/30/12	1200	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/30/12	1424	D Summers	VERIFIED complete and matches WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/30/12	1424	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/30/12	1430	D Summers	VERIFIED signed and intact.
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/30/12	1553 ~~1453~~	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/30/12	1553 ~~1453~~	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/30/12	1553 ~~1453~~	D Summers	Built and placed with samples in Refrig
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/30/12	1553 ~~1453~~	D Summers	VERIFIED locked and secure.

600079

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461594 **Sample Origin:** **Automated Core** ☐ **Manual Core** ☑ **Container Grab** ☐

Batch Number: SSC12-00006 **Sample Type:** **Initial** ☑ #5 **Co-located** ☐ **Resample** ☐ **Field Duplicate** ☐

Additional comments: NONE

Checklist completed by OT: DAVEY SUMNER (Print Name) _____ (Signature) 11/30/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/30/12 (Date)

69060

AMWTP Advanced Mixed Waste Treatment Project	Solid Sampling Independent Technical Reviewer Checklist	Form-1421, Rev. 13 Effective: 08/16/07 at 1500 Hrs. Page 1 of 3

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSC12-00006	Location: : Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the QA documentation for the Batch Data Reports complete and does it include data reports and QC results? o Coring Batch Cover Sheet o Table of Contents (manual review only) o Coring Analysis Reports (manual review only) o Chain of Custody (manual review only) o Refrigerator Temperature Log Sheet (Form-1585) (manual review only) and/or Characterization Round Sheet (Form-1602) o Analytical Balance Calibration Check Sheet (Form-1215) (manual review only) o Solid Waste Sampling Checklist (Form-1599) (manual review only) o Solid Sampling Independent Reviewer Checklist (Form-1421) (manual review only) o Supplemental Batch Comment Form (Form-1491) (manual review only) o Associated NCRs (referenced in WTS)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Has the Chain of Custody been initiated properly, filled out correctly and completely?	X			
4. Was each Coring Operator qualified at the time of each coring event?	X			
5. Was the E-signature History review performed?	X			
6. Was the core sample and sub-sample collected based on a random selection method using randomly selected horizontal and vertical planes?	X			

633051

Testing Batch No.: SSC12-00006	Location: : Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? • If any of these conditions have not been met, record the NCR number in the comments section. o Sealing of the liner prior to sampling o Refrigeration of the samples	X			
8. Were the cores visually examined?	X			
9. Was the co-located core visually compared to the first core and were the results acceptable?	X			
10. Were the units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated correctly?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling and coring tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? o Was the coring tool inspection satisfactory? o Was the sampling equipment protective wrapper intact? o Was the sampling area inspection satisfactory? o Were the sampling tools visually clean after unwrapping?	X			
16. Were co-located cores or samples collected at a frequency of one per sampling batch, as defined in INST-OI-16 and/or INST-OI-73?	X			

600082

Testing Batch No.: SSC12-00006	Location: : Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet DQOs or QAOs? If so indicate all NCR numbers in the batch comment section.		X		
18. For drums that contain smaller containers, has one randomly selected smaller container been sampled, as applicable?			X	No smaller inner containers.
19. Has the use of INST-OI-16 and/or INST-OI-73, sampling equipment, and measurement units been consistent?	X			
20. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-16, Drum Coring Operations and/or INST-OI-73, Manual Drum Coring Operations?	X			
21. Was the correct revision of the procedure documented on each analysis report?	X			
22. Does the core sample collected have a length ≥ to 50% of the depth of the waste?	X			
23. If core recovery is <50%, has a second core location been randomly selected?			X	
24. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
25. Were the rework requirements clearly identified in WTS or on the BDR?			X	No WTS rework required.

ITR Print Name: Jay Simonson	ITR Signature: Jay T. Simonson	Date: 12/06/2012

650063

AMWTP Advanced Mixed Waste Treatment Project	Site Project Manager Solid Sampling Checklist	Form-1401 Rev.9 Effective: 12/29/10 Page 1 of 5

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSC12-00006

Question	Response			Requirement	Comment
	YES	NO	N/A		
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives been met? Precision: • Has a co-located core sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Coring Tools – Liners – Sampling Equipment Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • The containers were randomly selected from the container population and the subsampling location in the core was randomly selected. Comparability: • Was the correct version of INST-OI-16 or INST-OI-73 used?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

Batch Data Report #: SSC12-00006

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(2) continued Representativeness: • Were non-disposable coring tools and sampling equipment cleaned prior to sampling? • Has ≥50% of the depth of the waste or the core with the best core recovery been used for sample collection? • Was the waste disturbance minimized verified by visual examination of the core and the documented in the field logbook?	☒	☐	☐		
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, *Table C3-12*	
(4) Was the scale in calibration, and a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the MDL for VOCs and SVOCs and less than 3 times the PRDLs for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Are samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	

660085

Batch Data Report #: SSC12-00006

Question	Response			Requirement	Comment
	YES	NO	N/A		
(7) Were samples collected within 14 days and is a time given between coring and sub-sampling?	☒	☐	☐	MP-TRUW-8.2, Table C1-4 and C1-2b(1)	
(8) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2, C3-10	
(9) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(10) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample?*	☒	☐	☐	MP-TRUW-8.2, Table C3- 12	
(11) Is the location (point of origin) where each sample was taken included in the batch data report? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Does the batch data report include a record of analysis requested and laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

96006

12-21-12

Batch Data Report #: SSC12-00006

	Question	Response YES	Response NO	Response N/A	Requirement	Comment
(14)	Is the depth of waste included for each waste container?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15)	Is the time between coring and sub-sampling less than one hour? If time is greater than 1 hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(16)	The data for all containers within this batch meet the review, validation, and verification requirements. • Are proper units (e.g. grams or liters) and significant figures used? • Is the BDR complete (all pages identified in the BDR and numbered accordingly)? • WTS Coring Batch Cover Sheet • Table of Contents (manual review only) • WTS Coring Analysis Reports • Chain of Custody • Refrigerator Temperature Log Sheet (Form-1585) and/or Form-1602, Characterization Round Sheet • Analytical Balance Calibration Check Sheet (Form-1215) • Solid Waste Sampling Checklist (Form-1599) • Solid Sampling Independent Reviewer Checklist (Form-1421) • Supplemental Batch Comment Form (Form-1491) • Associated NCRs	☒	☐	☐	MP-TRUW-8.2, C3-10b	

680087

AMWTP Advanced Mixed Waste Treatment Project	Site Project Manager Solid Sampling Checklist	Form-1401 Rev.9 Effective: 12/29/10 Page 5 of 5

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSC12-00006

Question	Response			Requirement	Comment
	YES	NO	N/A		
(17) Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	
(18) Were the following inspections performed? • Was the coring tool inspection satisfactory? • Was the sampling equipment protective wrapped intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2B(2)	
(19) Are the calculation of core recovery and co-located core description included in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(20) All data associated with this BDR is acceptable for signature release?	☒	☐	☐	MP-TRUW-8.2, C3-10b(2)	

Comments:

SPM: Kenny Burnside (Print Name) (Signature) 12/11/12 (Date)

600088

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSC12-00006

Item	Date	Name	Comments
1.	11/30/12	Davey Sumners Coring Operator	WMF-634, Coring room, WMC S3212
2.	11/30/12	Davey Sumners Coring Operator	Esigned.
3.	12/06/12	Jay Simonson ITR	This batch was validated per MP-TRUW-8.8.
4.	12/06/12	Jay Simonson ITR	Minor rework was performed satisfactorily on Form-1215, Analytical Balance Calibration Check Sheet.
5.	12/06/12	Jay Simonson ITR	Note: Information only. On Form-1599 for drum number 10461598, with Sample Type marked as "Initial #1," in block 1: the date 11/27/12 is associated with time 0851; the date 11/28/12 is associated with time 0800; and the date 11/29/12 is associated with time 0750. No action required.
6.	12/06/12	Jay Simonson ITR	Level I validation complete.
7.	12/06/12	Jay Simonson ITR	Promoted to SPM.
8.	012/06/12	Jay Simonson Signature	Jay T. Simonson

68089

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSC12-00006

Item	Date	Name	Comments
1.	12/11/12	Kenny Burnside	SPM reviewed and approved. 12/11/12

Note: Data Validation Reviewers should continue with indicating the Item number in the first column in numerical sequence. This page's Item number column was intentionally left blank in the event a batch may require additional comment pages.

660090

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

☐	Original Record
☐	Fax Record
X	Electronic Record

☐ Copy

Attn:	SRS - JEFF PATTERSON	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	01/30/2013
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SSC12-00006	BATCH DATA REPORT SRS SOLIDS SAMPLING	12/10/2012	90
	N/A		

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted ☑	Signature	Jeffrey Patterson (Printed Name)	1/30/13 (Date)
Records Rejected ☐	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2908
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	01/30 07:57
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

CCP-QP-008, Rev. 20
CCP Records Management

Effective Date: 08/10/2012

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	SRS - JEFF PATTERSON	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	01/30/2013
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SSC12-00006	BATCH DATA REPORT SRS SOLIDS SAMPLING	12/10/2012	90
	N/A		

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] _____ Signature | Jeffrey Patterson Printed Name | 1/30/13 Date

DIVIDER

PAGE

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

BDR Number: ssg12-00007 **Sampling Date:** 11-2, 11-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) have a BDR Table of Contents? **Reference Source: CCP Technical Procedures**	X			
2. Does the BDR contain the sampling BDR number, BDR date, and facility name? **Reference Source: CCP-PO-001, Table C3-12**	X			
3. Does the BDR contain the identification number(s) and container numbers for the waste packages represented in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Are there 20 or less field samples per sampling batch? **Reference Source: CCP-PO-001, C3-10**	X			
5. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR
6. Are the chain-of-custody (COC) forms and appropriate data sheets for each waste package included in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
7. Does the BDR contain the sampling ID numbers and location (physical location within the container)? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Does the waste package BDR contain the sampling date and time? **Reference Source: CCP-PO-001, Table C3-12**	X			
9. Does the waste package BDR contain the sampler's signature? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample matrix and type identified within the sampling BDR? **Reference Source: CCP-PO-001, Table C1-2**	X			
11. Does the BDR identify the sample number and size? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/2012

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssg12-00007 **Sampling Date:** 11-2, 11-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Does the BDR identify the correct Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Is there a minimum of one co-located core/sample (or field duplicate) collected per sample batch or one per week during sampling operation, and is a description of the collected core included in the BDR? **Reference Source: CCP-PO-001, C3-3**	X			
14. Is there a minimum of one equipment blank for coring tools collected per equipment cleaning batch when sampling with compactor/coring unit? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
15. Is there a minimum of one equipment blank for coring tools cleaned when sampling with single coring unit? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
16. Is there a minimum of one equipment blank for liners collected per equipment cleaning batch? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
17. Are samples preserved by keeping them at a temperature of 4°C, $\pm$ 2° C? **Reference Source: CCP-PO-001, Table C1-4**	X			
18. Were proper procedures, including revision number, used and referenced in BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
19. Were samples collected within 14 days, and is a time given between coring and sub-sampling? **Reference Source: CCP-PO-001, Table C3-12**			X	Grab Sampling
20. Were the samples transferred to the lab within the maximum holding times? **Reference Source: CCP-PO-001, Table C1-4**	X			
21. Are sampling equipment numbers (lot number for disposable equipment) included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssg12-00007	Sampling Date: 11-2, 11-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. Are field records present in the BDR? Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
23. Is the location (point of origin) where each sample was taken included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
24. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
25. Does the BDR include a record of analysis requested and the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
26. Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
27. Is the depth of waste included for each waste container? **Reference Source: CCP-PO-001, Table C3-12**			X	Grab Sampling
28. Are the calculations of core recovery included in the BDR? NA if the sampling is not a core. **Reference Source: CCP-PO-001, Table C3-12**			X	

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssg12-00007 **Sampling Date:** 11-2, 11-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
29. Is the co-located core/sample description included in the BDR? **Reference Source: CCP-PO-001 Table C3-12**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		12-26-2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

RECORD
CMC 12/17/2012

CMC 12/17/2012

SSG12-00007
BATCH DATA REPORT

Report Date: November 15, 2012.

Narrative:

This report provides test results and documentation for the Solid Sampling examination of the following container using INST-OI-75:

10461597.

This was a one drum batch. There were five Initial samples and one Field Duplicate sample.

No Solid Sampling Nonconformance Reports are associated with this Batch Data Report.

Position	Signature	Date
AMWTP Site Project Manager		11/19/12

CCP RECORDS ORIGINAL
DATE REC'D 12.18.12

Table of Contents
SSG12-00007

Contents
Batch Narrative
Table of Contents
Offsite Waste Shipment Report
Batch Report Cover Sheet
Core Sample Analysis Reports
Chain(s) of Custody
Refrigerator Temperature Logsheet (Form-1585) and/or Characterization Round Sheet (Form-1602)
Analytical Balance Calibration Check Sheet (Form-1215)
Solid Waste Sampling Checklist(s) (Form-1599)
Independent Technical Reviewer Small Container Sampling Checklist(s) (Form-1858)
Site Project Manager Small Container Sampling Checklist(s) (Form-1859)
Batch Data Report Supplemental Comment Form (Form-1491)

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Date: 15-Oct-2012

Time: 06:23

Offsite Waste Shipment

S S G 1 2 - 0 0 0 0 7

Shipping No.	SRIN12002	**Manifest No.**	001077697GBF
Proposed Shipment Date	20-SEP-12	**Manifest Receipt Date**	23-SEP-12
Repsonsible Project	SRS	**# of Containers**	5

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
BC0151	10461598	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	Yes	10/01/12
BC0166	10461596	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	No	
SR500174	10461597	425	SR-260	CORE	SR-W027-321M-HOM	09/23/2012	No	
SRSB01270			-				No	
SRSB01271			-				No	

***** End of Offsite Waste Shipment Report *****

C00003

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

Batch Type Solid Sampling Grab

Batch Id SSG12-00007

Batch Status CLOSED

Test Facility Idaho AMWTP

Equipment Id Z-250-801 634-Coring

Open Date 02-NOV-12 09:02:55

Batch Report No. SSG12-00007

Close Date 05-NOV-12 16:42:41

Container Id	IDC	Analysis Id	Date Examined	QC Type	Analysis Status	Operator
10461597	SR-260	691	02-NOV-12 13:04:47	Original	P	MICHAEL KREMIN
10461597	SR-260	692	02-NOV-12 13:04:34	Replicate / Duplicate	P	MICHAEL KREMIN
10461597	SR-260	693	04-NOV-12 10:47:00	Original	P	DAVEY SUMNERS
10461597	SR-260	694	04-NOV-12 12:31:00	Original	P	DAVEY SUMNERS
10461597	SR-260	695	04-NOV-12 13:22:00	Original	P	DAVEY SUMNERS
10461597	SR-260	696	04-NOV-12 14:21:00	Original	P	DAVEY SUMNERS

660004

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

SSG12-00007

GS 12-12-12

**********Batch Comments**********

Written By	Date	Comment
DSUMNERS	05-NOV-12 16:42:42	closed per direction.
DSUMNERS	05-NOV-12 16:42:42	WMF-634, Coring Room S3114

660005

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

SSG 12-00007

GS 12-12-12

**********Batch E-Signature History**********

Approval ID	User ID	Signature Date	Comment
2385005	DSUMNERS	05-NOV-2012 16:42:42	closed per direction.

***** End of Batch Report Coversheet Report *****

C00006

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:45

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 691
Event Date 02-NOV-12 13:04:47
Taken By MICHAEL KREMIN
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 1

Matrix Physical Description S3114 dark brown in color granular in texture moist
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381488	MKREMIN	02-NOV-2012 13:04:38	
2381489	MKREMIN	02-NOV-2012 13:13:04	

Grab Sample

Event ID 691
Sample Date 02-NOV-12 13:09:40
Taken By MICHAEL KREMIN
Sample Requested PVOC

Sample ID 10467818
Weight 2.79 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381577	MKREMIN	02-NOV-2012 15:01:59	
2381699	MKREMIN	02-NOV-2012 16:23:08	

660007

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:45

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691
Sample ID 10467820
Weight 2.75 gms
Sample Date 02-NOV-12 13:13:33
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381492	MKREMIN	02-NOV-2012 13:18:57	

Grab Sample

Event ID 691
Sample ID 10467836
Weight 12.35 gms
Sample Date 02-NOV-12 13:15:20
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
hydrazine
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381495	MKREMIN	02-NOV-2012 13:22:12	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:46

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 | Sample ID 10467837 | Weight 12.21 gms
Sample Date 02-NOV-12 13:19:44 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment: formaldehyde
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381496	MKREMIN	02-NOV-2012 13:24:18	
2381700	MKREMIN	02-NOV-2012 16:23:38	

Grab Sample

Event ID 691 | Sample ID 10467839 | Weight 2.98 gms
Sample Date 02-NOV-12 13:21:13 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment: spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381497	MKREMIN	02-NOV-2012 13:26:14	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:46

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691
Sample ID 10467840
Weight 2.93 gms
Sample Date 02-NOV-12 13:23:08
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
spare 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381502	MKREMIN	02-NOV-2012 13:28:04	

Grab Sample

Event ID 691
Sample ID 10467841
Weight 36.52 gms
Sample Date 02-NOV-12 13:28:39
Volume 125 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	PC0125-0015	110606	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381503	MKREMIN	02-NOV-2012 13:29:36	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691
Sample ID 10467854
Weight 2.80 gms
Sample Date 02-NOV-12 14:06:22
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank 1
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381552	MKREMIN	02-NOV-2012 14:26:40	

Grab Sample

Event ID 691
Sample ID 10467855
Weight 2.94 gms
Sample Date 02-NOV-12 14:08:51
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381554	MKREMIN	02-NOV-2012 14:27:41	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691
Sample ID 10467856
Weight 2.65 gms
Sample Date 02-NOV-12 14:09:00
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank 3
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381555	MKREMIN	02-NOV-2012 14:29:12	

Grab Sample

Event ID 691
Sample ID 10467857
Weight 12.30 gms
Sample Date 02-NOV-12 14:11:34
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank hydrazine
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381556	MKREMIN	02-NOV-2012 14:30:47	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691
Sample ID 10467858
Weight 12.12 gms
Sample Date 02-NOV-12 14:13:04
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment

Grab Sample Comment
trip blank formaldahyde

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381558	MKREMIN	02-NOV-2012 14:34:01	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 692
Event Date 02-NOV-12 13:04:34
Taken By MICHAEL KREMIN
Sample Type Field Duplicate

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 1

Matrix Physical Description S3114 dark brown in color granular in texture moist
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381510	MKREMIN	02-NOV-2012 13:36:21	

Grab Sample

Event ID 692
Sample Date 02-NOV-12 13:29:22
Taken By MICHAEL KREMIN
Sample Requested PVOC

Sample ID 10467843
Weight 2.74 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
pvoc 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	1D031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381515	MKREMIN	02-NOV-2012 13:39:01	

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 Sample ID 10467844 Weight 2.78 gms
Sample Date 02-NOV-12 13:30:46 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested PVOC
Randomly Selected Quadrant Quadrant Sampled 3 Quadrant Comment
Grab Sample Comment
pvoc 2
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381516	MKREMIN	02-NOV-2012 13:40:53	

Grab Sample

Event ID 692 Sample ID 10467845 Weight 2.76 gms
Sample Date 02-NOV-12 13:31:21 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested PVOC
Randomly Selected Quadrant Quadrant Sampled 3 Quadrant Comment
Grab Sample Comment
pvoc 3
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381517	MKREMIN	02-NOV-2012 13:42:07	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467846 | Weight 2.69 gms
Sample Date 02-NOV-12 13:32:34 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
nhvoc 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381519	MKREMIN	02-NOV-2012 13:43:37	

Grab Sample

Event ID 692 | Sample ID 10467847 | Weight 2.84 gms
Sample Date 02-NOV-12 13:33:48 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
nhvoc 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381520	MKREMIN	02-NOV-2012 13:44:51	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692
Sample ID 10467848
Weight 2.71 gms
Sample Date 02-NOV-12 13:34:15
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
nhvoc 3
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381521	MKREMIN	02-NOV-2012 13:46:13	

Grab Sample

Event ID 692
Sample ID 10467849
Weight 12.18 gms
Sample Date 02-NOV-12 13:36:52
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
hydrozine
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381522	MKREMIN	02-NOV-2012 13:48:02	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467850 | Weight 12.32 gms

Sample Date 02-NOV-12 13:38:33 | Volume 20 ml.

Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested NHVOC

Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment
formaldahyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381523	MKREMIN	02-NOV-2012 13:49:38	

Grab Sample

Event ID 692 | Sample ID 10467851 | Weight 2.87 gms

Sample Date 02-NOV-12 13:39:05 | Volume 20 ml.

Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SPARE

Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment
spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381524	MKREMIN	02-NOV-2012 13:51:02	
2381698	MKREMIN	02-NOV-2012 16:22:10	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692
Sample ID 10467852
Weight 2.88 gms
Sample Date 02-NOV-12 13:40:15
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
spare 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381526	MKREMIN	02-NOV-2012 13:52:13	

Grab Sample

Event ID 692
Sample ID 10467853
Weight 38.50 gms
Sample Date 02-NOV-12 13:43:30
Volume 125 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	PC0125-0015	110606	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381529	MKREMIN	02-NOV-2012 13:53:48	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692
Sample ID 10467859
Weight 2.63 gms
Sample Date 02-NOV-12 14:16:09
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank 1
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381564	MKREMIN	02-NOV-2012 14:39:55	

Grab Sample

Event ID 692
Sample ID 10467860
Weight 2.68 gms
Sample Date 02-NOV-12 14:18:21
Volume 20 ml.
Taken By MICHAEL KREMIN
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
trip blank 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381565	MKREMIN	02-NOV-2012 14:41:05	

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467861 | Weight 2.77 gms
Sample Date 02-NOV-12 14:20:21 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment
trip blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 Ml. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381566	MKREMIN	02-NOV-2012 14:42:04	

Grab Sample

Event ID 692 | Sample ID 10467862 | Weight 12.28 gms
Sample Date 02-NOV-12 14:22:18 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment
trip blank hydrozine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381567	MKREMIN	02-NOV-2012 14:43:14	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 **Sample ID** 10467863 **Weight** 12.33 gms

Sample Date 02-NOV-12 14:23:30 **Volume** 20 ml.

Taken By MICHAEL KREMIN **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant **Quadrant Sampled** 0 **Quadrant Comment**

Grab Sample Comment
trip blank formaldahyde

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2381568	MKREMIN	02-NOV-2012 14:44:26	
2381574	MKREMIN	02-NOV-2012 14:54:41	S3114 dark brown in color granular in texture moist

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 693
Event Date 04-NOV-12 10:47:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 3

Matrix Physical Description S-3114. Light gray, granular, dry.
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382956	DSUMNERS	04-NOV-2012 10:48:06	saving data
2383036	DSUMNERS	04-NOV-2012 13:18:32	saving data

Grab Sample

Event ID 693
Sample Date 04-NOV-12 10:50:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468120
Weight 2.95 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 2
Quadrant Sampled 2
Quadrant Comment

Grab Sample Comment
initial # 2 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382965	DSUMNERS	04-NOV-2012 11:18:32	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 Sample ID 10468121 Weight 2.95 gms
Sample Date 04-NOV-12 10:52:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 Quadrant Sampled 2 Quadrant Comment
Grab Sample Comment
initial#2 NHVOC
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382967	DSUMNERS	04-NOV-2012 11:22:02	saving data

Grab Sample

Event ID 693 Sample ID 10468122 Weight 12.17 gms
Sample Date 04-NOV-12 11:18:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 Quadrant Sampled 2 Quadrant Comment
Grab Sample Comment
initial #2 NHVOC-Hydrazine
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382969	DSUMNERS	04-NOV-2012 11:40:56	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468123 | Weight 12.23 gms
Sample Date 04-NOV-12 11:20:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial #2 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382972	DSUMNERS	04-NOV-2012 11:47:00	saving data

Grab Sample

Event ID 693 | Sample ID 10468124 | Weight 2.73 gms
Sample Date 04-NOV-12 11:22:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial#2 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382973	DSUMNERS	04-NOV-2012 11:48:54	saving data

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468125 | Weight 2.98 gms | Volume 20 ml.

Sample Date 04-NOV-12 11:23:00

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SPARE

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial#2 Spare 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382977	DSUMNERS	04-NOV-2012 11:50:27	saving data

Grab Sample

Event ID 693 | Sample ID 10468126 | Weight 35.80 gms | Volume 125 ml.

Sample Date 04-NOV-12 11:27:00

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SVOC, METALS

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial#2 SVOC/Metals

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382978	DSUMNERS	04-NOV-2012 11:52:53	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693
Sample ID 10468165
Sample Date 04-NOV-12 18:04:59
Weight 2.93 gms
Volume 20 ml.
Taken By DAVEY SUMNERS
Sample Requested TRIP BLANK
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 1
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383242	DSUMNERS	04-NOV-2012 18:06:47	savng data

Grab Sample

Event ID 693
Sample ID 10468166
Sample Date 04-NOV-12 18:07:03
Weight 2.74 gms
Volume 20 ml.
Taken By DAVEY SUMNERS
Sample Requested TRIP BLANK
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383243	DSUMNERS	04-NOV-2012 18:07:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693
Sample ID 10468167
Weight 2.73 gms
Sample Date 04-NOV-12 18:08:05
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment

Grab Sample Comment
Trip Blank 3

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383244	DSUMNERS	04-NOV-2012 18:08:54	saving data

Grab Sample

Event ID 693
Sample ID 10468168
Weight 12.47 gms
Sample Date 04-NOV-12 18:09:16
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment

Grab Sample Comment
Trip Blank 4

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383245	DSUMNERS	04-NOV-2012 18:10:02	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693
Sample ID 10468169
Sample Date 04-NOV-12 18:10:19
Weight 12.35 gms
Volume 20 ml.
Taken By DAVEY SUMNERS
Sample Requested TRIP BLANK
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 5
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2383246	DSUMNERS	04-NOV-2012 18:11:03	saving data	
2383267	DSUMNERS	04-NOV-2012 18:42:08	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 694
Event Date 04-NOV-12 12:31:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 5

Matrix Physical Description S3114. dark gray, granular. dry.
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382989	DSUMNERS	04-NOV-2012 12:31:58	saving data
2383039	DSUMNERS	04-NOV-2012 13:20:00	saving data

Grab Sample

Event ID 694
Sample Date 04-NOV-12 12:34:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468128
Weight 2.85 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 4
Quadrant Sampled 4
Quadrant Comment

Grab Sample Comment
initial sample#3 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382991	DSUMNERS	04-NOV-2012 12:35:36	saving data
2383265	DSUMNERS	04-NOV-2012 18:38:47	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51
SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468129 | Weight 2.98 gms
Sample Date 04-NOV-12 12:36:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: initial sample#3 NHVOC
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382996	DSUMNERS	04-NOV-2012 12:43:07	saving data

Grab Sample

Event ID 694 | Sample ID 10468130 | Weight 12.40 gms
Sample Date 04-NOV-12 12:39:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment
Grab Sample Comment: initial sample#3 NHVOC-Hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382997	DSUMNERS	04-NOV-2012 12:46:37	saving data

SUPERSEDED
GI 1.30 A 12.18.12
~~GI 0.71~~ WS 12-12-12

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:02

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 **Sample ID** 10468129 **Weight** 2.98 gms

Sample Date 04-NOV-12 12:36:00 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested NHVOC

Randomly Selected Quadrant **Quadrant Sampled** 4

Grab Sample Comment
initial sample#3 NHVOC. Rework : Corrected sample requested to NHVOC and quadrant Sampled to 4. cb 11/14/12

Quadrant Comment
Rework: WTS prevented entering Randomly Selected Quadrant (4) in field due to previous incorrect selection of Trip Blank for sample requested field which was corrected with Rework. cb / ps 11/14/12.

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382996	DSUMNERS	04-NOV-2012 12:43:07	saving data
2394665	CBEEBE	14-NOV-2012 16:08:09	saving data.
2394669	PSWASSING	14-NOV-2012 16:08:11	initial sample#3 NHVOC. Rework : Corrected sample requested to NHVOC and quadrant Sampled to 4. cb / ps11/14/12
2394848	CBEEBE	14-NOV-2012 17:54:01	Entered Grab Sample comment. 11/14/12 cb
2394849	PSWASSING	14-NOV-2012 17:54:02	Entered Grab Sample comment. 11/14/12 ps

Core 10.31

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 Sample ID 10468130 Weight 12.40 gms
Sample Date 04-NOV-12 12:39:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 4 Quadrant Sampled 4 Quadrant Comment
Grab Sample Comment
initial sample#3 NHVOC-Hydrazine
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382997	DSUMNERS	04-NOV-2012 12:46:37	saving data

Grab Sample

Event ID 694 Sample ID 10468131 Weight 12.27 gms
Sample Date 04-NOV-12 12:42:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 4 Quadrant Sampled 4 Quadrant Comment
Grab Sample Comment
initial sample#3 NHVOC-Formaldehyde
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383001	DSUMNERS	04-NOV-2012 12:50:14	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468131 | Weight 12.27 gms
Sample Date 04-NOV-12 12:42:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment

Grab Sample Comment
initial sample#3 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383001	DSUMNERS	04-NOV-2012 12:50:14	saving data

Grab Sample

Event ID 694 | Sample ID 10468132 | Weight 2.81 gms
Sample Date 04-NOV-12 12:43:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment

Grab Sample Comment
Initial sample#3 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383002	DSUMNERS	04-NOV-2012 12:52:02	saving data

SUPERSEDED

C00032 A R 12.18.12

~~C00033~~ WS 12-12-12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468132 | Weight 2.81 gms
Sample Date 04-NOV-12 12:43:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment
Grab Sample Comment: Initial sample#3 Spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383002	DSUMNERS	04-NOV-2012 12:52:02	saving data

Grab Sample

Event ID 694 | Sample ID 10468133 | Weight 2.68 gms
Sample Date 04-NOV-12 12:44:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment
Grab Sample Comment: Initial sample#3 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383004	DSUMNERS	04-NOV-2012 12:56:35	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

SUPERSEDED

Grab Sample

Event ID 694 | Sample ID 10468133 | Weight 2.68 gms
Sample Date 04-NOV-12 12:44:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment

Grab Sample Comment
Initial sample#3 Spare 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383004	DSUMNERS	04-NOV-2012 12:56:35	saving data

Grab Sample

Event ID 694 | Sample ID 10468134 | Weight 35.98 gms
Sample Date 04-NOV-12 12:48:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment

Grab Sample Comment
Initial sample#3 SVOC/Metals

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383008	DSUMNERS	04-NOV-2012 12:59:19	saving data

SUPERSEDED

GW0332 AR 12.18.12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468134 | Weight 35.98 gms
Sample Date 04-NOV-12 12:48:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment
Grab Sample Comment: Initial sample#3 SVOC/Metals
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383008	DSUMNERS	04-NOV-2012 12:59:19	saving data

Grab Sample

Event ID 694 | Sample ID 10468170 | Weight 2.65 gms
Sample Date 04-NOV-12 18:13:22 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383247	DSUMNERS	04-NOV-2012 18:14:16	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 Sample ID 10468170 Weight 2.65 gms
Sample Date 04-NOV-12 18:13:22 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 1
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383247	DSUMNERS	04-NOV-2012 18:14:16	saving data

Grab Sample

Event ID 694 Sample ID 10468171 Weight 2.84 gms
Sample Date 04-NOV-12 18:14:26 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 2
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383248	DSUMNERS	04-NOV-2012 18:15:09	saving data

SUPERSEDED

600034A 12.18.12

WS 12-12-12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468171 | Weight 2.84 gms
Sample Date 04-NOV-12 18:14:26 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383248	DSUMNERS	04-NOV-2012 18:15:09	saving data

Grab Sample

Event ID 694 | Sample ID 10468172 | Weight 2.64 gms
Sample Date 04-NOV-12 18:15:22 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383249	DSUMNERS	04-NOV-2012 18:16:11	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 **Sample ID** 10468172 **Weight** 2.64 gms

Sample Date 04-NOV-12 18:15:22 **Volume** 20 ml.

Taken By DAVEY SUMNERS

Custody Seal Attached Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant **Quadrant Sampled** 0 **Quadrant Comment**

Grab Sample Comment
Trip Blank 3

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383249	DSUMNERS	04-NOV-2012 18:16:11	saving data

Grab Sample

Event ID 694 **Sample ID** 10468173 **Weight** 12.31 gms

Sample Date 04-NOV-12 18:16:30 **Volume** 20 ml.

Taken By DAVEY SUMNERS

Custody Seal Attached Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant **Quadrant Sampled** 0 **Quadrant Comment**

Grab Sample Comment
Trip Blank 4

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383250	DSUMNERS	04-NOV-2012 18:18:07	saving data

SUPERSEDED

G00035 A 12-18-12

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 Sample ID 10468173 Weight 12.31 gms

Sample Date 04-NOV-12 18:16:30 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 4

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383250	DSUMNERS	04-NOV-2012 18:18:07	saving data

Grab Sample

Event ID 694 Sample ID 10468174 Weight 12.35 gms

Sample Date 04-NOV-12 18:18:25 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383251	DSUMNERS	04-NOV-2012 18:19:18	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468174 | Weight 12.35 gms
Sample Date 04-NOV-12 18:18:25 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment
Trip Blank 5
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383251	DSUMNERS	04-NOV-2012 18:19:18	saving data

SUPERSEDED

60036 A 12.18.12

~~60036~~ WS 12-12-12

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 695
Event Date 04-NOV-12 13:22:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 2

Matrix Physical Description S3114. Waste is dark brown, granular and moist, oily.
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383043	DSUMNERS	04-NOV-2012 13:24:06	saving data
2383574	DSUMNERS	05-NOV-2012 07:08:57	saving data

Grab Sample

Event ID 695
Sample Date 04-NOV-12 13:27:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468136
Weight 2.72 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 2
Quadrant Sampled 2
Quadrant Comment

Grab Sample Comment
Initial sample#4 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383046	DSUMNERS	04-NOV-2012 13:27:58	saving data
2383264	DSUMNERS	04-NOV-2012 18:37:04	saving data

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 | Sample ID 10468137 | Weight 2.79 gms
Sample Date 04-NOV-12 13:29:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment
Initial sample#4 NHVOC
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383048	DSUMNERS	04-NOV-2012 13:29:55	saving data

Grab Sample

Event ID 695 | Sample ID 10468138 | Weight 12.49 gms
Sample Date 04-NOV-12 13:33:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment
Initial sample#4 NHVOC-Hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383054	DSUMNERS	04-NOV-2012 13:33:46	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 | Sample ID 10468143 | Weight 12.25 gms

Sample Date 04-NOV-12 13:35:00 | Volume 20 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested NHVOC

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383057	DSUMNERS	04-NOV-2012 13:36:11	saving data

Grab Sample

Event ID 695 | Sample ID 10468144 | Weight 2.80 gms

Sample Date 04-NOV-12 13:37:00 | Volume 20 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SPARE

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383058	DSUMNERS	04-NOV-2012 13:38:00	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695
Sample ID 10468150
Weight 2.96 gms
Sample Date 04-NOV-12 13:39:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 2
Quadrant Sampled 2
Quadrant Comment

Grab Sample Comment
Initial sample#4 Spare 2

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383059	DSUMNERS	04-NOV-2012 13:40:11	saving data

Grab Sample

Event ID 695
Sample ID 10468152
Weight 36.21 gms
Sample Date 04-NOV-12 13:43:00
Volume 125 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 2
Quadrant Sampled 2
Quadrant Comment

Grab Sample Comment
Initial sample#4 SVOC/Metals

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383061	DSUMNERS	04-NOV-2012 13:43:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695
Sample ID 10468175
Weight 2.56 gms
Sample Date 04-NOV-12 18:20:29
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 1
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383252	DSUMNERS	04-NOV-2012 18:21:19	saving data

Grab Sample

Event ID 695
Sample ID 10468176
Weight 2.73 gms
Sample Date 04-NOV-12 18:21:29
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 2
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383253	DSUMNERS	04-NOV-2012 18:22:13	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695
Sample ID 10468177
Weight 2.80 gms
Sample Date 04-NOV-12 18:22:33
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 3
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383254	DSUMNERS	04-NOV-2012 18:23:18	saving data

Grab Sample

Event ID 695
Sample ID 10468178
Weight 12.33 gms
Sample Date 04-NOV-12 18:23:33
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment
Grab Sample Comment
Trip Blank 4
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383255	DSUMNERS	04-NOV-2012 18:24:12	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695
Sample ID 10468179
Weight 12.39 gms
Sample Date 04-NOV-12 18:24:26
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383256	DSUMNERS	04-NOV-2012 18:25:09	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 696
Event Date 04-NOV-12 14:21:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 6

Matrix Physical Description S3114. Dark brown, granular. dry
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383081	DSUMNERS	04-NOV-2012 14:22:42	saving data

Grab Sample

Event ID 696
Sample Date 04-NOV-12 14:24:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468158
Weight 2.96 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
Initial sample#5 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383085	DSUMNERS	04-NOV-2012 14:25:57	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696
Sample ID 10468159
Weight 2.68 gms
Sample Date 04-NOV-12 14:26:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
Initial sample#5 NHVOC
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383090	DSUMNERS	04-NOV-2012 14:27:34	saving data

Grab Sample

Event ID 696
Sample ID 10468160
Weight 12.22 gms
Sample Date 04-NOV-12 14:28:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment
Grab Sample Comment
Initial sample#5 NHVOC-Hydrazine
Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383092	DSUMNERS	04-NOV-2012 14:29:25	saving data
2383097	DSUMNERS	04-NOV-2012 14:33:05	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696
Sample ID 10468161
Weight 12.30 gms
Sample Date 04-NOV-12 14:30:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
Initial sample#5 NHVOC-Formaldehyde

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383095	DSUMNERS	04-NOV-2012 14:31:48	saving data

Grab Sample

Event ID 696
Sample ID 10468162
Weight 2.79 gms
Sample Date 04-NOV-12 14:32:00
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
Initial sample#5 Spare 1

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383098	DSUMNERS	04-NOV-2012 14:35:17	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468163 | Weight 2.75 gms
Sample Date 04-NOV-12 14:33:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2383099	DSUMNERS	04-NOV-2012 14:36:48	saving data	

Grab Sample

Event ID 696 | Sample ID 10468164 | Weight 38.80 gms
Sample Date 04-NOV-12 14:38:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 SVOC/Metals
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2383101	DSUMNERS	04-NOV-2012 14:39:42	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468180 | Weight 2.68 gms
Sample Date 04-NOV-12 18:26:09 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: trip Blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383257	DSUMNERS	04-NOV-2012 18:26:59	saving data

Grab Sample

Event ID 696 | Sample ID 10468181 | Weight 2.92 gms
Sample Date 04-NOV-12 18:27:13 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383259	DSUMNERS	04-NOV-2012 18:28:02	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468182 | Weight 2.60 gms
Sample Date 04-NOV-12 18:28:18 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383260	DSUMNERS	04-NOV-2012 18:29:02	saving data

Grab Sample

Event ID 696 | Sample ID 10468183 | Weight 12.30 gms
Sample Date 04-NOV-12 18:29:23 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 4
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383261	DSUMNERS	04-NOV-2012 18:30:22	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696
Sample ID 10468184
Weight 12.32 gms
Sample Date 04-NOV-12 18:30:36
Volume 20 ml.
Taken By DAVEY SUMNERS
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant
Quadrant Sampled 0
Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date
By
Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383262	DSUMNERS	04-NOV-2012 18:31:19	saving data
2383263	DSUMNERS	04-NOV-2012 18:35:09	saving data

******End of Core Analysis Report******

660050

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldehyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	[signature]	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FCE of pavent drum used to transfer samples to lab. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 1 TID# 585262 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Log 1211051

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 1 of 2

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners		11/05/12 1033	
Received By	David J. Preston		11/05/12 1033	

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On site Transfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

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660053

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1050	
Received By	David J. Preston	David J. Preston	11/05/12 1050	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1051	FGE at parent drum used for transfer of samples. On Site Transfer. David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NHVOC	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1055	
Received By	David J. Preston		11/05/12 1055	
Relinquished By	David J. Preston		11/05/12 1056	F&E of parent drum used for transfer of samples. On Site Transfer David J. Preston 11/05/12
Received By	Patty Tullock		11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1103	
Received By	David J. Preston	David J Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer.
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 5 TID # 585257 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1113	
Received By	David J. Preston	David J. Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Page 1 of 1

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CCP0527

AMWTP
Advanced Mixed Waste Treatment Project

Refrigerator Temperature Logsheet

Form-1585 Rev. 2
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Operator	Date	Time	Current Temperature	High Temperature Since Last Reading	Low Temperature Since Last Reading	Comments
Nick Ingle	8/30/12	0832	4.2°C	4.3°C	3.8°C	No Samples No Samples in Fridge
Marciel Trejo	8/30/12	1727	4.0°C	4.2°C	3.8°C	Samples in Fridge
Cooley Beebe	08/31/12	0800	3.4°C	4.2°C	3.3°C	Samples in Fridge
Mike Kremin	08/31/12	1830	4.2°C	4.2°C	3.3°C	Samples In Fridge
DAVE SUMMERS	09/01/12	1000	4.1°C	4.2°C	3.6°C	Samples in Refrig
DAVE SUMMERS	09/01/12	1830	4.2°C	4.3°C	4.0°C	Samples in Refrig
DAVE SUMMERS	09/02/12	0715	4.1°C	4.3°C	3.9°C	Samples in Refrig
Cooley Beebe	09/03/12	1830	4.1°C	4.2°C	3.8°C	Samples in Fridge.
DAVE SUMMERS	09/03/12	0700	4.1°C	4.4°C	4.0°C	Samples in Refrig
DAVE SUMMERS	09/03/12	1830	4.5°C	4.5°C	4.0°C	Samples in Refrig
Paul Sanessing	10/04/12	0700	3.9°C	4.1°C	3.7°C	NO SAMPLES IN FRIDGE
DAVE SUMMERS	10/05/12	0710	3.9°C	4.1°C	3.8°C	NO Samples in Refrig
Paul Sanessing	10/09/12	1830	3.6°C	4.0°C	3.5°C	SAMPLES IN FRIDGE
Abel Escobar	10/06/12	0800	3.8°C	3.9°C	3.7°C	Samples in fridge
mike Kremin	10/06/12	1820	4.1°C	4.1°C	3.4°C	SAmples IN Fridge
Marciel Trejo	10/07/12	0700	3.7°C	3.8°C	3.6°C	Samples In Fridge
Abel Escobar	10/07/12	1818	3.6°C	3.9°C	3.5°C	Samples in fridge
Abel Escobar	10/08/12	0728	3.7°C	3.7°C	3.6°C	Samples in fridge
mike Kremin	10/09/12	1815	3.6°C	3.8°C	3.2°C	SAmples In Fridge
Abel Escobar	10/09/12	0715	4.0°C	4.0°C	3.4°C	Samplesinfridge
Marciel Trejo	10/09/12	~~1740~~ 1740 MT	3.6°C	3.6°C	3.5°C	Samples in Fridge
DAVE SUMMERS	10/10/12	0800	3.8°C	3.9°C	3.6°C	Samples IN Refrig
mike Kremin	11/02/12	0736	3.9°C	4.1°C	3.8°C	No SAmples In Refrig
mike Kremin	11/02/12	1815	4.1°C	4.1°C	3.5°C	SAmples In Refrig
DAVE SUMMERS	11/03/12	0915	3.7°C	3.9°C	3.6°C	Samples in Refrig
DAVE SUMMERS	11/03/12	1830	3.9°C	4.2°C	3.7°C	Samples in Refrig

SS 12-12-12

SS-12-00047

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AMWTP
Advanced Mixed Waste Treatment Project

Refrigerator Temperature Logsheet

Form-1585 Rev. 2
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Operator	Date	Time	Current Temperature	High Temperature Since Last Reading	Low Temperature Since Last Reading	Comments
DAVE SUMMERS	11/04/12	0714	4.1°C	4.2°C	3.7°C	Samples in Refrig
DAVE SUMMERS	11/04/12	1845	3.8°C	4.3°C	3.4°C	Samples in Refrig
DAVE SUMMERS	11/05/12	0657	3.3°C	3.9°C	3.2°C	Samples in Refrig

SSG12-00007
SS+ 12-12-12

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AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/30/12

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/08/12	0908	MTE-652	30.00 +/- .01g	30.00 g	Pass	
10/08/12	0909	MTE-651	50.00 +/- .01g	50.00 g	Pass	
10/08/12	0911	MTE-652 & 651	80.00 +/- .01g	80.00 g	Pass	
10/09/12	0952	MTE-652	30.00 +/- .01g	30.00 g	pass	
10/09/12	0953	MTE-651	50.00 +/- .01g	50.00 g	pass	
10/09/12	0954	MTE-652 & 651	80.00 +/- .01g	80.00 g	pass	
11/02/12	0732	MTE-652	30.00 +/- .01g	30.00 g	pass	
11/02/12	0733	MTE-651	50.00 +/- .01g	50.00 g	pass	
11/02/12	0734	MTE-651 & 652	80.00 +/- .01g	80.00 g	pass	
11/03/12	1000	MTE-652	30.00 +/- .01g	30.00 g	P285	
11/03/12	1000	MTE-650	50.00 +/- .01g	50.00g	P285	
11/03/12	1000	MTE-650 & 652	80.00 +/- .01g	80.00g	P285	
11/04/12	0735	MTE-652	30.00 +/- .01G	30.00 G	PASS	
11/04/12	0736	MTE-650	50.00 +/- .01G	50.00 G	PASS	
11/04/12	0739	MTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/05/12	0807	MTE-652	30.00 +/- .01G	30.00 G	PASS	
11/05/12	0808	MTE-650	50.00 +/- .01G	50.00 G	PASS	
11/05/12	0809	MTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	

SS 12-000007
S+ - WS 12-12-12

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AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-002 **Scale Calibration Expiration Date:** 08/31/2013

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/07/12	0933	MTE-649	50.00 +/- .01g	50.01 g	Pass	
10/07/12	0934	MTE-653	150.00 +/- .01g	150.00 g	Pass	
10/07/12	0935	MTE-648	400.00 +/- .01g	400.00 g	Pass	
10/08/12	0901	mTE-649	50.00 +/- .01g	50.00	PASS	
10/08/12	0902	mTE-653	150.00 +/- .01g	150.00	PASS	
10/08/12	0903	mTE-648	400.00 +/- .01g	400.00	PASS	
10/09/12	0845	mTE-649	50.00 +/- .01g	50.00	PASS	
10/09/12	0849	mTE-653	150.00 +/- .01g	150.00	PASS	
10/09/12	0850	mTE-648	400.00 +/- .01g	400.00	PASS	
11/02/12	0733	mTE-649	50.00 +/- .01g	50.00	PASS	
11/02/12	0738	mTE-653	150.00 +/- .01g	150.00	PASS	
11/02/12	0735	mTE-648	400.00 +/- .01g	400.00	PASS	
11/03/12	1043	mTE-648	400.00 +/- .01G	400.00	PASS	
11/03/12	1044	mTE-649	50.00 +/- .01G	50.00	PASS	
11/03/12	1045	mTE-653	150.00 +/- .01G	150.00	PASS	
11/04/12	0706	mTE-648	400.00 +/- .01G	400.00	PASS	
11/04/12	0707	mTE-649	50.00 +/- .01G	50.00	PASS	
11/04/12	0708	mTE-653	150.00 +/- .01G	150.00	PASS	
11/05/12	0818	MTE-649	50.00 +/- .01G	50.00	PASS	
11/05/12	0819	mTE-653	150.00 +/- .01G	150.00	PASS	
11/05/12	0820	mTE-648	400.00 +/- .01G	400.00	PASS	

SS-612-000007
03-12-12

600061

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00004

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☑	☐	☐	11/02/12	0731	M Kremin	VISIBLY CLEAN
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☐	☐	☑	11/02/12	0804	M Kremin	N/A NOT USED THIS SHIFT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☑	☐	☐	11/02/12	0739	M Kremin	CHECKS COMPLETED
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☑	☐	☐	11/02/12	0739	M Kremin	INSPECTION COMPLETED SAT
4b. Document any deficiencies in the comments section.						M Kremin	NO DEFICIENCIES
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/02/12	1004	M Kremin	WTS UPDATED
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summons	WTS updated

290032

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☑	11/2/12	1054	m Kremer	N/A
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☑	☐	☐	11/02/12	1054	m Kremer	VISIBLY CLEAN
7b. Were any defective sampling tools identified?	☐	☑	☐	11/02/12	1054	m Kremer	NO DEFECTIVE TOOLS
7c. Was the SS and SME notified?	☐	☐	☑	11/02/12	1054	m Kremer	N/A
7d. Was packaging or expendable sampling equipment intact prior to use?	☑	☐	☐	11/02/12	1054	m Kremer	PACKAGING INTACT
7e. Document any deficiencies by ID number in the comments section.						m Kremer	NO DEFICIENCIES

Cu1063

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 104615-97

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☑	11/02/12	1056	M Kremer	N/A
8b. Log the results in the comments section. **N/A for Grab sampling.**						M Kremer	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☑	☐	☐	11/02/12	1304	M Kremer	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☑	☐	☐	11/02/12	1350	M Kremer	Verified sampling completed in the Limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1110	M Kremer	N/A
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1110	M Kremer	N/A

Gen1054

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☑	11/02/12	1313	m Kramer	N/A INITIAL Sample
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☑	11/02/12	1313	m Kramer	N/A
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☑	☐	☐	11/02/12	1359	m Kramer	Verified
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☑	☐	☐	11/02/12	1359	m Kramer	Verified
14. Have custody seals been signed and dated?	☑	☐	☐	11/02/12	1425	m Kramer	Completed
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☑	☐	☐	11/02/12	1536	m K.	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☑	☐	☐	11/02/12	1605 ~~1330~~ 11/02/12	m Kramer	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☑	☐	☐	11/02/12	1536	m K.	Verified
18. The refrigerated sample storage area has been verified to be locked and secured.	☑	☐	☐	11/02/12	1630	m Kramer	Verified

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AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: **Automated Core** ☐ **Manual Core** ☐ **Container Grab** ☑

Batch Number: SSG12-00007

Sample Type: **Initial** ☑ **Co-located** ☐ **Resample** ☐ **Field Duplicate** ☐

Additional comments: 1 Drum Batch

Checklist completed by OT: Darby Summers (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

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AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☑	☐	☐	11/02/12	0731	M Kramer	visibly clean
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☐	☐	☑	11/02/12	0804	M Kramer	not used this shift
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☑	☐	☐	11/02/12	0735	M Kramer	checks completed
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☑	☐	☐	11/02/12	0739	M Kramer	Inspection completed AT
4b. Document any deficiencies in the comments section.						M Kramer	NO deficiencies
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/02/12	1004	M Kramer	WTS updated
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/05/12	1630	D Summers	WTS updated

10461597

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 2 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461594

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☑	11/02/12	1054	mKramer	N/A
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☑	☐	☐	11/02/12	1054	mKramer	VISIBLY CLEAN
7b. Were any defective sampling tools identified?	☐	☑	☐	11/02/12	1054	mKramer	NO DEFECTIVE TOOLS
7c. Was the SS and SME notified?	☐	☐	☑	11/02/12	1054	mKramer	N/A
7d. Was packaging or expendable sampling equipment intact prior to use?	☑	☐	☐	11/02/12	1054	mKramer	PACKAGING INTACT
7e. Document any deficiencies by ID number in the comments section.						mKramer	NO DEFICIENCIES

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Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☑	11/02/12	1056	M Kramer	N/A
8b. Log the results in the comments section. **N/A for Grab sampling.**						M Kramer	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☑	☐	☐	11/02/12	1304	M Kramer	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☑	☐	☐	11/02/12	1350	M Kramer	Verified sampling complete in 1 hr limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1310	M Kramer	N/A
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1310	M Kramer	N/A

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Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 104615-97

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00004

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☑	☐	11/02/12	1324	M Kramer	NO INCONSISTENCIES BETWEEN SAMPLES
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☑	11/02/12	1329	M Kramer	N/A
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☑	☐	☐	11/02/12	1345	M Kramer	Verified
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☑	☐	☐	11/02/12	1345	M Kramer	Verified
14. Have custody seals been signed and dated?	☑	☐	☐	11/02/12	1424	M Kramer	completed
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☑	☐	☐	11/02/12	1536	M Kramer	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☑	☐	☐	11/02/12	1625	M Kramer	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☑	☐	☐	11/02/12	1536	M Kramer	Verified
18. The refrigerated sample storage area has been verified to be locked and secured.	☑	☐	☐	11/02/12	1630	M Kramer	Verified

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 104615 [illegible]

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Additional comments: 1 Drum Batch

Checklist completed by OT: [illegible] (Print Name) [signature] (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) [signature] (Signature) 11/05/12 (Date)

GW0074

AMWTP Advanced Mixed Waste Treatment Project	#2	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597 **Sample Origin:** Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SS612-00007 **Sample Type:** Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	0745	D Summers	glovebox cleaned and inspected. NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	CHECKS SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	Scale checks SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	0745	D Summers	tools and Equipment Cleaned and inspected. NO Deficiencies NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kreimer	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

AMWTP Advanced Mixed Waste Treatment Project	#2	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 2 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1030	D Summers	N/A for OI-75 Grab Sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1045	D Summers	tools verified to be clean and packaging intact. NO DEFICIENCIES NOTED.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1045	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1045	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1045	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

AMWTP Advanced Mixed Waste Treatment Project	#2	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597 **Sample Origin:** Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007 **Sample Type:** Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1030	D Summers	N/A for OI-75 GRAB Sampling
8b. Log the results in the comments section. **N/A for Grab sampling.**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1047	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1127	D Summers	Unrifled sampling Completed within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1130	D Summers	N/A for OI-75 GRAB Sampling
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1130	D Summers	N/A for OI-75 GRAB Sampling

Cover 74

AMWTP Advanced Mixed Waste Treatment Project	#2	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1030	D Summers	Initial sample only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1030	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1200	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1200	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created and placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

570.075

AMWTP Advanced Mixed Waste Treatment Project	#2 AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: **Automated Core** ☐ **Manual Core** ☐ **Container Grab** ☒

Batch Number: SS612-00007

Sample Type: **Initial** ☒ **Co-located** ☐ **Resample** ☐ **Field Duplicate** ☐

Additional comments: 1 DRUM Batch Initial sample #2.

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Dorothy Cox (Print Name) _____ (Signature) 11/05/12 (Date)

SS0076

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1221	D Summers	Glovebox cleaned and inspected. NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	Checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	Scale check SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1221	D Summers	tools and equipment cleaned and inspected. NO Deficiencies NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kramer	WTS updated (Verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

C0107

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 2 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1221	D Summers	N/A for OI-75 Grab sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1221	D Summers	tools verified clean and packaging intact NO Deficiencies NOTED.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1221	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1221	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1221	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1221	DSUMNERS	N/A for OI-75 GRAB Sampling.
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Sumners	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1231	DSUMNERS	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1248	DSUMNERS	VERified sampling completed within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1231	DSUMNERS	N/A for OI-75 Grab Sampling
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1231	DSUMNERS	N/A for OI-75 GRAB Sampling

6700179

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1231	D Summers	Initial sample only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1231	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1303	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1303	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created and placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

080080

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 DRUM Batch Initial Sample #3

Checklist completed by OT: DAVEN SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

G-01061

AMWTP
Advanced Mixed Waste Treatment Project

#4

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1308	D Sumsion	glovebox clean and inspected NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Sumsion	Cl checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Sumsion	Scale check SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1308	D Sumsion	tools and Equipment Clean and inspected. NO Deficiencies noted.
4b. Document any deficiencies in the comments section.						D Sumsion	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kromin	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Sumsion	WTS updated

280082

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

	Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6.	Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1308	D Summers	N/A for OI-75 Grab Sampling
7a.	Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1308	D Summers	tools verified clean packaging intact. NO Deficiencies noted.
7b.	Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1308	D Summers	
7c.	Was the SS and SME notified?	☐	☐	☒	11/04/12	1308	D Summers	
7d.	Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1308	D Summers	
7e.	Document any deficiencies by ID number in the comments section.						D Summers	

C00053

AMWTP Advanced Mixed Waste Treatment Project	#4	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 3 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SS612-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1308	D Summers	N/A for OI-75 GRAB Sampling.
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1322	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1343	D Summers	Verified sampling completed within 1 hour Limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1322	D Summers	N/A for OI-75 GRAB Samplings
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1322	D Summers	N/A for OI-75 GRAB sampling

G-10054

AMWTP Advanced Mixed Waste Treatment Project

#4

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12 - 00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1322	D Summers	Initial sample only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1322	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1345	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1345	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created, placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

C-10065

AMWTP Advanced Mixed Waste Treatment Project	#4 AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 Drum Batch, Initial Sample #4

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

990099

AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1420	D Summers	glovebox inspected and Cleaned NO ISSUES NO T&D
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	Checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	scale check SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1420	D Summers	tools & equipment cleaned and inspected NO Deficiencies NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kazmin	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

G100057

AMWTP Advanced Mixed Waste Treatment Project	#5	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 2 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1420	D Summers	N/A for OI-75 Grab sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1420	D Summers	tools verified clean and packaging intact NO DEFICIENCIES NOTED
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1420	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1420	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1420	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

CW0088

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 Grab Sampling
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summons	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1421	D Summons	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1438	D Summons	Verified sampling complete within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 Grab sample
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 Grab sample

690059

AMWTP Advanced Mixed Waste Treatment Project	#5	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SS612-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1440	D Summers	Initial sample only.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1440	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1445	D Summers	Verified complete and correctly match WTS.
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1445	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created, placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

C1090

AMWTP Advanced Mixed Waste Treatment Project	#5	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 Drum Batch, Initial sample # 5.

Checklist completed by OT: Davey Summers (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

AMWTP Advanced Mixed Waste Treatment Project	**Independent Technical Reviewer Small Container Sampling Checklist**	Form-1858, Rev. 1 Effective: 05/29/08 Page 1 of 3

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the quality assurance (QA) documentation for the Batch Data Reports (BDR) complete and include data reports and quality checklist (QC) results? • Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist (manual review only) • Form-1858, Independent Technical Reviewer Small Container Sampling Checklist (Manual grab sampling review only) • Form-1491, Supplemental Batch Comment Form, as applicable • Associated nonconformance reports (NCRs)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Was each operator qualified at the time of each sampling event?	X			
4. Has the Chain of Custody (COC) been initiated properly filled out and is it complete?	X			
5. Was the E-signature History review performed?	X			
6. Were the samples and field duplicate based on a random selection method?	X			

600092

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? If any of these conditions have not been met, record the NCR number in the comments section. • Samples • Refrigeration	X			
8. Was the initial small container sample visually examined?	X			
9. Was the field duplicate visually compared to the first sample and were the results acceptable?	X			
10. Were the correct units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? • Was the sampling tools inspection satisfactory? • Was the sampling equipment protective wrapper intact? • Was the sampling area inspection satisfactory? • Were the sampling tools inspected after unwrapping?	X			
16. Were field duplicate samples collected at a frequency of one per sampling batch, as defined in INST-OI-75, Container-in-Container Sampling?	X			

600093

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet data quality objectives (DQOs) or quality assurance objectives (QAOs)? If so, indicate all NCR numbers in the batch comment section.		X		
18. Have the use of INST-OI-75, sampling equipment, and measurement units been consistent?	X			
19. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-75?	X			
20. Was the correct revision of the procedure documented on each analysis report?	X			
21. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
22. Were the rework requirements clearly identified in waste tracking system (WTS) or on the BDR?	X			See batch Comments.

ITR Print Name: Jay Simonson	ITR Signature: Jay T. Simonson	Date: 14 Nov 2012

600034

AMWTP Advanced Mixed Waste Treatment Project	**Independent Technical Reviewer Small Container Sampling Checklist** SUPERSEDED	Form-1858, Rev. 1 Effective: 05/29/08 Page 1 of 3

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the quality assurance (QA) documentation for the Batch Data Reports (BDR) complete and include data reports and quality checklist (QC) results? • Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist (manual review only) • Form-1858, Independent Technical Reviewer Small Container Sampling Checklist (Manual grab sampling review only) • Form-1491, Supplemental Batch Comment Form, as applicable • Associated nonconformance reports (NCRs)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Was each operator qualified at the time of each sampling event?	X			
4. Has the Chain of Custody (COC) been initiated properly filled out and is it complete?	X			
5. Was the E-signature History review performed?	X			
6. Were the samples and field duplicate based on a random selection method?	X			

SUPERSEDED

560035

SUPERSEDED

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? If any of these conditions have not been met, record the NCR number in the comments section. • Samples • Refrigeration	X			
8. Was the initial small container sample visually examined?	X			
9. Was the field duplicate visually compared to the first sample and were the results acceptable?	X			
10. Were the correct units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? • Was the sampling tools inspection satisfactory? • Was the sampling equipment protective wrapper intact? • Was the sampling area inspection satisfactory? • Were the sampling tools inspected after unwrapping?	X			
16. Were field duplicate samples collected at a frequency of one per sampling batch, as defined in INST-OI-75, Container-in-Container Sampling?	X			

SUPERSEDED

600036

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet data quality objectives (DQOs) or quality assurance objectives (QAOs)? If so, indicate all NCR numbers in the batch comment section.		X		
18. Have the use of INST-OI-75, sampling equipment, and measurement units been consistent?	X			
19. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-75?	X			
20. Was the correct revision of the procedure documented on each analysis report?	X			
21. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
22. Were the rework requirements clearly identified in waste tracking system (WTS) or on the BDR?			X	No rework required.

ITR Print Name: Jay Simonson	ITR Signature: Jay T. Simonson	Date: 13 Nov 2012

AMWTP Advanced Mixed Waste Treatment Project	Site Project Manager Small Container Sampling Checklist	Form-1859 Rev. 2 Effective: 12/29/10 Page 1 of 5

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response			Requirement	Comment
	YES	NO	N/A		
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives (QAOs) been met? Precision: • Has a field duplicate sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Tools (if required) – Sampling Equipment? Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • Were the containers randomly selected from the container population, the small container randomly selected and the grid location randomly selected prior to obtaining samples? Comparability • Was the correct version of INST-OI-75, Container-in-Container Sampling, used? Representativeness: • Was non-disposable sampling equipment cleaned prior to sampling?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

860039

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(4) Was the scale in calibration, and was a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the equipment blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the minimum detection limit (MDL) for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) and less than 3 times the program required detection limits (PRDLs) for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Were samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(7) Were samples collected within 14 days of the first sample of the batch?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(8) Were samples collected and containerized within one hour? If time was greater than one hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(9) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2 C3-10	

609039

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response			Requirement	Comment
	YES	NO	N/A		
(10) Is a physical description of the field duplicate included in the batch data report?	☒	☐	☐	MP-TRUW-8.2 Table C3-12	
(11) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, and random location of sample.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is the location (point of origin) where each sample was taken included in the batch data report (BDR)? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(14) Does the batch data report include a record of the analyses requested and identify the laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response			Requirement	Comment
	YES	NO	N/A		
(16) Does the data for all containers within this batch meet the following review, validation, and verification requirements? • Proper units (e.g. grams or liters) and significant figures used • The BDR is complete (all pages identified in the BDR and numbered accordingly) • WTS Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • WTS Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist • Form-1858, Independent Reviewer Small Container Sampling Checklist • Form-1491, Supplemental Batch Comment Form, as applicable. • Associated nonconformance reports (NCRs)	☒	☐	☐	MP-TRUW-8.2, C3-10b	
(17) Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	

600101

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response			Requirement	Comment
	YES	NO	N/A		
(18) Were the following inspections performed? • Was the sampling tool inspection satisfactory? • Was the sampling equipment protective wrapping intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(19) Is all data associated with this BDR acceptable for signature release?	☒	☐	☐	MP-TRUW-8.2, C3-10b(2)	

Comments:

SPM (Print Name): Kenny Burnside SPM Signature /Date:

Con't 02

AMWTP Advanced Mixed Waste Treatment Project	**Site Project Manager** **Small Container Sampling Checklist**	Form-1859 Rev. 2 Effective: 12/29/10 Page 1 of 5

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSG12-00007

Question	Response			Requirement	Comment
	YES	NO	N/A		
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives (QAOs) been met? Precision: • Has a field duplicate sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Tools (if required) – Sampling Equipment? Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • Were the containers randomly selected from the container population, the small container randomly selected and the grid location randomly selected prior to obtaining samples? Comparability • Was the correct version of INST-OI-75, Container-in-Container Sampling, used? Representativeness: • Was non-disposable sampling equipment cleaned prior to sampling?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

003103

Batch Data Report #: SSG12-00007

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(4) Was the scale in calibration, and was a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the equipment blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the minimum detection limit (MDL) for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) and less than 3 times the program required detection limits (PRDLs) for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Were samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(7) Were samples collected within 14 days of the first sample of the batch?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(8) Were samples collected and containerized within one hour? If time was greater than one hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(9) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2 C3-10	

600104

Batch Data Report #: SSG12-00007

Question	Response			Requirement	Comment
	YES	NO	N/A		
(10) Is a physical description of the field duplicate included in the batch data report?	☒	☐	☐	MP-TRUW-8.2 Table C3-12	
(11) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, and random location of sample.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is the location (point of origin) where each sample was taken included in the batch data report (BDR)? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(14) Does the batch data report include a record of the analyses requested and identify the laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

Batch Data Report #: SSG12-00007

Question	Response			Requirement	Comment
	YES	NO	N/A		
(16) Does the data for all containers within this batch meet the following review, validation, and verification requirements? • Proper units (e.g. grams or liters) and significant figures used • The BDR is complete (all pages identified in the BDR and numbered accordingly) • WTS Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • WTS Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist • Form-1858, Independent Reviewer Small Container Sampling Checklist • Form-1491, Supplemental Batch Comment Form, as applicable. • Associated nonconformance reports (NCRs)	☒	☐	☐	MP-TRUW-8.2, C3-10b	
(17) Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	

6001.06

Batch Data Report #: SSG12-00007

Question	Response			Requirement	Comment
	YES	NO	N/A		
(18) Were the following inspections performed? • Was the sampling tool inspection satisfactory? • Was the sampling equipment protective wrapping intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(19) Is all data associated with this BDR acceptable for signature release?	☐	☒	☐	MP-TRUW-8.2, C3-10b(2)	Demote batch to ITR to reconcile sample ID # 10468129 the sample requested states "Trip Blank" and the Grab Sample Comment states "initial sample #3 NHVOC".

Comments:

SPM (Print Name): _____ SPM Signature /Date: _____

603107

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/05/12	Davey Sumners Coring Operator	WMF-634, Coring Room S3114
2.	11/05/12	Davey Sumners Coring Operator	Closed per direction.
3.	11/13/12	Jay Simonson ITR	This batch was validated per MP-TRUW-8.8.
4.	11/13/12	Jay Simonson ITR	Level I validation complete.
5.	11/13/12	Jay Simonson ITR	Promoted to SPM.
6.	11/14/12	Kenny Burnside SPM	Demote batch to ITR to reconcile sample ID # 10468129 the sample requested states "Trip Blank" and the Grab Sample Comment states "initial sample #3 NHVOC"
7.	11/14/12	Jay Simonson ITR	Rework: Event ID (Core Sample) 694, Sample ID 10468129. "Trip Blank" was incorrectly entered in the Sample Requested field instead of "NHVOC." Please review and revise as necessary.
8.	11/14/12	Jay Simonson ITR	Demoted to Operations for rework.

Gm 11/08

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
9.	11/14/12	Jay Simonson ITR	Rework.
10.	11/14/12	Jay Simonson ITR	Rework was performed completely and satisfactorily by qualified operators.
11.	11/14/12	Jay Simonson ITR	Promoted to SPM.
12.	11/14/12	Jay Simonson Signature	Jay T. Simonson

11-12-12 SIV 600109

600109

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/14/12	Kenny Burnside	Demote batch to ITR to reconcile difference in Sample ID 10468129 the Sample Requested states "Trip Blank" but the Grab Sample Comment states "initial sample #3 NHVOC"

0001100

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/19/12	Kenny Burnside	SPM reviewed and approved. 11/19/12

2-21-13 US

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	720-497-1093
	Carlsbad, NM 88220	Date Sent:	12-18-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	Sampling BDR	11-15-12	117
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin — Linda Martin — 12.18.12
Signature — Printed Name — Date

Records Rejected [ ] _____ — _____ — _____
Signature — Printed Name — Date

Reason for Rejection:

Re-submittal: _____ — _____ — _____
Signature — Printed Name — Date

```
                    **********************
                    ***   TX REPORT    ***
                    **********************

TRANSMISSION OK

TX/RX NO                3125
DESTINATION TEL #       917204971093
DESTINATION ID          CHARLIE TURNER
ST. TIME                12/18 10:04
TIME USE                00'27
PAGES SENT                1
RESULT                  OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	720-497-1093
	Carlsbad, NM 88220	Date Sent:	12-18-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	Sampling BDR	11-15-12	117
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	12-26-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	SPM Checklist	12-26-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin (Signature) LINDA MARTIN (Printed Name) 12.26.12 (Date)

Records Rejected [ ] _____ (Signature) _____ (Printed Name) _____ (Date)

Reason for Rejection:

Re-submittal: _____ (Signature) _____ (Printed Name) _____ (Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2568
DESTINATION TEL #	917204971093
DESTINATION ID	CHARLIE TURNER
ST. TIME	12/26 14:53
TIME USE	00'29
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	12-26-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	SPM Checklist	12-26-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Table C6-3 Acceptable Knowledge (AK) Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Acceptable Knowledge (AK) Checklist[1]

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	GENERAL REQUIREMENTS					
134	Are the primary document(s) required in Permit Attachment C4 containing acceptable knowledge information available? (Section C4-2)	CCP-TP-005 S. 4.4	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)**	Y	During the week of November 11th 2013, the CTAC AK auditors participated in a recertification audit of the SRS CCP TRU waste program for both CH and RH TRU waste. The AK records for 5 distinct waste streams representing Summary Category Groups S3000, S4000, and S5000 for CH waste and S5000 for RH waste were reviewed in light of the WAP, WAC, TRAMPAC and WCPIP AK requirements. The 5 waste streams are CH S5000 SR-SWMF-HET-B, CH S3000 SR-W027-321M-HOM, CH S4000 SR-MD-SOIL and RH S5000 SR-RH-SDD.01 and SR-RH-221H.01

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01 **(AK-11)** Q&MIS Approvals for AK Summaries CCP-AK-SRS-12 R7, CCP-AK-SRS-14 R3, CCP-AK-SRS-8 R8, CCP-AK-SRS-630 R1 and CCP-AK-SRS-600 R1 **(AK-6)**		
135	Has the generator developed a methodology whereby a logical sequence of acceptable knowledge information that progresses from general facility to more detailed waste-specific information can be acquired? (Section C4-2)	CCP-TP-005 S. 4.0	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** AK Source Document Summaries for waste stream SR-SWMF-HET-B **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM **(AK-13)** AK Source Document Summaries for waste stream SR-MD-SOIL **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01 **(AK-15)** AK Source Document Summaries for waste stream SR-RH-221H.01 **(AK-16)**		
136	Does the site have adequate procedures in place to ensure that the Acceptable Knowledge process is adequately implemented? Do these procedures facilitate the mandatory traceability analysis performed for each Summary Waste Category Group examined during the audit? (Section C4-2)	CCP-TP-005 S. 4.0	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8	Y	The WAP required traceability exercise was performed on a total of 7 containers from the 5 waste streams. Selections included containers from both HSG sampling and analysis and solids sampling and analysis respectively. The specific containers are, SR-SWMF-HET-B SR607486 SR108180 SR-W027-321M-HOM SR500174 SR-MD-SOIL MDL0506566

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				(AK-3) CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** Waste Stream Profile Form and att. for waste stream SR-SWMF-HET-B **(AK-7)** Waste Stream Profile Form and att. for waste stream SR-W027-321M-HOM **(AK-8)** Waste Stream Profile Form and att. for waste stream SR-MD-SOIL **(AK-9)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-SDD.01 **(AK-10)** Draft Waste Stream Profile Form and att. for waste stream SR-RH-221H.01 **(AK-11)** AK Source Document Summaries for waste stream SR-SWMF-HET-B **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM **(AK-13)** AK Source Document Summaries for waste		MDL0506692 SR-RH-SDD.01 SDD076308 SR-RH-221H.01 SR526264

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				stream SR-MD-SOIL **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01 **(AK-15)** AK Source Document Summaries for waste stream SR-RH-221H.01 **(AK-16)** **Traceability BDRs** <u>RTR</u> SR4RTR0230 **(AK-37)** SR4RTR0301 **(AK-38)** SR4RTR0107 **(AK-39)** SRLBR0069 **(AK-40)** SRSRTR0573 **(AK-41)** SR4RTR0220 **(AK-42)** <u>VE</u> SRSRHVE13001 **(AK-43)** <u>HSG S&A</u> SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** <u>Solids S&A</u> SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Random Container Selection Memos **(AK-33)** HSG Summary Report (CIS) **(AK-34)** Solids S&A Random Container Selection Memo		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				(AK-35) Solids Summary Reports **(AK-36)** Waste Stream Characterization Checklists and AK Data Reconciliation **(AK-58)** IDC Container Screenshots for containers in waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-29)** AK Tracking Spreadsheet for CH waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL **(AK-27)** AK Tracking Spreadsheet for RH waste streams SR-RH-SDD.01 and SR-RH-221H.01 **(AK-28)** AK Attachment 8 container list for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-21)** Waste Container Input Forms for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-30)**		
137	Does the generator site's TRU mixed waste management program information clearly define (or provide a methodology for defining) waste categorization schemes	CCP-TP-005 S. 4.4, 4.2.2,	Y	CCP AK Summary Report for SRS Solid Waste	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	and terminology, provide a breakdown of the types and quantities of TRU mixed waste generated/stored at the site, and describe how waste is tracked and managed at the generator site (including historical and current operations? Do procedures ensure that waste streams are adequately identified? (Section C4-2a)	4.2.4, 4.2.5, 4.2.6 Att. 8 CCP-TP-001 S. 2.7 S. 4.1 S. 4.2		Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report for SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** IDC Container Screenshots for containers in waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-29)** AK Tracking Spreadsheet for CH waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL **(AK-27)**		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				AK Tracking Spreadsheet for RH waste streams SR-RH-SDD.01 and SR-RH-221H.01 **(AK-28)** AK Attachment 8 container list for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-21)**		
138	Does site documentation procedures indicate that the site will document, justify, and consistently define waste streams and assign EPA hazardous waste numbers? (Section C4-2b)	CCP-TP-005 S. 4.4.16- 4.4.21 Att. 5	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3, **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)**		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	REQUIRED AND ADDITIONAL INFORMATION					
140	Does the generator site document that the following must be included in the acceptable knowledge record: 1. Map of the site with the areas and facilities involved in TRU waste generation, treatment, and storage identified 2. Facility mission description as related to TRU waste generation and management (e.g., nuclear weapons research may involve metallurgy, radiochemistry, and nuclear physics operations that result in specific waste streams) 3. Description of the operations that generate TRU waste at the site (e.g., plutonium recovery, weapons design, or weapons fabrication) 4. Waste identification or categorization schemes used at the facility (e.g., item description codes, content codes) 5. Types and quantities of TRU mixed waste generated, including historical generation through future projections 6. Correlation of waste streams generated from the same building and process, as appropriate (e.g., sludge, combustibles, metals, and glass) 7. Waste certification procedures for retrievably stored and newly generated wastes to be sent to the WIPP facility (Section C4-2a)	**1-7** CCP-TP-005 S. 4.2.2 S. 4.4.5 Att. 1	Y	CCP-AK-SRS-12 **(AK-1)** CCP-AK-SRS-14 **(AK-2)** CCP-AK-SRS-8 **(AK-3)** CCP-AK-SRS-630 **(AK-4)** CCP-AK-SRS-*600* **(AK-5)** **1.** S. 4.1, figures 1, 2, 5 **(AK-1)** S. 4.1, figures 1-3 **(AK-2)** S. 4.1, figures 1,3,4 **(AK-3)** S. 4.1, figures 1,2 **(AK-4)** S. 4.1, figures 1-3 **(AK-5)** **2.** S. 4.1.3 **(AK-1)** S. 4.3 **(AK-2)** S. 4.2 **(AK-3)** S. 4.3 **(AK-4)** S. 4.3 **(AK-5)** **3.** S. 4.3 **(AK-1)** S. 4.6 **(AK-2)** S. 4.3 **(AK-3)** S. 4.7 **(AK-4)** S. 4.7 **(AK-5)** **4.** S. 4.5 **(AK-1)** S. 4.7.2 **(AK-2)** S. 4.5 **(AK-3)** S. 4.6.3 **(AK-4)** S. 6.3 **(AK-5)** **5.** S. 4.7 **(AK-1)** S. 4.7.1 **(AK-2)** S. 4.4.1 **(AK-3)** S. 4.6.1 **(AK-4)** S. 4.6.1 **(AK-5)** **6.** S. 4.6 **(AK-1)** S. 4.7.3 **(AK-2)** S. 4.4.2 **(AK-3)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				S. 4.6.2 **(AK-4)** S. 4.6.2 **(AK-5)** **7.** S. 4.8 **(AK-1)** S. 4.8 **(AK-2)** S. 4.6 **(AK-3)** S. 4.8 **(AK-4)** S. 4.8 **(AK-5)**		
141	Does the generator site document that the following shall be collected for each waste stream: A. Area(s) and/or building(s) from which the waste stream was or is generated B. Waste stream volume and time period of generation (e.g., 100 standard waste boxes of retrievable stored waste generated from June 1977 through December 1977) C. Waste generating process described for each building (e.g., batch waste stream generated during decommissioning operations of glove boxes), including processes associated with U134 waste generation, if applicable. D. Documentation demonstrating how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mined waste) E. Process flow diagrams (e.g., a diagram illustrating glove boxes from a specific building to a size reduction facility to a container storage area). In the case of research/development, analytical laboratory waste, or the similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included if this modification is justified and the justification is placed in the auditable record F. Material inputs or other information that identifies the chemical content of the waste stream and the physical waste form (e.g., glove box materials and chemical handled during glove box operations, events or processes that may have modified the chemical or physical properties of the waste stream after generation, data obtained through visual examination of newly generated waste that later undergoes radiography; information demonstrating neutralization of U134 [hydrofluoric acid] and waste compatibility. (Section C4-2b)	**A-F** CCP-TP-005 S. 4.2.4 S. 4.4.5 Att. 1	Y	CCP-AK-SRS-12 **(AK-1)** CCP-AK-SRS-14 **(AK-2)** CCP-AK-SRS-8 **(AK-3)** CCP-AK-SRS-630 **(AK-4)** CCP-AK-SRS-600 **(AK-5)** **A.** S. 6.1 **(AK-1)** S. 6.1 **(AK-2)** S. 6.1 **(AK-3)** S. 5.1 **(AK-4)** S. 5.1 **(AK-5)** **B.** S. 6.2 **(AK-1)** S. 6.2 **(AK-2)** S. 6.2 **(AK-3)** S. 5.2 **(AK-4)** S. 5.2 **(AK-5)** **C.** S. 6.3 **(AK-1)** S. 6.3 **(AK-2)** S. 6.3 **(AK-3)** S. 5.3 **(AK-4)** S. 5.3 **(AK-5)** **D.** S. 6.4.3 **(AK-1)** S. 6.4.3 **(AK-2)** S. 6.4.3 **(AK-3)** S. 5.4.3 **(AK-4)** S. 5.4.3 **(AK-5)** **E.** AK Source Document Summaries for waste stream SR-SWMF-HET-B, P049 **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM,P036 **(AK-13)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				AK Source Document Summaries for waste stream SR-MD-SOIL , P099 **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01, P001, P002 **(AK-15)** Figures 8-13 **(AK-5)** **F.** S. 6.4.1, 6.4.3, tables 6-1, 6-3 **(A**K-1**)** S. 6.4.1, 6.4.3, tables 6-1, 6-4, 6-5 **(AK-2)** S. 6.4.1, 6.4.3, tables 6-2, 6-4 **(AK-3)** S. 5.4.1, 5.4.3, table 2 **(AK-4)** S. 5.4.1, 5.4.3 tables 1, 3, 4, 5 **(AK-5)**		
142	Do site documents/procedures require that the facility will provide a summary to the Permittees that summarizes all information collected, including basis and rationale for all waste stream designations? Is an example of this summary available for audit review? If discrepant hazardous waste data exist in required information, do sites consider applying all hazardous waste numbers, but assess and evaluate the information to determine the appropriate hazardous waste number consistent with RCRA requirements? (Section C4-2b)	CCP-TP-005 S. 4.4 S. 4.9	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** AK Discrepancy Resolutions in the AK Record **(AK-22)**		
143	Do site procedures indicate that if the required AK information is not available for a particular waste stream, that the waste stream will not be eligible for an AK Sufficiency Determination? (Section C4-2)	CCP-TP-005 S. 4.2 S. 4.4 S. 4.7	Y	AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
144	Have the following procedures been prepared?: A. Procedures for identifying and assigning the physical waste form of the waste B. Procedures for delineating waste streams and assigning Waste Matrix Codes C. Procedures for resolving inconsistencies in acceptable knowledge documentation D. Procedures for headspace gas sampling and analysis, visual examination and/or radiography, and homogeneous waste sampling and analysis, if applicable E. For newly generated waste, procedures describing process controls used to ensure prohibited items (specified in the WAP, Permit Attachment C) are documented and managed F. Procedures to ensure radiography and visual examination include a list of prohibited items that the operator shall verify are not present in each container (e.g. liquid exceeding TSDF-WAC limits, corrosives, ignitables, reactives, and incompatible wastes) G. Procedures to document how changes to Waste Matrix Codes, waste stream assignment, and associated Environmental Protection Agency hazardous waste numbers based on material composition are documented for any waste H. Procedures that ensure the assignment of EPA hazardous waste numbers is appropriate, consistent with RCRA requirements, and adequately considers site historical waste management I. Procedures for estimating waste material parameter weights (Section C4-2b)	**A.** CCP-TP-005 S. 4.4.13 S. 4.4.14 **B.** CCP-TP-005 S. 4.4.11 NOTE above S. 4.4.12 **C. & G.** CCP-TP-005 S. 4.9 **D.** CCP-TP-093 (All) **E. & F.** N/A **H.** CCP-TP-005 S. 4.4.16 -4.4.21 **I.** CCP-TP-005 S. 4.4.27	Y	CCP-AK-SRS-12 **(AK-1)** CCP-AK-SRS-14 **(AK-2)** CCP-AK-SRS-8 **(AK-3)** CCP-AK-SRS-630 **(AK-4)** CCP-AK-SRS-600 **(AK-5)** **A.** S. 6.4.1, table 6-1 **(AK-1)** S. 6.4.1, table 6-1 **(AK-2)** S. 6.4.1, table 6-2 **(AK-3)** S. 5.4.1, table 2 **(AK-4)** S. 5.4.1 table 1 **(AK-5)** **B.** S. 2.2, 6.4.1.1 **(AK-1)** S. 2.2, 6.4.1.1 **(AK-2)** S. 2.2, 6.4.1.1 **(AK-3)** S. 2.0, 5.4.1.1 **(AK-4)** S. 2.1, 5.4.1.1 **(AK-5)** **C.** AK Discrepancy Resolutions in the AK Record **(AK-22)** **D.** SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)** **E. & F.** N/A **G.** AK Discrepancy Resolutions in the AK Record **(AK-22)** AK Discrepancy Resolutions at	Y **E. & F.** N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL. Solids sampling and analysis are performed by INL. **F.** For RTR/VE refer to C6-2 dated March 13, 2013. **E.** No newly generated waste streams were examined by the AK auditors during this audit

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Characterization and AK Reevaluations **(AK-23)** **H.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)** **I.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.1.2, table 6-1 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.1.2, table 6-1 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.1.2, table 6-2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.1.2, table 2 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 6.4.1.2, table 1 **(AK-5)** Memos attached to AK Att. 6, Waste Form, Waste Material		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)**		
145	Does the generator provide procedures or WRitten commitment to collect additional acceptable knowledge information, as available and as necessary to augment mandatory information? (Section C4-2c)	CCP-TP-005 S. 4.2.5 Att.1	Y	AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
145a	For waste containers that belong to LANL sealed sources waste streams, and for which headspace gas sampling and analysis is not required, are there procedures in place to assure the collection of the following additional AK? A. Documentation that the waste container contents meet the definition of sealed sources per 10 CFR 30.4 and 10 CFR 35.2 (effective January 1, 2004) B. Documentation of the certification of the sealed sources as U.S. Department of Transportation Special Form Class 7 (Radioactive) Material per 49 CFR 173.403 (effective October 1, 2003) C. Documentation of contamination survey results that validate the integrity of each sealed source per 10 CFR 34.27 (effective January 1, 2004). D. AK documentation does not indicate the use of VOCs or VOC-bearing materials as constituents of the sealed sources. E. The outer casing of each sealed source must be of a non-VOC bearing material, which must be verified at the time of packaging. F. AK documentation that includes but is not limited to, as available and as necessary to determine the hazardous constituents associated with sealed sources, the following: source manufacturer's sales catalogues, original purchase records, source manufacturer's fabrication documents, source manufacturer's drawings, source manufacturer's fuel capture assembly reports, source manufacturer's operational procedures for cleanliness requirements, source manufacturer's shipping documents, source manufacturer's welding records, transuranic batch material records, and information from national databases (e.g., NMMSS). All of this information may not and need not be available for each source, but sufficient information must be included in the auditable record to derive an adequate understanding of source construction and history to ensure that no VOCs are present in association with the sealed source itself that would render the source hazardous. If AK data indicate that assignment of a hazardous waste number related to organic materials is required in association with a source, this specific source will be assigned to a separate waste stream and that waste stream will be subject to headspace gas sampling unless a separate AK Sufficiency Determination is approved for the waste stream. (Section C4-2c)	N/A	N/A	N/A	N/A	This is not a LANL audit
146	Does the generator site document that all additional specific, relevant information used in the acceptable knowledge process will be identified and its use explained? Is all necessary information assembled and has it been appropriately used? (Section C4-2c)	CCP-TP-005 S. 4.2.5 Att.1	Y	AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
147	Does the generator site discrepancy analysis documentation (for acceptable knowledge additional and required documentation) indicate that if discrepancies are detected, the site may consider applying all hazardous waste numbers indicated in the required and additional information, but must assess and evaluate the information to determine the appropriate hazardous waste numbers consistent with RCRA requirements? (Section C4-2c)	CCP-TP-005 S. 4.9	Y	AK Discrepancy Resolutions in the AK Record **(AK-22)**	Y	
	TRAINING					
148	Does the generator site have procedures to ensure that all personnel involved with acceptable knowledge waste characterization have the following training, and is this training documented? A. WIPP WAP in Permit Attachment C and the TSDF-WAC specified in this permit B. State and Federal RCRA regulations associated with solid and hazardous waste characterization C. Discrepancy resolution and reporting D. Site-specific procedures associated with waste characterization using acceptable knowledge (Section C4-3a)	CCP-QP-002 S. 4.2.1	Y	SPM and AKE Training Records **(GEN-24)**	Y	
	PROCEDURES					
149	Has the generator site developed the following procedures, and are these procedures technically sufficient? A. Sites must prepare and implement a written procedure outlining the specific methodology used to assemble acceptable knowledge records, including the origin of the documentation, how it will be used, and any limitations associated with the information (e.g., identify the purpose and scope of a study that included limited sampling and analysis data). B. Sites must develop and implement a written procedure to compile the required acceptable knowledge record. C. Sites must develop and implement a written procedure that ensures unacceptable wastes (e.g., reactive, ignitable, corrosive) are identified and segregated from TRU mixed waste populations sent to WIPP. D. Sites must prepare and implement a written procedure to evaluate acceptable knowledge and resolve discrepancies. For example, if different sources of information indicate different hazardous wastes are present, then sites must include all sources of information in its records and may choose to either conservatively assign hazardous waste numbers, or assign only	**A-D)** CCP-TP-005 S. 4.2, 4.3, 4.4 & 4.9 CCP-TP-001 S. 2.7, 4.1 & 4.2 CCP-TP-500 (All)	Y	**A.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	those numbers deemed appropriate and consistent with RCRA requirements. All information used to justify assignment of hazardous waste numbers must be placed in the auditable record. Further, the assignment of hazardous waste numbers shall be tracked in the auditable record to all required documentation.			**(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** AK Source Document Summaries for waste stream SR-SWMF-HET-B **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM **(AK-13)** AK Source Document Summaries for waste stream SR-MD-SOIL **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01 **(AK-15)** AK Source Document Summaries for waste stream SR-RH-221H.01 **(AK-16)** **B.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** **C.** AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)** NCRs for prohibited items **(AK-24)** IDC database with “reject” field **(AK-29)** Container inspection reports **(AK-26)** “Hold” tag **(AK-25)** **D.** AK Discrepancy Resolutions in the AK Record		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				(AK-22)		
149a	E. Sites must prepare and implement a WRitten procedure to identify hazardous wastes and assign the appropriate hazardous waste numbers to each waste stream. The following are minimum baseline requirements/standards that site-specific procedures must include to ensure comparable and consistent characterization of hazardous waste: 1. Compile all of the required information in an auditable record. 2. Review the compiled information and delineate waste streams. Delineation of waste streams must comply with the WAP definition in Permit Attachment C, Section C-0a, and justify combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream. 3. Review the compiled information to determine if the waste stream is compliant with the TSDF-WAC 4. Review the required information to determine if the waste is listed under 20.4.1.200 NMAC (incorporating 40 CFR 261), Subpart D. Assign all listed hazardous waste numbers, unless the site chooses to justify an alternative assignment and document the justification in the auditable record. 5. Review the required information to determine if the waste exhibits a hazardous characteristic or may contain hazardous constituents included in the toxicity characteristics specified in 20.4.1.200 NMAC (incorporating 40 CFR 261, Subpart C. If a toxicity characteristic contaminant is identified and is not included as a listed waste, sites may evaluate available data and assign the toxicity characteristic hazardous waste number consistent with RCRA requirements. All data examined to reach the hazardous waste number determination must be placed in the auditable record and must present a clear justification for the hazardous waste number analyses. 6. Review the compiled information to provide an estimate of the material parameter weights for each container to be stored or disposed of at WIPP. For newly generated waste, procedures shall be developed and implemented to characterize hazardous waste using acceptable knowledge prior to packaging.	**E.1 - E.6** CCP-TP-005 S. 1.1, 4.2, 4.3 & 4.4 CCP-TP-500 S. 4.4	Y	**E1.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** **E2.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 2.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				321M-HOM, CCP-AK-SRS-14 R3, S. 2.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 2.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 2.0 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 2.1 **(AK-5)** AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)** **E3.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3.5, 6.4.3.6, 6.4.4 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SRS-14 R3, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3.6, 6.4.3.7, 6.4.4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3.5, 5.4.4, 5.4.5 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01,CCP-AK-SRS-600 R1, S. 6.4.3.5, 6.4.4, 6.4.5 **(AK-5)** NCRs for prohibited items **(AK-24)** Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)** **E4&5.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3, table 6-3		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				(AK-1) CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.3, tables 6-4, 6-5 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.3, table 6-4 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3, **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)** **E6.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.1.2, table 6-1 **(AK-1)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 6.4.1.2, table 6-1 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 6.4.1.2, table 6-2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.1.2, table 2 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 6.4.1.2, table 1 **(AK-5)** Memos attached to AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-20)**		
149b	F. Sites shall ensure that results of audits of the TRU mixed waste characterization programs at the site are available in the records. G. Sites shall identify all process controls (implemented to ensure that the waste contains no prohibited items and to control hazardous waste content	**F.** CCP-PO-001 S. C4-3f, C4-3b	Y	**F.** Internal Audit **(AK-31)** **G.** AK Source Document	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	and/or physical form) that have been applied to retrievably stored waste and/or may presently be applied to newly generated waste. Process controls are applied at the time of waste generation/packaging to control waste content, whereas any activities performed after waste generation/packaging to identify prohibited items, hazardous waste content, or physical form are waste characterization activities, not process controls. The AK record must contain specific process control and supporting documentation identifying when these process controls are used to control waste content. See Permit Attachment C, Section C-2 for programmatic requirements related to process controls. (Section C4-3b)	CCP-QP-021 (All) WP 13-QA.03 (All) **G.)** CCP-TP-005 S. 4.2 - 4.4 & Att. 1		Summaries for waste stream SR-SWMF-HET-B,P050 **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM,P162 **(AK-13)** AK Source Document Summaries for waste stream SR-MD-SOIL, P117 **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01, P002 **(AK-15)**		
150	Does the site have implemented procedures which comply with the following criteria to establish acceptable knowledge records: A. Acceptable knowledge information shall be compiled in an auditable record, including a road map for all applicable information. B. The overview of the facility and TRU mixed waste management operations in the context of the facility's mission shall be correlated to specific waste stream information. C. Correlations between waste streams, with regard to time of generation, waste generating processes, and site-specific facilities shall be clearly described. For newly generated wastes, the rate and quantity of waste to be generated shall be defined. D. A reference list shall be provided that identifies documents, databases, Quality Assurance protocols, and other sources of information that support the acceptable knowledge information. E. Container inventories for TRU mixed waste in retrievable storage shall be delineated into waste streams by correlating the container identification to all of the required and additional AK information. (Section C4-3c)	**A-E** CCP-TP-005 S. 1.1, 4.2, 4.3, 4.4, 4.10, 4.11 & Atts. 1, 4 & 8 CCP-TP-001 S. 2.7	Y	**A.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)** **B.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 4.1.2, 4.1.3, 4.4, 6.4 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 4.2, 4.3, 4.7, 6.4 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 4.1.2, 4.2, 4.4, 6.4, **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 4.2, 4.3, 4.6, 5.4 **(AK-4)** CCP AK Summary Report		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 4.2, 4.3, 4.6, 5.4 **(AK-5)** **C.** CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 4.3, 4.6, 6.1, 6.2 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3, S. 4.6, 4.7.3, 6.1, 6.2 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8, S. 4.3, 4.4.2, 6.1, 6.2 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 4.6.2, 4.7, 5.1, 5.2 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 4.6.2, 4.7, 5.1, 5.2 **(AK-5)** **D.** AK Information List for	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-18)** **E.** IDC Container Screenshots for containers in waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-29)** AK Tracking Spreadsheet for CH waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL **(AK-27)** AK Tracking Spreadsheet for RH waste streams SR-RH-SDD.01 and SR-RH-221H.01 **(AK-28)** AK Attachment 8 container list for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-21)**		
151	If the generator site submitted an AK Sufficiency Determination Request for a specific waste stream, did the site provide all of the requisite information including the identification of the applicable scenario for which approval is sought? (Section C-0b)	CCP-TP-005 S. 4.7	Y	N/A	N/A	An AK Sufficiency Determination is not being sought for any SRS waste streams at this time.
	AUGMENTATION OF ACCEPTABLE KNOWLEDGE					
152	Does the generator site have WRitten procedures for the augmentation of all acceptable knowledge information using sampling and analysis. Sampling and analysis consists of radiography, visual examination, headspace gas, and	CCP-TP-005 S. 4.4, 4.5 & 4.7	Y	CCP AK Summary Report for SRS Solid Waste Management Facility,	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	homogeneous waste sampling and analysis. Do site procedures indicate that the following sampling and analysis will be conducted based upon the results of the Determination Request Any scenario denied - 100% RTR or VE and statistical HSG or solids S&A Scenario 1 Granted -No sampling and analysis radiography/visual examination is required Scenario 2 Granted-Radiography/visual examination is not required but statistical HSG or solids S&A is required Scenario 3 Granted-100% RTR or VE is required, sampling and analysis is not required (Section C4-1, C-0b)	CCP-TP-003 S. 4.0		waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7 **(AK-1)** CCP AK Summary Report for SRS Fuel Fabrication Facility TRU Waste, waste stream SR-W027-321M-HOM, CCP-AK-SRS-14 R3 **(AK-2)** CCP AK Summary Report for Mound Site TRU Waste Stored at SRS, waste stream SR-MD-SOIL, CCP-AK-SRS-8 R8 **(AK-3)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream SR-RH-SDD.01, CCP-AK-SRS-630 R1 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1 **(AK-5)** <u>RTR</u> SR4RTR0230 **(AK-37)** SR4RTR0301 **(AK-38)** SR4RTR0107 **(AK-39)** SRLBR0069 **(AK-40)** SRSRTR0573 **(AK-41)** SR4RTR0220 **(AK-42)** <u>VE</u> SRSRHVE13001 **(AK-43)** <u>HSG S&A</u> SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** <u>Solids S&A</u> SSC11-00008 **(AK-48)**		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Random Container Selection Memos **(AK-33)** HSG Summary Report (CIS) **(AK-34)** Solids S&A Random Container Selection Memo **(AK-35)** Solids Summary Reports **(AK-36)** Waste Stream Characterization Checklists and AK Data Reconciliation **(AK-58)**		
155	Does the generator site have procedures for reevaluating acceptable knowledge if the results of the waste characterization indicate that the waste to be shipped does not match the approved waste stream or if the data from radiography or visual examination for waste streams without an AK Sufficiency Determination exhibit this discrepancy? Does this procedure describe how the waste is reassigned, acceptable knowledge reevaluation, and appropriate hazardous waste numbers are assigned? (Section C4-3e)	CCP-TP-005 S. 4.8 S. 4.9 Att. 10	Y	AK Discrepancy Resolutions at Characterization and AK Reevaluations **(AK-23)**	Y	
156	Do site procedures indicate that debris wastes are assigned toxicity characteristic EPA numbers based on AK regardless of the quantity or concentration? (C4-3e)	CCP-TP-005 S. 4.4.17 Att. 5	Y	CCP AK Summary Report for SRS Solid Waste Management Facility, waste stream SR-SWMF-HET-B, CCP-AK-SRS-12 R7, S. 6.4.3.1,6.4.3.2, table 6-3 **(AK-1)** CCP AK Summary Report for SRS Physics Laboratory Sealed Sources, waste stream	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SR-RH-SDD.01, CCP-AK-SRS-630 R1, S. 5.4.3.2 **(AK-4)** CCP AK Summary Report fort SRS RH TRU Waste, waste stream SR-RH-221H.01, CCP-AK-SRS-600 R1, S. 5.4.3.2, tables 3, 4, 5 **(AK-5)** AK Att. 5, Hazardous Constituents for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-19)**		

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	CRITERIA FOR ASSEMBLING AN ACCEPTABLE KNOWLEDGE RECORD DELINEATING THE WASTE STREAM					
158	If wastes are reassigned to a different waste matrix code based on site visual examination or radiography or Permittee confirmation activities, does the generator site have written documentation to ensure that the following steps are followed: A. Review existing information based on the container identification number and document all differences in hazardous waste number assignments B. If differences exist in the hazardous waste numbers that were assigned, reassess and document all required acceptable knowledge information (Section C3-b) associated with the new designation C. Reassess and document all sampling and analytical data associated with the waste D. Verify and document that the reassigned waste matrix code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during radiography or visual examination E. Record all changes to acceptable knowledge records F. If discrepancies exist in the acceptable knowledge information for the revised waste matrix code, document the segregation of the affected portion of the waste stream, and define the actions necessary to fully characterize the waste (Section C4-3e)	CCP-TP-005 S. 4.8 S. 4.9 Att. 10	Y	AK Discrepancy Resolutions at Characterization and AK Reevaluations **(AK-23)**	Y	
161	Do site procedures ensure that headspace gas and solid/soil analytical data are used to resolve AK assignments for hazardous waste, as necessary? If a constituent is detected in headspace gas that the site believes isn't from the waste process, the site must provide documentation to support any determination that organic constituents are associated with packaging materials, radiolysis, or other uses not consistent with solvent use. If the source of the detected headspace gas solvents cannot be identified, the appropriate F listing will be assigned. If a constituent in a listed waste is present in solid/soil analytical results, the appropriate listed waste shall be added to the waste stream. F-listed waste assigned by acceptable knowledge shall not be removed based on headspace gas or solids analysis. In the case of totals/TCLP analysis, do procedures reflect the allowance for concentration assessments, wherein sites may add or remove total/TCLP and non-toxic F003 constituents found in headspace and solid/soil analyses? (Section C4-3e)	CCP-TP-005 S. 4.5 S. 4.8 S. 4.9 CCP-TP-003 S. 4.0	Y	<u>HSG S&A</u> SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** <u>Solids S&A</u> SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Summary Report (CIS) **(AK-34)**	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Solids Summary Reports **(AK-36)**		
162	If sampling and analysis conducted to augment AK determines that a hazardous constituent as identified in headspace gas sampling or soil/homogeneous waste sampling is present in the waste, does the generator site indicate that they will: 1) assign the hazardous waste number to the entire waste stream as applicable, or 2) segregate drums containing detectable concentrations of solvent into a separate waste stream, and assign applicable hazardous waste numbers? (Section C4-3e)	CCP-TP-005 S. 4.5 S. 4.8 S. 4.9 CCP-TP-003 S. 4.0	Y	HSG S&A SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** Solids S&A SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Summary Report (CIS) **(AK-34)** Solids Summary Reports **(AK-36)**	Y	
163	Does the generator site document, justify, and consistently delineate waste streams and assign hazardous waste numbers based on site specific permit requirements or state-enforced agreements? (Section C4-3e)	CCP-TP-005 S. 4.4, 4.5 Att. 1	Y	N/A	N/A	There are no applicable State hazardous waste codes for South Carolina
164	Does the generator site have WRitten methodologies for determining the mean concentration of solvent VOCs detected by either headspace gas analysis or homogeneous waste sampling for each waste stream or waste stream lot, and are all data ("U" flags designated as one half the MDL and "J" flags, which are less than the PRQL but greater than the MDL)? (Section C4-3e)	CCP-TP-003 Att. 3 & 4	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, Rev. 1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SSG12-00007 ALD12030V ALD12030S ALD12030N ALD12030M ALD12030F ALD12030H SSC12-00006 ALD12031V	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				ALD12031S ALD12031N ALD12031M **(GEN-6)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**		
165	Do procedures ensure that spent solvent assignments are made by using the UCL_{90} (of mean concentration), and comparing this with the PRQLs? If the UCL_{90} exceeds the PRQL, is acceptable knowledge reevaluated and determine potential source of the constituent? (Section C4-3e)	CCP-TP-005 S. 4.5 S. 4.8 S. 4.9 CCP-TP-003 S. 4.0	Y	HSG S&A SRHSG1301 **(AK-44)** ECL13001M **(AK-45)** SRHSG1211 **(AK-46)** ECL12019M **(AK-47)** Solids S&A SSC11-00008 **(AK-48)** ALD11026V **(AK-49)** ALD11026S **(AK-50)** ALD11026M **(AK-51)** ALD11026N **(AK-52)** SSG12-00007 **(AK-53)** ALD12030V **(AK-54)** ALD12030S **(AK-55)** ALD12030M **(AK-56)** ALD12030N **(AK-57)** HSG Summary Report (CIS) **(AK-34)** Solids Summary Reports **(AK-36)**	Y	
167	Does the site have written procedures for situations where concentrations of some VOCs are orders of magnitude higher than other target analytes? In these cases, elevated MDLs may be generated, and those constituents with an elevated MDL but "U" designation will not be used in mean calculations. (Section C4-3e)	CCP-TP-003 S. 4.2	Y	SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL and is evaluated at the Project Office.

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	DATA QUALITY REQUIREMENTS					
168	Are acceptable knowledge processes consistently applied among all generator sites, and does each generator site comply with the following data quality requirements for acceptable knowledge documentation: A. Precision - Precision is the agreement among a set of replicate measurements without assumption of the knowledge of a true value. The qualitative determinations, such as compiling and assessing acceptable knowledge documentation, do not lend themselves to statistical evaluations of precision. However, the acceptable knowledge information will be addressed by the independent review of acceptable knowledge information during internal and external audits. B. Accuracy - Accuracy is the degree of agreement between an observed sample result and the true value. The percentage of waste containers which require reassignment to a new waste matrix code and/or designation of different hazardous waste numbers based on sampling and analysis data and discrepancies identified by the Permittees during waste confirmation will be reported as a measure of acceptable knowledge accuracy. C. Completeness - Completeness is an assessment of the number of waste streams or number of samples collected to the number of samples determined to be useable through the data validation process. The acceptable knowledge record must contain 100 percent of the information (Permit Attachment C4-3) The usability of the acceptable knowledge information will be assessed for completeness during audits. D. Comparability - Data are considered comparable when one set of data can be compared to another set of data. Comparability is ensured through sites meeting the training requirements and complying with the minimum standards outlined for procedures that are used to implement the acceptable knowledge process. All sites must assign hazardous waste numbers in accordance with Permit Attachment C4-4 and provide this information regarding its waste to other sites who store or generate a similar waste stream.	**A.** CCP-PO-001 S. C4-3f CCP-QP-021 (All) WP 13-QA.03 (All) **B.** CCP-TP-005 S. 4.6 **C.** CCP-TP-005 S. 4.0 **D.** CCP-TP-005 S. 2.2 S. 4.4 CCP-QP-002 S. 4.2.1	Y	. **A.** Internal Audit **(AK-31)** **B.** AK Accuracy Reports **(AK-32)** **C.** AK Documentation Checklist, Attachment 1, for waste streams SR-SWMF-HET-B, SR-W027-321M-HOM, SR-MD-SOIL, SR-RH-SDD.01 and SR-RH-221H.01 **(AK-17)** **D.** SPM and AKE Training Records **(GEN-24)**	Y	
	E. Representativeness - Representativeness expresses the degree to which sample data accurately and precisely represent characteristics of a population. Representativeness is a qualitative parameter that will be satisfied by ensuring that the process of obtaining, evaluating, and documenting acceptable knowledge information is performed in accordance with the minimum standards established in Permit Attachment C4. Sites also must assess and document the limitations of the acceptable knowledge information used to assign hazardous waste numbers (e.g., purpose and scope of information, date of publication, type and extent to which waste parameters are addressed).	**E.** CCP-TP-005 S. 2.2 S. 4.0 CCP-QP-002 S. 4.2.1	Y	**E.** SPM and AKE Training Records **(GEN-24)** AK Source Document Summaries for waste stream SR-SWMF-HET-B **(AK-12)** AK Source Document Summaries for WR-W027-321M-HOM **(AK-13)** AK Source Document	Y	

	WAP Requirement[2] SRS/CCP Recertification Audit A-14-04 Table C6-3 Acceptable Knowledge (AK) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	(Section C3-9)			Summaries for waste stream SR-MD-SOIL **(AK-14)** AK Source Document Summaries for waste stream SR-RH-SDD.01 **(AK-15)** AK Source Document Summaries for waste stream SR-RH-221H.01 **(AK-16)**		
169	Does the generator site address quality control by tracking its performance with regard to the use of acceptable knowledge by: 1) assessing the frequency of inconsistencies among information, and 2) documenting the results of waste discrepancies identified by the generator/storage site during waste characterization or the Permittees during waste confirmation using radiography, review of radiography audio/video recordings, or visual examination, or review of visual examination records. In addition, the acceptable knowledge process and waste stream documentation must be evaluated through internal assessments by generator/storage site quality assurance organizations. (Section C4-3e)	CCP-TP-005 S. 4.6 S. 4.9 CCP-QP-021 (All) WP 13-QA.03 (All) CCP-PO-001 S. C4-3f	Y	AK Accuracy Reports **(AK-32)** Internal Audit **(AK-31)** AK Discrepancy Resolutions at Characterization and AK Reevaluations **(AK-23)** AK Discrepancy Resolutions in the AK Record **(AK-22)**	Y	

1. NMED expects a traceability analysis to be performed, the results of which should be presented on this checklist under the "Examples of Implementation" column. Further, the traceability analysis process and results should be discussed in the Final Audit Report.

2. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements are meant to determine whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

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AK1

CCP-AK-SRS-12

Central Characterization Program
Acceptable Knowledge Summary Report
For

Savannah River Site
Solid Waste Management Facility

Waste Streams:
SR-SWMF-HET-A
SR-SWMF-HET-B

REVISION 7

April 16, 2013

Mike Ramirez
Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	08/17/2007	Initial issue.
1	03/24/2008	Added discussions of Mound and Allied-General Nuclear Services, and references to CCP-AK-SRS-8 and CCP-AK-SRS-11 to account for drums repackaged from these facilities. Added United States Environmental Protection Agency (EPA) hazardous waste numbers F007 and F009, and F005 for 2-ethoxyethanol based on repackaging of Mound waste in CCP-AK-SRS-8. Removed EPA hazardous waste number F003. Added EPA hazardous waste number U151 for consistency with CCP-AK-SRS-2 drums being repackaged. Updated waste stream volumes and dates based on drum additions to this waste stream. Made editorial changes and corrections as necessary.
2	02/10/2009	Added new processes from the Savannah River Site (SRS) Solid Waste Division remediation operation in F-Canyon and updated the waste stream volume. Also made minor editorial changes.
3	10/20/2010	Revised to expand the spent nuclear fuel and high-level waste assessment discussion; to add discussions of waste characterized in CCP-AK-SRS-9 (Mound waste) and CCP-AK-SRS-10 (Los Alamos National Laboratory waste) to account for drums repackaged from these facilities; to update the waste stream radiological characterization table; and to clarify the waste packaging information. This revision also includes miscellaneous changes to Sections 1.0, 2.0, 3.0, 4.0, 5.0, and 7.0.

RECORD OF REVISION (Continued)

4	09/06/2011	Revised to incorporate changes required by the Waste Isolation Pilot Plant (WIPP) Permit renewal dated November 30, 2010; to add boxed waste and newly generated debris to waste stream SR-SWMF-HET-A; and to add Transuranic Container Transporter Model 3 (TRUPACT-III) content code SR-425.
5	03/12/2012	Revised to add new heterogeneous and soil/gravel waste streams for spill decontamination and remediation and to add containers to the SR-SWMF-HET-A waste stream. This revision also includes miscellaneous changes throughout each section of the report.
6	12/17/2012	Revised radionuclide ranges for SR-SWMF-HET-A, deleted waste stream SR-SWMF-SOIL (all containers were determined to be LLW), added and removed containers from SR-SWMF-HET-B, and added solvent storage tanks to SR-SMWF-HET-B. Also made editorial changes.
7	04/16/2013	Revised to update radionuclide ranges, waste items, and container and volume counts for waste stream SR-SWMF-HET-A. Added waste from the Department of Defense (DOD) (i.e., radioactive sources) to waste stream SR-SWMF-HET-A. Updated Annual Transuranic Waste Inventory Report (ATWIR) Identification Number and container and volume counts for SR-SWMF-HET-B.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 8

2.0 WASTE STREAM IDENTIFICATION SUMMARY 9
2.1 Waste Stream SR-SWMF-HET-A 9
2.2 Waste Stream SR-SWMF-HET-B 11

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 12

4.0 REQUIRED PROGRAM INFORMATION 13
4.1 Facility Location, Description, and Mission 13
4.1.1 Facility Location 13
4.1.2 Facility Description 13
4.1.3 Mission 15
4.2 Defense Waste, Spent Nuclear Fuel, and High-Level Waste 15
4.2.1 Defense Waste Assessment 15
4.2.2 Spent Nuclear Fuel and High-Level Waste Assessment 15
4.3 Description of Waste Generating Operations 16
4.4 TRU Waste Management 16
4.5 Waste Identification and Characterization 17
4.6 Correlation of Waste Streams Generated from the Same Building and Process 18
4.6.1 Waste Stream SR-SWMF-HET-A 18
4.6.2 Waste Stream SR-SWMF-HET-B 18
4.7 Types and Quantity of TRU Waste Generated 19
4.8 Waste Certification Procedures 19

5.0 REQUIRED WASTE STREAM INFORMATION: SR-SWMF-HET-A 20
5.1 Area and Building of Generation 20
5.2 Waste Stream Volume and Period of Generation 22
5.3 Waste Generating Activities 22
5.4 Type of Wastes Generated 24
5.4.1 Materials Related to Physical Form 24
5.4.1.1 Waste Matrix Code 25
5.4.1.2 Waste Material Parameters 25
5.4.2 Radiological Characterization 26
5.4.3 Chemical Content Identification – Hazardous Constituents 28
5.4.3.1 Toxicity Characteristic Metals 31
5.4.3.2 Toxicity Characteristic Organics 32
5.4.3.3 F-Listed Constituents 32
5.4.3.4 U-, P-, and K- Listed Wastes 32
5.4.3.5 Ignitables, Corrosives, and Reactives 33
5.4.3.6 Polychlorinated Biphenyls 35
5.4.4 Prohibited Items 36
5.5 Waste Packaging 36
5.5.1 Filter Vents 37
5.5.2 Layers of Confinement 37

6.0 REQUIRED WASTE STREAM INFORMATION: SR-SWMF-HET-B 38

6.1 Area and Building of Generation 38
6.2 Waste Stream Volume and Period of Generation 38
6.3 Waste Generating Activities 38
6.4 Type of Wastes Generated 39
6.4.1 Materials Related to Physical Form 39
6.4.1.1 Waste Matrix Code 39
6.4.1.2 Waste Material Parameters 40
6.4.2 Radiological Characterization 40
6.4.3 Chemical Content Identification – Hazardous Constituents 42
6.4.3.1 Toxicity Characteristic Metals 44
6.4.3.2 Toxicity Characteristic Organics 44
6.4.3.3 F-Listed Constituents 44
6.4.3.4 U-, P-, and K- Listed Wastes 45
6.4.3.5 Ignitables, Corrosives, and Reactives 46
6.4.3.6 Polychlorinated Biphenyls 47
6.4.4 Prohibited Items 47
6.5 Waste Packaging 47
6.5.1 Filter Vents 48
6.5.2 Layers of Confinement 48
7.0 CONTAINER SPECIFIC INFORMATION 49
8.0 REFERENCES 50
9.0 AK SOURCE DOCUMENTS 53

LIST OF TABLES

Table 4-1. Solid Waste Management Facilities Waste Stream Volumes 19
Table 5-1. Waste Stream SR-SWMF-HET-A Waste Material Parameters 26
Table 5-2. Waste Stream SR-SWMF-HET-A Radiological Characterization 27
Table 5-3. SR-SWMF-HET-A EPA Hazardous Waste Numbers 29
Table 5-4. SR-SWMF-HET-A Toxicity Characteristic and Listed Constituents 30
Table 6-1. Waste Stream SR-SWMF-HET-B Waste Material Parameters 40
Table 6-2. Waste Stream SR-SWMF-HET-B Radiological Characterization 41
Table 6-3. SR-SWMF-HET-B EPA Hazardous Waste Numbers 43

LIST OF FIGURES

Figure 1. Location of E-Area and F-Area at the Savannah River Site 57
Figure 2. Savannah River Site E-Area TRU Waste Storage Pads 58
Figure 3. TRU Waste Visual Examination Facility/Mixed Waste Processing Facility 59
Figure 4. Modular Repackaging System 60
Figure 5. Location of Solvent Tanks 61

LIST OF ACRONYMS AND ABBREVIATIONS

AEC	U.S. Atomic Energy Commission
AGNS	Allied-General Nuclear Services
AK	acceptable knowledge
ALARA	as low as reasonably achievable
ATWIR	Annual Transuranic Waste Inventory Report
BGR	Burial Ground Record
CCP	Central Characterization Program
CFR	Code of Federal Regulations
CH	contact-handled
Ci	curie
CLAB	Central Laboratories
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
HBL	HB-Line
HEPA	High-Efficiency Particulate Air (filter)
HWN	hazardous waste number
LANL	Los Alamos National Laboratory
MORK	Modular Repackaging Unit
MRS	Modular Repackaging System
MWPF	Mixed Waste Processing Facility
nCi/g	nanocuries per gram
NDA	nondestructive assay
NWPA	*Nuclear Waste Policy Act of 1982*
OSR	Operational Safety Requirement
PCBs	polychlorinated biphenyls
PVC	polyvinyl chloride
QA	quality assurance
RCRA	Resource Conservation and Recovery Act
RTR	real-time radiography
SLB2	standard large box 2
SRNL	Savannah River National Laboratory
SRP	Savannah River Plant
SRS	Savannah River Site
SWB	standard waste box
SWD	Solid Waste Division
SWMF	Solid Waste Management Facility
TRU	transuranic
TRUCON	TRUPACT-II Content Code
TRUPACT-III	Transuranic Container Transporter Model 3
TSCA	Toxic Substances Control Act
TVEF	TRU Waste Visual Examination Facility
VE	visual examination
WAC	Waste Acceptance Criteria

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

WIPP	Waste Isolation Pilot Plant
WIPP-WAC	*Waste Isolation Pilot Plant Waste Acceptance Criteria*
WIPP-WAP	*Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*
wt%	weight percent
WMP	waste material parameter

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) Summary Report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), to implement the AK requirements of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 2), and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 5). The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 3). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 8). Additionally, this report provides the AK information required by CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* (Reference 26).

This report has been prepared for the Central Characterization Program (CCP) for contact-handled (CH) transuranic (TRU) waste generated at the Savannah River Site (SRS) in Aiken, South Carolina. The waste streams described in this report were generated at the Solid Waste Management Facility (SWMF) previously known as Building 643G. Building 643G referred to the entire burial ground (also known as the SWMF or Area E). The waste will be characterized at SRS prior to shipment to the Waste Isolation Pilot Plant (WIPP).

This AK Summary Report includes information relating to the SRS mission, process operations, waste identification and characterization, and waste management practices. This report also includes information regarding the physical form, radiological characteristics, and chemical contaminants of the waste, as well as prohibited items and packaging configuration.

This report, along with referenced supporting documents, provides a defensible and auditable record of AK for waste streams SR-SWMF-HET-A and SR-SWMF-HET-B. The references and AK sources used to prepare this report are listed in Sections 8.0 and 9.0. The source documents are referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, and P001).

The CCP is tasked with certification of CH TRU waste for transportation to and disposal at WIPP. This report was developed in accordance with CCP-TP-005 (Reference 1), describes how AK is collected, reviewed, and managed by the CCP. The CCP is responsible for review and management of AK documentation in accordance with CCP-TP-005 and reviews and approves this AK Summary Report. CCP maintains responsibility for this AK Summary Report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the "historical source documents" as Non-QA records.

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored:

Savannah River Site
Post Office Box 616
Aiken, South Carolina 29802
U.S. Environmental Protection Agency (EPA) ID SC1890008989

Facility Where TRU Waste Was Generated:

TRU Waste Visual Examination Facility/Mixed Waste Processing Facility (TVEF/MWPF) on TRU Pad 6, the Modular Repackaging System (MRS) on TRU Pad 19, TRU Pad 2, the F-Area Repackaging Enclosures, and the solvent storage tanks.

The TVEF/MWPF, MRS, and TRU Pad 2 are located at the SWMF in E-Area, and the F-Area Repackaging Enclosures are located in Building 221F (refer to Sections 4.1.1 and 4.1.2). The TVEF/MWPF and the MRS are no longer in operation.

Facility Mission:

The mission of the SWMF is to provide treatment, storage, and disposal of radioactive wastes generated as a result of the production of nuclear materials for U.S. Defense Programs and as a result of environmental remediation and regulatory compliance operations. The specific mission of the TVEF/MWPF, the MRS, and the F-Area Repackaging Enclosures is to visually examine the contents of selected TRU waste drums and the removal of prohibited items for the purpose of supporting the shipment of TRU waste to WIPP. The TRU waste being examined originated in other SRS facilities, as well as off-site facilities, that produced defense TRU waste (refer to Section 4.1.3).

2.1 Waste Stream SR-SWMF-HET-A

Summary Category Group:	S5000
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400, Heterogeneous Debris
TRUPACT-II Content Code (TRUCON):	SR 125 / SR 225 / SQ 154
Transuranic Container Transporter Model 3 (TRUPACT-III):	SR 425
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number (Reference 10):	SR-SWMF-HET-A

Maximum Layers of Confinement: Four

Waste Stream Description: Waste stream SR-SWMF-HET-A is generally comprised of cellulosic, plastic, rubber, metal, and glass wastes. Cellulosic materials include cloth (e.g., bags), clothing (e.g., coveralls, scrubs), glove liners, mop heads, paper products (e.g., pads, smears, swipes), rags, rope, tape, towels, wipes, and wood (brushes, tool handles). Plastic items include bags, bag-out sleeves, breathing air hoods, containers (e.g., bottles, buckets), drum liner lids, foam spacers, glovebag material, hose, pigtails, polypropylene absorbent pads (i.e., Haz-Mat PIG), polyvinyl chloride (PVC) from glovebag glove ports, sheeting, Styrofoam trays, tape, and wire insulation. Rubber materials include bungee cords, drum lid gaskets, gloves, lead-lined gloves, mats, O-rings, shoe covers, and vacuum hoses. Other organic materials include Kevlar, leather gloves, and soil. Filters include cardboard roughing filters, glovebag filters, High-Efficiency Particulate Air (HEPA) filters, metal drum filter vents, and prefilters. Metal wastes include aluminum bag-out ports and buckets, cable/wire, caulking guns, containers (e.g., 30-gallon drums, cylinders), drill bits, drum lids, drum rings, dust pans, empty aerosol cans, equipment (e.g., alpha probes, cameras, scales, vacuum cleaners), filter housings, hand tools (e.g., hammers, metal cutters, pliers, razor knives/blades, shears), hardware (e.g., bolts, nuts), identification tags, lead shielding, piping, squibs (deactivated), stainless-steel pans, and radioactive sources. Other inorganic waste items include concrete, nonhazardous fluorescent light bulbs, glass bottles, mirror, and sand. Small quantities of homogeneous solids such as floor sweepings and dust; liquids solidified with Acid Bond A660, Petrobond A610, or No-Char absorbents; paint chips; and water/nonhazardous decontamination solutions (e.g., Isoclean and Radiacwash) mixed with a loose absorbent (e.g., soda ash, SP-400 Water Works) are also present (refer to Section 5.4.1).

Radionuclides: The two most prevalent radionuclides by mass in this waste stream are uranium (U)-238 and plutonium (Pu)-239 (refer to Section 5.4.2).

EPA Hazardous Waste Numbers: The EPA hazardous waste numbers (HWNs) assigned to this waste stream are D008, F001, F002, F004, F005, F007, F009, U133, and U151 (refer to Section 5.4.3).

Prohibited Items: Prohibited items potentially present in this waste stream include containers greater than four liters and liquids both containerized or uncontainerized and unpunctured aerosol cans (refer to Section 5.4.4).

Waste Packaging: Waste is packaged in 55-gallon drums with or without 90-mil high density polyethylene liners, or direct loaded into unlined standard waste boxes (SWBs). Remediated/repackaged waste may be packaged into a 55-gallon drum with one of the following drum liner configurations: no liner, a fiberboard liner, or a 90-mil polyethylene liner with or without lid, or direct loaded into unlined SWBs, or loaded into TRUPACT-III standard large box 2s (SLB2s). 55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination (refer to Section 5.5).

2.2 Waste Stream SR-SWMF-HET-B

Summary Category Group: S5000

Waste Matrix Code Group: Heterogeneous Debris Waste

Waste Matrix Code: S5400, Heterogeneous Debris

TRUCON: SR 125 / SR 225 / SQ 154

ATWIR Identification Number (Reference 10): SR-SWMF-HET-B

Maximum Layers of Confinement: Five

Waste Stream Description: Waste stream SR-SWMF-HET-B is comprised of debris materials generated at SWMF including tank filters and job control waste from cleanup and remediation of spills in and around the burial grounds associated with Pad 2. Debris waste items in this waste stream may include filters, concrete, metal siding and support beams, plastic and wood from a containment hut, rags, and wood boards. Small amounts of contaminated soil and absorbed liquid may also be present (refer to Section 6.4.1).

Radionuclides: The two most prevalent radionuclides by mass in this waste stream are Pu-239 and Np-237 (refer to Section 6.4.2).

EPA Hazardous Waste Numbers: The EPA HWNs assigned to this waste stream are D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005, and U133 (refer to Section 6.4.3).

Prohibited Items: No prohibited items were specifically identified for this waste stream. Drums containing solvent tank bag filters may have lead shielding; that shielding is as low as reasonably achievable (ALARA) shielding and the drums would still be CH waste if the lead were removed. However, other SRS debris waste streams have identified sealed containers greater than four liters and prohibited quantities of liquids both containerized or uncontainerized and unpunctured aerosol cans (refer to Section 6.4.4).

Waste Packaging: Waste is packaged in 55-gallon drums with or without 90-mil high density polyethylene liners, with or without ALARA lead shielding, or direct loaded into unlined SWBs. Remediated/repackaged waste may be packaged into a 55-gallon drum with one of the following drum liner configurations: no liner, a fiberboard liner, or a 90-mil polyethylene liner with or without lid, or direct loaded into unlined SWBs. 55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination (refer to Section 6.5).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. The WIPP-WAP permits use of knowledge of the materials and processes that generate and control the waste, provided a clear and convincing argument about the characteristics of the waste is achieved (Reference 2). The WIPP-WAC requires generator sites to use AK to determine if the TRU waste streams to be disposed at WIPP meet the definition of TRU "defense" waste, and to provide information concerning the radiological composition of a waste stream (Reference 5).

The AK characterization documented herein complies with the AK requirements in the WIPP-WAP and WIPP-WAC. This AK Summary Report was developed in accordance with the applicable requirements of CCP-PO-001 (Reference 3), CCP-PO-002 (Reference 8), and CCP-TP-005 (Reference 1).

Waste streams were characterized using AK from a variety of sources, including existing AK summary reports, safety analysis reports, hazards analysis reports, operating procedures, waste characterization procedures, waste packaging procedures, waste packaging forms, material safety data sheets, and various correspondence.

The references and AK sources used to prepare this report are listed in Sections 8.0 and 9.0, respectively. The AK sources referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, and P001) correspond to the Source Document Tracking Number using the following convention:

C – Correspondence
D – Documents
DR – Discrepancy resolutions
M – Miscellaneous data
P – Procedures

4.0 REQUIRED PROGRAM INFORMATION

This section presents the mandatory TRU waste program information required by the WIPP-WAP for the SWMF waste streams (Reference 2). This section provides a description of the facility and operations associated with the generation of SWMF TRU waste. Included is a description of the waste generating areas and facilities, summary of the mission, defense determination, and descriptions of the operations associated with the generation of the waste streams.

4.1 Facility Location, Description, and Mission

4.1.1 Facility Location

The SRS is located in South Carolina and occupies about 300 square miles. The SRS is approximately 25 miles southeast of Augusta, Georgia, and 22 miles south of Aiken, South Carolina. The E-Area SWMF (Formerly known as 643G or Building 643G) is located within Aiken County near the center of the SRS. TRU waste is stored on the TRU waste storage pads which are also located in E-Area. Maps denoting the location of E-Area and the TRU waste storage pads are included as Figure 1, Location of E-Area and F-Area at the Savannah River Site, and Figure 2, Savannah River Site E-Area TRU Waste Storage Pads (Reference D001and D019).

4.1.2 Facility Description

SWMF operations occur in two areas: E-Area and F-Area. The SWMF in E-Area consists of three major waste disposal and storage facilities: the Old Radioactive Waste Burial Ground which was previously referred to as Building 643G, the Solid Waste Disposal Facility, and the E-Area Vaults. One process conducted at multiple facilities is the certification and shipment of TRU waste to WIPP. These consist of TRU Pad 6 Drum Vent and Purge, TRU Pad 4 TRU Waste Characterization, TRU Pad 6 TVEF/MWPF, TRU Pad 19 MRS, and TRU Pad 3 TRUPACT-II Loading Facility (Reference D001). The waste streams currently described in this AK Summary Report were generated by the TRU Pad 6 TVEF/MWPF, TRU Pad 19 MRS, and F-Area Remediation, the solvent storage tanks, or resulted from spill cleanup and remediation at TRU Pad 2 (References D019, M001, M013, M014, M015, M016, M018, and M019).

The TVEF/MWPF (no longer in operation) is a dual facility with shared utilities. The TVEF portion of the facility contains a glovebox for opening, visually examining the contents of selected TRU waste drums, and removing non-WIPP-approved waste items for the purpose of supporting the shipment of TRU drums to WIPP. The equipment within the MWPF portion of the facility was not used for TRU waste processing (Reference D001). However, a negative pressure glovebag was used inside the MWPF for the removal of prohibited items and repackaging of the waste with the glovebag exhaust being vented into the existing MWPF hood area (Reference D005). The TVEF/MWPF is a metal structure located on TRU Pad 6. TRU Pad 6 is a reinforced concrete pad covered by a steel-framed weather-protection enclosure. The TVEF/MWPF is located entirely within the weather enclosure. The TVEF/MWPF is

constructed with steel panels. Primary confinement for the unpacking and inspection of TRU drums in the TVEF is provided by a glovebox. The floor of the TVEF/MWPF is coated and sealed with an epoxy-based paint for ease of cleaning and decontamination. The ventilation system includes HEPA filters. Figure 3, TRU Waste Visual Examination Facility/Mixed Waste Processing Facility, illustrates the layout of the TVEF/MWPF (Reference D001).

The MRS (no longer in operation) contains a modular TRU waste drum remediation and repackaging unit called the Modular Repackaging Unit (MORK), which was designed to be transported by truck and set up in remote locations. The MRS is located on TRU Waste Pad 19. The repackaging operations are similar to those of the TVEF on TRU Pad 6. The MRS contains the MORK which is comprised of two gloveboxes with high nitrogen atmosphere. The overall modular unit is a non-combustible exterior fire panel on metal frame construction with interior floor, walls, and ceiling constructed of stainless-steel plate. Each stainless-steel glovebox includes five workstations on each side. Each glovebox also has five larger ports sized to insert the top portion of daughter or parent drums. The MORK is designed for repacking two waste drums simultaneously into as many as eight daughter drums. The glovebox windows are made of safety glass (leaded glass overlays are installed on the face of the gloveboxes). The MORK glovebox ventilation system is HEPA-filtered at the outlet of the glovebox. HEPA filters are also installed in the inlet and exhaust ventilation systems of the MRS. The layout of the MRS is shown in Figure 4, Modular Repackaging System (Reference D002).

The SWMF in F-Area consists of two TRU Repackaging Enclosures where candidate drums are opened, prohibited items are removed, and liquids are absorbed using Acid Bond A660, Petrobond A610, or No-Char. If necessary, the pH of the liquid is adjusted prior to being absorbed. The waste is then repackaged into a parent drum and, if needed, into daughter drums (References D018, P018, P019, P020, P022, P025, and P026).

The SWMF also includes solvent storage tanks that have been closed and filled with grout. The solvent storage tanks contained waste from the Separations PUREX process and may have contained waste from other SRS activities (References P048 and P049).

Solid radioactive wastes generated at the Savannah River Plant (SRP) and Savannah River Laboratory and some wastes from offsite were stored at the Savannah River burial ground (Building 643G or Old Burial Ground). The burial ground was centrally located at SRP between the two chemical separations areas. A paved road to its entrance and many dirt roads inside the fenced area (195 acres) provided access to the burial ground. Railroad spurs permitted shipments of large pieces of contaminated process equipment (Reference D019).

4.1.3 Mission

The present mission of the SWMF is to continue providing treatment, storage, and disposal of radioactive wastes generated as a result of the production of nuclear materials for U.S. Defense Programs, and as a result of environmental remediation and regulatory compliance operations. In addition, the SWMF provides interim storage of mixed wastes and nonradioactive hazardous materials. The specific mission of the TVEF/MWPF and MRS (no longer in operation), and F-Area Repackaging Enclosures is to visually examine the contents of selected TRU waste drums and the removal of prohibited items for the purpose of supporting the shipment of TRU waste to WIPP (References D001, D002, and D005). The TRU waste being examined originated in other SRS facilities as well as off-site facilities (i.e., Allied-General Nuclear Services [AGNS], Los Alamos National Laboratory [LANL], Mound, and a U.S. Department of Defense [DOD] facility) that produced defense TRU waste (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, C076, C084, M001, M013, M014, M016, and M033).

4.2 Defense Waste, Spent Nuclear Fuel, and High-Level Waste

4.2.1 Defense Waste Assessment

The WIPP-WAC (Reference 5) requires generator sites to use AK to determine if the TRU waste streams to be disposed at WIPP meet the definition of TRU "defense" waste. Based on guidance from the U.S. Department of Energy (DOE), a TRU waste is eligible for disposal at WIPP if it has been generated in whole or part by one of the *atomic energy defense activities* listed in Section 10101(3) of the *Nuclear Waste Policy Act of 1982* (NWPA) (Reference 7). As described in Section 4.1.3, the TVEF/MWPF, MORK, and F-Area Repackaging Enclosures visually examine and remove prohibited items from TRU waste that originated in other SRS facilities, as well as off-site facilities that produced defense TRU waste. Similar to waste stream SR-SWMF-HET-A, the waste in wastes stream SR-SWMF-HET-B resulted from the spill cleanup and remediation of leaking containers of defense-related TRU waste that originated in other SRS facilities and closure of the solvent storage tanks. Therefore, the atomic energy defense activity that applies to waste streams SR-SWMF-HET-A and SR-SWMF-HET-B is "defense nuclear waste and materials by-products management" (References 5, 6, and 7).

4.2.2 Spent Nuclear Fuel and High-Level Waste Assessment

Public Law 102-579, *Waste Isolation Pilot Plant Land Withdrawal Act* (Reference 6), bans the disposal of spent nuclear fuel and high-level waste, as defined by the NWPA (Reference 7) at WIPP. According to the NWPA, spent nuclear fuel is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing." The *DOE Radioactive Waste Management Manual* (Reference 24) expands on this definition to clarify that "Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost

prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." High-level waste is defined by the NWPA as "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation." The original SRS operations that generated the TRU waste being examined in the TVEF/MWPF, MRS, and F-Area Repackaging Enclosures, as well as the debris waste and soil generated during cleanup and remediation of spills on TRU Pad 2, the closure of the solvent storage tanks. None of these activities involved separation or reprocessing of constituent elements from reactor fuel. The materials discharged to the solvent storage tanks were washed to remove as much fission products and other separations isotopes as possible before they were sent to the disposal facility. The waste does not contain irradiated fuel elements withdrawn from a reactor (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, C056, C057, C058, C059, C064, C065, C066, M001, M013, M014, M015, M016, M018, M019, M021, M022, and M024). Therefore, waste streams SR-SWMF-HET-A and SR-SWMF-HET-B are not spent nuclear fuel, not high-level waste, nor a waste historically managed as high-level waste and are eligible for disposal at WIPP (References 6 and 7).

4.3 Description of Waste Generating Operations

The waste streams described in this report were generated at the SWMF previously known as Building 643G. The TVEF provides a capability for visual examination (VE) of the contents of TRU waste drums to ensure that they have been accurately characterized before final disposition and the removal of prohibited items. The MWPF is used to remove prohibited items from TRU waste drums and repackage the waste using a glovebag. Similar to the TVEF operations, the MORK and the F-Area Repackaging Enclosures are used to examine, remediate, and repackage TRU waste drums. WIPP-prohibited items are separated and placed in a separate approved container for storage. Waste handling operations and associated maintenance in the TVEF/MWPF, MORK, and F-Area Repackaging Enclosures generate job control wastes which are included in waste stream SR-SWMF-HET-A. The waste in wastes stream SR-SWMF-HET-B resulted from activities conducted at the SWMF (such as solvent tank closure), and the cleanup and remediation of leaking containers at the SWMF TRU Pad 2 (References C056, C057, C058, C059, C064, C065, C066, D001, D002, D003, D004, and D005). TRU waste generating activities are described further in Sections 5.3, 6.3, and 7.3.

4.4 TRU Waste Management

In 1970, the U.S. Atomic Energy Commission (AEC) issued an Immediate Action Mandate which required that solid waste containing TRU elements be segregated in containers that could be retrieved from permanent storage for 20 years. In September 1973, the AEC issued new criteria which required that waste containing greater than ten nanocuries per gram (nCi/g) TRU waste must be stored retrievably for

a period of 20 years with no spread of contamination to the environment. Starting in 1974, SRS storage procedures for TRU waste were modified to reflect the 1973 AEC criteria governing retrievable storage of TRU waste, and began storing TRU waste in retrievable storage above grade on TRU pads. The TRU limit was revised to 100 nCi/g in 1985. Until 1985, TRU waste containers were placed on TRU pads and covered with soil. Waste with greater than 0.5 curies (Ci) per container was first stored in concrete culverts prior to placement on the pads. This practice was changed in 1985 to support disposal of TRU waste at the WIPP (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, and D001).

Prior to 1986, TRU waste was subject only to DOE requirements regarding storage and handling. In 1986, the DOE agreed to regulate hazardous constituents of TRU waste in accordance with the Resource Conservation and Recovery Act (RCRA) requirements, as enforced by the South Carolina Department of Health and Environmental Control. The radionuclides would continue to be regulated by DOE and be exempt from the RCRA. It was decided in January 1990 that rags contaminated with hazardous materials were themselves hazardous and subject to RCRA requirements (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, and D001).

The management of radioactive and hazardous waste is controlled by the use of procedures and limits designed to ensure the safety of personnel as well as proper waste disposal. Primary control for safe operation is effected through administrative control and procedures specified in formalized policies and programs for waste minimization, waste segregation, and waste characterization. SWMF procedures deal with solid and liquid waste segregation, packaging, handling, identification, preparation for transportation, and prevention of contamination spread. Records are maintained of weight, volume, isotopic quantity, and variety of contamination for solid and liquid waste generated by the facility. The key documents that establish control requirements for hazardous waste operational activities, and provide the operational control needed to safely process, confine, and manage SWMF generated wastes, are Technical Safety Requirements and Operating Procedures. These documents are listed in Sections 8.0 and 9.0 (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, and D001).

4.5 Waste Identification and Characterization

SRS personnel completed the Operational Safety Requirement (OSR) 29-90 (Transuranic Waste Container Characterization Form) or the OSR 7-735 (Burial Ground Record [BGR]) form, in accordance with Manual 1S Procedure WAC 3.06, E-Area TRU Pads Transuranic Waste Acceptance Criteria (WAC) or DPSOP 40, Savannah River Plant Radiation and Contamination Control Management Procedure, respectively. The physical form information on the OSR 29-90 form includes a waste name, waste components, and estimated waste material parameter (WMP) weight percents (wt%). Chemical information on the OSR 29-90 form consists of EPA HWNs and an estimate of the chemical constituents mass. Radiological information on the OSR 29-90 includes measured isotope quantity (mass) and the method of determination. The BGR form lists the Variety of Contamination Code, the volume of waste, and a brief description of the waste contents (References M001, M014, M016, P001, and P037).

4.6 Correlation of Waste Streams Generated from the Same Building and Process

4.6.1 Waste Stream SR-SWMF-HET-A

The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. One waste stream has been delineated for the TRU debris waste generated at the E-Area or the F-Area SWMF during waste handling and associated maintenance operations. Waste stream SR-SWMF-HET-A corresponds to ATWIR, formerly known as the Transuranic Waste Baseline Inventory Report, identification number SR-SWMF-HET-A. This identification number is still active in the 2011 ATWIR and it includes the identical hazardous waste characterization as the waste stream in this AK summary report (Reference 10).

The waste stream designation, and the basis and rationale for delineating this waste stream, are as follows:

The activity at the E-Area and F-Area SWMF that generated this waste stream was TRU waste drum remediation, which consists of VE, repackaging, and prohibited item removal. This waste stream is predominantly organic debris materials with lesser amounts of inorganic materials and small quantities of soil and absorbed liquid. The waste stream includes RCRA-hazardous waste items or items that came in contact with RCRA-hazardous waste during the examination process. Container specific records have been reviewed to verify the physical composition and origin of the inventory. It has been determined that every container included in the most current Waste Containers List was generated from the operations described in Section 5.3. These waste handling and associated maintenance operations originate from the same areas and generate waste that contains similar chemical and radiological contaminants. Based on the rationale above, waste stream SR-SWMF-HET-A meets the WIPP-WAP waste stream definition (References D001, M001, M013, M014, M015, M016, M018, and M019).

4.6.2 Waste Stream SR-SWMF-HET-B

The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. One waste stream has been delineated for TRU debris waste generated at the SWMF during spill cleanup and remediation. Waste stream SR-SWMF-HET-B corresponds to ATWIR identification number SR-W027-643G-HET. The waste stream designation, and the basis and rationale for delineating this waste stream, are as follows:

The activity in the SWMF, previously known as Building 643G, that generated this waste stream includes waste from the SWMF operations and spill cleanup and remediation in and around Pad 2, (which consists of job control waste, concrete, and waste from a contaminated low-boy trailer). This waste stream is predominantly inorganic debris materials with lesser amounts of organic materials and small quantities of soil and absorbed liquid. The waste stream includes RCRA-hazardous waste items or items that

came in contact with RCRA-hazardous waste, including cross-contamination during the spill cleanup and remediation. Container specific records have been reviewed to verify the physical composition and origin of the inventory. It has been determined that every container included in the most current Waste Containers List was generated from the operations described in Section 6.3. The waste has also been categorized as a single Waste Matrix Code (as described in Section 6.4.1.1) and has been classified entirely as TRU mixed waste (as described in Section 6.4.3). Based on the rationale above, waste stream SR-SWMF-HET-B meets the WIPP-WAP waste stream definition (References D001 and M022).

4.7 Types and Quantity of TRU Waste Generated

The waste streams described by this report have been characterized as TRU mixed waste. The container types, number of containers, and total volume of each waste stream are provided in Table 4-1, Solid Waste Management Facilities Waste Stream Volumes (References C077, D001, M001, M013, M014, M015, M016, M018, M019, M022, M024, and M029).

Table 4-1. Solid Waste Management Facilities Waste Stream Volumes

Waste Stream	Container Type	Number of Containers	Total Volume (m^3)
SR-SWMF-HET-A	55-Gallon Drum	554	115.23
	SWB	130	244.4
	SLB2	2	14.8
SR-SWMF-HET-B	55-Gallon Drum	13	2.7
		699	***377.13***

The specific container numbers are provided in the Waste Containers List. Waste stream SR-SWMF-HET-A will continue to be generated at an average rate of about 10 cubic meters per year in 2013 and five cubic meters per year in 2014 through 2016. Future generation of waste stream SR-SWMF-HET-B is not expected; however, the projected volume may change based on drum remediation and repackaging operations (Reference C061).

4.8 Waste Certification Procedures

In the CCP program under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 1) directs compilation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 8).

5.0 REQUIRED WASTE STREAM INFORMATION: SR-SWMF-HET-A

This section presents the mandatory TRU waste stream specific information required by the WIPP-WAP for waste stream SR-SWMF-HET-A (Reference 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described (Reference 1).

5.1 Area and Building of Generation

Waste stream SR-SWMF-HET-A was generated by the Pad 6 TVEF/MWPF and the Pad 19 MRS within the E-Area SWMF, and the F-Area Repackaging Enclosures at SRS during waste handling and associated maintenance operations (References D001, D002, D005, M001, M013, M014, M015, M016, M018, and M019). The parent drums that have been repackaged in the TVEF, MRS, or F-Area Repackaging Enclosures originated in FB-Line, HB-Line (HBL), F/H Area Laboratory, F-Area Materials Storage, Savannah River National Laboratory (SRNL), or site deactivation and decommissioning waste (e.g., Building 211-F) at SRS, as well as AGNS in Barnwell, South Carolina, LANL in Los Alamos, New Mexico, the Mound site in Miamisburg, Ohio, and a DOD facility. The parent drums were typically assigned to a CCP waste stream in one of the following AK Summary Reports:

- CCP-AK-SRS-1, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W027-221F-HET-A* (Reference 11)
- CCP-AK-SRS-2, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W027-FB-Pre86-C* (Reference 12)
- CCP-AK-SRS-3, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W026-221F-HET, SR-W026-221F-HOM, SR-W026-221F-HEPA, SR-W026-221F-HET-A* (Reference 13)
- CCP-AK-SRS-4, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM* (Reference 14)
- CCP-AK-SRS-5, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W026-772F-HET* (Reference 15)

- CCP-AK-SRS-6, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-235F-HET, SR-W027-235F-HOM, SR-W027-235F-HEPA* (Reference 16)

- CCP-AK-SRS-7, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-773A-HET, SR-W027-773A-HOM* (Reference 17)

- CCP-AK-SRS-8, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C* (Reference 18)

- CCP-AK-SRS-9, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste In Retrievable Storage at the Savannah River Site, Waste Stream: SR-MD-PAD1* (Reference 22)

- CCP-AK-SRS-10, *Central Characterization Program Acceptable Knowledge Summary Report For Los Alamos National Laboratory Transuranic Waste In Retrievable Storage at the Savannah River Site, Waste Stream: SR-LA-PAD1* (Reference 23)

- CCP-AK-SRS-11, *Central Characterization Program Acceptable Knowledge Summary Report For Allied-General Nuclear Services Barnwell Nuclear Fuel Plant Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-AGNS-HET, SR-AGNS-HOM* (Reference 19)

- CCP-AK-SRS-12, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Solid Waste Management Facility, Waste Streams: SR-SWMF- HET-A, SR-SWMF-HET-B*

- CCP-AK-SRS-13, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Site Deactivation and Decommissioning Waste, Waste Streams: SR-SDD-HOM-A, SR-SDD-HOM-B, SR-SDD-HET-A* (Reference 25)

- CCP-AK-SRS-14, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Fuel Fabrication Facility Transuranic Waste, Waste Streams: SR-W027-321-322M-HET, SR-W027-321M-HOM* (Reference 27)

- CCP-AK-SRS-15, *Central Characterization Program Acceptable Knowledge Summary Report For Defense Waste Processing Facility at the Savannah River Site, Waste Stream: SR-DWPF-HET* (Reference 28)

- CCP-AK-SRS-18, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site K-Area Interim Surveillance Transuranic Waste, Waste Stream: SR-KAC-HET* (Reference 30)

- CCP-AK-SRS-19, *Central Characterization Program Acceptable Knowledge Summary Report For Contact-Handled Transuranic Waste from the Battelle Columbus Laboratories Decommissioning Project, Waste Stream: SR-BCLDP-HET* (Reference 29)

- CCP-AK-SRS-20, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site H-Canyon and F-Area Materials Storage Facility Commingled Contact-Handled Transuranic Waste, Waste Stream: SR-HBL-235F-HET* (Reference 31)

- CCP-AK-SRS-21, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-221H-PuOx* (Reference 32)

Waste from the DOD (i.e., radioactive sources) was repackaged in the SWMF to remediate prohibited items, which resulted in additional radiological contamination. The resulting predominant radionuclide both by weight and activity for the DOD waste was Pu-238. A review of AK documentation determined that the Pu-238 present resulted from unintentional cross contamination during repackaging operations; therefore, the DOD waste is being added to waste stream SR-SWMF-HET-A (References C080, C084, M030, M031, M032, M033, and M034).

5.2 Waste Stream Volume and Period of Generation

Waste stream SR-SWMF-HET-A currently includes 554 55-gallon drums, 130 SWBs, and two SLB2s with a total volume of approximately 374.43 cubic meters. The waste was generated from January 1995 to the present (References C055, M001, M013, M014, M015, M016, M018, M019, M024, and M033). Although the DOD waste discussed above was originally generated in May 1985, it was unintentionally contaminated during recent remediation operations in the SWMF. This waste stream will continue to be generated at an average rate of about 10 cubic meters per year in 2013 and five cubic meters per year in 2014 through 2016 (Reference C054). The specific container numbers are provided in the Waste Containers List which is maintained as a quality record as required by procedure CCP-TP-005 (Reference 1).

5.3 Waste Generating Activities

Waste stream SR-SWMF-HET-A consists of hazardous organic and inorganic debris generated in the TVEF/MWPF, MRS (which contains the MORK), and F-Area Repackaging Enclosures. This waste stream primarily includes containers with empty aerosol cans (will be punctured prior to WIPP disposal) and secondary job control waste from waste handling and associated maintenance operations (References D001, D003,

and D018). Descriptions of these operations are provided below.

The TVEF portion of the TVEF/MWPF provides a capability for VE of the contents of TRU waste drums to ensure they have been accurately characterized before final disposition and the removal of WIPP-prohibited items. The top of a parent 55-gallon drum of TRU waste is introduced into the TVEF glovebox through a 26-inch diameter bag-in port on the side of the glovebox. A smaller bag-in port is provided for items such as small tools and decontamination materials. The MWPF portion of the TVEF/MWPF provided an area for use of a negative pressure glovebag. The drum lid is removed under a hood and the liner lid left in place. The drum is attached to the glovebag using a sleeve and placed horizontally into the glovebag by a drum lift. The liner is opened and the drum unpacked. Prohibited items are removed and the waste is repacked back into the parent drum, or into a new daughter drum, at the other end of the glovebag. Similar to the TVEF operations, the MORK is used to examine, remediate, and repackage TRU waste drums. The parent drum is introduced into the glovebox where the retaining ring, metal lid, and liner lid are removed, and the waste is emptied into the glovebox. Once the prohibited items have been remediated or removed, the contents of the drum are sorted and weighed, and then bagged and placed back into the parent drum, if feasible, or into one or more daughter drums attached to the bottom of the glovebox. Parent drums with uncontainerized liquids (up to a certain amount) are introduced into the glovebox or glovebag and the liquid is absorbed and placed back into the parent drum or into a daughter drum. Aerosol cans are removed from the parent drum and placed into drums separate from other types of waste.

Operations in the F-Area Repackaging Enclosures include opening sealed liquid containers one at a time. This includes breaking open glass ampules. All possible hazardous constituents are listed in Table 5-3, SR-SWMF-HET-A EPA Hazardous Waste Numbers. After opening the liquids, the pH is determined and, if the pH is less than five, a 50 percent sodium hydroxide solution is slowly added until the pH is greater than five. The liquid is then absorbed. Other prohibited items such as aerosol cans are removed from the waste. The waste is then repackaged into a parent drum and, if needed, into daughter drums. During waste management and drum storage activities, following initial waste generation, 55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination (References D001, D002, D003, D004, D018, P004, P005, P006, P007, P008, P009, P010, P018, P019, P020, P022, P025, P026, P030, P031, P032, P033, and P034).

The liquids processed in the F-Area Repackaging Enclosures include acids (e.g., nitric acid), bases (e.g., sodium hydroxide), and other liquids (e.g., contaminated water) that were generated in processes that produced TRU waste (Reference D018). These liquids were removed from other waste streams for remediation in the F-Area Repackaging Enclosures. These liquids could have been originally generated in plutonium purification processes in FB-Line (References 11, 12, and 13), operations in HB-Line (Reference 14), operations in Central Laboratories (CLAB) (Reference 15), the Actinide Billet processes (Reference 16), the research and development at SRNL (Reference 17), plutonium heat source operations at Mound (References 18 and 22),

the operations at AGNS (Reference 19), nuclear weapons research and development operations at LANL (Reference 23), or site deactivation and decommissioning in Building 211-F (Reference 25).

Waste handling and maintenance operations include bag-port operations, cutting off a drum liner lip in order to remove large items from drum liner, removing old drum filter vents from the parent drums, replacement of HEPA and pre-filters, operation of the breathing air system, using absorbent pads for wiping liquid off waste items, and cleaning/remediating the glovebox and glovebag interior using decontamination solution and/or physical methods (e.g., scraping, wiping). Fixatives, such as DeconGel, may be used during these operations to reduce the spread of contamination. Nonhazardous decontamination solutions typically used are Isoclean and Radiacwash (References C003, C006, M001, M002, P004, P005, P006, P007, P008, P009, P010, P021, P026, P030, P031, P032, P033, and P034).

5.4 Type of Wastes Generated

This section describes the waste materials based on process inputs and outputs, waste matrix code assignment, WMP weight estimates, radionuclide percentages, and hazardous waste determinations for waste stream SR-SWMF-HET-A.

5.4.1 Materials Related to Physical Form

Waste stream SR-SWMF-HET-A is comprised primarily of organic and inorganic debris waste items and generally consists of cellulosic, plastic, rubber, metal, and glass wastes. Descriptions of the physical form of the waste are provided on OSR 29-90 forms. Specific items in this waste stream include (References C003, C006, C076, C080, C084, M001, M002, M013, M014, M016, M030, M031, M032, M033, P018, P019, P020, P022, P025, and P026):

- Cellulosics such as cloth, (e.g., bags), clothing (e.g., coveralls, scrubs), glove liners, mop heads, paper products (e.g., pads, smears, swipes), rags, rope, tape, towels, wipes, and wood (brushes, tool handles)
- Plastics including bags, bag-out sleeves, breathing air hoods, containers (e.g., bottles, buckets), drum liner lids, foam spacers, glovebag material, hose, pigtails, polypropylene absorbent pads (i.e., Haz-Mat PIG), PVC from glovebag glove port, sheeting, Styrofoam trays, tape, and wire insulation
- Rubber materials such as bungee cord, drum lid gaskets, gloves, lead-lined gloves, mats, O-rings, shoe covers, and vacuum hoses
- Other organic materials including Kevlar, leather gloves, and soil
- Filters (e.g., cardboard roughing filters, glovebag filters, and HEPA filters, metal drum filter vents, prefilters)

- Metal wastes including aluminum bag-out ports and buckets, cable/wire, caulking guns, containers (e.g., 30-gallon drums, cylinders), drill bits, drum lids, drum rings, dust pans, empty aerosol cans, equipment (e.g., alpha probes, cameras, scales, vacuum cleaners), filter housing, hand tools (e.g., hammer, metal cutter, pliers, razor knives/blades, shears), hardware (e.g., bolts, nuts), identification tag, lead shielding, piping, radioactive sources, squibs (deactivated), and stainless-steel pans

- Other inorganic waste items such as concrete, nonhazardous fluorescent light bulbs, glass bottles, mirror, and sand

- Small quantities of homogeneous solids such as floor sweepings and dust; aqueous (acidic or basic), or petroleum based liquids solidified with Acid Bond A660, Petrobond A610, or No-Char absorbents; paint chips; and water/nonhazardous decontamination solutions (e.g., Isoclean and Radiacwash) mixed with a loose absorbent (e.g., soda ash, SP-400 Water Works)

- Lead items such as leaded gloves, leaded paint chips, lead shielding, lead-acid batteries, and lead blankets

5.4.1.1 Waste Matrix Code

The waste matrix code was assigned to waste stream SR-SWMF-HET-A based on the evaluation of AK information relating to the physical form of the waste recorded on OSR 29-90 forms (References M001, M013, M014, and M016). The OSR 29-90 form includes estimated WMP wt%. Since waste matrix codes are defined by volume, the WMP weights were converted to volumes based on assumed densities for the different waste material categories. This evaluation indicates an average organic debris (cellulosics, plastic, and rubber) content of more than 80 percent by volume. However, some drums in this waste stream contain less than 80 percent, by volume, organic debris. The waste stream also contains small amounts of soil and homogeneous solids (e.g., liquid absorbed in soda ash or SP-400 Water Works); however, individual drums contain much less than 50 percent, by volume, soil and homogeneous solids.

Based on this evaluation, Waste Matrix Code S5400, Heterogeneous Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in DOE/LLW-217, *DOE Waste Treatability Group Guidance* (Reference 4). This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an inorganic debris (S5100) or organic debris (S5300).

5.4.1.2 Waste Material Parameters

As described in the previous section, the OSR 29-90 forms include estimated WMP weight percents (Reference M001, M013, and M014). An evaluation of the data from the original population of 276 drums in waste stream SR-SWMF-HET-A indicates that the waste is predominantly organic at about 67 wt%. The 276 containers included in the

evaluation represent approximately 60 percent of the current waste stream. The results from this evaluation are presented in Table 5-1, Waste Stream SR-SWMF-HET-A Waste Material Parameters. This evaluation is documented in a memorandum (included with Attachment 6 completed per CCP-TP-005) (Reference 1).

Table 5-1. Waste Stream SR-SWMF-HET-A Waste Material Parameters

Waste Material Parameter	Avg. Weight Percent	Weight Percent Range
Iron-Based Metals/Alloys	11.7%	0 – 100%
Aluminum-Based Metals/Alloys	0.4%	0 – 81.8%
Other Metals	19.2%	0 – 100%
Other Inorganic Materials	1.6%	0 – 46.1%
Cellulosics	14.4%	0 – 100%
Rubber	9.3%	0 – 100%
Plastic (waste materials)	42.7%	0 – 100%
Organic Matrix	<0.1%	0 – 39.5%
Inorganic Matrix	0.5%	0 – 66.7%
Soils/Gravel	<0.1%	0 – 23.8%
Total Organic Waste Avg.	**66.9%**	
Total Inorganic Waste Avg.	**33.1%**	

5.4.2 Radiological Characterization

The radiological content of waste stream SR-SWMF-HET-A is based primarily on SRS radioassay in combination with scaling methods. The radioassay systems consist of the SRS Passive Active Neutron Assay and Control System, the Canberra Inspector System (portable gamma system), and the ORTEC Mobile ISO-CART System (portable gamma system). Isotopic distributions were developed from the parent drum waste stream (see AK Summary Reports in Section 5.1) for scaling undetected radionuclides or a composite distribution was used. In several cases where no radionuclides were detected, the radioassay system's Pu-239 minimum detectable activity was reported and used for scaling other radionuclides. In a few instances, the Pu-239 equivalent curie quantity was derived from the parent drum or from the TVEF glovebox holdup inventory and converted to Pu-239 mass which was used for scaling other radionuclides (References C007, C052, C076, M001, M003, M004, M005, M006, M007, M008, M013, M014, M015, M016, M018, M019, M020, and M034).

To determine isotopic ratios for waste stream SR-SWMF-HET-A as a whole, the total gram value of each individual radionuclide for 454 of the 684 containers in the waste stream (approximately 66 percent) was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers."

The individual radionuclide gram values were converted to activity, and the same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers." As shown in Table 5-2, Waste Stream SR-SWMF-HET-A Radiological Characterization, U-238 and Pu-239 are the two most predominant radionuclides by mass; however, U-238 was present in significant quantities in only 24 of the containers in the waste stream. Without those 24 containers, Pu-239 and Pu-240 are the two most predominant radionuclides by mass (References C052, C055, and M020). The radiological evaluation for this waste stream is documented in the nondestructive assay (NDA) Memorandum as required by CCP-TP-005 (Reference 1).

Table 5-2. Waste Stream SR-SWMF-HET-A Radiological Characterization

Isotope	Total Radionuclide Wt%[1]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	Trace[5]	0.00% - 22.55%	1.66%	0.00% - 74.00%	Yes
Pu-238	Trace	0.00% - 99.90%	46.10%	0.00% - 99.96%	Yes
Pu-239	**0.14%**	0.00% - 99.28%	5.94%	0.00% - 99.99%	Yes
Pu-240	Trace	0.00% - 44.56%	1.21%	0.00% - 7.24%	Yes
Pu-242	0.01%	0.00% - 16.69%	0.02%	0.00% - 0.07%	Yes[6]
U-233	Trace	0.00% - 0.93%	Trace	0.00% - 0.05%[7]	Yes
U-234	Trace	0.00% - 52.85%	0.02%	0.00% - 1.63%[7]	Yes
U-238	**99.83%**	0.00% - 99.92%	0.02%	0.00% - 33.35%[7]	Yes
Cs-137	Trace	0.00% - 0.06%	0.34%	0.00% - 1.21%	Yes
Sr-90	Trace	0.00% - 0.04%	2.08%	0.00% - 7.37%	Yes
Additional Radionuclides					
Am-242m	Trace	0.00% - 0.36%	Trace	0.00% - 0.57%	Yes
Am-243	Trace	0.00% - 5.71%	Trace	0.00% - 0.64%	Yes
Ba-137m	Trace	0.00% - Trace	0.33%	0.00% - 1.16%	Yes
C-14	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ce-144	Trace	0.00% - Trace	Trace	0.00% - Trace	
Cm-243	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-244	Trace	0.00% - 1.41%	0.40%	0.00% - 63.75%	Yes
Cm-245	Trace	0.00% - 0.07%	Trace	0.00% - Trace	Yes
Cm-246	Trace	0.00% - 0.06%	Trace	0.00% - Trace	Yes
Cm-247	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-248	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Co-60	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cs-134	Trace	0.00% - Trace	Trace	0.00% - 0.03%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Eu-155	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
H-3	Trace	0.00% - Trace	0.01%	0.00% - 0.04%	Yes
I-129	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
K-40	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Kr-85	Trace	0.00% - Trace	Trace	0.00% - 0.02%	Yes
Np-237	Trace	0.00% - 100.00%	Trace	0.00% - 100.00%	Yes
Pm-147	Trace	0.00% - Trace	Trace	0.00% - 0.02%	Yes
Po-210	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes

Table 5-2. Waste Stream SR-SWMF-HET-A Radiological Characterization (Continued)

Isotope	Total Radionuclide Wt%[1]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
PR-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Pu-241	Trace	0.00% - 69.69%	39.87%	0.00% - 95.57%	Yes
Ra-226	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Rh-106	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
RU-106	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Sm-151	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Tc-99	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Te-123	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
U-235	Trace	0.00% - 98.20%	Trace	0.00% - 1.78[7]	Yes
U-236	Trace	0.00% - 1.72%	Trace	0.00% - Trace	Yes
Y-90	Trace	0.00% - Trace	Trace	0.00% - 0.19%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy. Its value is calculated based on other measured plutonium isotopes.
7. Upper range values are from CCP NDA characterization results not waste generator reported data.

5.4.3 Chemical Content Identification – Hazardous Constituents

Waste from the TVEF operations, the MORK and the F-Area Repackaging Enclosures has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as hazardous with additional toxicity characteristic and listed codes. A review of available AK documentation has determined that this waste is hazardous; however, the additional HWNs do not apply to this waste stream. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D032, D034, D035, D037, D039, D040, D043, F001, F002, F003, F004, F005, F007, F009, U002, U133, and U151 to this waste stream; however, based upon the discussion below, only D008, F001, F002, F004, F005, F007, F009, U133, and U151 have been assigned to waste stream SR-SWMF-HET-A. EPA HWNs D004, D005, D006, D007, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D032, D034, D035, D037, D039, D040, D043, F003, and U002 were not assigned. EPA HWNs were assigned to waste stream SR-SWMF-HET-A based on a review of available AK documentation that identified chemical usage and potentially hazardous materials that may have been introduced into the waste stream. Table 5-3 lists the EPA HWNs assigned to waste stream SR-SWMF-HET-A. Material Safety Data Sheet information has also been compiled (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, DR001, and M002).

Table 5-3. SR-SWMF-HET-A EPA Hazardous Waste Numbers

EPA Hazardous Waste Number	Constituent
Toxicity Characteristic Metals	
D008	Lead (in leaded gloves, paint chips, shielding, batteries, and blankets)
F-Listed Constituents	
F001	Carbon tetrachloride
F001, F002	Methylene chloride
F001, F002	Tetrachloroethylene
F001, F002	1,1,1-Trichloroethane
F001, F002	Trichloroethylene
F001, F002	1,1,2-Trichloro-1,2,2-trifluorethane
F002	Chlorobenzene
F002	ortho-Dichlorobenzene
F002	1,1,2-Trichloroethane
F002	Trichlorofluoromethane
F004	Nitrobenzene
F005	Benzene
F005	Carbon disulfide
F005	2-Ethoxyethanol
F005	Isobutanol
F005	Methyl ethyl ketone
F005	2-Nitropropane
F005	Pyridine
F005	Toluene
F007	Spent cyanide plating bath solutions
F009	Spent cyanide stripping and cleaning bath solutions
U-Listed Constituents	
U133	Hydrazine
U151	Mercury

Table 5-4. SR-SWMF-HET-A Toxicity Characteristic and Listed Constituents

Chemical	EPA HWNs	Use/Source	References
Lead	D008	leaded gloves, paint chips, shielding, batteries, and blankets	M001, M013, M014, M016, P005, P008, P009
Carbon tetrachloride	F001	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Methylene chloride	F001, F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Tetrachloroethylene	F001, F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
1,1,1-Trichloroethane	F001, F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Trichloroethylene	F001, F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
1,1,2-Trichloro-1,2,2-trifluorethane	F001, F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Chlorobenzene	F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
ortho-Dichlorobenzene	F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
1,1,2-Trichloroethane	F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Trichlorofluoromethane	F002	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Nitrobenzene	F004	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Benzene	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Carbon disulfide	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
2-Ethoxyethanol	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Isobutanol	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001

Table 5-4. SR-SWMF-HET-A Toxicity Characteristic and Listed Constituents (Continued)

Chemical	EPA HWNs	Use/Source	References
Methyl ethyl ketone	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
2-Nitropropane	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Pyridine	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Toluene	F005	Repackaging of hazardous waste from parent waste stream	C001, C002, DR001
Spent cyanide	F007	Repackaging of hazardous waste from a parent stream contaminated with spent cyanide plating bath solutions from electroplating operations	C001, C002, DR001
Spent cyanide	F009	Repackaging of hazardous waste from a parent stream contaminated with spent stripping and cleaning bath solutions from cyanide electroplating operations	C001, C002, DR001
Hydrazine	U133	Repacking of hazardous waste from parent waste stream	C001, C002, DR001
Mercury	U151	Repacking of hazardous waste from parent waste stream	C001, C002, DR001

5.4.3.1 Toxicity Characteristic Metals

Waste stream SR-SWMF-HET-A meets the definition of toxicity for metal compounds as defined in 40 Code of Federal Regulations (CFR) Part 261.24 *Identification and Listing of Hazardous Waste* (Reference 20). The debris wastes exhibit the characteristic of toxicity for lead due to the presence of leaded gloves used on the TVEF glovebox, lead contaminated paint chips from F-Area remediation operations, lead shielding, batteries, and lead blankets. Waste stream SR-SWMF-HET-A is assigned EPA HWN D008 (References C076, M001, M013, M014, M016, P005, P008, and P009).

The waste stream includes some drums containing fluorescent bulbs (along with other debris waste). According to the Generator Certification Official, the bulbs are the low mercury variety with green ends. These bulbs do not exhibit the characteristic of toxicity for mercury (Reference C005). The parent drums being repackaged are also assigned additional toxicity characteristic metal EPA HWNs (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, and 25). However, this waste stream is predominantly job control

waste generated during the repackaging process. Any contact these wastes may have had with the waste being repackaged would be incidental or would meet the definition of an empty container as defined in 40 CFR 261.7 (e.g., punctured aerosol cans), and therefore, these compounds, if present at all, will be well below the regulatory threshold limit (Reference DR001).

5.4.3.2 Toxicity Characteristic Organics

Waste stream SR-SWMF-HET-A does not meet the definition of toxicity for organic compounds as defined in 40 CFR 261.24 (Reference 20). Toxicity characteristic organic compounds were not used in the VE and repackaging process conducted in the TVEF/MWPF, MORK, and F-Area Repackaging Enclosures. Parent drums being repackaged are assigned toxicity characteristic organic EPA HWNs (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, and 23). However, this waste stream is predominantly job control waste generated during the repackaging process. Any contact these wastes may have had with the waste being repackaged would be incidental or would meet the definition of an empty container as defined in 40 CFR 261.7 (e.g., punctured aerosol cans), and therefore, toxicity characteristic organic compounds, if present at all, will be well below the regulatory threshold limit (Reference DR001).

5.4.3.3 F-Listed Constituents

Waste stream SR-SWMF-HET-A is an F-listed hazardous waste because the debris wastes were contaminated during repackaging of hazardous wastes from non-specific sources as listed in 40 CFR 261.31 (Reference 20). Although any contact with the repackaged waste would be incidental, it would still meet the definition of F-listed waste via the mixture rule (References 9 and 20). In addition, SRS assigned F-listed HWNs to this waste. Therefore, waste stream SR-SWMF-HET-A is assigned EPA HWNs F001, F002, F004, F005, F007, and F009 (References C001, C002, and DR001). The specific constituents are listed in Table 5-3.

EPA HWN F003 was assigned to debris waste being repackaged in the TVEF/MWPF and MORK (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, and 23). However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-A is not an F003-listed hazardous waste (Reference 9).

5.4.3.4 U-, P-, and K- Listed Wastes

Waste stream SR-SWMF-HET-A does not contain discarded unused commercial chemical products, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 20). However, a portion of the waste repackaged in the TVEF/MWPF and MORK was assigned EPA HWNs U002 (acetone), U133 (hydrazine), and U151 (mercury) (References 12, 14, M001, M013, and M014). Although any contact with the repackaged waste would be incidental, EPA HWNs U133 and U151 are assigned to waste stream SR-SWMF-HET-A

because the debris wastes were contaminated during the repackaging of these U-listed hazardous wastes (References 9, 20, C001, C002, and DR001). Although hydrazine itself is a reactive chemical, this debris waste stream does not exhibit the characteristic of reactivity because it would only be present in minute quantities. EPA HWN U002 is not assigned to this waste stream because it is listed solely for ignitability, and this debris waste stream does not exhibit the characteristic of ignitability as the acetone is not in liquid form (References C008, C009, and DR001).

Hydrofluoric acid (U134-listed waste) may be present as a contaminant in some parent drums; however, there is no indication that unused acid or materials from spills of the acid were disposed of in this waste stream, therefore, U-134 is not applied. Trace amounts of beryllium may be present in some parent drums due to past beryllium operations on the site (Reference D003). The presence and quantity of beryllium has been reported on the OSR 29-90 form since 2005. The containers in this waste stream with a beryllium checkbox on the 29-90 indicate no beryllium is present (References M001, M013, M014, and M016). Beryllium in quantities of less than one gram has been exempt from this reporting requirement since early-2006. However, this exemption does not extend to specific Industrial Hygiene labeling requirements for beryllium containers and, therefore, a beryllium waste label may be affixed to a parent drum even if the beryllium quantity in the waste is not reported (Reference P002). Drums with generator data indicating that beryllium may be present are not accepted for processing in the TVEF (Reference D003). Therefore, any beryllium present in waste stream SR-SWMF-HET-A will be less than one percent by weight of the waste in any payload container, including ten-drum overpacks. Any beryllium present in this waste stream does not meet the definition of a P015-listed waste (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, and 25).

This waste is not a hazardous waste originating from any of the specific sources listed in 40 CFR 261.32 (Reference 20). Therefore, waste stream SR-SWMF-HET-A is not a K-listed hazardous waste (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, and 25).

5.4.3.5 Ignitables, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in 40 CFR 261.

Ignitability

The debris materials in waste stream SR-SWMF-HET-A do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 20). Ignitable liquids were not used in the TVEF/MWPF or MORK (References C003 and C006). The waste is not an oxidizer, and it is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Several containers are full of un-punctured aerosol cans which will be punctured prior to WIPP disposal (see Section 5.4.4). Waste stream SR-SWMF-HET-A is therefore not ignitable and is not assigned EPA HWN D001 (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, and 25).

TRU waste generated in the TVEF/MWPF, MRS, and F-Area Repackaging Enclosures was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, and P003). The SRS E-Area TRU Pads Transuranic Waste Acceptance Criteria procedure describes general information and requirements for TRU waste generators for preparing and shipping TRU and mixed TRU waste to the SWMF for storage. Prohibited items listed in the SRS WAC include ignitable wastes, compressed gases, non-radioactive pyrophorics, and chemicals that will adversely react with other components in the container to result in flammable gas generation. If any of the SRS WAC cannot be met or a prohibited item is associated with the waste, a deviation may be requested by the generator (References M009 and P002).

Calcium metal was used in FB-Line and is potentially present in parent drums. In 2002, SRS evaluated the granular form of calcium metal used in FB-Line and determined that it does not meet the definition of ignitability (References 11, 12, and 13). Drums known to potentially contain pyrophoric materials are not allowed in the TVEF, MRS, or F-Area Repackaging Enclosures. Drums containing more than two gallons of liquids are not processed in the TVEF/MWPF, and drums containing more than five gallons of liquids are not processed in the MRS. Sealed containers with liquids (excluding aerosol cans) are not processed in the TVEF/MWPF or MORK (References D003, D004, P005, P006, P007, P008, P009, and P010). During the repackaging process, empty aerosol cans, aerosol cans with liquids, and containerized liquids are placed into separate drums for further processing (Reference P004). Containerized liquids are processed in the F-Area Repackaging Enclosures (References D018, P021, P022, and P025).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22 (Reference 20). Corrosive liquids were not used in the TVEF/MWPF, MORK, or F-Area Repackaging Enclosures (Reference C006). Waste stream SR-SWMF-HET-A is therefore not corrosive and is not assigned EPA HWN D002.

TRU waste generated in the TVEF/MWPF, MRS, and F-Area Repackaging Enclosures was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, and P003). The SRS E-Area TRU Pads Transuranic Waste Acceptance Criteria procedure describes general information and requirements for TRU waste generators for preparing and shipping TRU and mixed TRU waste to the SWMF for storage. Prohibited items listed in the SRS WAC include corrosive wastes and chemicals that will adversely react with other components in the container to result in corrosion (Reference P002).

Sealed containers with liquids (excluding aerosol cans) are not processed in the TVEF/MWPF or MORK (References D003, D004, P005, P006, P007, P008, P009, and P010). During the repackaging process, aerosol cans with liquids and containerized liquids are placed into separate drums for further processing (Reference P004).

Sealed containers with liquids (excluding aerosol cans) are opened, pH adjusted, if needed, and absorbed in the F-Area Repackaging Enclosures (References D018, P021, P022, and P025).

Reactivity

The debris materials in waste stream SR-SWMF-HET-A do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 20). The waste is stable and will not undergo violent chemical change without detonating. The waste will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain reactive cyanide or sulfide compounds. There is no indication that the waste contains explosive materials, and it is not capable of detonation or explosive reaction. Waste stream SR-SWMF-HET-A is therefore not reactive and is not assigned EPA HWN D003 (References 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, and 25).

TRU waste generated in the TVEF/MWPF, MRS, and F-Area Repackaging Enclosures was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, and P003). The SRS E-Area TRU Pads Transuranic Waste Acceptance Criteria procedure describes general information and requirements for TRU waste generators for preparing and shipping TRU and mixed TRU waste to the SWMF for storage. Prohibited items listed in the SRS WAC include reactive wastes, explosives, and chemicals that will adversely react with other components in the container to result in explosion, heat generation, non-flammable gas generation, or toxic by-product generation (Reference P002).

Squibs (electrical discharge plugs) are deactivated prior to disposal (References C005, M001, P005, and P006). Drums known to potentially contain explosive materials are not allowed in the TVEF, MRS, or F-Area Repackaging Enclosures. Sealed containers with liquids (excluding aerosol cans) are not processed in the TVEF/MWPF or MORK (References D003 and D004). During the repackaging process, unpunctured aerosol cans are placed into separate drums (Reference P004). Sealed liquid containers are processed in the F-Area Repackaging Enclosures (References D018, P021, P022, and P025). Reactive metals were not disposed in TRU waste drums (References 14, 15, 16, 17, 22, and 23). Calcium metal was used in FB-Line and is potentially present in parent drums. In 2002, SRS evaluated the granular form of calcium metal used in FB-Line and determined that it does not meet the definition of reactivity (References 11, 12, and 13).

5.4.3.6 Polychlorinated Biphenyls

The EPA banned the manufacturing, processing, and distribution of polychlorinated biphenyls (PCBs) in commerce in 1979; consequently, the potential for PCB contamination of TRU waste in waste stream SR-SWMF-HET-A was expected to be limited. However, repackaging operations have identified the presence of PCBs in debris waste in a few of the containers (e.g. PCB light ballasts). Therefore, containers with PCB waste, identified during real-time radiography (RTR) or VE, will be managed

as Toxic Substances Control Act (TSCA) waste under 40 CFR 761-*Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions* (Reference 21).

5.4.4 Prohibited Items

Certified RTR and/or VE are performed by CCP to ensure the absence of prohibited quantities of liquid. Since absorbed waste is included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP, or having sealed containers greater than four liters, unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

The TVEF/MWPF, MORK, and F-Area Repackaging Enclosures are three of the facilities used by CCP to remove prohibited items from TRU waste drums (References P005 and P006). During prohibited item removal, empty aerosol cans from numerous parent drums were collected in separate drums. These drums have been included in this waste stream. The aerosol cans must be punctured prior to shipment to WIPP (References M001, M009, M013, M014, M016, M031, M032, and M033).

5.5 Waste Packaging

Procedure SWMF-WM-TRU-02 requires that a new waste container is prepared per SRS WAC or U.S. Department of Transportation (DOT) requirements, and ensures that the container integrity is acceptable, the container type is approved, and is properly vented (Reference P004). The OSR 29-90 forms indicate this waste is packaged in 55-gallon drums without 90-mil high density polyethylene liners (References M001, M014, M016, and P002). However, packaging procedures allow for the use of a 90-mil polyethylene liner with lid. The SRS WAC specifies that TRU waste drums are DOT 7A, Type A with filter vents approved by the SRS Solid Waste Division (SWD). Internal containers (plastic bags are not considered containers) require a hole at least 3/8-inch in diameter. Waste materials with sharp edges or projections are taped or additionally protected, and bulky or heavy waste items are blocked inside the container to prevent shifting. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid. During waste management and drum storage activities, following initial waste generation, 55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination. These containers will be repacked into 55-gallon drums or may be direct loaded into unlined DOT 7A, Type A SWBs. In addition, 85-gallon drums may also be direct loaded into SWBs (References M032, P002, P004, P010, P021, P022, P025, P030, P032, P034, and P046).

Waste may also be packaged into unlined DOT 7A, Type A SWBs. The use of heat-sealed unvented bags is prohibited and waste items with sharp edges or projections are taped to ensure package integrity. Bulky or heavy waste items are blocked inside the container to prevent shifting during handling. In addition, a program is in place to package/repackage waste into SWBs and TRUPACT-III SLB2s. Prior to packaging, inner containers (if present) and waste items are examined. If liquid is present, absorbent is added to the SWB or SLB2 (e.g., pig pillows). The inner containers (if present) are then loaded into an unlined SWB or SLB2, or the waste is removed from the inner containers and loaded directly into an unlined SWB or SLB2. Plastic is used for contamination control; however, it is removed before the container is closed (References P002, P021, P031, P032, P034, P040, and P041).

5.5.1 Filter Vents

Payload containers are fitted with CBFO-approved filter vents prior to disposal (References M001, M014, M016, P002, P004, P032, and P034).

5.5.2 Layers of Confinement

The number of confinement layers identified on the OSR 29-90 forms range from zero to four (References M001, M014, and M016). This is consistent with SRS WAC and procedure SWMF-WM-TRU-02 which state that the layers of internal confinement shall not exceed four (References P002 and P004).

6.0 REQUIRED WASTE STREAM INFORMATION: SR-SWMF-HET-B

This section presents the mandatory TRU waste stream specific information required by the WIPP-WAP for waste stream SR-SWMF-HET-B (Reference 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

6.1 Area and Building of Generation

Waste stream SR-SWMF-HET-B was generated as a result of operations such as the solvent tank closure and cleanup and remediation of spills and leaks in the E-Area of the SRS SWMF (References C063, D001, D002, D005, and M022).

6.2 Waste Stream Volume and Period of Generation

Waste stream SR-SWMF-HET-B currently includes 13 55-gallon drums with a total volume of approximately 2.7 cubic meters. The waste was generated from August 1976 to December 1995 (References C061, C077, M022, and M029). Future generation of waste is not expected for this waste stream (Reference C054, C061, and C063). The specific container numbers are provided in the Waste Containers List which is maintained as a quality record as required by procedure CCP TP-005 (Reference 1).

6.3 Waste Generating Activities

Waste stream SR-SWMF-HET-B consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pad 2 in the Old Burial Ground (Building 643G) which is now known as the E-Area of the SRS SWMF. Descriptions of these operations are provided below.

This waste stream includes TRU waste that was generated at the SWMF. The SWMF includes solvent storage tanks that have been closed and filled with grout. The solvent storage tanks contained waste from the Separations PUREX process and may have contained waste from other SRS facilities including the SRNL and Building 772-F. In the radiochemical separations process, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically tributyl phosphate in n-paraffin with residuals of uranium, plutonium, and fission products), is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible and then sent to the tanks for disposal. When the tanks were closed the materials in the tanks were transferred out of the tank, and the tanks were triple rinsed for RCRA closure. The waste stream includes the bag filters that were used during RCRA closure of the tanks. Rinse water and a nonhazardous cleaner were recycled through a trailer-mounted filter unit. The filter bags were placed into lead-lined drums for disposal (References C078, D020, M029, P048, P049, and P050).

A leaking TRU waste container generated at SRNL and stored on TRU Pad 2 as described in DPSP 79-1-8 (Reference C064) was retrieved. The leaking container had been suspected (as evidenced by "low level alpha contamination detected in the pad drainage collection sump shortly after it was stored") since September 1976. It was not found and retrieved until August 1979 (References C056, C063, and C064).

Based on the close proximity of the Incident Date (as described in DPSPU 76-272-367, Separations Incident, SI-76-108 [Reference C058]) to the date on the burial ground record it is believed this waste resulted from clean-up and remediation of the spill. The debris waste in this stream described as "Waste from 100T Low Boy" is consistent with the mention of a low-boy trailer that was contaminated. The spilled liquid originated from an H-Canyon collection tank fed by nitric acid raffinate and decon solutions (Reference C058, C063, and C072).

6.4 Type of Wastes Generated

This section describes the waste materials based on process inputs and outputs, waste matrix code assignment, WMP weight estimates, radionuclide percentages, and hazardous waste determinations for waste stream SR-SWMF-HET-B.

6.4.1 Materials Related to Physical Form

Waste stream SR-SWMF-HET-B is comprised of job control waste including bag filters and concrete from cleanup and remediation of spills in and around the burial grounds associated with Pad 2. Specific items in this waste stream may include job control waste (e.g., rags, plastic and wood from a containment hut), concrete, and waste from a 100 ton low-boy trailer. Source documents state that about 10 square feet of the metal side and support beams and six wooden boards of the low-boy trailer being used to transport a box were contaminated. It is assumed the debris containers in waste stream SR-SWMF-HET-B also contain this contaminated waste. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).

6.4.1.1 Waste Matrix Code

The waste matrix code was assigned to waste stream SR-SWMF-HET-B based on the evaluation of AK information relating to the physical form of the waste recorded on burial ground slips and information provided by RTR Quick Screen for containers in the waste stream. The BGRs and RTR Quick Screen results report greater than 50 percent debris in each container (References DR005, M022, and M027).

Based on this evaluation, Waste Matrix Code S5400, Heterogeneous Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in DOE/LLW-217, *DOE Waste Treatability Group Guidance* (Reference 4). This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an inorganic debris (S5100) or organic debris (S5300).

6.4.1.2 Waste Material Parameters

WMP data was not available for waste stream SR-SWMF-HET-B. However, a brief description of the contents of each container was available in the source documents (References C063 and C072), and a description of observed waste types was recorded in RTR Quick Screen data sheets provided by SRS. Once RTR and/or VE results are available for waste stream SR-SWMF-HET-B, this section may be revised to include new information.

An evaluation of the data compiled from the source document and RTR Quick Screen data sheets indicates that the waste is predominantly inorganic at about 70 wt%. An evaluation was performed on each container in the current SR-SWMF-HET-B waste stream. The results from this evaluation are presented in Table 6-1, Waste Stream SR-SWMF-HET-B Waste Material Parameters.

This evaluation is documented in a memorandum (included with Attachment 6 completed per CCP-TP-005) (Reference 1).

Table 6-1. Waste Stream SR-SWMF-HET-B Waste Material Parameters

Waste Material Parameter	Avg. Weight Percent	Weight Percent Range
Iron-Based Metals/Alloys	27.53%	0 – 84.20%
Aluminum-Based Metals/Alloys	0.00%	0 – 0.00%
Other Metals	0.00%	0 – 0.00%
Other Inorganic Materials	42.96%	0 – 69.04%
Cellulosics	24.52%	0 – 32.63%
Rubber	0.00%	0 – 0.00%
Plastic (waste materials)	4.99%	0 – 31.00%
Organic Matrix	0.00%	0 – 0.00%
Inorganic Matrix	0.00%	0 – 0.00%
Soils/Gravel	0.00%	0 – 0.00%
Total Organic Waste Avg.	29.51%	
Total Inorganic Waste Avg.	70.49%	

6.4.2 Radiological Characterization

Radiological data was available for all but one of the containers in waste stream SR-SWMF-HET-B; however, the burial ground record for the one omitted container listed variety of contamination code 83. The ratios of radionuclides found in variety of contamination code 83 were used for this container in order to perform the calculations in Table 6-2, Waste Stream SR-SWMF-HET-B Radiological Characterization. To determine isotopic ratios for waste stream SR-SWMF-HET-B as a whole, the total isotopic weight percentage for each individual radionuclide reported on the container paperwork for each container in the waste stream (i.e., SR-SWMF-HET-B containers) was divided by the total mass of all radioactive constituents in the waste stream and

converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." As shown in Table 6-2, Pu-239 and Np-237 are expected to be the two most predominant radionuclides by mass (References C068 and P045). The radiological evaluation for this waste stream is documented in the NDA Memorandum as required by CCP-TP-005 (Reference 1).

Table 6-2. Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.16%	0.00% - 0.27%	0.44%	0.00% - 0.52%	Yes
Pu-238	0.30%	0.21% - 0.47%	4.05%	2.41% - 18.58%	Yes
Pu-239	**67.88%**	47.36% - 79.61%	3.28%	0.00% - 6.86%	Yes
Pu-240	**5.43%**	3.04% - 6.54%	0.96%	0.83% - 1.61%	Yes
Pu-242	**0.10%**	0.03% - 0.14%	Trace	0.00% - Trace	Yes[6]
U-233	Not Reported				Yes
U-234	Not Reported				Yes
U-238	Not Reported				Yes
Cs-137	Trace	0.00% - Trace	0.16%	0.00% - 0.27%	Yes
Sr-90	Trace	0.00% - Trace	0.19%	0.00% - 0.12%	Yes
Additional Radionuclides0.64					
Am-242m	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Am-243	3.51%	0.00% - 5.71%	0.54%	0.00% - 0.64%	Yes
Ba-137m	Trace	0.00% - Trace	0.15%	0.00% - 0.26%	Yes
Ce-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-244	0.86%	0.00% - 1.41%	54.33%	0.00% - 63.75%	Yes
Cm-245	0.04%	0.00% - 0.07%	Trace	0.00% - Trace	Yes
Cm-246	0.03%	0.00% - 0.06%	Trace	0.00% - Trace	Yes
Cm-247	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-248	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cs-134	Trace	0.00% - Trace	0.02%	0.00% - 0.03%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Eu-155	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
H-3	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Kr-85	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Np-237	**21.22%**	10.28% - 48.80%	0.01%	0.00% - 0.08%	Yes
Pm-147	Trace	0.00% - Trace	0.02%	0.00% - 0.02%	Yes
Pr-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Pu-241	0.45%	0.30% - 0.52%	35.75%	28.60% - 72.86%	Yes
Rh-106	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ru-106	Trace	0.005 - Trace	Trace	0.00% - Trace	Yes
Sm-151	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Tc-99	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Te-125	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes

Table 6-2. Waste Stream SR-SWMF-HET-B Radiological Characterization (Continued)

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
U-235	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Y-90	Trace	0.00% - Trace	0.12%	0.00% - 0.19%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy. Its value is calculated based on other measured plutonium isotopes.

6.4.3 Chemical Content Identification – Hazardous Constituents

Waste from the SWMF has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for spill cleanup and remediation debris waste. Instead the containers were managed individually as hazardous waste with toxicity characteristic and listed HWNs. A review of available AK documentation and container paperwork was performed and it was determined that this waste is hazardous. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005. EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. Table 6-3, SR-SWMF-HET-B EPA Hazardous Waste Numbers, lists the EPA HWNs assigned to waste stream SR- SWMF-HET-B (References 14, 17, C008, C009, C069, C070, C077, DR004, M022, M025, P005, and P008).

Table 6-3. SR-SWMF-HET-B EPA Hazardous Waste Numbers

Toxicity Characteristic Metals	
D004	Arsenic
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D010	Selenium
D011	Silver
Toxicity Characteristic Organic Compounds	
D019	Carbon Tetrachloride
D022	Chloroform
D027	1,4-Dichlorobenzene
D028	1,2-Dichloroethane
D029	1,1-Dichloroethylene
D043	Vinyl Chloride
F-Listed Constituents	
F002	Chlorobenzene
F002	ortho-Dichlorobenzene
F002	Methylene chloride
F002	Tetrachloroethylene
F002	1,1,1-Trichloroethane
F002	1,1,2-Trichloroethane
F002	Trichloroethylene
F002	1,1,2-Trichloro-1,2,2-trifluorethane
F004	Nitrobenzene
F005	Benzene
F005	Carbon disulfide
F005	Methyl ethyl ketone
F005	2-Nitropropane
F005	Pyridine
F005	Toluene
U-Listed Constituents	
U133	Hydrazine

6.4.3.1 Toxicity Characteristic Metals

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic metal compounds as defined in 40 CFR 261.24 (Reference 20). The debris waste is expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver due to the potential presence of these constituents in the solvent tank samples and in cleanup and remediation waste resulting from spills. Although D011 was not historically assigned to this waste by SRS, it was historically assigned to the TRU waste generated in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were originally assigned to this waste stream by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, and D011 (References C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009).

6.4.3.2 Toxicity Characteristic Organics

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24 (Reference 20). The debris waste is expected to exhibit the characteristic of toxicity for carbon tetrachloride, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, and vinyl chloride due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Since data are not available that demonstrate the concentration of these organic constituents is less than the toxicity characteristic regulatory level, waste stream SR-SWMF-HET-B is assigned EPA HWNs D019, D022, D027, D028, D029, and D043 (References C008, C009, C069, C070, D001, D002, DR004, M022, and M025).

This waste stream is also contaminated with the toxicity characteristic organic compounds benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene due to the potential presence of these constituents in the solvent tank samples and cleanup and remediation waste resulting from spills. However, since the more specific F-listed EPA HWNs have been assigned for these constituents, EPA HWNs D018, D021, D035, D036, D038, D039, and D040 are not assigned to waste stream SR-SWMF-HET-B.

6.4.3.3 F-Listed Constituents

Waste stream SR-SWMF-HET-B contains or is mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.3 (Reference 20). The debris waste is expected to be contaminated with F-listed constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills. The specific hazardous constituents identified in the source documents as associated with the F-listed HWNs

are listed in Table 6-3. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs F002, F004, and F005 (References 9, 20, C001, C002, C008, C009, C069, C070, DR004, M022, and M025).

The EPA has provided a regulatory clarification that the F001-listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 9). Large-scale degreasing operations were not historically conducted in the facilities where the spills originated (References 14, 17). Therefore, waste stream SR-SWMF-HET-B is not an F001-listed hazardous waste.

Several F003-listed solvents were identified in the facilities where the spills originated (References 14, 17). However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

6.4.3.4 U-, P-, and K- Listed Wastes

Based on review of AK relative to chemicals and materials used or present in the waste, Waste stream SR-SWMF-HET-B may contain or is mixed with a discarded unused commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 20).

Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during Np oxalate precipitation at the HB-Line (the source of origin of some of the waste which generated this waste stream). It is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery. Therefore, U133 for hydrazine is applied to this waste stream (References C056, C057, C058, C059, C064, C065, C066, DR004, M022, and M025).

HB-Line managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical or used as a pure chemical in any process, consistent with scrap dissolution procedures; therefore, U134 for hydrofluoric acid will not be applied to this waste stream (Reference 14).

Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site (Reference D003). Debris wastes contaminated during the spill cleanup and remediation would also only contain trace amounts of beryllium, if present. Therefore, any beryllium present in waste stream SR-SWMF-HET-B will be less than one percent by weight of the waste in any payload container, including ten-drum overpacks. Any beryllium present in this waste stream does not meet the definition of a P015-listed waste. Waste stream SR-SWMF-HET-B is therefore not assigned a P-listed HWN (References DR004, M022, and M025).

6.4.3.5 Ignitables, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in 40 CFR 261.

Ignitability

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 20). Ignitable liquids were not used in cleanup or remediation (References M022 and M025). The waste is not an oxidizer, and it is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P037, P038, and P039). Prohibited items listed in the SRS WAC include ignitable wastes and compressed gases. If any of the SRS WAC cannot be met or a prohibited item is associated with the waste, a deviation may be requested by the generator. One deviation was approved for the drum remediation process for empty aerosol cans (Reference M009).

Certified RTR and/or VE are performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not ignitable and is not assigned EPA HWN D001 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Corrosivity

The debris waste in waste stream SR-SWMF-HET-B is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) as defined in 40 CFR 261.22 (Reference 20). Corrosive liquids were not used during spill cleanup and remediation (References M022 and M025). TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, P037, P038, and P039).

Certified RTR and/or VE are performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not corrosive and is not assigned EPA HWN D002 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Reactivity

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 20). The waste is stable and will not undergo violent chemical change without detonating. The waste will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain reactive cyanide or sulfide compounds. There is no indication that the waste contains explosive materials, and it is not capable of detonation or explosive reaction. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, and P037, P038, and P039).

Waste stream SR-SWMF-HET-B is therefore not reactive and is not assigned EPA HWN D003 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

6.4.3.6 Polychlorinated Biphenyls

PCBs have not been identified in waste stream SR-SWMF-HET-B. Repackaging operations have identified the presence of PCBs in debris waste in two of the containers in waste stream SR-SWMF-HET-A (e.g., PCB light ballasts); however, PCBs are not expected in debris generated during cleanup and remediation. Therefore, this waste stream is not regulated as a TSCA waste under 40 CFR 761 (References M022 and M025).

6.4.4 Prohibited Items

Certified RTR and/or VE are performed by CCP to ensure the absence of sealed containers greater than four liters and prohibited quantities of liquid. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP, or having containers greater than four liters, unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

6.5 Waste Packaging

Procedure DPSOP 40 requires the use of acceptable containers specified by procedures for packaging solid radioactive waste. Specifically, the procedure states that packages of TRU waste shall promptly be placed in 90-mil polyethylene drum liners and the lid sealed, using "Raycohesive" Sealant (or equivalent). The liner is then placed in a DOT 7A, Type A (formerly identified as DOT 17C) galvanized iron drum and the lid sealed in place with a gasket and a drum lid closure ring. Procedure SWMF-WM-TRU-02 requires that a new waste container is prepared in accordance with the SRS WAC or

DOT requirements, and ensures that the container integrity is acceptable, the container type is approved, and is properly vented (Reference P004). Drums containing bag filters have a lead ALARA shield; however, this shielding is not necessary to make the waste contact-handled. Internal containers (plastic bags are not considered containers) require a hole at least 3/8-inch in diameter. Waste materials with sharp edges or projections are taped or additionally protected, and bulky or heavy waste items are blocked inside the container to prevent shifting. The Go West database indicates this waste is packaged in 55-gallon drums with liners, (liners refers to 90-mil polyethylene drum liners). Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid. Waste may also be repackaged into unlined SWBs. During waste management and drum storage activities, following initial waste generation, 55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination (References C077, M022, M025, M029, P002, P004, P010, P021, P022, P025, P030, P032, P034, P037, P038, P039, P040, P041, and P046).

6.5.1 Filter Vents

Payload containers are fitted with CBFO-approved filter vents prior to disposal (References M001, M014, M016, P002, P004, P032, and P034).

6.5.2 Layers of Confinement

The number of confinement layers is not identified in the database, the BGRs, or the RTR Quick Screen data sheets (References M022, M025, and M027). It is assumed the maximum number of confinement layers is five which is the maximum number allowed for TRUCON Code SR 125 / SR 225.

7.0 CONTAINER SPECIFIC INFORMATION

In accordance with procedure CCP-TP-005 (Reference 1), a CCP Waste Containers List (Attachment 8 of the procedure) is completed and maintained as a quality record for waste tracking purposes. Information tracked includes container identification number, waste stream number, and the closure date for each container.

The OSR 29-90 form was completed by SRS waste generators. A few of the key fields on this form are shown below. Additional form-related information is provided in Section 4.5.

Transuranic Waste Container Characterization, OSR 29-90 (References M001, M014, and M016)

- Generator Facility and Generator Organization
- Waste Type
- Waste Name
- Process Generating Waste
- File Sequence Number
- Type of Container
- Gross Weight and Tare Weight
- Date Container Closed
- Layers of Confinement
- Waste Components (Category, Materials, and Wt%)
- Radionuclide (and grams of each radionuclide)
- Pu-239 Fissile Gram Equivalent
- Pu-239 Equivalent Curies

The OSR 7-375 (BGR) form was completed by SRS waste generators. A few of the key fields on this form are shown below. Additional form-related information is provided in Section 4.5.

Transuranic Waste Container Characterization, OSR 7-375 (References M022, M024, and P045)

- Date Shipped
- Shipped From Bldg
- Area
- Variety of Contamination
- Total Quantity
- Isotopic Quantity
- Combustibility Code
- Volume
- Compacted Volume
- Description
- Health Physics Survey Data
- Burial Ground Location
- Burial Ground Remarks

8.0 REFERENCES

1. CCP-TP-005, *CCP Acceptable Knowledge Documentation*

2. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan,* New Mexico Environment Department, Santa Fe, New Mexico

3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

4. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, Idaho Falls, Idaho, INEL-Lockheed Idaho Technologies

5. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. Department of Energy

6. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (as amended)

7. 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982,* U.S. Congress

8. CCP-PO-002, *CCP Transuranic Waste Certification Plan*

9. McCoy and Associates, Inc. 2002. *McCoy's RCRA Unraveled.* Second Edition

10. DOE/TRU-12-3425, *Annual Transuranic Waste Inventory Report – 2012, U.S. DOE*

11. CCP-AK-SRS-1, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W027-221F-HET-A*

12. CCP-AK-SRS-2, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W027-FB-Pre86-C*

13. CCP-AK-SRS-3, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W026-221F-HET, SR-W026-221F-HOM, SR-W026-221F-HEPA, SR-W026-221F-HET-A*

14. CCP-AK-SRS-4, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM*

15. CCP-AK-SRS-5, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-W026-772F-HET*

16. CCP-AK-SRS-6, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-235F-HET, SR-W027-235F-HOM, SR-W027-235F-HEPA*

17. CCP-AK-SRS-7, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-773A-HET, SR-W027-773A-HOM*

18. CCP-AK-SRS-8, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C*

19. CCP-AK-SRS-11, *Central Characterization Program Acceptable Knowledge Summary Report For Allied-General Nuclear Services Barnwell Nuclear Fuel Plant Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-AGNS-HET, SR-AGNS-HOM*

20. 40 CFR Part 261, *Identification and Listing of Hazardous Waste*, U.S. EPA

21. 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions, U.S. EPA*

22. CCP-AK-SRS-9, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste In Retrievable Storage at the Savannah River Site, Waste Stream: SR-MD-PAD1*

23. CCP-AK-SRS-10, *Central Characterization Program Acceptable Knowledge Summary Report For Los Alamos National Laboratory Transuranic Waste In Retrievable Storage at the Savannah River Site, Waste Stream: SR-LA-PAD1*

24. DOE Order 435.1, *Radioactive Waste Management Manual*, U.S. DOE, Environmental Management

25. CCP-AK-SRS-13, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Site Deactivation and Decommissioning Waste, Waste Streams: SR-SDD-HOM-A, SR-SDD-HOM-B, SR-SDD-HET-A*

26. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

27. CCP-AK-SRS-14, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Fuel Fabrication Facility Transuranic Waste, Waste Streams: SR-W027-321-322M-HET, SR-W027-321M-HOM*

28. CCP-AK-SRS-15, *Central Characterization Program Acceptable Knowledge Summary Report For Defense Waste Processing Facility at the Savannah River Site, Waste Stream: SR-DWPF-HET*

29. CCP-AK-SRS-19, *Central Characterization Program Acceptable Knowledge Summary Report For Contact-Handled Transuranic Waste from the Battelle Columbus Laboratories Decommissioning Project, Waste Stream: SR-BCLDP-HET*

30. CCP-AK-SRS-18, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site K-Area Interim Surveillance Transuranic Waste, Waste Stream: SR-KAC-HET*

31. CCP-AK-SRS-20, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site H-Canyon and F-Area Materials Storage Facility Commingled Contact-Handled Transuranic Waste, Waste Stream: SR-HBL-235F-HET*

32. CCP-AK-SRS-21, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Stream: SR-221H-PuOx*

9.0 AK SOURCE DOCUMENTS

Source Document Tracking Number	Title
C001	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During FB-Line Drum Remediation.
C002	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During HB-Line Drum Remediation.
C003	Memo to K. A. Stone SW's TRU Waste Shipments.
C005	E-mail Correspondence from Jeff Lunsford to Jeff Harrison. Subject: SWD031533.
C006	E-mail Correspondence from Jeff Lunsford to Jeff Harrison. Subject: Radiacwash.
C007	Memo to D. M. Cole re: Assay Results for JCW Drums 10/07/04
C008	Memo to M. A. Kokovich re: Applicability of Two RCRA Waste Codes to TRU Waste Generated in FB-Line.
C009	Memo to M. A. Kokovich re: Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line.
C052	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A.
C054	E-mail Correspondence from Jeff Lunsford to Jeff Harrison. Subject: re: Future Generation of SRS-12 Waste.
C055	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A.
C056	Savannah River Plant (SRP) Burial Ground Building 643-G Appraisal Audit
C057	Leaking Fiberglass Burial Cask (DPSPU 76-272-448) – Separations Incident, SI-76-10-150
C058	Contaminated Liquid Spill (DPSPU 76-272-367) – Separations Incident, SI-76-108
C059	Contamination of TRU Pad No. 3 –Cracked Lid on Fiberglass Burial Box (DPSPU 76-272-454) – Separations Incident, SI-76-153
C061	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B
C063	Email from Jeff Lunsford to Jim Schoen, Subject: Fw: More Info Regarding Use of 643-G TRU Waste
C064	Works Technical Report for August 1979, DPSP-79-1-8
C065	Works Technical Report for October 1976, DPSP-76-1-10
C066	Works Technical Report for November 1976, DPSP-76-1-11
C068	Email From Jeff Harrison to Jim Schoen and Mike Papp, Subject: RE: EA Reviews completed on SRS High Pu-240 AK-12 Soils Drums

Source Document Tracking Number	Title
C069	Email from Joseph Price to Jim Schoen re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization
C070	Interoffice Memorandum from J. K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste
C072	Email from Jeff Lunsford to Lisa Watson and Jeff Harrison, Ref: AK Investigation for 643-G Cntr ID's SR89796 & SR89797
C076	Evaluation of Additional Containers for SR-SWMF-HET-A
C077	Evaluation of Additional Containers for SR-SWMF-HET-B
C078	Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution
C080	Memo to A.L. Boni re: Disposition of Waste Received from the Department of Defense
C084	Correspondence from J.N. Chen to B.T. Butcher, K.S. Wierzbiki re: Department of Defense TRU Waste
D001	Savannah River Site Solid Waste Management Facility Documented Safety Analysis.
D002	Solid Waste Management Facility. The Modular Repackaging System on TRU Pad 19 Justification for Continued Operation.
D003	Consolidated Hazards Analysis For The TRU Visual Examination Facility.
D004	Consolidated Hazards Analysis For The Modular Repackaging System On TRU Storage Pad 19.
D005	Consolidated Hazards Analysis For Removal Of Prohibited Items From TRU Drums In The Mixed Waste Processing Facility (U).
D018	Safety Analysis Report FB-Line, F-Canyon, FA-Line and Outside Facilities.
D019	Burial Ground Facility Building 643-G Operations
D020	Solvent Tanks (S23-S30) Interim Closure Plan (U)
DR001	Discrepancy Resolution for EPA Hazardous Waste Numbers
DR004	Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF-HET-B and SR-SWMF-SOIL
DR005	Discrepancy Resolution to assign a container designated by SRS as Waste Stream SR-SWMF-HET-B to SR-SWMF-SOIL and a container designated as Waste Stream SR-SWMF-SOIL to SR-SWMF-HET-B
M001	OSR 29-90 Transuranic Waste Container Characterization Forms for Drums in Waste Stream SR-SWMF-HET-A.
M002	Collection of MSDSs for SR-SWMF-HET-A
M003	Calculation Cover Sheet. Calculation of Curie Fractions Used in Entering Waste Stream in WITS.
M004	Calculation Cover Sheet, Plutonium Equivalent Curie Levels for Aerosol Cans and Job Control Waste Drums from TRU Remediation of HB-Line and 235-F Waste
M005	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 773-A
M006	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 772-F

Source Document Tracking Number	Title
M007	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from FB-Line.
M008	Calculation Cover Sheet, Development of Composite Distributions for Repackaging TRU Waste.
M009	Request for Deviation to SRS Waste Acceptance Criteria Manual. E-Area TRU Remediation Processes.
M013	Evaluation of Additional Containers for SRS-12 Waste Stream SR-SWMF-HET-A
M014	29-90s for Drums Added on 2/11/2008
M015	Evaluation of Additional Drums for Waste Stream SR-SWMF-HET-A.
M016	Additional Transuranic Waste Container Characterization Form (29-90).
M018	Waste Package Data Report for SWD081406.
M019	Addition of 61 Containers to Waste Stream SR-SWMF-HET-A.
M020	Waste Stream SR-SWMF-HET-A Radiological Evaluation.
M021	SR-SWMF-HET-B Container Cross Reference Documents
M022	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B
M024	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-A
M025	Go West Data for CCP-AK-SRS-12
M027	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-HET-B
M029	Burial Ground Records for Containers Added to Waste Stream SR-SWMF- HET-B
M030	Test Authorization: Disposal of DOD Waste
M031	RTR Quick Screen and Drum Prohibited Items Data Sheets
M032	Completed MRS Operations Procedure for Container SR163889
M033	Burial Ground Records for Container SR163889
M034	NDA Data for Container SR163889
P001	SRS Waste Acceptance Criteria Manual
P002	E-Area TRU Pads Transuranic Waste Acceptance Criteria
P003	Waste Characterization and Quantification.
P004	Pad 6 and Pad 19 Generated SWMF TRU/MTRU Waste.
P005	TVEF Operations (U)
P006	MRS Operations (U)
P007	Removal of Prohibited Items (U)
P008	TVEF Removal of Prohibited Items (U)
P009	Introduction and Removal of TRU Waste for Characterization in TVEF (U)
P010	TVEF Operations (U)
P018	Transferring TRU Drums to SWMF.
P019	TRU Drum Inventory Control.
P020	Inventory Control of TRU Repackaging Enclosures.
P021	GCO TRU Drum Remediation
P022	TRU Drum Repackaging.
P025	Absorbing Containerized Liquids.
P026	Replacing TRU Repackaging Enclosure Gloves.
P030	Absorbing Containerized Liquids.

Source Document Tracking Number	Title
P031	Shipment Preparation for TRU Containers to SWMF
P032	Transuranic (TRU) Waste Repackaging in H-Canyon.
P033	F-Canyon Container Transfer
P034	Standard Waste Box Operations (U)
P037	DPSOP40 Savannah River Plant Radiation and Contamination Control /Management of Solid Radioactive Waste
P038	Decontamination of TRU Pad #3
P039	Decontamination of TRU Pad #3 Procedure 2
P040	Solid Waste Operating Procedures Manual Cell 11 TRU Repackaging Operation
P041	Transuranic (TRU) Waste Repackaging of Large Steel Boxes, Standard Large Boxes, and other Miscellaneous Containers in H-Canyon (Phase 11a.1)
P045	Radioactive Solid Waste Burial Record, Enclosure 1
P046	Packaging Sealed Containers With Liquid Waste (U)
P048	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P049	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P050	Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28

Figure 1. Location of E-Area and F-Area at the Savannah River Site

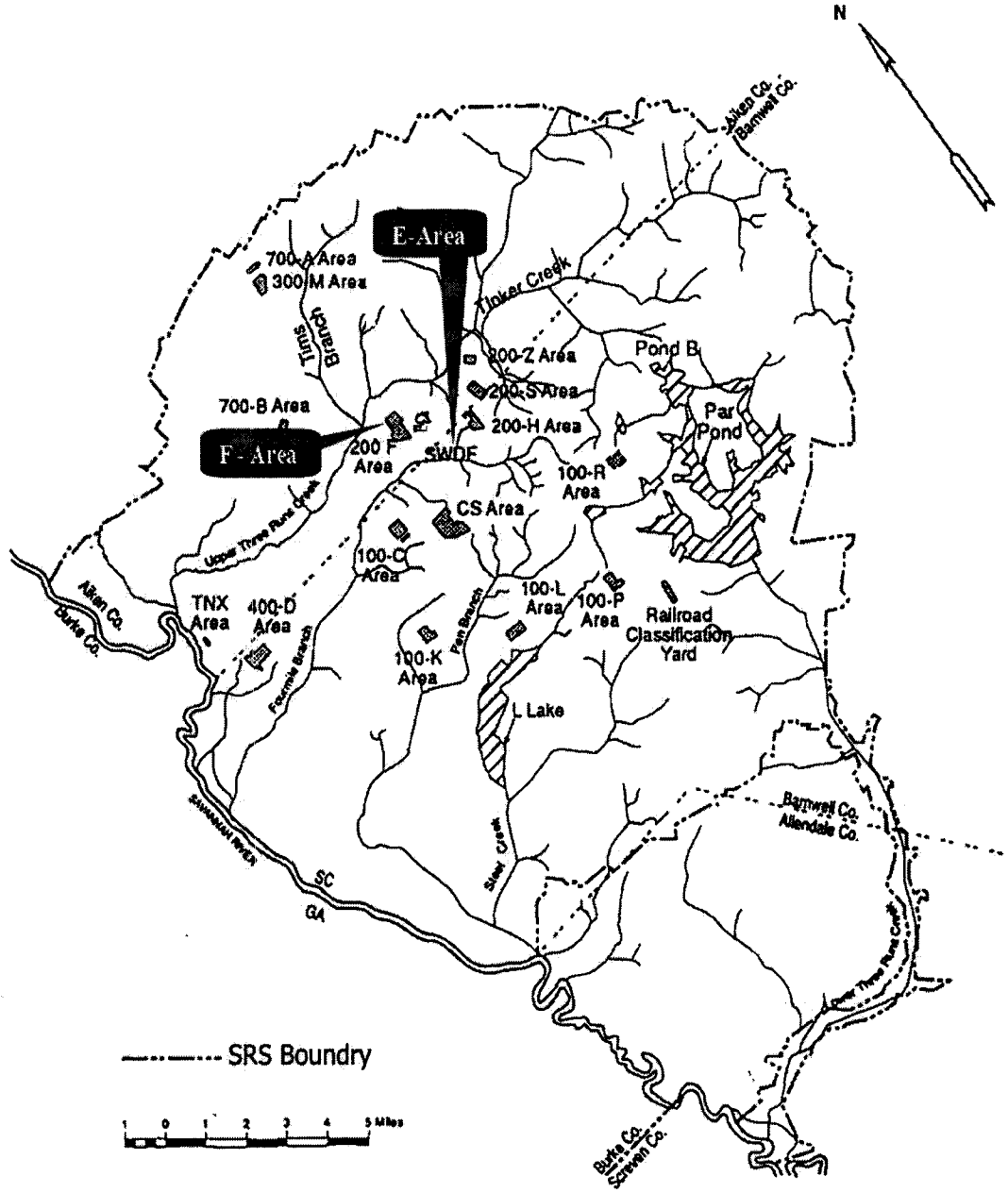


Figure 2. Savannah River Site E-Area TRU Waste Storage Pads

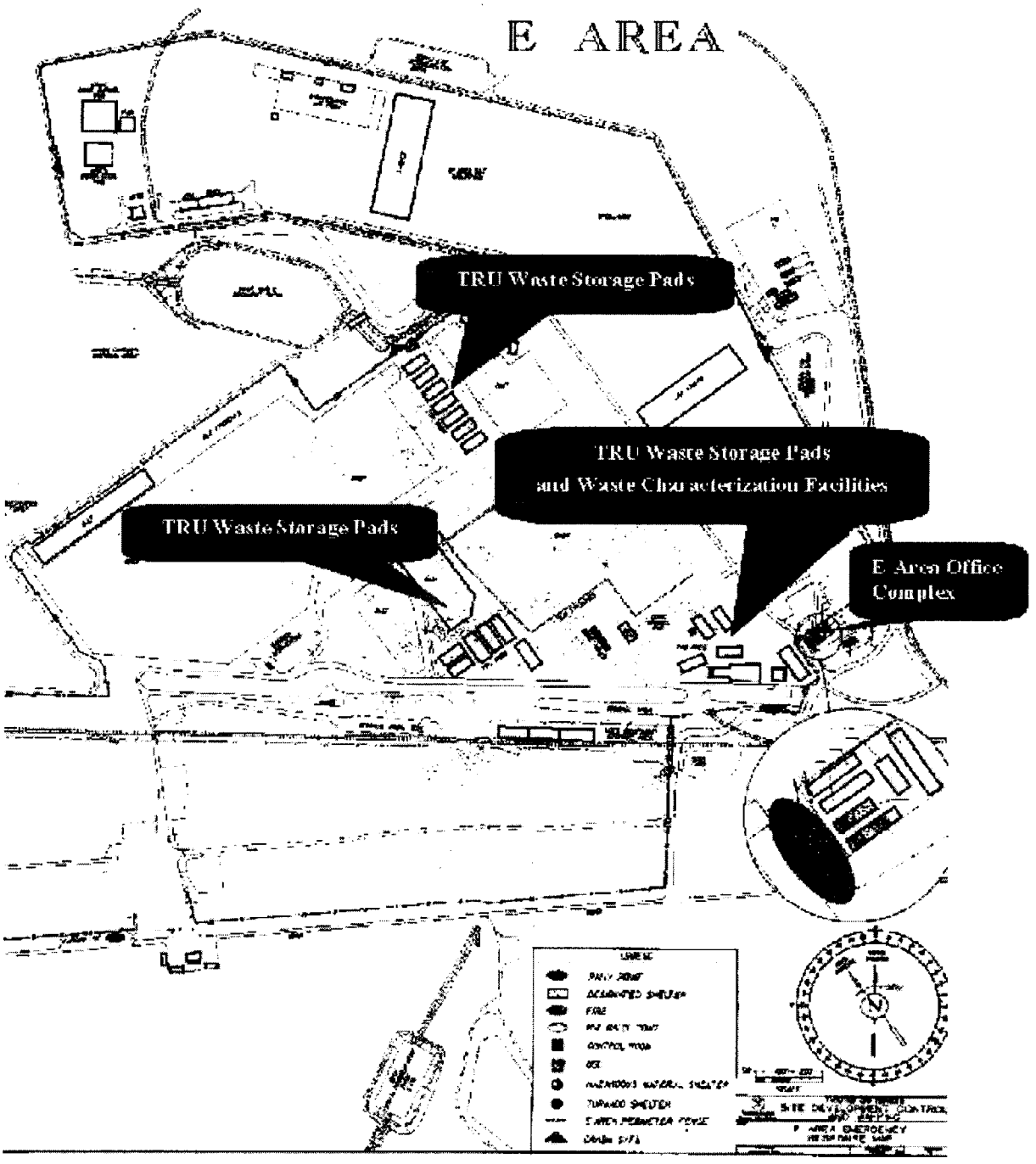


Figure 3. TRU Waste Visual Examination Facility/Mixed Waste Processing Facility

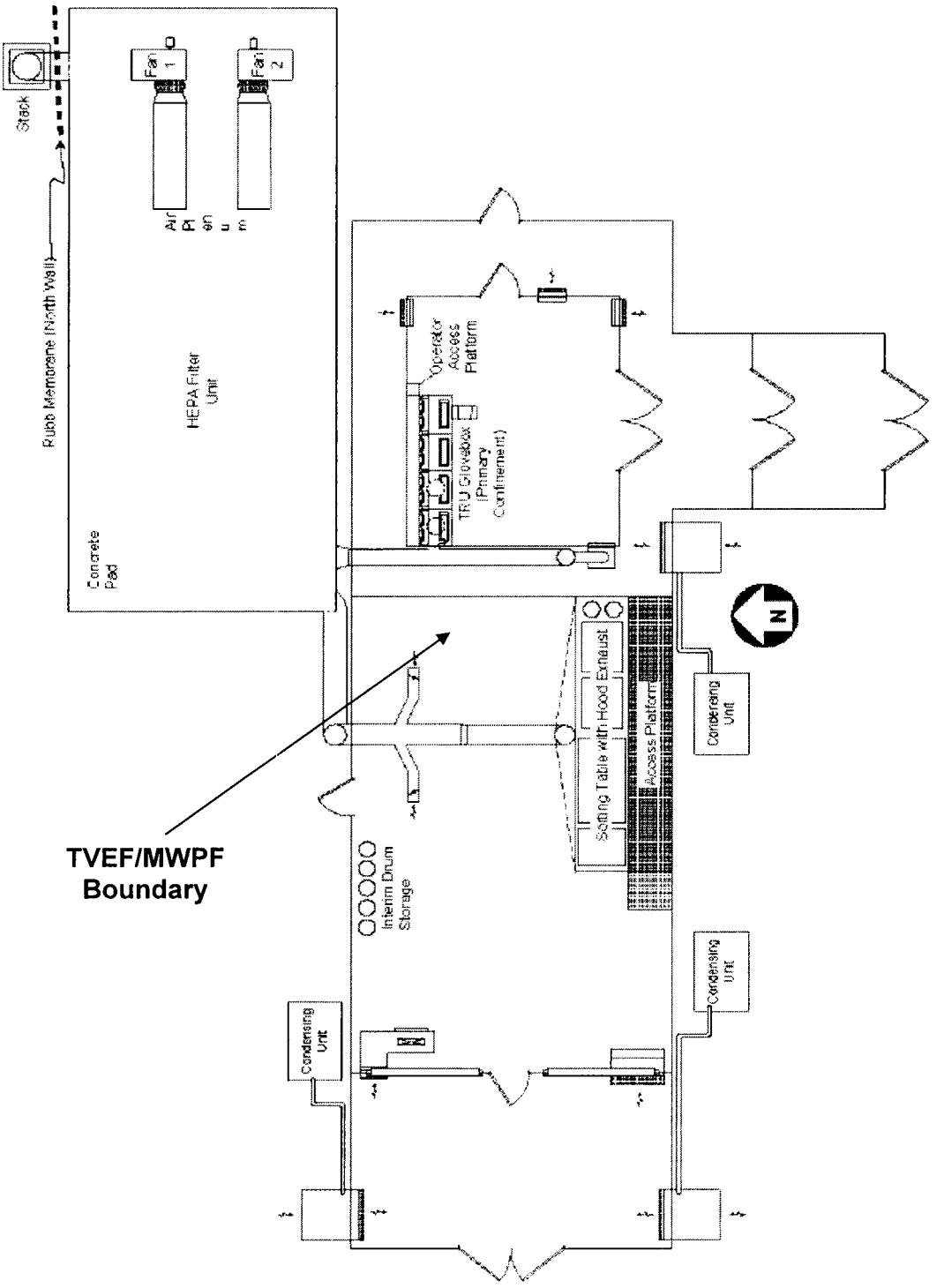


Figure 4. Modular Repackaging System

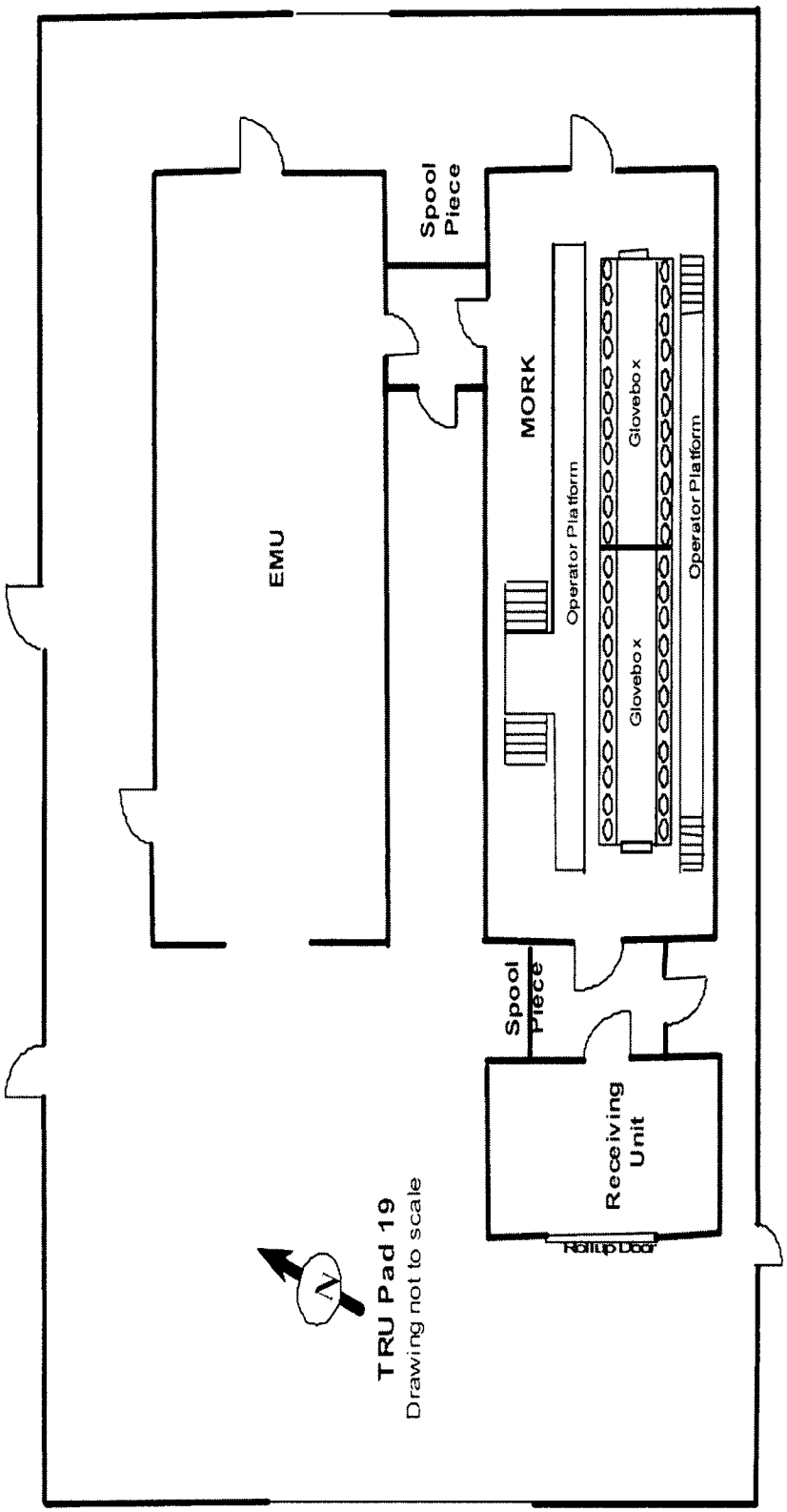
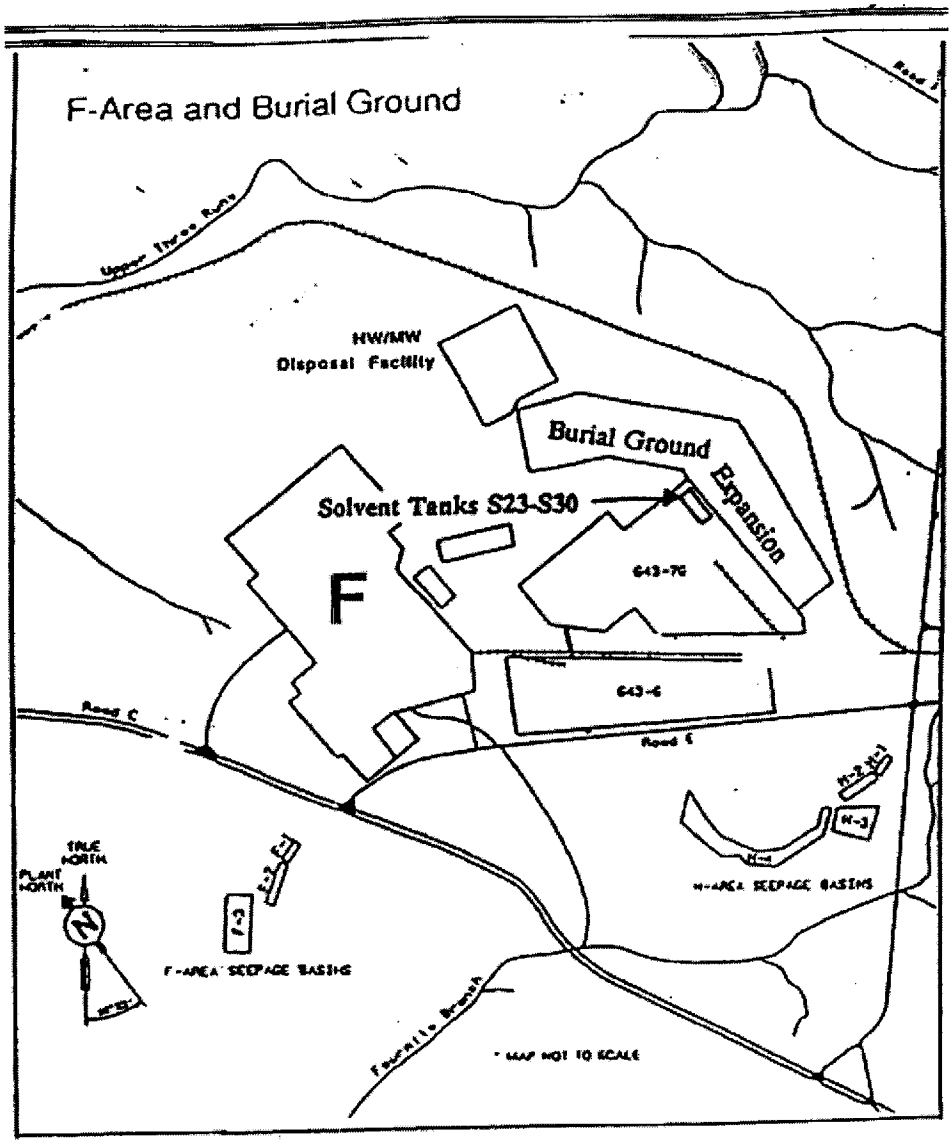


Figure 5. Location of Solvent Tanks



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Central Characterization Program
Acceptable Knowledge Summary Report
For

Savannah River Site
Fuel Fabrication Facility
Transuranic Waste

Waste Streams:
SR-W027-321-322M-HET
SR-W027-321M-HOM

Revision 3

May 22, 2013

Mike Ramirez

Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	01/04/2012	Initial issue.
1	02/13/2012	Revised to correct the TRUPACT-II Content Codes and packaging configurations for waste stream SR-W027-321-322M-HET. This revision also updated the acceptable knowledge (AK) Source Documents table in Section 9.0 and includes several miscellaneous changes.
2	08/09/2012	Revised to add container from 322-M to SR-W027-321-322M-HET waste stream.
3	05/22/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes; to update the *Annual Transuranic Waste Inventory Report* (ATWIR) identification number, the radiological characterization, and the chemical characterization for waste stream SR-W027-321M-HOM; to clarify the waste packaging configurations for both waste streams; and to incorporate various freeze file changes.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 6
2.0 WASTE STREAM IDENTIFICATION SUMMARY 7
2.1 Waste Stream SR-W027-321-322M-HET, Target Tube Fabrication and Testing Debris Waste 7
2.2 Waste Stream SR-W027-321M-HOM, Absorbed Billet Lubricating Oil 9
3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 11
4.0 REQUIRED PROGRAM INFORMATION 12
4.1 Facility Location 12
4.2 Facility Description 12
4.3 Facility Mission 13
4.4 Defense Waste Assessment 13
4.5 High-Level Waste and Spent Nuclear Fuel Assessment 13
4.6 Description of Waste Generating Process 14
4.7 TRU Waste Management 15
4.7.1 Types and Quantity of TRU Waste Generated 15
4.7.2 Waste Stream Identification, Categorization, and Delineation 16
4.7.3 Correlation of Waste Streams Generated from the Same Building and Process 17
4.8 Waste Certification Procedures 17
5.0 REQUIRED WASTE STREAM INFORMATION: SR-W027-321-322M-HET 18
5.1 Area and Building of Generation 18
5.2 Waste Stream Volume and Period of Generation 18
5.3 Waste Generating Activities 18
5.3.1 Target Tube Fabrication 18
5.3.2 Maintenance Operations 20
5.4 Types of Wastes Generated 20
5.4.1 Materials Related to Physical Form 20
5.4.1.1 Waste Matrix Code 21
5.4.1.2 Waste Material Parameters 21
5.4.2 Radiological Characterization 22
5.4.3 Chemical Content Identification – Hazardous Constituents 25
5.4.3.1 F-Listed Constituents 27
5.4.3.2 Toxicity Characteristic Metals 28
5.4.3.3 Toxicity Characteristic Organics 28
5.4.3.4 U-, P-, and K-Listed Wastes 28
5.4.3.5 Ignitables, Corrosives, and Reactives 29
5.4.4 Polychlorinated Biphenyls 30
5.4.5 Prohibited Items 31
5.5 Waste Packaging 32
5.5.1 Filter Vents 32
5.5.2 Layers of Confinement 32
6.0 REQUIRED WASTE STREAM INFORMATION: SR-W027-321M-HOM 33

6.1 Area and Building of Generation 33
6.2 Waste Stream Volume and Period of Generation 33
6.3 Waste Generating Activities 33
6.4 Type of Wastes Generated 34
6.4.1 Materials Related to Physical Form 34
6.4.1.1 Waste Matrix Code 34
6.4.1.2 Waste Material Parameters 34
6.4.2 Radiological Characterization 35
6.4.3 Chemical Content Identification – Hazardous Constituents 37
6.4.3.1 F-Listed Constituents 39
6.4.3.2 Toxicity Characteristic Metals 39
6.4.3.3 Toxicity Characteristic Organics 40
6.4.3.4 U-, P-, and K-Listed Wastes 40
6.4.3.5 Ignitables, Corrosives, and Reactives 40
6.4.4 Polychlorinated Biphenyls 42
6.4.5 Prohibited Items 42
6.5 Waste Packaging 43
6.5.1 Filter Vents 43
6.5.2 Layers of Confinement 43

7.0 CONTAINER SPECIFIC INFORMATION 44

8.0 REFERENCE INFORMATION 45

9.0 AK SOURCE DOCUMENTS 47

LIST OF TABLES

Table 4-1. Waste Stream Volumes 16
Table 5-1. Waste Stream SR-W027-321-322M-HET Waste Material Parameters 22
Table 5-2. Isotopic Mass Distribution Ranges for Mark 41 and Mark 42 Materials 23
Table 5-3. Waste Stream SR-W027-321-322M-HET Radiological Characterization 24
Table 5-4. Waste Stream SR-W027-321-322M-HET EPA Hazardous Waste Numbers 25
Table 5-5. Chemical Identification and Use Summary 26
Table 6-1. Waste Stream SR-W027-321M-HOM Waste Material Parameters 35
Table 6-2. Isotopic Mass Distribution Ranges for Mark 41 Materials 35
Table 6-3. Waste Stream SR-W027-321M-HOM Radiological Characterization 37
Table 6-4. Waste Stream SR-W027-321M-HOM EPA Hazardous Waste Numbers 38
Table 6-5. Chemicals in Absorbed Billet Lubricating Oil 38

LIST OF FIGURES

Figure 1. Location of the 300-M Area and E-Area at Savannah River Site 49
Figure 2. Building 321-M Fuel Fabrication Facility in the 300-M Area 49
Figure 3. Solid Waste Management Facility in E-Area 50
Figure 4. Target Tube Fabrication Process Flow Diagram 51

LIST OF ACRONYMS AND ABBREVIATIONS

AK	acceptable knowledge
ATWIR	*Annual Transuranic Waste Inventory Report*
BGR	Radioactive Solid Waste Burial Ground Record
CCP	Central Characterization Program
CFR	Code of Federal Regulations
CH	contact-handled
Ci%	curie percent
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
HLW	high-level waste
ID	Identification
ISO	International Organization for Standardization
LANL	Los Alamos National Laboratory
m^3	cubic meters
MSDS	material safety data sheet
nCi/g	nanocuries per gram
NDA	non-destructive assay
NWPA	*Nuclear Waste Policy Act of 1982*
OSR	Operation Safety Requirement
PCB	polychlorinated biphenyls
PHA	Pulse Height Analyzer
PRQL	program required quantitation limit
QA	quality assurance
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RTG	Radioscopic Thermoelectric Generator
RTR	real-time radiography
SNF	spent nuclear fuel
SRS	Savannah River Site
SWMF	Solid Waste Management Facility
TRU	transuranic
TRUCON	TRUPACT-II Content Code
TSCA	Toxic Substances Control Act
UCL_{90}	90 percent upper confidence limit
VE	visual examination
wt%	weight percent
WIPP	Waste Isolation Pilot Plant
WIPP-WAC	*Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
WIPP-WAP	*Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) summary report has been prepared for the Central Characterization Program (CCP) for contact-handled (CH) transuranic (TRU) waste generated and managed by Savannah River Site (SRS). The waste described in this report was generated in Buildings 321-M and 322-M. This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), to implement the AK requirements of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 2); and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 3).

The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 4). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 9). Additionally, this report provides the AK information required by CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* (Reference 5).

The CCP is tasked with certification of TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP) owned by the U.S. Department of Energy (DOE). This report was developed in accordance with CCP-TP-005 (Reference 1), which describes how AK is collected, reviewed, and managed by the CCP. The CCP is responsible for collection, review, and management of AK documentation in accordance CCP-TP-005 and reviews and approves this AK summary report and maintains this document as a CCP quality assurance (QA) record. The CCP maintains responsibility for all CCP-TP-005 generated forms and records as QA records. In addition, the CCP maintains a copy of the "historical source documents" as Non-QA records.

Waste stream SR-W027-321-322M-HET is heterogeneous debris waste, and waste stream SR-W027-321M-HOM is homogeneous waste that were generated by target tube fabrication and testing and associated maintenance operations in Buildings 321-M and 322-M. The Building 321-M Fuel Fabrication Facility manufactured aluminum clad fuel elements for irradiation in SRS reactors. These fuel elements were fabricated from enriched uranium, neptunium, and plutonium. However, the only TRU waste generated from Building 321-M was from the fabrication of plutonium fuel elements for the Mark 41 and Mark 42 programs. Building 322-M performed destructive testing on neptunium-aluminum target tubes.

This AK summary report, along with referenced supporting documents, provides a defensible and auditable record of AK for designated waste streams from the Building 321-M Fuel Fabrication Facility and the Building 322-M Examination Facility. The references and AK source documents used to prepare this report are listed in Sections 8.0 and 9.0. The source documents cited throughout this report are identified by alphanumeric designations corresponding to a unique Source Document Tracking Number (i.e., C001, D001, DR001, M001, and P001).

This AK report includes information relating to the facilities' history, mission, process operations, waste identification, characterization, and waste management practices. Information contained in this report was obtained from numerous sources, including facility safety basis documentation, historical document archives, generator and storage facility waste records and documents, and interviews with cognizant personnel.

This report and supporting source documentation provide the mandatory waste program and waste stream-specific information required by the WIPP-WAP (Reference 2).

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored

Savannah River Site
Post Office Box 616
Aiken, South Carolina 29802
U.S. Environmental Protection Agency (EPA) Identification (ID) Number SC1890008989

Facility Where TRU Waste Was Generated

Building 321-M Fuel Fabrication Facility and Building 322-M Examination Facility

Facility Mission

The mission of Buildings 321-M and 322-M, as it relates to the generation of TRU waste, was the fabrication and testing of plutonium-aluminum and neptunium-aluminum target tubes. The target tubes were irradiated in SRS reactors to produce plutonium for defense research and development (R&D) at Los Alamos National Laboratory (LANL) (Refer to Section 4.3).

2.1 Waste Stream SR-W027-321-322M-HET, Target Tube Fabrication and Testing Debris Waste

Summary Category Group:	S5000
Waste Matrix Code Group:	Heterogeneous Debris
Waste Matrix Code:	S5400, Heterogeneous Debris Waste
TRUPACT-II Content Code (TRUCON):	SR 125/SR 225, SQ 129/SQ 154/SQ 229

Annual Transuranic Waste Inventory Report (ATWIR) ID Number (Reference 7): SR-W027-321-322M-HET

Maximum Layers of Confinement: 5

Waste Stream Description:

Waste stream SR-W027-321-322M-HET is primarily composed of organic and inorganic debris waste items. Examples of specific waste items include aluminum and iron-based metals (e.g., cans, hardware, hose clamps, pans, saw blades, saw chips, scrap, tubing and tube ends), hand tools, power tools, lead (e.g., blanket, bricks), glassware, ceramic tubes, asbestos (e.g., gloves), filters, paper (e.g., smears, wipes), cardboard, masking tape, rags, brooms, swabs, cloth gloves, leather gloves, plastic (e.g., bags, containers, hoses, piping, sheeting, suits, tape, tubing), rope, rubber (e.g., hose, latex gloves, leaded gloves and aprons, respirators), protective clothing (e.g., coveralls, shoe covers), equipment (e.g., meters, pumps, vacuum cleaners), and absorbents (Refer to Section 5.4.1).

The two most prevalent radionuclides by mass in this waste stream are Pu-239 and Pu-240, respectively (Refer to Section 5.4.2).

This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA)-regulated constituents and is assigned EPA hazardous waste numbers D008, D009, F001, and F002 (Refer to Section 5.4.3).

Prohibited items are not expected in this waste stream. Certified real-time radiography (RTR) and/or visual examination (VE) are conducted by CCP to ensure the absence of prohibited items in the final package (Refer to Section 5.4.5).

Waste items were typically packaged in metal cans, cardboard boxes/cartons, and/or plastic bags sealed with tape. Waste items were also packaged directly without additional packaging (e.g., metal cans). The waste was then placed in a U.S. Department of Transportation (DOT) Specification 7A, Type A 55-gallon galvanized steel drum lined with a 90-mil rigid polyethylene drum liner and liner lid. The drum and liner lids were not vented at the time of waste generation but were vented prior to CCP waste characterization activities. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without lid (Refer to Section 5.5).

Waste stream SR-W027-321-322M-HET meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. The waste stream was generated during target tube fabrication and testing and associated maintenance operations (Refer to Section 4.7.2).

2.2 Waste Stream SR-W027-321M-HOM, Absorbed Billet Lubricating Oil

Summary Category Group: S3000

Waste Matrix Code Group: Solidified Organics

Waste Matrix Code: S3114, Absorbed Organic Liquids

TRUCON Code: SR 127/SR 227

ATWIR Identification Number (Reference 7): SR-W027-321M-HOM

Maximum Layers of Confinement: 1

Waste Stream Description:

Waste stream SR-W027-321M-HOM is comprised primarily of a mixture of A-408 lubricating oil (International Organization for Standardization [ISO] 680 hydrocarbon oil) and powdered lead absorbed with Oil-Dri (granular clay absorbent) as well as minor amounts of organic and inorganic debris waste items. Other waste items may include iron-based metals (e.g., cans, dustpan, funnel, scrap, shovel), asbestos (e.g., gloves), paper (e.g., wipes), rags, leather gloves, plastic (e.g., bags, sheeting, tape), rubber (e.g., hose), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., pumps) (Refer to Section 6.4.1).

The two most prevalent radionuclides by mass in this waste stream are Pu-239 and Np-237, respectively (Refer to Section 6.4.2).

This waste stream was determined to contain RCRA-regulated constituents and is assigned EPA hazardous waste numbers D008 and F002 (Refer to Section 6.4.3).

The only prohibited item identified in this waste stream is the presence of liquid. Certified RTR and/or VE are conducted by CCP to ensure the absence of prohibited items in the final package (Refer to Section 6.4.5).

Waste was packaged in metal cans and/or plastic bags sealed with tape and then placed in a DOT Specification 7A, Type A 55-gallon galvanized steel drum lined with a 90-mil rigid polyethylene drum liner and liner lid. The drum and liner lid was not vented at the time of waste generation but was vented prior to CCP waste characterization activities. Remediated/repackaged waste may be packaged into a 55-gallon drum with

or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner with or without lid (Refer to Section 6.5).

Waste stream SR-W027-321M-HOM meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. The waste stream contains a single drum generated during maintenance operations (Refer to Section 4.7.2).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. Development of knowledge of the waste materials and processes that generate and control the waste is required to provide a clear and convincing argument about the characteristics of each waste stream. The AK characterization documented herein complies with the requirements of the WIPP-WAP (Reference 2) and was developed in accordance with of CCP-PO-001 (Reference 4), and CCP-TP-005 (Reference 1).

Waste streams SR-W027-321-322M-HET and SR-W027-321M-HOM were characterized using AK from a variety of sources, including safety analysis reports, hazards analysis reports, operating procedures, waste characterization procedures, waste packaging procedures, waste packaging forms, material safety data sheets (MSDSs), waste shipping forms, and various correspondence.

The references and AK sources used to prepare this report are listed in Sections 8.0 and 9.0. The AK sources referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, and P001) correspond to the Source Document Tracking Number using the following convention:

- C – Correspondence
- D – Documents
- DR – Discrepancy resolution
- M – Miscellaneous
- P – Procedures

4.0 REQUIRED PROGRAM INFORMATION

This section provides the mandatory TRU waste management program information required by the WIPP-WAP (Reference 2). This section provides a description of the facility and operations associated with the generation of TRU waste from Buildings 321-M and 322-M. Included is a description of the buildings summary of the mission, defense determination, and descriptions of operations associated with the generation of waste streams SR-W027-321-322M-HET and SR-W027-321M-HOM.

4.1 Facility Location

SRS encompasses parts of Aiken, Barnwell, and Allendale counties in South Carolina and is approximately 25 miles southeast of Augusta, Georgia. The 300-M Area, including Buildings 321-M and 322-M, is located in the northwest section of SRS. Maps showing the location of these facilities are provided at the end of this report as Figure 1, Location of the 300-M Area and E-Area at Savannah River Site, and Figure 2, Building 321-M Fuel Fabrication Facility in the 300-M Area (Reference D013).

The Solid Waste Management Facility (SWMF) includes TRU waste storage and TRU waste characterization and repackaging facilities. The location of these facilities is provided in Figure 3, Solid Waste Management Facility in E-Area (Reference 8).

4.2 Facility Description

The Building 321-M Fuel Fabrication Facility and the Building 322-M Examination Facility manufactured and tested aluminum clad fuel elements for irradiation in SRS reactors. These fuel elements were fabricated from enriched uranium, neptunium, and plutonium. However, the only TRU waste generated in Buildings 321-M and 322-M was from the fabrication of plutonium fuel elements for the Mark 41 and Mark 42 programs and the destructive examination of neptunium-aluminum target tubes (References C037, D013, D043, M050).

Major facilities in the buildings included a foundry, machine shop, billet fabrication, billet evacuation, tube mill, tube evacuation, tube evaluation, and tube assembly. The foundry, machine shop, and billet fabrication facilities were not used for the plutonium or neptunium programs. The billets for these programs were fabricated in Building 235-F, and the billets were then transferred to Building 321-M for evacuation, extrusion into target tubes, tube finishing, and final evaluation. This final evaluation also included destructive examination in Building 322-M for some of the target tubes (References C016, C036, C037, C150, D013, D035, D043, P050). Further details of the process facilities are provided in Section 4.6.

4.3 Facility Mission

The mission of Buildings 321-M and 322-M, as it related to the generation of TRU waste was the fabrication and testing of Mark 41 target tubes in 1975 and Mark 42 target tubes in 1980, and the destructive examination of neptunium target tubes in 1977. The Mark 41 and Mark 42 target tubes were irradiated in SRS reactors to produce plutonium for LANL. The tubes were processed in F-Canyon and the product was finished and packaged in FB-Line (formerly JB-Line) (References C038, C044, D022, D035, D043, and M050). The neptunium target tubes were irradiated in SRS reactors to produce heat-source plutonium (Pu-238) for use in Radioisotope Thermoelectric Generators (RTGs) for space and military applications. The neptunium target tubes were processed in H-Canyon and the Pu-238 product was finished and packaged in HB-Line. The Pu-238 was transferred back to Building 235-F for heat-source fabrication and then to the Mound Facility in Miamisburg, Ohio for RTG assembly (Reference 12).

4.4 Defense Waste Assessment

The WIPP-WAC (Reference 3) requires generator sites to use AK to determine if the TRU waste streams to be disposed of at WIPP meet the definition of TRU defense waste. TRU waste is eligible for disposal at WIPP if it has been generated in whole or part by one of the atomic energy defense activities listed in 42 U.S.C. 10101, *Nuclear Waste Policy Act of 1982* (NWPA) (Reference 6).

The plutonium produced during the Mark 41 and Mark 42 programs at SRS was sent to LANL for defense R&D applications (Reference C100). Therefore, waste streams SR-W027-321-322M-HET and SR-W027-321M-HOM were generated by "defense R&D." The heat-source plutonium produced at SRS was ultimately used in RTGs for space and military application (Reference 12). Therefore, waste stream SR-W027-321-322M-HET was also generated by "defense nuclear materials production.

4.5 High-Level Waste and Spent Nuclear Fuel Assessment

Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (Reference 16), bans the disposal of spent nuclear fuel (SNF) and high-level waste (HLW), as defined by the NWPA, at WIPP. According to the NWPA, SNF is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing." DOE M 435.1-1, *Radioactive Waste Management Manual* (Reference 11), expands on this definition to clarify that "Test specimens of fissionable material irradiated for R&D only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." HLW is defined by the NWPA as "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived

from such liquid waste that contains fission products in sufficient concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation."

Waste streams SR-W027-321-322M-HET and SR-W027-321M-HOM were generated during target tube fabrication and testing and associated maintenance operations in Buildings 321-M and 322-M (References C038, C044, D013, P050). Therefore, Buildings 321-M and 322-M did not generate SNF or HLW.

4.6 Description of Waste Generating Process

A Mark 41 pilot demonstration was conducted in February 1975 in which plutonium oxide/aluminum core tubes were extruded. Immediately following the pilot demonstration, production tubes were extruded in April 1975 (References C027, C028, D035, D043). Several years later, the Mark 42 program was conducted in which assemblies consisting of three concentric tubes were extruded in 1980 (References C037, C044, C045, M050).

The billet assemblies for both the Mark 41 and Mark 42 programs were fabricated in Building 235-F and then transferred to Building 321-M for evacuation (vacuum outgassing), extrusion into target tubes, tube finishing, tube testing and evaluation, and final assembly (References C016, C036, C037, D035, D043). A description of these Building 321-M facilities is as follows (Reference D013). Additional details of this process including chemical usage are provided in Sections 5.3 and 6.3.

- The billet evacuation area consisted of electric resistance furnaces equipped with a vacuum system to which billets were connected for vacuum outgassing.

- The extrusion facility was the primary facility in the tube mill and consisted of a horizontal hydraulic extrusion press along with auxiliary equipment including a dip tank for billet lubrication, induction heaters to heat billets to extrusion temperature, electric resistance ovens to heat extrusion tooling, and a cut-off saw to cut extrusions to length.

- The tube mill also included a tube cleaning facility that consisted of a vapor degreaser, open tanks with acidic and caustic solutions and water, and a solvent recovery still.

- The remainder of the tube mill included an electric furnace for thermal testing, a swager to point tubes for drawing, a drawbench to draw tubes to the required cross-sectional dimensions, a roll straightener and a gag press for straightening tubes, and a final machining station.

- The evaluation facility contained equipment to determine the quality of tubes and included an x-ray fluoroscope, miscellaneous gauges for determining tube

dimensions, straightness, scratch depths, etc., a fuel distribution analyzer, and a nuclear test gauge.

- The tube assembly facility contained equipment for placing tubes coaxially, one inside another, and installing end fittings to form assemblies for irradiation. The equipment included an assembly tank filled with water, a rinse tank, a dryer, an electromagnetic forming machine, a hoist, and a transfer rack.

In December of 1973, production was completed on a plutonium-neptunium glovebox system in Building 322-M. This system was used to augment Building 235-F examination capabilities with the ability to process materials with higher levels of contamination. Building 322-M was used for examination of neptunium-aluminum target tubes. Operations included sample cutting, mounting specimens for grinding, ultrasonic cleaning, vibratory polishing, electrolytic etching, and microscopic examination. Waste generated from these activities was packaged into a single 55-gallon drum. The destructive examinations done on the tubes in 322-M are an extension of the tube fabrication and examinations done in 321-M and, therefore, are part of the same process (References C016, C150, C151, C152).

4.7 TRU Waste Management

TRU waste is defined in the WIPP-WAC as payload containers with more than 100 nanocuries per gram (nCi/g) of waste of alpha-emitting TRU isotopes with half-lives greater than 20 years (Reference 3). Waste stream SR-W027-321-322M-HET was generated from 1975 to 1980 and waste stream SR-W027-321M-HOM was generated in 1975. During this time, TRU waste was defined as containing more than 10 nCi/g of waste of alpha-emitting TRU isotopes (References P067, P157, P159).

Determining TRU contents in the waste was accomplished by direct measurements whenever possible using a Pulse Height Analyzer (PHA), lab sample analysis, or health physics smears. The PHA used a sodium iodide detector to detect gamma rays produced by the radionuclides in the waste. The isotopic information is reported on a *Radioactive Solid Waste Burial Ground Record* (BGR) (Form OSR [Operation Safety Requirement] 7-375A) for each waste container (References D013, M050, P067, P160).

4.7.1 Types and Quantity of TRU Waste Generated

The waste streams described by this report are characterized as TRU-mixed waste. The specific container numbers are provided in the *Waste Containers Lists* which are maintained as a quality record as required by procedure CCP-TP-005 (Reference 1). The number of containers and waste stream volumes are provided in Table 4-1, Waste Stream Volumes. However, the waste stream volumes may change due to remediation and repackaging activities.

Table 4-1. Waste Stream Volumes

Waste Stream	55-Gallon Drums	Cubic Meters (m^3)
SR-W027-321-322M-HET	21	4.41
SR-W027-321M-HOM	1	0.208

4.7.2 Waste Stream Identification, Categorization, and Delineation

A BGR was completed for waste to be shipped to the SRS burial ground in E-Area. For the drums included in waste stream SR-W027-321-322M-HET, the BGR identifies 321-M or 322-M as the origin building and area. The drums in waste stream SR-W027-321-322M-HET are assigned Type Code 1 on the BGR which indicates the physical form of the waste as job control waste, including housekeeping waste and protective clothing. The combustibility codes assigned to these drums include C (combustible waste) and N (noncombustible waste). The BGR also includes a description of the waste, variety of contamination, and the date the waste was shipped to the SRS burial ground. The waste described as "Mk 41 Pu Waste" has variety of contamination 41 (20 to 60 percent Pu-242) and a date of May 8, 1975. The waste described as "Tube Fabrication" has variety of contamination 50 (Pu-239) and a date range of May 8, 1980 to June 19, 1980. The waste described as "322-M glovebox waste" has variety of contamination 82 (Np-237), and a date of November 17, 1977 (References M050, P067, P158).

For the drum included in waste stream SR-W027-321M-HOM, the BGR identifies 321-M as the origin building and area. This drum is assigned Type Code 2 on the BGR which indicates the physical form of the waste as absorbed oil. The combustibility code assigned to this drum is C (combustible waste). The waste is described as "Mk 41 Pu Waste Oil," has variety of contamination 41 (20 to 60 percent Pu-242), and a date of May 8, 1975 (References M050, P067, P158). Previous radioassay of this drum indicates it is TRU waste (References C104, M053).

The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. The waste generated in Buildings 321-M and 322-M has been delineated into two waste streams designated SR-W027-321-322M-HET and SR-W027-321M-HOM. The basis and rationale for delineating the waste streams is as follows:

- The activity that generated these two waste streams was target tube fabrication and testing and associated maintenance operations. Building 321-M was a target fabrication facility and Building 322-M was an examination and testing facility. The waste described as "Mk 41 Pu Waste" generated in 1975 with variety of contamination 41 (20 to 60 percent Pu-242) correlates to other AK source documents that indicate Building 321-M fabricated Mark 41 target tubes in 1975. The waste described as "Tube Fabrication" generated in 1980 with variety of contamination 50 correlates to other AK source documents that indicate

Building 321-M fabricated Mark 42 target tubes in 1980. The waste described as "322-M glovebox waste" generated in 1977 with variety of contamination 82 (Np-237) correlates to other AK source documents that indicate Building 322-M conducted destructive examinations on neptunium target tubes. The destructive examinations done on the tubes in 322-M were an extension of the target fabrication and examinations done in 321-M and, therefore, are part of the same process (Refer to Sections 4.6, 5.3, and 6.3).

- Waste stream SR-W027-321-322M-HET includes waste with common physical form in that it is comprised of heterogeneous organic and inorganic debris materials. The BGRs indicate this waste is combustible and noncombustible job control waste. Previous RTR identified plastic, metal, glass, and ceramic debris items as well as some absorbents (Refer to Section 5.4.1).

- Waste stream SR-W027-321M-HOM includes waste with common physical form in that it is comprised primarily of homogeneous waste. The BGR indicates this waste is absorbed oil (Type Code 2). Previous RTR identified predominantly absorbents as well as plastic and metal (Refer to Section 6.4.1).

- The waste streams contain similar hazardous constituents because although the waste was generated prior to the implementation of RCRA at SRS, a review of AK documentation identified hazardous constituents used in the process (Refer to Sections 5.4.3 and 6.4.3).

4.7.3 Correlation of Waste Streams Generated from the Same Building and Process

Waste stream SR-W027-321-322M-HET was generated during target tube fabrication and testing and associated maintenance operations in Buildings 321-M and 322-M as described in Section 4.6 and in greater detail in Section 5.3. Waste stream SR-W027-321M-HOM was generated during maintenance operations and includes absorbed excess leaded oil used for lubrication of billets prior to extrusion of the plutonium target tubes in Building 321-M as described in Section 4.6 and in greater detail in Section 6.3 (References M023, P036, P043).

4.8 Waste Certification Procedures

In the CCP under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 1) directs compilation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 9).

5.0 REQUIRED WASTE STREAM INFORMATION: SR-W027-321-322M-HET

This section presents the mandatory TRU waste stream specific information required by the WIPP-WAP and WIPP-WAC for waste stream SR-W027-321-322M-HET (References 2 and 3). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

5.1 Area and Building of Generation

Waste stream SR-W027-321-322M-HET was generated in the Building 321-M Fuel Fabrication Facility and the Building 322-M Examination Facility including the Plutonium-Neptunium Glovebox System, all in the 300-M Area (References D013, M050).

5.2 Waste Stream Volume and Period of Generation

Waste stream SR-W027-321-322M-HET consists of 21 55-gallon drums generated from May 1975 to June 1980 (Reference M050). TRU waste will not be generated in the future (Reference P166). However, the waste stream volume may change due to remediation and repackaging activities.

5.3 Waste Generating Activities

The primary TRU waste generating activity in Buildings 321-M and 322-M was target tube fabrication and testing and associated maintenance operations. Plutonium and neptunium extrusion billets were fabricated in Building 235-F and subsequently transferred to Building 321-M and 322-M for evacuation, extrusion into target tubes, tube finishing, testing and evaluation, and final assembly. This operation is illustrated in Figure 4, Target Tube Fabrication Process Flow Diagram (References C016, C036, C037, D013, D035, D043). Maintenance operations in Building 321-M included cleaning the degreaser, the solvent recovery still, and the extrusion press pit (References P036, P056, P094).

5.3.1 Target Tube Fabrication

After fabrication in Building 235-F, the plutonium billets were transferred to Building 321-M for evacuation (also called outgassing) where the billets were heated to a temperature greater than the extrusion temperature to check for weld leaks. Billets were then lubricated with Aquadag (a colloidal suspension of graphite in water). The graphite coating provided a uniform black body for accurate temperature control during pre-heating. The billets were pre-heated to the extrusion temperature in the outgassing furnaces and then sealed with a crimping tool. Pre-heated billets were further lubricated immediately before extrusion by coating them with a mixture of powdered lead in A-408 oil (ISO 680 hydrocarbon oil). The billets were then extruded into tubes in the extrusion press. The tubes were cut to the specified length and underwent dimensional

and surface inspections (References D013, D043, M023, P020, P022, P024, P026, P029, P031, P043, P059, P155).

Following extrusion, target tubes were lowered into a vapor degreasing tank containing tetrachloroethylene. Tetrachloroethylene was replaced by 1,1,1-trichloroethane in 1979. Contaminated solvent from the degreaser was distilled to recover clean solvent to be reused. After degreasing, target tubes were etched with Aluminux (a sodium hydroxide solution) followed by a cold water rinse. Target tubes were then etched with nitric acid followed by a cold water rinse and a hot water rinse (References D013, M023, P020, P055, P056, P092, P093, P105, P109, P161).

One end of each target tube was pointed for insertion in the draw die. The tube was drawn through a die and over a plug simultaneously to achieve the desired cross-sectional dimensions. Excess bow was removed by roll straightening. Gag pressing was occasionally used if roll straightening did not provide adequate straightening. Drawing lubricant (methyl dichlorosterate or butyl sterate mixed with Circo XXX heavy oil [heavy naphthenic oil]) was removed from the tubes by vapor degreasing after straightening. Tubes were cut to final length, and the ends were machined for installation of end fittings on a specially designed cutter-trimmer (References D013, D043, M023, P020, P059, P062, P088, P098, P099, P105).

Several inspections and nondestructive tests were performed on each tube to verify that they were of irradiation quality. These included visual inspection and thermal testing in a furnace to check for blister formation from entrapped gases; cladding-to-core bond strength testing using an ultrasonic sensing device; straightness testing using a gauge consisting of flat bed and dial indicator; dimensional checks with micrometers and other manual gauges; x-ray fluoroscopy to determine core length, location, end configuration, and presence of high and low density areas; visual inspection for detection and measurement of surface defects using micrometers and scratch depth gauges; fuel distribution analysis utilizing x-ray attenuation to determine intra-tube core composition variations; nuclear test gauge testing to verify the plutonium composition; and a final surface inspection prior to shipment (References D013, D043, P020, P028, P051, P054, P083, P105, P123, P151, P154).

Tubes were placed inside one another, and end fittings were installed to form assemblies for irradiation. For ease of assembly and to minimize damage to tube surfaces, assembly was performed in a tank of water containing Cindol 3202 (wetting agent containing mineral oil, triazine, and triethanolamine). After assembly, the wetting agent was removed with a hot water rinse. After being dried in a hot air dryer, assemblies were transferred to the Magnaform (electromagnetic forming machine) where the top and bottom fittings were attached to the assembly. A final straightness inspection was also performed. In some cases, the lithium-aluminum inner targets were inserted into the assembly. Approximately one of every fifty tubes was destructively examined in Building 322-M. Analyses included the determination of aluminum cladding thickness, core thickness, core end configuration, and cladding-to-core bond strength (References D013, P042, P058, P105, P123).

5.3.2 Maintenance Operations

Maintenance operations in Building 321-M included periodic cleaning of the extrusion press pit, the vapor degreaser, and the solvent recovery still.

The oil in the extrusion press pit was pumped into a 55-gallon drum until the drum was half full. The oil was sampled and analyzed, and if the oil was found to be contaminated, Oil-Dri (granular clay absorbent) was added to form a solid cake. Once the oil was removed from the pit, residual oil was removed from the floor of the pit with rags which were placed into a plastic-lined container. Residual lead was removed from the pit and placed into a metal container with Oil-Dri. If necessary, the pit was also cleaned with Klear All 99 solvent (methylene chloride, tetrachloroethylene, and petroleum distillates) (References M023, P036, P043).

When cleaning the degreaser, contaminated solvent was pumped into 55-gallon drums. A dustpan and broom were used to sweep out any material from the degreaser. Grating from the bottom of the tank was removed, and chips, dirt, and sludge were cleaned out with a dustpan or vacuum cleaner. As necessary, a mixture of soda ash (sodium carbonate) and hot water were added to the tank and heated to boiling, and then valves were opened to allow the liquid to drain from the degreaser (References P092, P094).

To clean the solvent still, the contents were drained, and the still bottoms were removed and sent to toxic chemical storage. Solids and sludge accumulated on bottom and around steam coil were then removed and placed into a plastic-lined 55-gallon drum. A mixture of hot water and soda ash was added to the still chamber and heated until boiling, and then valves were opened to allow the liquid to drain from the still. The chamber was refilled with water and heated until boiling and then allowed to drain (References P056, P093).

5.4 Types of Wastes Generated

This section describes the waste materials based on process inputs and outputs, waste matrix code assignment, waste material parameter weight estimates, radionuclide percentages, and hazardous waste determinations for waste stream SR-W027-321-322M-HET.

5.4.1 Materials Related to Physical Form

Waste stream SR-W027-321-322M-HET is comprised primarily of organic and inorganic debris waste items. The BGRs identify Type Code 1 which is defined as job control waste including housekeeping waste and protective clothing (References, M050, P067). Previous RTR identified plastic (e.g., containers, hoses, piping, suits, tape, tubing), metal (e.g., cans, clamps, hardware, scrap), aluminum tubing, power tools, glassware, ceramic tubes, and absorbents (Reference M024). Based on a review of operating procedures and other documentation, debris waste items in this waste stream may include aluminum and iron-based metals (e.g., cans, hose clamps, pans, saw blades,

saw chips, tubing and tube ends), hand tools, lead (e.g., blanket, bricks), asbestos (e.g., gloves), filters, paper (e.g., smears, wipes), cardboard, masking tape, rags, brooms, swabs, cloth gloves, leather gloves, plastic (e.g., bags, sheeting), rope, rubber (e.g., hose, latex gloves, leaded gloves and aprons, respirators), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., meters, pumps, vacuum cleaners) (References C017, D013, P036, P043, P058, P059, P088, P094, P098, P109, P111, P132).

In addition to debris waste items, drums in this waste stream may contain minor amounts of oil and sludge mixed with Oil-Dri absorbent, sludge from the degreaser, and sludge from the solvent recovery still. Maintenance operating procedures do not specifically require the addition of absorbent to sludge from the degreaser or still; however, due to their liquid content at the time of generation, it is assumed that Oil-Dri absorbent would have been mixed with the sludge (References P043, P093, P094).

5.4.1.1 Waste Matrix Code

As shown in the previous section, waste stream SR-W027-321-322M-HET is comprised primarily of organic and inorganic debris waste items and generally consists of cellulosics, plastic, rubber, glass, ceramic, and metal. The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste recorded on the BGR, previous RTR data, and review of operating procedures. An estimate of the quantity of specific waste materials or the amount of organic and inorganic materials has not been identified.

Accordingly, Waste Matrix Code S5400, Heterogeneous Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in DOE/LLW-217, *DOE Waste Treatability Group Guidance* (Reference 13). This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300).

Some drums in this debris waste stream may contain small amounts of homogeneous solid waste materials such as absorbed liquids and sludges. However, individual drums are expected to contain less than 50 percent, by volume, of these materials. Drums identified by certified RTR as containing more than 50 percent, by volume, homogeneous solids waste will be removed from this debris waste stream.

5.4.1.2 Waste Material Parameters

The waste material parameter weight percent (wt%) estimates for waste stream SR-W027-321-322M-HET are based on certified RTR and VE data for waste stream SR-W027-235F-HET (Building 235-F) which is a similar waste stream. The BGRs for waste generated in Buildings 321-M and 322-M do not provide an estimate of the percent combustible waste, and the previous RTR for these drums does not include an estimate of the various waste materials in each drum (References M024, M050).

The primary operations in Building 235-F were manufacturing Np-237 oxide alloy billet assemblies but also to produce various slugs and billets from the oxides of uranium and plutonium isotopes (including the Mark 41 and Mark 42 billets extruded in Building 321-M). Building 235-F also included the plutonium fuel form facility that fabricated Pu-238 oxide fuel as well as two support facilities for development of the plutonium fuel form manufacturing processes and a metallography laboratory (Reference 12). SRS waste streams described in other AK summary reports include operations for the conversion of actinide nitrate liquids into oxides or metal, an analytical chemistry laboratory, and an R&D laboratory. The operations in Building 235-F are the most similar to Buildings 321-M and 322-M. This evaluation is documented in a memorandum (included with the Waste Form, Waste Material Parameters, Prohibited Items, and Packaging form) as required by CCP-TP-005 (Reference 1).

Table 5-1. Waste Stream SR-W027-321-322M-HET Waste Material Parameters

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	39.1%	0 – 98.6%
Aluminum-based Metals/Alloys	1.0%	0 – 75.4%
Other Metals	2.3%	0 – 69.1%
Other Inorganic Materials	5.1%	0 – 100.0%
Cellulosics	6.5%	0 – 97.2%
Rubber	18.9%	0 – 86.2%
Plastics (waste materials)	26.8%	0 – 98.5%
Organic Matrix [1]	0.3%	0 – 30.2%
Inorganic Matrix	0.0%	0 – 0.0%
Soils/Gravel	0.0%	0 – 0.0%
Total Inorganic	**36.8%**	
Total Organic	**63.2%**	

1. The only homogenous solids materials expected in this waste stream are oil or organic sludge mixed with inorganic Oil-Dri absorbent. Therefore, RTR will report the oil/sludge and absorbent mixture as Organic Matrix.

5.4.2 Radiological Characterization

As stated previously, the mission of Buildings 321-M and 322-M as it related to the generation of TRU waste stream SR-W027-321-322M-HET was the fabrication and examination of Mark 41 and Mark 42 plutonium target tubes; and the destructive examination of neptunium-aluminum target tubes. A Mark 41 pilot demonstration was conducted in February 1975, and the Mark 41 production runs began in April 1975 (References C027, C028, D035, D043). Several years later in 1980, the Mark 42 program was conducted. Table 5-2, Isotopic Mass Distribution Ranges for Mark 41 and Mark 42 Materials, provides additional details on these isotopics (References C037, C044, C045, M050, P155).

Table 5-2. Isotopic Mass Distribution Ranges for Mark 41 and Mark 42 Materials

Isotope	Mark 41 Pilot Run (wt%)	Mark 41 Production (wt%)	Mark 42 Production (wt%)
Pu-238	0.46 – 0.48	1.12 – 1.33	0 – 0.5
Pu-239	69.56 – 70.13	3.36 – 17.59	75 – 85
Pu-240	21.65 – 22.06	27.86 – 32.04	15 – 22
Pu-241	5.20 – 5.33	9.25 – 11.05	0 – 5
Pu-242	2.53 – 2.59	44.18 – 52.52	0 – 4

TRU activity in the waste was determined by direct measurements whenever possible using a PHA, lab sample analysis, or health physics smears. The isotopic information was reported on the BGR for each waste container (References D013, P067, P160). The BGR includes a variety of contamination code which correlates to the accountable material in the waste. For each variety of contamination, the total quantity of the element (e.g., sum of all plutonium isotopes) and the isotopic quantity (mass of prevalent isotope) are provided on the BGR. The percentage of the prevalent isotope can be calculated by dividing the isotopic quantity by the total quantity. The TRU waste drums generated in 1980 from the Mark 42 program were assigned variety of contamination 50 (Pu-239) with a Pu-239 wt% ranging from 78.4 to 86.9 wt% which is generally within the ranges provided in Table 5-3, Waste Stream SR-W027-321-322M-HET Radiological Characterization. The TRU waste drums generated in 1975 from the Mark 41 program were assigned variety of contamination 41 (20 to 60 wt% Pu-242). However, the isotopic quantity and total quantity were reported as the same mass to two decimal places and would calculate to 100.00 percent Pu-242 which isn't possible. The TRU waste container generated in 322-M was assigned variety of contamination 82 (Np-237) (References DR002, M050, P067, P158).

As previously mentioned, the Mark 41 and Mark 42 programs were short duration projects. The longer-term mission of Building 321-M was the fabrication of enriched uranium and neptunium target tubes which were destructively examined in Building 322-M (Reference D013).

The values reported in Table 5-3 are based on generator data (not decay-corrected) reported on the BGRs and other AK documentation related to plutonium isotopic distributions (References DR002, M050, M053, P067, P158). For the Mark 41 program waste, the isotopic quantity from the BGR was used to scale the other plutonium isotopes using a default isotopic distribution for the Mark 41 production tubes. For the Mark 42 program waste, the isotopic quantity from the BGR was used to scale the other plutonium isotopes using a default isotopic distribution for the Mark 42 production tubes. For the Building 322-M waste, SRS radioassay data was used. To determine overall isotopic ratios for the waste stream as a whole, the total gram value for each individual isotope was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed in Table 5-3 as "Total Radionuclide Wt%." To determine the radionuclide wt% range for individual containers, the

radiological mass in each container in the waste stream was summed. The mass of each individual isotope in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Curie Percent (Ci%)" and "Radionuclide Ci% Range for Individual Containers." The two most prevalent radionuclides by mass, as shown in Table 5-3, are Pu-239 and Pu-240. The radiological evaluation for this waste stream is documented in the non-destructive assay (NDA) Memorandum as required by CCP-TP-005 (Reference 1).

Table 5-3. Waste Stream SR-W027-321-322M-HET Radiological Characterization

Isotope	Total Radionuclide Wt%[1]	Radionuclide Wt% Range for Individual Containers[2,3]	Total Radionuclide Ci%[4]	Radionuclide Ci% Range for Individual Containers[2,3]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	Not reported				Yes[5]
Pu-238	0.57%	0.10% - 1.30%	1.70%	0.75% - 1.94%	Yes
Pu-239	**39.53%**	0.00% - 78.40%	0.44%	0.02% - 2.15%	Yes
Pu-240	**21.55%**	0.00% - 31.75%	0.88%	0.63% - 1.91%	Yes
Pu-242	20.49%	0.00% - 52.31%	0.01%	0.00% - 0.02%	Yes
U-233	Not reported				No
U234	0.01%	0.00% - 0.06%	Trace	0.00% - 0.02%	Yes
U-238	Not reported				Yes[6]
Cs-137	Not reported				Yes[7]
Sr-90	Not reported				Yes[7]
Additional Radionuclides					
Cm-243	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Pu-241	5.42%	0.00% - 10.88%	**96.91%**	0.00% - 97.40%	Yes
Np-237	12.62%	0.00% - 99.81%	1.75%	0.00% - 3.09%	Yes
U-235	Not reported				Yes[6]

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing is the percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. These are estimated ranges based on assumed default isotopic distributions for Mark 41 materials, and the data have not been decay-corrected. Therefore, individual NDA measurements may fall outside these ranges.
4. This listing indicates the total activity Ci% of each radionuclide over the entire waste stream.
5. Am-241 was not reported in SRS data but will be present from the decay of Pu-241. As a result, the Pu-241 will be less than reported in this table.
6. U-235, and U-238 were not reported in SRS data but are potentially present from enriched uranium fabrication operations.
7. Cs-137 and Sr-90 were not reported in SRS data but are potentially present in very trace amounts as un-separated fission products.

5.4.3 Chemical Content Identification – Hazardous Constituents

Waste stream SR-W027-321-322M-HET has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. This waste was generated approximately 30 to 35 years ago before RCRA was implemented at SRS. Based on historical waste management practices, the SRS managed containers in this waste stream individually as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream, including those identified in MSDS information for commercial products, has determined that this waste stream is RCRA-hazardous. Documentation describing chemicals used in the Building 322-M destructive examinations was not identified. According to SRS personnel, the operations performed in the Building 235-F Met Lab were similar to those performed in Building 322-M. Therefore, the chemicals used in the Met Lab were identified below to supplement the chemical characterization associated with waste from Building 322-M (References C151, C152). Resolution of the discrepancy between the nonhazardous characterization by SRS and the EPA hazardous waste numbers assigned in this AK summary report is described below.

Table 5-4, Waste Stream SR-W027-321-322M-HET EPA Hazardous Waste Numbers, provides the hazardous constituents and associated EPA hazardous waste numbers assigned to this waste stream. Table 5-5, Chemical Identification and Use Summary, is a list of chemicals and their use/source as it relates to the generation of this waste stream.

Table 5-4. Waste Stream SR-W027-321-322M-HET EPA Hazardous Waste Numbers

Constituent	EPA Hazardous Waste Number
Lead	D008
Mercury	D009
1,1,1-Trichloroethane	F001
Tetrachloroethylene	F001, F002
Methylene chloride	F002

Table 5-5. Chemical Identification and Use Summary

Chemical/Compound	Use/Source	EPA Hazardous Waste Number	Reference
1,1,1-Trichloroethane	Vapor degreasing of target tubes	F001	P020, P090, P105, P109
A-408 Oil (ISO 680 hydrocarbon oil) with powdered lead	Applied to billets prior to extrusion	D008	D013, M023, P043, P155
Aluminum stearate – dodecanol mixture	Billet compact lubricant remaining from fabrication in Building 235-F	N/A	D035, D043
Aluminux (sodium hydroxide solution)	Etching of target tubes	N/A	M023, P020, P090, P105, P109
Aquadag Lubricant (colloidal suspension of graphite in water)	Applied to billets prior to extrusion	N/A	D013, M023, P024
Butyl sterate	Drawbench die lubricant	N/A	P099
Capella D Oil (clay-treated heavy naphthenic petroleum distillates	Roughing pumps for outgas ovens	N/A	M023, P026
Cindol 3202 (wetting agent containing mineral oil, triazine, and triethanolamine)	Added to target tube assembly water tank	N/A	M023, P042
Circo XXX Heavy Oil (heavy naphthenic oil)	Drawbench die lubricant	N/A	M023, P099
Door-Ease (paraffin wax, petroleum oil, and naphthenic acid)	Stick lubricant for cutter-trimmer	N/A	M023, P098
Dow Corning No. 704 Oil (silicone oil)	Diffusion pumps for outgas ovens	N/A	M023, P026
Hydraulic oil	Extrusion press hydraulic pumps, and gag press hydraulic pumps	N/A	D013, P031, P062
Isopropyl alcohol	Target tube assembly lubricant	N/A	P123
Klear All 99 (methylene chloride, tetrachloroethylene, and petroleum distillates)	Solvent used during extrusion press pit cleaning	F002	M023, P036
Lead	Blankets, bricks, leaded rubber gloves and aprons, and strips	D008	P058, P132, P151
Mercury	Pressure gauge on outgas ovens, alkaline batteries	D009	C017, P026, P155
Methyl dichlorosterate	Drawbench die lubricant	N/A	P099
Nitric acid	Etching of target tubes	N/A	P020, P090, P105, P109
Nochar Acid Bond A660 Absorbent (sodium polyacrylate polymer)	Absorption of liquids identified during waste repackaging	N/A	M023, P162
Nochar Petrobond A610 Absorbent (sodium polyacrylate polymer)	Absorption of liquids identified during waste repackaging	N/A	M023, P162
Oil-Dri Absorbent (granular clay absorbent)	Absorption of excess leaded oil lubricant, and contaminated oil from extrusion press pit	N/A	P036, P043

Table 5-5. Chemical Identification and Use Summary (Continued)

Chemical/Compound	Use/Source	EPA Hazardous Waste Number	Reference
Raycohesive B-84 (1,1,1-trichloroethane and methylene chloride)	Adhesive used for sealing rigid liner lid and drum gasket	N/A	M023, P111, P160
Soda ash (sodium carbonate)	Cleaning degreasing tank and solvent still	N/A	P056, P094
Tetrachloroethylene	Vapor degreasing of target tubes	F001	P055, P056
Welch DuoSeal Oil (petroleum oil)	Holding pumps for outgas ovens	N/A	M023, P026
Xylene	Solvent used in the Building 235-F Met Lab	N/A	12, C151

5.4.3.1 F-Listed Constituents

Waste stream SR-W027-321-322M-HET is an F-listed hazardous waste because the debris wastes were mixed with hazardous wastes from non-specific sources as listed in 40 Code of Federal Regulations (CFR) Part 261, *Identification and Listing of Hazardous Waste,* Section 261.31 (Reference 10). The following F-listed constituents were used and contaminate the materials in this waste stream.

- Tetrachloroethylene was used for vapor degreasing of target tubes (References P055, P056). Tetrachloroethylene was replaced by 1,1,1-trichloroethane for vapor degreasing in 1979 (References P020, P090, P105, P109, P161). The EPA has provided a regulatory clarification that the F001-listing is appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 14).

- Klear All 99 solvent was used for cleaning of the extrusion press pit (Reference P036). This commercial product contains tetrachloroethylene and methylene chloride (Reference M023).

- Raycohesive B-84 which contains 1,1,1-trichloroethane and methylene chloride was used to seal the rigid liner lid and drum gasket in place (References M023, P111, P160). According to the WIPP-WAP, solvents used for packaging purposes do not meet the definition of an F-listed waste; however, as described above, both of these solvents were also used for other purposes.

- Xylene may have been used as a solvent in the Building 322-M Examination Facility, but none of the waste is in liquid form, so it would not carry an F003 hazardous waste number (References 12, 14, C151).

Therefore, waste stream SR-W027-321-322M-HET is assigned EPA hazardous waste numbers F001 and F002 in accordance with RCRA.

5.4.3.2 Toxicity Characteristic Metals

Waste stream SR-W027-321-322M-HET exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24 (Reference 10). The following toxicity characteristic metals were used and contaminate the materials in this waste stream.

- Powdered lead was mixed with lubricating oil, and swabs were used to apply the lead oil to billets prior to extrusion. Rags were placed under the tooling to prevent lead oil from falling into the press pit (References D013, M023, P043, P155). In addition, lead items (e.g., blankets, bricks, leaded rubber gloves and aprons, and strips) may be present in this waste stream (References P058, P132, P151).

- Mercury was present in pressure gauges on outgas ovens (References P026, P155). Mercury is also in alkaline batteries which may be present in this waste stream (Reference C017).

Since analytical data are not available to demonstrate the concentrations of these metals are less than the toxicity characteristic regulatory level, EPA hazardous waste numbers D008 and D009 are assigned to this waste stream in accordance with RCRA.

5.4.3.3 Toxicity Characteristic Organics

Waste stream SR-W027-321-322M-HET does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24 (Reference 10).

Tetrachloroethylene was used in the process that generated this waste stream. As described above, the F-listed EPA hazardous waste numbers have been assigned for this compound, and therefore, EPA hazardous waste number D039 is not assigned to this waste stream (References P055, P056).

5.4.3.4 U-, P-, and K-Listed Wastes

Waste stream SR-W027-321-322M-HET does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 10). Based on the AK documentation reviewed, there is no evidence that unused commercial products were disposed of in TRU waste drums. Consequently, U- and P-listed EPA hazardous waste numbers are not assigned to this waste stream. In addition, hydrofluoric acid and beryllium were not used in Buildings 321-M or 322-M. Therefore, EPA hazardous waste numbers U134 and P015 are not assigned to this waste stream (References M050, M060).

Waste stream SR-W027-321-322M-HET does not contain hazardous waste from the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste (Reference 10).

5.4.3.5 Ignitables, Corrosives, and Reactives

Some chemicals in Table 5-5 may exhibit the characteristics of ignitability, corrosivity, and/or reactivity in their pure form. Based on the analysis of the generating process and waste management practices, ignitable, corrosive, or reactive materials would not have been placed in TRU waste drums in a liquid or unused form.

Ignitability

The debris materials in waste stream SR-W027-321-322M-HET do not meet the definition of ignitability as defined in 40 CFR 261.21. A solid waste exhibits the characteristic of ignitability if it has any of the following properties: 1) It is a flammable liquid (flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter) (Reference 10).

The only ignitable liquid identified in the process was isopropyl alcohol. The isopropyl alcohol was used for target tube assembly and was applied using a squirt bottle (Reference P123). Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). Previous RTR of the drums in this waste stream did not identify containerized liquids, and therefore, liquid isopropyl alcohol will not be present in this waste stream (Reference M024). Oil-soaked rags are subject to spontaneous combustion. To prevent these rags from igniting, they were packaged in sealed metal cans with sufficient Oil-Dri to absorb all oily liquid. The size of metal cans used for packaging of oily rags was not specified in the AK source documents, but metal cans used for packaging were typically one-gallon "paint" cans (Reference P111). Based on a review of available AK documentation, pyrophoric material, ignitable compressed gases, and oxidizing compounds were not identified in the process that generated waste stream SR-W027-321-322M-HET. The only potentially ignitable chemical identified in the 235-F met Lab was xylene; however, liquid waste residues from etching/polishing were captured and either recycled or discarded to the waste tanks and not disposed as Building 322-M waste (Reference C151). The waste material in the waste stream is therefore not ignitable waste (D001).

Corrosivity

The debris materials in waste stream SR-W027-321-322M-HET are not liquid and do not contain unreacted corrosive chemicals; therefore, they do not meet the definition of corrosivity as defined in 40 CFR 261.22. A solid waste exhibits the characteristic of corrosivity if it has any of the following properties: 1) It is aqueous and has a pH less

than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year (Reference 10).

The only corrosive liquids identified in the process were Aluminux and nitric acid solutions. Aluminux (sodium hydroxide powder) was added to a tank of hot water to make up a solution for etching target tubes. A tank containing a nitric acid solution was also used for etching target tubes. Depending on the level of solution contamination, Aluminux and nitric acid etch tanks were drained to the process sewer to a settling basin or were drained to liquid waste tanks for subsequent disposal in Building 221-F (References D013, M023, P092). Procedures required wet materials such as rags to be pressed to remove excess liquid. If the liquid was acidic, the acid was washed from the material, and the liquid was disposed down a waste drain. The wet materials were then neutralized before pressing to remove any additional liquid. Liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not corrosive waste (D002).

Reactivity

The debris materials in waste stream SR-W027-321-322M-HET do not meet the definition of reactivity as defined in 40 CFR 261.23. A solid waste exhibits the characteristic of reactivity if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173, *Shippers – General Requirements for Shipments and Packagings* (References 10, 17).

Based on a review of available AK documentation, reactive materials were not identified in the process that generated waste stream SR-W027-321-322M-HET. Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not reactive waste (D003).

5.4.4 Polychlorinated Biphenyls

Based on documentation reviewed during the AK investigation, some containers in waste stream SR-W027-321-322M-HET may contain polychlorinated biphenyls (PCBs) greater than 50 ppm, and therefore will be regulated as Toxic Substance Control Act (TSCA) waste under Title 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs)*

Manufacturing, Processing, Distribution in Commerce, and use Prohibitions, if identified by RTR or VE (Reference 15).

The final rule banning PCB manufacturing, processing, distribution in commerce, and use was promulgated in May 1979 (www.epa.gov/pcb). There is a potential for PCBs in this waste stream because it was generated from 1975 to 1980 (Reference M050). Common PCB items include fluorescent light ballasts and oil-filled equipment such as electrical transformers, capacitors, and hydraulic equipment. As described above in Section 5.3.1 and Table 5-5, hydraulic pumps were used in the Building 321-M target tube fabrication process. The specific oil used in this hydraulic system has not been determined, but PCBs were common in hydraulic oils. Used pump oils were collected in drums separately from solid waste and burned as fuel (References C017, D013). It is not known, however, whether pumps were disposed in drums in this waste stream. Unlike pump oils which were collected separately from solid waste, leaded oil used for billet lubrication was absorbed with Oil-Dri and included with solid waste. However, the use of oils for lubrication was not an application where PCBs would typically be found, and there is no indication that this lubricating oil contained PCBs (References C017, M023, P043).

Drums found to contain small capacitors contained in electric motors, or other potential PCB-containing items (e.g., pumps) during RTR or VE will be managed in accordance with the CCP TRU Waste Certification Program.

5.4.5 Prohibited Items

Prohibited items are not expected to be present in waste stream SR-W027-321-322M-HET. Waste oil was collected separately from solid waste, and depending on contamination levels was either sent for burning or Oil-Dri absorbent was added to form a solid cake (Reference D013, P036, P043, P111). When cleaning the degreaser or solvent still, the contaminated solvent was collected separately from solid waste (References P056, P092, P093, P094). Contaminated aqueous liquids (e.g., rinse water, nitric acid, and Aluminux solution) were drained to the process sewer to a settling basin or were drained to liquid waste tanks for subsequent disposal in Building 221-F (References D013, P056, P092, P093, P094). Previous RTR of the drums in this waste stream did not identify liquids (Reference M024). As described in Section 5.4.3.5, this waste stream does not contain ignitable, corrosive, or reactive wastes.

Certified RTR and/or VE are performed by CCP to ensure liquids do not exceed the amounts allowed by the WIPP-WAP and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of the amounts allowed by the WIPP-WAP, or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P162, P163).

5.5 Waste Packaging

Waste items included in waste stream SR-W027-321-322M-HET were typically packaged in metal cans, cardboard boxes/cartons, and/or plastic bags sealed with tape or were placed directly into a 90-mil rigid polyethylene drum liner. Waste items were also packaged directly without additional packaging (e.g., metal cans). The waste was then placed in a DOT Specification 7A, Type A (formerly identified as DOT 17C) 55-gallon galvanized steel drum lined with a 90-mil rigid polyethylene drum liner. The rigid liner lid was sealed onto the rigid liner using Raycohesive B-84. A styrene-butadiene rubber gasket was glued around the inside edge of the drum lid using Raycon adhesive. The drum lid and closure ring were placed on the drum and sealed by tightening the closure bolt in the ring (References DR005, M023, P111, P157, P160). Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner with or without lid (References P162, P163, P188).

5.5.1 Filter Vents

Waste stream SR-W027-321-322M-HET was generated prior to the use of carbon composite filter vents. The drums are fitted with approved filter vents prior to CCP waste characterization activities (References 5, 9).

5.5.2 Layers of Confinement

Packaging information regarding waste stream SR-W027-321-322M-HET is somewhat general and does not provide the number of confinement layers. A typical glovebox bagout would have two plastic bag layers plus a drum liner bag. However, without more specific information, it is assumed that the drums in this waste stream have up to five (5) layers of confinement.

As described above, repackaged waste will have a single vented drum liner bag. Any inner rigid containers (e.g., metal cans) greater than four liters are prohibited and must be remediated prior to WIPP disposal. Once remediated, these containers will not constitute layers of confinement. In addition, VE of the waste requires breaching of inner bags, if present, to examine the contents. Therefore, repackaged waste will have one (1) layer of confinement.

6.0 REQUIRED WASTE STREAM INFORMATION: SR-W027-321M-HOM

This section presents the mandatory TRU waste stream specific information required by the WIPP-WAP and WIPP-WAC for waste stream SR-W027-321M-HOM (References 2 and 3). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

6.1 Area and Building of Generation

Waste stream SR-W027-321M-HOM was generated in the Building 321-M Fuel Fabrication Facility in the 300-M Area (References D013, M050).

6.2 Waste Stream Volume and Period of Generation

Waste stream SR-W027-321M-HOM consists of one 55-gallon drum generated in May 1975 (Reference M050). TRU waste will not be generated in the future (Reference P166).

6.3 Waste Generating Activities

The primary TRU waste generating activity in Building 321-M was fabrication of plutonium target tubes and associated maintenance operations. Plutonium extrusion billets were fabricated in Building 235-F and subsequently transferred to Building 321-M for evacuation, extrusion into target tubes, tube finishing, testing and evaluation, and final assembly. This operation is illustrated in Figure 4 (References C016, C036, C037, D013, D035, D043). Waste stream SR-W027-321M-HOM was generated from maintenance of the extrusion press pit (Reference P036).

After fabrication in Building 235-F, the plutonium billets were transferred to Building 321-M for evacuation (also called outgassing) where the billets were heated to a temperature greater than the extrusion temperature to check for weld leaks. Billets were then lubricated with Aquadag (a colloidal suspension of graphite in water). The graphite coating provided a uniform black body for accurate temperature control during pre-heating. The billets were pre-heated to the extrusion temperature and then sealed with a crimping tool. Pre-heated billets were further lubricated immediately before extrusion by coating them with a mixture of powdered lead in A-408 Oil (ISO 680 hydrocarbon oil) (References D013, D043, P020, P022, P024, P026, P031, P043).

Periodically the oil in the extrusion press pit needed to be cleaned out and disposed. The oil was pumped into a 55-gallon drum until the drum was half full. The oil was sampled and analyzed, and if the oil was found to be contaminated, Oil-Dri (granular clay absorbent) was added to form a solid cake. Once the oil was removed from the pit, residual oil was removed from the pit floor with rags which were then placed into a plastic-lined container. Residual lead was removed from the pit and

placed into a metal container with Oil-Dri. If necessary, the pit was also cleaned with Klear All 99 solvent (methylene chloride, tetrachloroethylene, and petroleum distillates) (References M023, P036, P043).

6.4 Type of Wastes Generated

This section describes the waste materials based on process inputs and outputs, waste matrix code assignment, waste material parameter weight estimates, radionuclide percentages, and hazardous waste determinations for waste stream SR-W027-321M-HOM.

6.4.1 Materials Related to Physical Form

Waste stream SR-W027-321M-HOM is comprised primarily of a lubricating oil and powdered lead mixture absorbed with Oil-Dri as well as lesser amounts of organic and inorganic debris waste items. The BGR identifies Type Code 2 which is defined as absorbed oil (References M050, P067). Previous RTR identified predominantly absorbent as well as plastics (bags, filters), metal cans, and scrap metal (References C105, M024, M054). Based on a review of Building 321-M maintenance procedures and other documentation, additional waste items in this waste stream may include iron-based metals (e.g., cans, dustpan, funnel, shovel), asbestos (e.g., gloves), paper (e.g., wipes), rags, leather gloves, plastic (e.g., bags, sheeting, tape), rubber (e.g., hose), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., portable pumps) (References C017, P036).

6.4.1.1 Waste Matrix Code

As stated in the previous section, waste stream SR-W027-321M-HOM is comprised primarily of a lubricating oil and powdered lead mixture absorbed with Oil-Dri as well as minor amounts of organic and inorganic debris waste items. The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste recorded on the BGR, previous RTR data, and review of operating procedures.

Accordingly, Waste Matrix Code S3114, Absorbed Organic Liquids, is applied to this waste stream. The definition of this Waste Matrix Code is provided in DOE/LLW-217 (Reference 13). This category includes waste that is greater than 50 percent, by volume, inorganic particulate absorbent materials with absorbed organic liquids. Typical examples of inorganic particulate absorbent materials are clay, vermiculite, and diatomaceous earth.

6.4.1.2 Waste Material Parameters

The BGR for this waste does not provide any waste material weight or volume estimates, and the uncertified (i.e., "quick scan") RTR data sheet does not include an estimate of the various waste materials (References M024, M050). A second

uncertified RTR was done for the one drum in waste stream SR-W027-321M-HOM to determine the summary category group and estimate the waste material parameter weights (References C105, M054). This evaluation is documented in a memorandum (included with the Waste Form, Waste Material Parameters, Prohibited Items, and Packaging form) as required by CCP-TP-005 (Reference 1).

Table 6-1. Waste Stream SR-W027-321M-HOM Waste Material Parameters

Waste Material Parameter	Weight Percent
Iron-based Metals/Alloys	3.3%
Aluminum-based Metals/Alloys	<0.1%*
Other Metals	<0.1%*
Other Inorganic Materials	0%
Cellulosics	<0.1%*
Rubber	<0.1%*
Plastics (waste materials)	5.4%
Organic Matrix	91.3%
Inorganic Matrix	0%
Soils/Gravel	0%
Total Inorganic	**3.3%**
Total Organic	**96.7%**

*Waste material parameters not identified by uncertified RTR; however, AK documentation indicates they may be present in the waste stream.

6.4.2 Radiological Characterization

As stated previously, the mission of Building 321-M as it related to the generation of waste stream SR-W027-321M-HOM was maintenance associated with the fabrication of Mark 41 plutonium target tubes. A Mark 41 pilot demonstration was conducted in February 1975, and the Mark 41 production runs began in April 1975. Table 6-2, Isotopic Mass Distribution Ranges for Mark 41 Materials, provides additional details on the isotopic for this program (References C027, C028, D035, D043).

Table 6-2. Isotopic Mass Distribution Ranges for Mark 41 Materials

Isotope	Mark 41 Pilot Run (wt%)	Mark 41 Production (wt%)
Pu-238	0.46 – 0.48	1.12 – 1.33
Pu-239	69.56 – 70.13	3.36 – 17.59
Pu-240	21.65 – 22.06	27.86 – 32.04
Pu-241	5.20 – 5.33	9.25 – 11.05
Pu-242	2.53 – 2.59	44.18 – 52.52

TRU activity in the waste was determined by direct measurements whenever possible using a PHA, lab sample analysis, or health physics smears. The isotopic information

was reported on the BGR for each waste container (References D013, P067, P160). The BGR includes a variety of contamination code which correlates to the accountable material in the waste. For each variety of contamination, the total quantity of the element (e.g., sum of all plutonium isotopes) and the isotopic quantity (mass of prevalent isotope) are provided on the BGR. The percentage of the prevalent isotope can be calculated by dividing the isotopic quantity by the total quantity. The one drum in this waste stream was assigned variety of contamination 41 (20 to 60 wt% Pu-242). However, the isotopic quantity and total quantity were reported as the same mass to two decimal places and would calculate to 100.00 percent Pu-242 which isn't possible (References DR002, M050, P067, P158).

As previously mentioned, the Mark 41 program was a short duration project. The longer-term mission of Building 321-M was the fabrication of enriched uranium and neptunium target tubes (Reference D013).

Certified CCP NDA data were not consistent with AK. Therefore, the values reported in Table 6-3, Waste Stream SR-W027-321M-HOM Radiological Characterization, are based on the results of certified CCP NDA data. To determine isotopic ratios, the gram value for each individual radionuclide was summed over the waste stream and then divided by the total radiological mass in the waste stream (i.e., one drum). This value was converted to a percentage and is presented as the "Total Radionuclide Wt%" on the following table. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activities for each radionuclide over the waste stream. The radionuclide weight percent range for individual drums and total radionuclide curie percent range for individual drums were not determined because this is a one drum waste stream. The two most prevalent radionuclides by mass, as shown in Table 6-3, are Pu-239 and Np-237 (References D013, DR012). The radiological evaluation for this waste stream is documented in the NDA Memorandum as required by CCP-TP-005 (Reference 1).

Table 6-3. Waste Stream SR-W027-321M-HOM Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	Not Reported				Yes[6]
Pu-238	7.80%	N/A	**96.82%**	N/A	Yes
Pu-239	**69.86%**	N/A	3.15%	N/A	Yes
Pu-240	Not Reported				Yes[7]
Pu-242	0.01%	N/A	Trace	N/A	Yes
U-233	Not Reported				No
U-234	3.79%	N/A	0.02%	N/A	Yes
U-238	Not Reported				Yes[8]
Cs-137	Trace	N/A	Trace	N/A	Yes
Sr-90	Trace	N/A	Trace	N/A	Yes
Additional Radionuclides					
Pu-241	Not Reported				Yes[7]
Np-237	**18.54%**	N/A	0.01%	N/A	Yes
U-235	Not Reported				Yes[8]

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream (i.e., one drum).
2. Radionuclide Wt% Range for Individual Containers was not reported because this is a one drum waste stream.
3. This listing indicates the total curie percent of each radionuclide over the entire waste stream (i.e., one drum).
4. Radionuclide Ci% Range for Individual Containers was not reported because this is a one drum waste stream.
5. "Trace" indicates <0.01 weight or activity percent for that radionuclide.
6. Am-241 was not reported in SRS or CCP data but will be potentially present from the decay of Pu-241.
7. Pu-240 and Pu-241 were not reported in CCP data but are potentially present because they are present in Mark 41 materials.
8. U-235 and U-238 were not reported in SRS or CCP data but are potentially present from enriched uranium fabrication operations.

6.4.3 Chemical Content Identification – Hazardous Constituents

Waste stream SR-W027-321M-HOM has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. This waste was generated approximately 35 years ago before RCRA was implemented at SRS. Based on historical waste management practices, the SRS managed the container in this waste stream as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream, including those identified in MSDS information for commercial products and certified solid sampling, has determined that this waste stream is RCRA-hazardous. Resolution of the discrepancy between the nonhazardous characterization by SRS and the EPA hazardous waste numbers assigned in this AK summary report is described below (Reference DR011).

Table 6-4, Waste Stream SR-W027-321M-HOM EPA Hazardous Waste Numbers, provides the hazardous constituents and associated EPA hazardous waste numbers assigned to this waste stream. Table 6-5, Chemicals in Absorbed Billet Lubricating Oil, is a list of chemicals and their use/source as it relates to the generation of this waste stream.

Table 6-4. Waste Stream SR-W027-321M-HOM EPA Hazardous Waste Numbers

Constituent	EPA Hazardous Waste Number
Lead	D008
Methylene chloride	F002
Tetrachloroethylene	F002
Trichloroethylene	F002

Table 6-5. Chemicals in Absorbed Billet Lubricating Oil

Chemical/Compound	Use/Source	EPA Hazardous Waste Number	Reference
A-408 Oil (ISO 680 hydrocarbo oil) with powdered lead	Applied to billets prior to extrusion	D008	D013, M023, P043, P155
Aluminum stearate – dodecanol mixture	Billet compact lubricant remaining from fabrication in Building 235-F	N/A	D035, D043
Aquadag Lubricant (colloidal suspension of graphite in water)	Applied to billets prior to extrusion	N/A	D013, M023, P024
Klear All 99 (methylene chloride, tetrachloroethylene, and petroleum distillates)	Solvent used during extrusion press pit cleaning	F002	M023, P036
Lead	Contaminant detected in certified solid sampling above the program required quantitation limit (PRQL)	D008	DR011
Nochar Acid Bond A660 Absorbent (sodium polyacrylate polymer)	Absorption of liquids identified during waste repackaging	N/A	M023, P162
Nochar Petrobond A610 Absorbent (sodium polyacrylate polymer)	Absorption of liquids identified during waste repackaging	N/A	M023, P162
Oil-Dri Absorbent (granular clay absorbent)	Absorption of excess leaded oil lubricant, and contaminated oil from extrusion press pit	N/A	P036, P043
Raycohesive B-84 (1,1,1-trichloroethane and methylene chloride)	Adhesive used for sealing rigid liner lid and drum gasket	N/A	M023, P111, P160
Trichloroethylene	Contaminant detected in certified solid sampling above the PRQL	F002	DR011

6.4.3.1 F-Listed Constituents

Waste stream SR-W027-321M-HOM is an F-listed hazardous waste because it was mixed with hazardous wastes from non-specific sources as listed in 40 CFR Part 261, Subpart D (Reference 10). The following F-listed constituents were used and contaminate the materials in this waste stream.

- Klear All 99 solvent was used for cleaning of the extrusion press pit (Reference P036). This commercial product contains tetrachloroethylene and methylene chloride (Reference M023).

- CCP certified solid sampling and analysis of homogeneous waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit (UCL_{90}) exceeded the PRQL for this analyte. A re-evaluation was performed and no potential source of trichloroethylene was found in the available AK documentation. As required by the WIPP-WAP (prior to the March 13, 2013 revision), hazardous waste number F002 is conservatively assigned to the waste stream for trichloroethylene because the source of the constituent could not be identified. However, consistent with RCRA, F002 is not assigned to debris waste stream SR-W027-321-322M-HET for trichloroethylene because no source or solvent use of this constituent was found in the AK documentation associated with this waste stream (Reference DR011).

- Raycohesive B-84 which contains 1,1,1-trichloroethane and methylene chloride was used to seal the rigid liner lid and drum gasket in place (References M023, P111, P160). According to the WIPP-WAP, solvents used for packaging purposes do not meet the definition of an F-listed waste.

As indicated above, F001 listed solvents methylene chloride, tetrachloroethylene, and trichloroethylene were identified as being present in the waste stream. However, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. This waste was generated during maintenance operations, not during large-scale degreasing operations (References 14, DR011). Therefore, EPA hazardous waste number F002 is assigned to this waste stream.

6.4.3.2 Toxicity Characteristic Metals

Waste stream SR-W027-321M-HOM exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24, Subpart C (Reference 10).

Absorbed lubricating oil mixed with powdered lead is present in this waste stream (References D013, P043, P155). In addition, lead was detected above the regulatory level in certified solid sampling. Other toxic metals were also detected in the solid sampling but they were present below regulatory levels. Therefore, EPA hazardous waste number D008 is assigned to this waste stream (Reference DR011).

6.4.3.3 Toxicity Characteristic Organics

Waste stream SR-W027-321M-HOM does include organic toxicity characteristic compounds as defined in 40 CFR 261, Subpart C (40 CFR 261.24) (Reference 10).

Tetrachloroethylene (D039) was used in the process that generated this waste stream (References M023, P036). In addition, the UCL_{90} for toxicity characteristic compound trichloroethylene (D040) exceeded the PRQL in certified solid sampling. However, the more specific EPA hazardous waste number F002 has been assigned to the waste stream and the assignment of the corresponding toxicity characteristic EPA hazardous waste numbers is not necessary (i.e., D039, D040). Therefore, these characteristic EPA hazardous waste numbers are not assigned to this waste stream (References 14, DR011).

6.4.3.4 U-, P-, and K-Listed Wastes

Waste stream SR-W027-321M-HOM does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof (40 CFR 261.33) (Reference 10). Based on the AK documentation reviewed, there is no evidence that unused commercial products were disposed of in TRU waste drums. Consequently, U- and P-listed EPA hazardous waste numbers are not assigned to this waste stream. In addition, hydrofluoric acid and beryllium were not used in Building 321-M. Therefore, EPA hazardous waste numbers U134 and P015 are not assigned to this waste stream (References M050, M060).

Waste stream SR-W027-321M-HOM does not contain hazardous waste from any of the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste (Reference 10).

6.4.3.5 Ignitables, Corrosives, and Reactives

Ignitability

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of ignitability as defined in 40 CFR 261.21. A solid waste exhibits the characteristic of ignitability if it has any of the following properties: 1) It is a flammable liquid (flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter) (Reference 10).

Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). Oil-soaked rags are subject to spontaneous combustion. To prevent these rags from igniting, they were packaged in sealed metal cans with sufficient Oil-Dri to absorb all oily liquid (Reference P111). Based on a review of available AK documentation, ignitable liquids, pyrophoric material, ignitable compressed gases, and oxidizing compounds were not identified in the process that generated waste stream SR-W027-321M-HOM. The waste material in the waste stream is therefore not ignitable waste (D001).

Corrosivity

The waste material in waste stream SR-W027-321M-HOM is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity as defined in 40 CFR 261.22. A solid waste exhibits the characteristic of corrosivity if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year (Reference 10).

Based on a review of available AK documentation, corrosive liquids were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid. If the liquid was acidic, the acid was washed from the material, and the liquid was disposed down a waste drain. The wet materials were then neutralized before pressing to remove any additional liquid. Liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not corrosive waste (D002).

Reactivity

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of reactivity as defined in 40 CFR 261.23. A solid waste exhibits the characteristic of reactivity if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173 (References 10, 17).

Based on a review of available AK documentation, reactive materials were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids

were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not reactive waste (D003).

6.4.4 Polychlorinated Biphenyls

Based on documentation reviewed during the AK investigation, waste stream SR-W027-321M-HOM does not contain PCBs greater than 50 ppm, and therefore is not regulated as a TSCA waste under 40 CFR 761 (Reference 15).

The final rule banning PCB manufacturing, processing, distribution in commerce, and use was promulgated in May 1979 (www.epa.gov/pcb). Common PCB items include fluorescent light ballasts and oil-filled equipment such as electrical transformers, capacitors, and hydraulic equipment (e.g., pumps). There is no indication of these items being present in this waste stream. A portable pump was used to remove the oil from the extrusion press pit and transfer it into a drum, but RTR did not identify a pump in this drum (Reference M024). Pump oils, which commonly included PCBs, were collected separately from this waste stream. This waste stream includes absorbed A-408 lubricating oil mixed with powdered lead, and there is no indication that this lubricating oil contained PCBs (References C017, M023, P043).

Drums found to contain small capacitors contained in electric motors, or other potential PCB-containing items (e.g., pumps) during RTR or VE will be managed in accordance with the CCP TRU Waste Certification Program.

6.4.5 Prohibited Items

As described in Section 6.4.3.5, this waste stream does not contain ignitable, corrosive, or reactive wastes. Uncertified RTR conducted on this drum in February 2008 identified 2.5 gallons of liquid (Reference M024). This drum was repackaged in August 2008, and the repackaging form indicates the liquid was absorbed. However, an uncertified RTR was conducted again in July 2011 and liquid was identified in the folds of the plastic (Reference M054).

Certified RTR and/or VE are performed by CCP to ensure liquids do not exceed the amounts allowed by the WIPP-WAP and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of the amounts allowed by the WIPP-WAP, or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P162, P163).

6.5 Waste Packaging

Waste stream SR-W027-321M-HOM was packaged in metal cans and/or plastic bags sealed with tape. Waste packages were then placed in a DOT Specification 7A, Type A (formerly identified as DOT 17C) 55-gallon galvanized steel drum lined with a 90-mil rigid polyethylene drum liner. The rigid liner lid was sealed onto the rigid liner using Raycohesive B-84. A styrene-butadiene rubber gasket was glued around the inside edge of the drum lid using Raycon adhesive. The drum lid and closure ring were placed on the drum and sealed by tightening the closure bolt in the ring (References M023, P111, P157, P160).

Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without lid (References P162, P163, P188).

6.5.1 Filter Vents

Waste stream SR-W027-321M-HOM was generated prior to the use of carbon composite filter vents. The one drum in this waste stream has been repackaged and fitted with an approved filter vent (References 5, 9).

6.5.2 Layers of Confinement

As described above, the one drum in this waste stream has been repackaged and has a single vented drum liner bag (Reference C105). Any inner rigid containers (90-mil liner, metal cans) greater than four liters are prohibited and must be remediated prior to WIPP disposal. Once remediated, these containers will not constitute layers of confinement. In addition, VE of the waste requires breaching of inner bags to examine the contents. Therefore, repackaged waste will have one (1) layer of confinement.

7.0 CONTAINER SPECIFIC INFORMATION

Container-specific information reviewed for waste streams SR-W027-321-322M-HET and SR-W027-321M-HOM consisted of BGRs and RTR data. The information obtained from these records is as follows (References M024, M050, P067):

Radioactive Solid Waste Burial Ground Record (Form OSR 7-375A)

- File Sequence Number (this is the Container ID)
- Date Shipped (to the SRS burial ground)
- Shipped from Building and Area (origin of the waste)
- Variety of Contamination (accountable material code)
- Total Quantity (of the element, e.g. sum of all plutonium isotopes)
- Isotopic Quantity (mass of prevalent isotope)
- Type Code (physical form of waste)
- Comb Code (C – Combustible, N – Noncombustible)
- Volume (waste container volume rounded to whole numbers)
- Description (descriptive information but not always physical form)
- Health Physics Survey Data (dose rate information)
- Remarks

RTR Quick Screen Data Sheet

- Container ID
- Liner lid vent or hole
- Prohibited items
- Sharp objects
- Percent full
- Waste item descriptions
- Remarks

In accordance with procedure CCP-TP-005 (Reference 1), a CCP Waste Containers List (Attachment 8 of the procedure) is completed and maintained as a quality record for waste tracking purposes. Information tracked includes container identification number, waste stream number, and the closure date for each container.

8.0 REFERENCE INFORMATION

1. CCP-TP-005, *CCP Acceptable Knowledge Documentation*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

2. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*, New Mexico Environment Department, Santa Fe, New Mexico

3. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. Department Of Energy, Carlsbad Field Office

4. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

5. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

6. 42 U.S.C. 10101, *Nuclear Waste Policy Act of 1982*, U.S. Congress

7. DOE/TRU-12-3425, *Annual Transuranic Waste Inventory Report – 2012*, U.S. Department Of Energy, Carlsbad Field Office

8. CCP-AK-SRS-12, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Solid Waste Management Facility, Waste Streams: SR-SWMF-HET-A, SR-SWMF-HET-B*

9. CCP-PO-002, *CCP Transuranic Waste Certification Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

10. 40 CFR, Part 261, *Identification and Listing of Hazardous Waste*, U.S. Environmental Protection Agency

11. DOE M 435.1-1, *Radioactive Waste Management Manual*, U.S. Department Of Energy, Office of Environmental Management

12. CCP-AK-SRS-6, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site F-Area Materials Storage Facility Waste Streams: SR-W027-235F-HET, SR-W027-235F-HOM, SR-W027-235F-HEPA*

13. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, Revision 0, T.D. Kirkpatrick, Idaho National Engineering Laboratory, Lockheed Idaho Technologies Co., Idaho Falls, Idaho, January 1995

14. McCoy and Associates, Inc. 2010, *McCoy's RCRA Unraveled, 2010 Edition*

15. 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions*, U.S. Environmental Protection Agency

16. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act*, U.S. Congress

17. 49 CFR, Part 173, *Shippers – General Requirements for Shipments and Packagings*, U.S. Department of Transportation

9.0 AK SOURCE DOCUMENTS

Tracking Number	Document Title
C016	Memo to T. C. Evans re: Nuclear Criticality Safety Analysis No. 67 Processing Mark 41 in Buildings 321-M and 322-M
C017	Memo to S. L. Tibrea re: Building 321-M Wastes
C027	Memo to J. M. Boswell re: Mark 41 Development Program Status
C028	Memo to J. M. Boswell re: Mark 41 Development Program-Status (2)
C036	Memo to J. Jiunnies re: Nuclear Criticality Safety Analysis No. 157 Processing Mark 42 Tubes and Billets in the 300 Area
C037	Memo to G. W. Wilds re: Nuclear Criticality Safety Analysis 79-4 Nuclear Safety in the Fabrication and Shipment of Mark 42 Billets for the Pu-242 Program
C038	Memo to J. P. Maloney re: Evaluating Mark 41 (PuO2) Tubes Containing High Density Spots
C044	Memo to G. W. Wilds re: Summary of MK 42 Program in Building 235-F
C045	Memo to R. S. Swingle re: 235-F Quality Control Program Mark 42 Billet Fabrication
C100	Memorandum from Kevin J. Peters to CCP Central Records. Subject: Savannah River Transplutonium Program & Special Isotope Production for Defense R&D
C104	E-mail from Dan Remington to Jeff Harrison, et al. Subject: PSLBC0051 Technical Questions Answered
C105	Review of RTR Fast Scan for SR500174
C150	Modification of Bldg. 322-M Plutonium-Neptunium Glove Box System
C151	Email from Jeff Lunsford to Jim Schoen Dated 6/18/12
C152	Email from Jeff Lunsford to Jim Schoen Dated 6/19/12
D013	Safety Analysis – 300 Area, Savannah River Plant, Raw Materials Area Operations; Fuel Fabrication Facility – Building 321-M (UCNI)
D022	Mark 41 Irradiation Program, Add. 1
D035	Mark 41 Billet Fabrication Program Building 235-F
D043	Mark 41 PuO_2-Al Outer Target Tube 300-Area Process Documentation (a Works Technical Internal Report)
DR002	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Mark 41 and Mark 42 Radionuclides
DR005	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Waste Stream SR-W027-321-322M-HET Packaging
DR011	Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM
DR012	Acceptable Knowledge Source Document Discrepancy Resolution – Radiological Distribution for Waste Stream SR-W027-321M-HOM
M023	Material Safety Data Sheets for Commercial Products Used in Building 321-M
M024	RTR Quick Screen Data Sheets
M050	Burial Ground Records
M053	Radioassay Data Sheets for SR505375 and SR500174
M054	RTR Still Images of SR500174
M060	GoWest Database Query – Generator Facility 321 M
P020	Special Test Procedure - Mark 41 Outer Target Development Pilot Run
P022	Sealing Billet Evacuation Tubes
P024	Preparing and Applying Billet Lubricant
P026	Operating Outgassing Ovens A, B, C, & D
P028	Operating the Bond Tester

Tracking Number	Document Title
P029	Process Quality Assurance
P031	Operating the Extrusion Press (Coextrusion)
P036	Cleaning Extrusion Press Pit
P042	Assembly of Tubes
P043	Preparing, Applying, and Disposing of Lead-Oil Lubricant
P050	Transferring Metallurgical Sample Tubes Between Buildings 321-M And 322-M
P051	Final Inspection of Tubes
P054	Dimensional Inspection of Tubes
P055	Operating the Pickling Room Hoist
P056	Cleaning EP 63 Solvent Recovery Still
P058	Assembly Straightness Inspection
P059	Cutting Fuel Tubes with Hand Saw
P062	Straightening Tubes with Gag Press
P067	Completing Burial Ground Record Forms
P083	Thermal Test Oven Operation, EP 20169
P088	Trimming Tubes Using Stone Cutoff Saw, Model M-75
P090	Starting up and Shutting Down Pickling Room
P092	Preparing, Adjusting, and Disposing of Tube Cleaning Solutions
P093	Operating the Trichloroethane Recovery Still, EP 20189
P094	Shutting Down and Cleaning Degreaser, EP 116
P098	Machining Tubes to Specifications on Cutter-Trimmer
P099	Sizing Tubes on Drawbench, EP 114
P105	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part III
P109	Postextrusion Cleaning - Tubes or Logs
P111	Radiation and Contamination Control for Processing Neptunium and Plutonium Elements
P123	Special Test Procedure - Mark 41 Outer Target Production, NTG Testing Through Shipping
P132	Special Test Procedure - Mark 41 Outer Target Production, Radiation and Contamination Control Mark 41 Outer Target (Pu) Elements
P151	Special Test Procedure - Mark 41 Outer Target Production, Special Fluoroscope Inspection
P154	Special Test Procedure - Evaluating Mark 41 PuO2 Tubes Containing High Density Spots
P155	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part II
P157	Storage of Transuranium (TRU) Waste
P158	Manual For Nuclear Materials Management And Safeguards System Reporting And Data Submission
P159	Technical Standard - Storage of Solid Radioactive Waste
P160	Management of Solid Radioactive Waste
P161	Supplemental Technical Data Summary, M-Area Groundwater Investigation
P162	Absorbing Containerized Liquids
P163	TRU Drum Repackaging
P166	Decommissioning Scoping Document. Building 321-M, Fuel Fabrication Facility
P188	Packaging Sealed Containers With Liquid Waste (U)

Figure 1. Location of the 300-M Area and E-Area at Savannah River Site

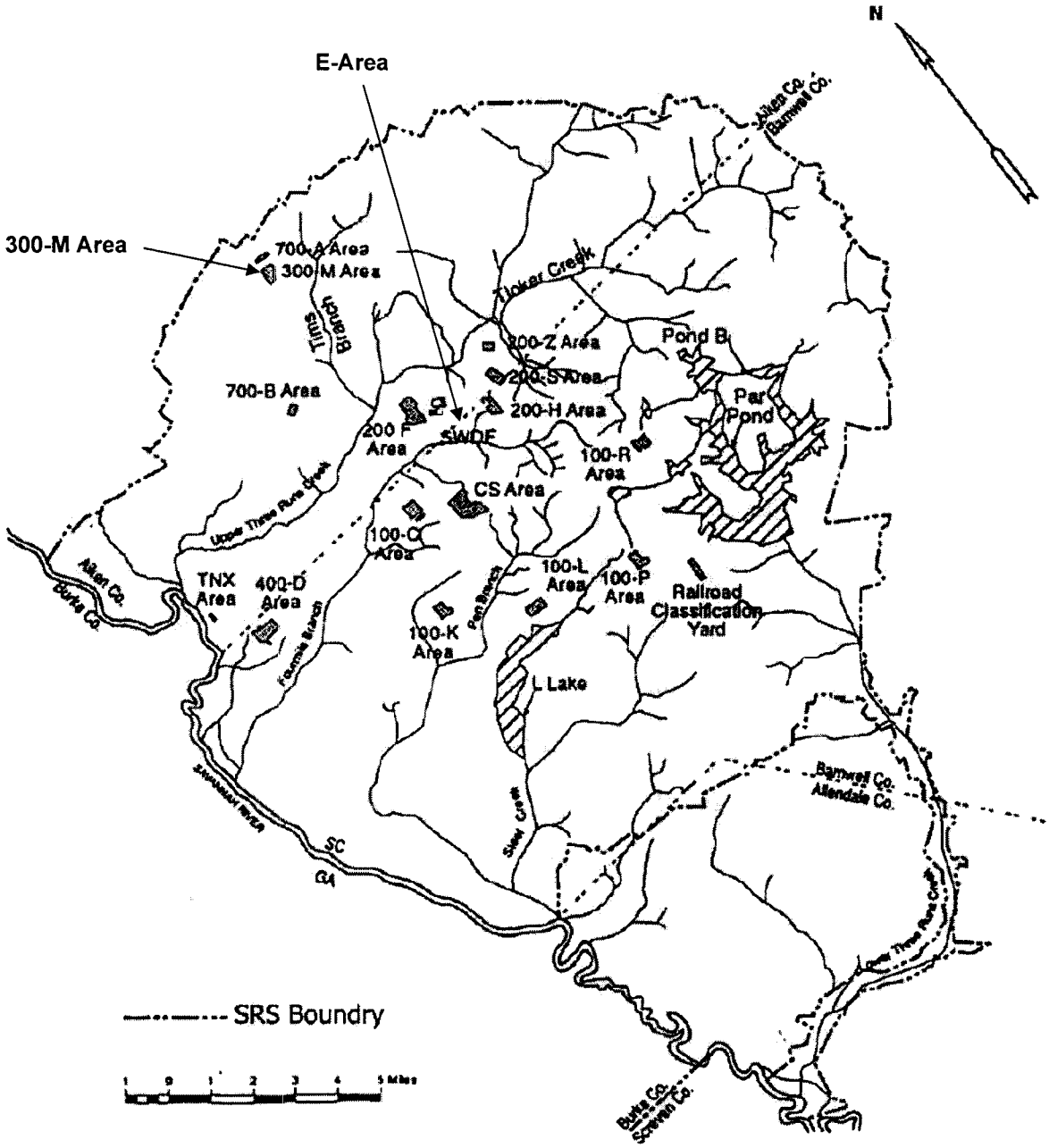


Figure 3. Solid Waste Management Facility in E-Area

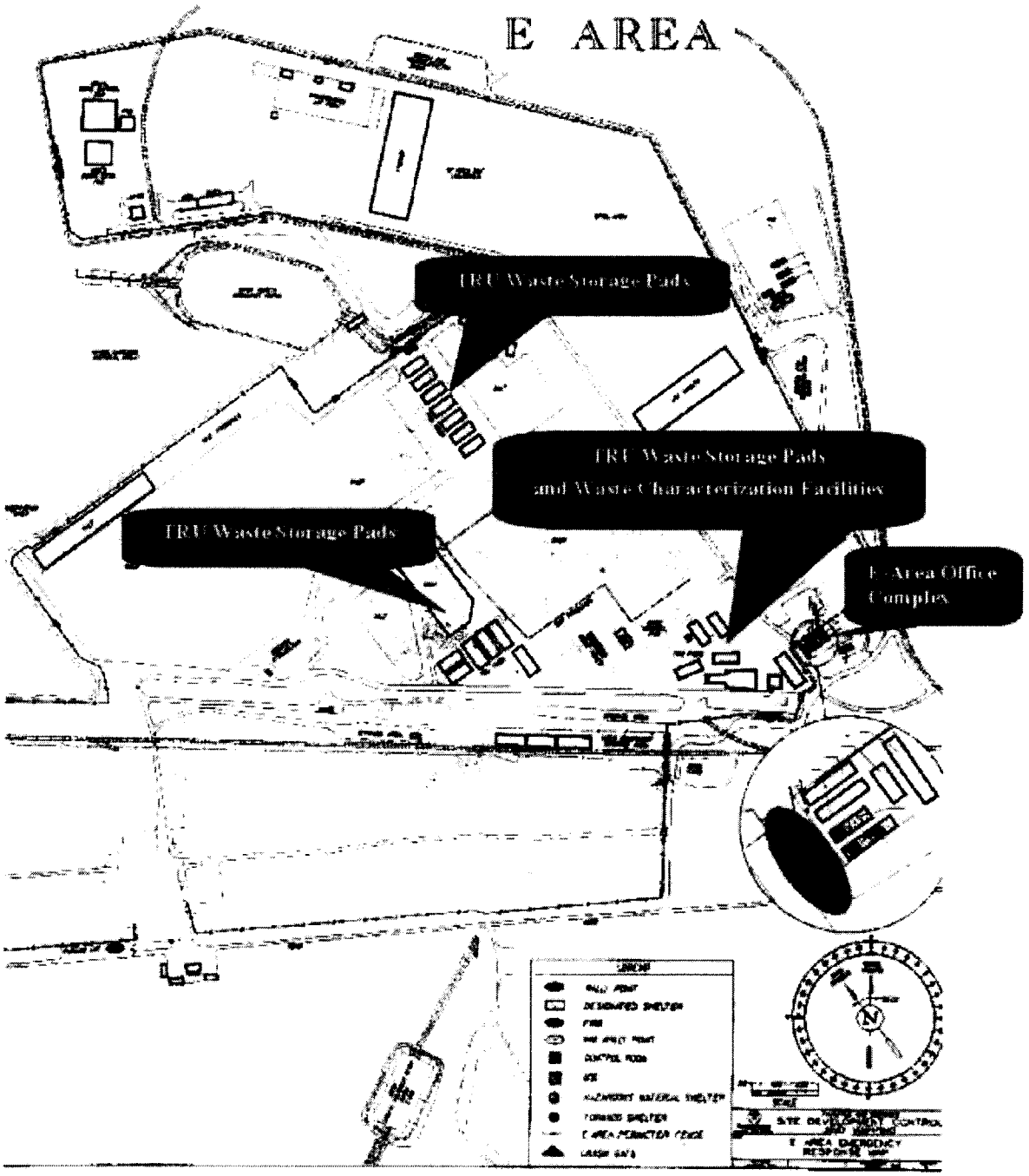
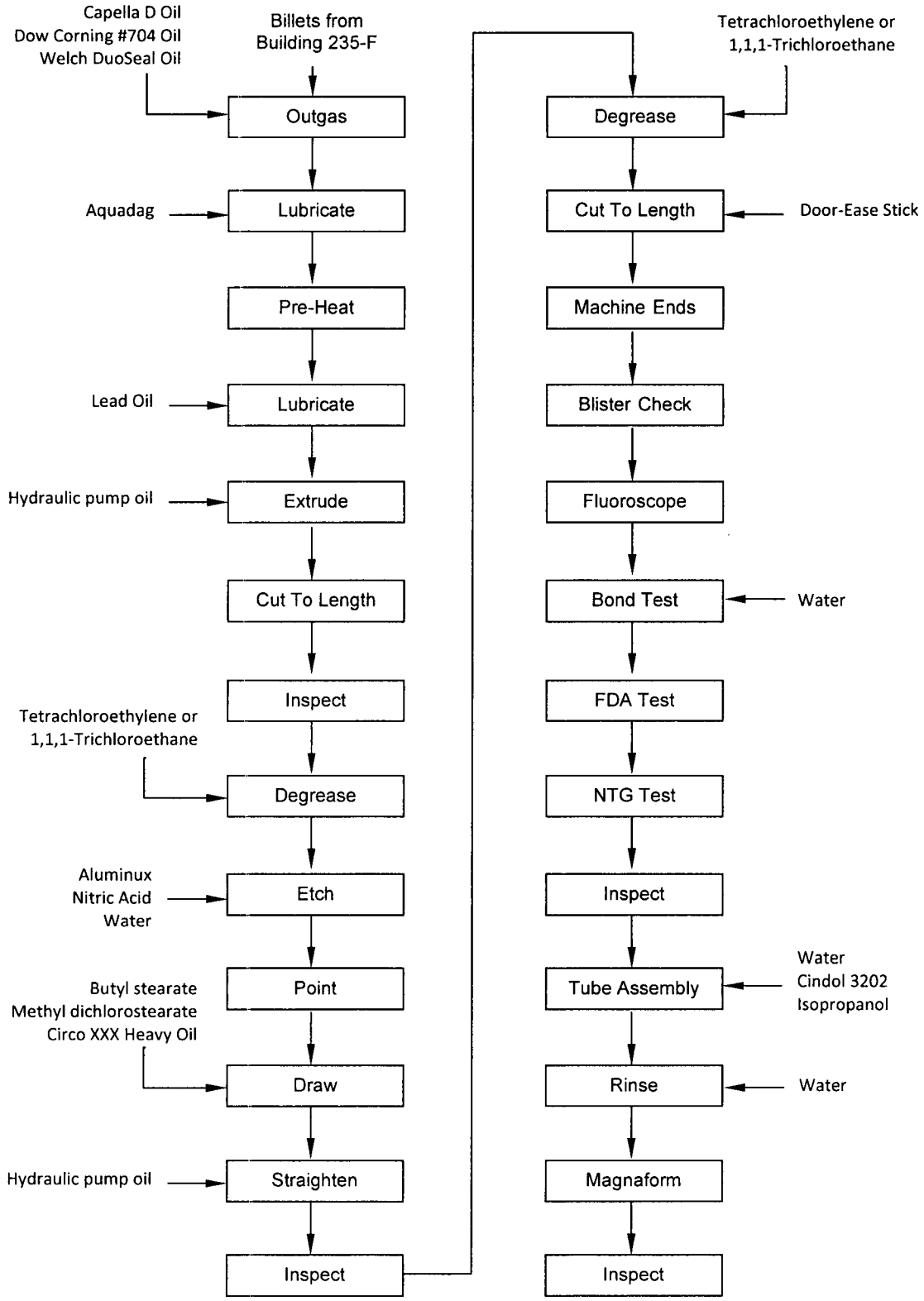


Figure 4. Target Tube Fabrication Process Flow Diagram



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CCP-AK-SRS-8

Central Characterization Program
Acceptable Knowledge Summary Report
For

Mound Site
Transuranic Waste
Stored at Savannah River Site

Waste Streams:
SR-MD-HET
SR-MD-SOIL
SR-MD-HOM-A
SR-MD-HOM-C

REVISION 8

October 10, 2012

Mike Ramirez
Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	04/19/2005	Initial issue.
1	07/13/2005	Based on a review of Acceptable Knowledge (AK) for additional containers of soil, Revision 0 of this AK Summary Report does not bound these containers. The Executive Summary and Sections 2.0, 3.0, 4.0, 6.0, 9.0, 10.0, and 11.0 have been revised to incorporate information on this additional soil waste.
2	09/22/2005	1. Moved 40 drums from SR-MD-SOIL to SR-MD-HET. As a result, changes were made to volumes and radiological distributions for both waste streams; and to generation dates, waste generating activities, waste stream description, and Environmental Protection Agency hazardous waste numbers for SR-MD-HET. 2. Revised Polychlorinated biphenyls discussion for SR-MD-HET to include a drum containing a transformer. 3. Revised SR-MD-SOIL prohibited items to include residual liquid. 4. Changed beryllium limit from 5 kg to 18.14 kg for all waste streams. 5. Modified radiological distributions for all waste streams based on data entry errors that were found and corrected in historical assay data. The primary error was radionuclides that had been entered as measured values when they were actually the instrument detection limit.
3	12/07/2005	Revised to provide a clarification on the expected quantity to residual liquid was included for waste stream SR-MD-SOIL.
4	10/04/2007	Added waste stream SR-MD-HOM-C. Incorporate comments from Corrective Action Report (CAR) 06-025. Added a summary of waste material parameter weight percentages based on data from similar waste streams from Idaho and 29-90 forms. Added the TRUPACT-II Content (TRUCON) Code for high wattage waste shipments. U.S Environmental Protection Agency (EPA) Codes D009 and F002 were added to waste stream SR-MD-HOM-A.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
5	10/14/2009	Changed TRUPACT-II Content (TRUCON) Codes for SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-B, and SR-MD-HOM-C to SQ 111/SQ 211. Changed Sections 2.2 and 6.5.2 so that the maximum layers of confinement for 55-gallon drums in SR-MD-SOIL is one. Updated waste stream volumes for SR-MD-HET and SR-MD-SOIL. Added discussion of drums that moved from SR-MD-HET to SR-MD-SOIL based on real-time radiography (RTR). Added discussion of compacted drum MDL021377. Added a new paragraph in Section 7.3 to explain why the drums in SR-MD-HOM-A are considered a single waste stream. Corrected inorganic matrix in Table 7-1A from 2.0 to 72.0. In Table 7-2, changed U-233 suspected present from No to Yes and added a new footnote. In Section 11.0, changed to be determined (TBD) dates for DR005 and DR008 to the correct date. Added new source documents DR009 and DR010. Deleted P008 because it is a duplicate of I047. Made editorial changes and corrections throughout document.
6	10/18/2010	Revised to expand the spent nuclear fuel and high-level waste assessment discussion, to update the polychlorinated biphenyls and prohibited items section in waste stream SR-MD-HET; to address the final packaging of boxed waste; and to include miscellaneous editorial changes. This revision also includes changes identified during the 2009 re-certification audit to Sections 4.4.2, 6.2, 6.4.1, 7.4.3.1, and 11.0.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
7	11/01/2011	Revised to incorporate changes required by the Waste Isolation Pilot Plant Permit (WIPP) renewal dated November 30, 2010; to include changes identified during the 2010 recertification audit; to add TRUPACT-III Content Code SR 425 to waste stream SR-MD-HET; to update the Annual Transuranic Waste Inventory Report (ATWIR) identification numbers; to delete waste stream SR-MD-HOM-B (container disposed of as low-level waste); to expand the waste stream correlation section; and to clarify the waste packaging configurations. This revision also includes miscellaneous changes made throughout the report.
8	10/10/2012	Revised to expand/modify Sections 1.0, 2.0, and 3.0; to add TRUPACT-III Content Code SR 411 to waste stream SR-MD-SOIL; to include changes identified during the 2011 recertification audit; to modify the radiological characterization for waste streams SR-MD-SOIL and SR-MD-HOM-C; to provide clarification to the chemical content identification sections; to update the waste packaging sections; to update the container counts for waste streams SR-MD-HET and SR-MD-SOIL; and to update the References section. This revision also includes miscellaneous changes made throughout the report.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 10
2.0 WASTE STREAM IDENTIFICATION SUMMARY 12
2.1 Waste Stream SR-MD-HET 13
2.2 Waste Stream SR-MD-SOIL 15
2.3 Waste Stream SR-MD-HOM-A 16
2.4 Waste Stream SR-MD-HOM-C 16
3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 18
4.0 REQUIRED PROGRAM INFORMATION 19
4.1 Facility Location and Description 19
4.1.1 Facility Location 19
4.1.2 Facility Description 19
4.2 Mission 20
4.2.1 Defense Waste Assessment 21
4.2.2 Spent Nuclear Fuel and High-Level Waste Assessment 22
4.3 Description of Waste Generating Process 22
4.4 TRU Waste Management 23
4.4.1 Types and Quantity of TRU Waste Generated 24
4.4.2 Correlation of Waste Streams Generated from the Same Building and Process 24
4.5 Waste Identification and Categorization 25
4.5.1 Physical Form Identifiers 25
4.5.2 Radiological Characterization 26
4.6 Waste Certification Procedures 27
5.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HET 28
5.1 Area and Building of Generation 28
5.2 Waste Stream Volume and Period of Generation 28
5.3 Waste Generating Activities 28
5.3.1 Facility Operations 29
5.3.1.1 SM Building 29
5.3.1.2 PP Building 29
5.3.1.3 R Building 30
5.3.1.4 SW Building 31
5.3.1.5 WD/WDA Building and the Waste Transfer System 31
5.3.2 Decontamination and Decommissioning 32
5.4 Type of Wastes Generated 33
5.4.1 Material Input Related to Physical Form 33
5.4.2 Radiological Characterization 36
5.4.3 Chemical Content Identification – Hazardous Constituents 39
5.4.4 Prohibited Items 48
5.5 Waste Packaging 48
5.5.1 Filter Vents 49
5.5.2 Layers of Confinement 49
6.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-SOIL 51
6.1 Area and Building of Generation 51
6.2 Waste Stream Volume and Period of Generation 51

6.3 Waste Generating Activities 51
6.4 Type of Wastes Generated 52
6.4.1 Material Input Related to Physical Form 52
6.4.2 Radiological Characterization 54
6.4.3 Chemical Content Identification – Hazardous Constituents 56
6.4.4 Prohibited Items 64
6.5 Waste Packaging 64
6.5.1 Filter Vents 65
6.5.2 Layers of Confinement 65

7.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HOM-A 67
7.1 Area and Building Generation 67
7.2 Waste Stream Volume and Period of Generation 67
7.3 Waste Generating Activities 67
7.4 Types of Waste Generated 68
7.4.1 Material Input Related to Physical Form 68
7.4.2 Radiological Characterization 70
7.4.3 Chemical Content Identification – Hazardous Constituents 72
7.4.4 Prohibited Items 76
7.5 Waste Packaging 76
7.5.1 Filter Vents 77
7.5.2 Layers of Confinement 77

8.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HOM-C 78
8.1 Area and Building of Generation 78
8.2 Waste Stream Volume and Period of Generation 78
8.3 Waste Generating Activities 78
8.4 Type of Wastes Generated 79
8.4.1 Material Input Related to Physical Form 79
8.4.2 Radiological Characterization 81
8.4.3 Chemical Content Identification – Hazardous Constituents 82
8.4.4 Prohibited Items 88
8.5 Waste Packaging 88
8.5.1 Filter Vents 88
8.5.2 Layers of Confinement 88

9.0 CONTAINER SPECIFIC INFORMATION 89

10.0 REFERENCES 91

LIST OF TABLES

Table 2-1. Waste Stream Correlation 13
Table 4-1. General Facility Operations 23
Table 4-2. Waste Stream Volumes 24
Table 5-1. Waste Stream SR-MD-HET Volume by Container Type 28
Table 5-2. Waste Stream SR-MD-HET Waste Materials 33
Table 5-2A. Waste Stream SR-MD-HET Waste Material Parameters 36
Table 5-3. Waste Stream SR-MD-HET Radiological Characterization 37
Table 5-4. Waste Stream SR-MD-HET Chemicals 40
Table 6-1. Waste Stream SR-MD-SOIL Volume by Container Type 51
Table 6-2. Waste Stream SR-MD-SOIL Waste Material Parameters 54
Table 6-3. Waste Stream SR-MD-SOIL Radiological Characterization 55
Table 6-4. Waste Stream SR-MD-SOIL Chemicals 57
Table 7-1. Waste Stream SR-MD-HOM-A Volume by Container Type 67
Table 7-2. Waste Stream SR-MD-HOM-A Waste Material Parameters 70
Table 7-3. Waste Stream SR-MD-HOM-A Radiological Characterization 71
Table 7-4. Waste Stream SR-MD-HOM-A Chemicals 72
Table 8-1. Waste Stream SR-MD-HOM-C Waste Material Parameters 80
Table 8-2. Waste Stream SR-MD-HOM-C Radiological Characterization 82
Table 8-3. Waste Stream SR-MD-HOM-C Chemicals 83

LIST OF FIGURES

Figure 1. Mound and Surrounding Ohio Area 100
Figure 2. Savannah River Site 101
Figure 3. Photograph of Mound 102
Figure 4. Mound TRU Waste Generating Facilities 103
Figure 5. Savannah River Site E-Area 104

LIST OF ACRONYMS AND ABBREVIATIONS

AEC	Atomic Energy Commission
AK	acceptable knowledge
AMWTP	Advanced Mixed Waste Treatment Project
ATWIR	*Annual Transuranic Waste Inventory Report*
CCP	Central Characterization Program
CERCLA	Comprehensive Environmental Response and Compensation Liability Act
CFR	Code of Federal Regulations
CH	Contact-Handled
CH-TRAMPAC	*Contact-Handled Transuranic Waste Authorized Methods for Payload Control*
D&D	Decontamination and Decommissioning
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
FAMS	F-Area Materials Storage
FGE	Fissile Gram Equivalents
HEPA	High Efficiency Particulate Air (filter)
HPG	High Performance Generator
INL	Idaho National Laboratory
kg	Kilogram
LES	Lincoln Experimental Satellite
m^3	Cubic meter(s)
MHW	multi-hundred watt
MWG	Milliwatt Generator
nCi/g	nanocuries per gram
NDA	non-destructive assay
NPL	National Priorities List
NWPA	*Nuclear Waste Policy Act of 1982*
PCBs	polychlorinated biphenyls
PE-Ci	Pu-239 Equivalent Curies
PP	Plutonium Processing
PPE	personal protective equipment
ppm	parts per million
PRQL	Program Required Quantitation Limit
PRS	Potential Release Site
Pu	plutonium
PVC	polyvinyl chloride
QA	Quality Assurance
R	Research
RCRA	Resource Conservation and Recovery Act
R&D	research and development
RTG	Radioisotopic Thermoelectric Generator
RTR	real-time radiography
RTV	Room Temperature Vulcanizing
SD	Sewage Disposal
SLB2s	Standard Large Box 2s

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

SM	Special Metallurgical
SRS	Savannah River Site
SW	Semi-Works
SWB	standard waste box
TCLP	Toxicity Characteristic Leaching Procedure
TDOP	Ten Drum Overpack
TRU	transuranic
TRUCON	TRU Waste Content Code
TSCA	Toxic Substances Control Act
TWBIR	Transuranic Waste Baseline Inventory Report
TWCC	Transuranic Waste Container Characterization
VE	visual examination
VOC	volatile organic compounds
WAC	Waste Acceptance Criteria
WD	Waste Disposal
WDS	Waste Data System
WDA	Waste Disposal Annex
WIPP	Waste Isolation Pilot Plant
WIPP-WAC	*Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
WIPP-WAP	*Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*
WR	War Reserve
WTS	Waste Transfer System

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) summary report has been prepared for the Central Characterization Program (CCP) for contact-handled (CH) transuranic (TRU) waste generated at the Mound Site in Miamisburg, Ohio and transferred to the Savannah River Site (SRS) between 2001 and 2005 (References M063, P109, and P115). This waste will be characterized at SRS prior to shipment to the Waste Isolation Pilot Plant (WIPP). The Mound waste shipped to SRS in the early 1970s is not included in this AK summary report, but will be addressed in a separate AK summary report (CCP-AK-SRS-9, *Central Characterization Project Acceptable Knowledge Summary Report For Mound Site Transuranic Waste In Retrievable Storage at the Savannah River Site Waste Stream SR-MD-PAD1*) (Reference 18).

This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), to implement the AK requirements of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 2) and the DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 5).

The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 3). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 9). Additionally, this report provides the AK information required by CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* (Reference 11).

The CCP is tasked with certification of CH TRU waste for transportation to and disposal at WIPP. The procedure CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), describes how AK is compiled and confirmed by the CCP. The CCP is responsible for collection, review, and management of AK documentation in accordance CCP-TP-005 and reviews and approves this AK summary report. CCP maintains responsibility for this AK summary report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the "historical source documents" as Non-QA records.

For this AK summary report, the CCP investigated a population of approximately 300 containers of various sizes. The waste is comprised of debris, soils, and homogeneous solids generated in various buildings and areas at Mound from approximately 1978 through 2005 (References U001 and I092). Additional containers from future Mound shipments to SRS will be evaluated and included in this AK summary report provided that they have physical, radiological, and chemical characteristics and waste description consistent with those described herein.

This AK summary report, along with referenced supporting documents, provides a defensible and auditable record of AK for the designated waste streams from Mound. The references and sources used to prepare this AK summary report are listed in Section 10.0. The AK source documents referenced within this AK summary report by

alphanumeric designations corresponding to a unique Source Document Tracking Number (i.e., C001, DR001, I001, M001, P001, and U001).

This AK summary report includes information from a variety of sources. Documentation collected from Mound includes operating procedures, safety analysis reports, waste management reports and plans, sampling and analysis plans, decommissioning project reports, chemical inventories, waste packaging logs, analytical data, and historical real-time radiography (RTR) data. Interviews of current and former Mound personnel were also conducted. Additional records were also obtained from SRS including shipping documentation, TRU waste program evaluations, and SRS waste acceptance criteria.

This AK summary report and supporting documentation provide the mandatory waste program and waste stream-specific information required by theWIPP-WAP (Reference 2).

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored

Generation Location:
Mound Site
720 Mound Ave.
Miamisburg, Ohio 45342
U. S. Environmental Protection Agency (EPA) ID: OH6890008984

Storage Location:
Savannah River Site
Post Office Box 616
Aiken, South Carolina 29802
EPA ID: SC1890008989

Facility Where TRU Waste Was Generated

This waste was generated at the Mound site in Special Metallurgical (SM), Plutonium Processing (PP), Research (R), Semi-Works (SW), and Waste Disposal (WD)/Waste Disposal Annex (WDA) Buildings as well as remediation of the SM West Asphalt Area and the Waste Transfer System (WTS) that consists of underground transfer lines leading to the WD Building.

Facility Mission

Mound was an integrated research, development, and production facility performing work in support of both U.S Department of Energy (DOE) weapons and energy programs. The primary mission as it relates to the generation of TRU waste was the processing of Plutonium (Pu)-238 for the fabrication of radioisotopic heat sources for space and military applications. Pu-238 production operations started in 1961 and ended by 1980. Since 1980, operations have included radiochemical analysis, decontamination and decommissioning (D&D), and site remediation (refer to Section 4.2).

Waste Streams

The waste streams delineated in this AK summary report and their associated historical Transuranic Waste Baseline Inventory Report (TWBIR) numbers and current Annual Transuranic Waste Inventory Report (ATWIR) numbers are presented in Table 2-1, Waste Stream Correlation (Reference 14).

Table 2-1. Waste Stream Correlation

AK Waste Stream Number[1]	1995 Mound TWBIR Number[2]	2011 ATWIR Number
SR-MD-HET	MD-M001, MD-T004, MD-T006, MD-T007, MD-T008, MD-T009, MD-T010, MD-T012, MD-W003, MD-W017, MD-W018	SR-MD-HET
SR-MD-SOIL	MD-T003, MD-T005	SR-MD-SOIL
SR-MD-HOM-A	MD-W002	SR-MD-HOM-A
SR-MD-HOM-C	None[3]	SR-MD-HOM-C

Notes: 1. Waste stream number used in this AK summary report.
2. Waste stream number from the Mound section of the 1995 TWBIR (Reference I001)
3. This waste is particulate material with a sand-like consistency from cleanout of drains and sumps during site D&D. This waste stream was not identified in the historical TWBIR.

2.1 Waste Stream SR-MD-HET

Summary Category Group: S5000

Waste Matrix Code Group: Heterogeneous Debris Waste

Waste Matrix Code: S5400, Heterogeneous Debris

TRUPACT-II Content Codes: SQ 125/SQ 225
SQ 154 (TYPE III.1, high wattage)

TRUPACT-III Content Code: SR 425

Layers of Confinement: Maximum of 5 layers

Waste Stream Description: Waste stream SR-MD-HET is comprised primarily of numerous organic and inorganic debris waste items and generally consists of combustibles, plastic, rubber, glass, concrete, and metal. Examples of waste items include absorbed liquids, absorbent (e.g., Florco, Nochar, Petrosorb), amalgamated mercury, ash (trace quantities), asphalt, Benelex, Plexiglas, beryllium metal (<1%), circuit boards, combustibles (e.g., boots, cardboard, cloth, cotton glove liners, mops, paper suits, paper wipes, rags, shoe covers, smocks), copper electrical wiring, electrical instruments/components (e.g., cathode ray tube, light fixtures), equipment (e.g., balances, digesters, evaporators, furnaces, grinders, hotplates, lathes, motors, presses, pumps, tanks), filters (e.g., High Efficiency Particulate Air [HEPA] [including asbestos], spun glass liquid filters, plastic, metal, Fiberglass), furniture (e.g., cabinets, chairs), glass and broken glass (e.g., glovebox windows, jars, light bulbs, thermometers, and labware such as beakers), glovebox floor sweepings, graphite (e.g., crucibles, electrodes), hardware (e.g., bolts, eyebolts, hinges, nuts, screws, springs, washers), insulation, ion-exchange resin, lead aprons and gloves, masonry (e.g., bricks, cinder blocks, concrete, gravel, and sand), metal (e.g., cans, chain, conduit, drums, ductwork, fittings, flanges, framing, lead bricks, lead shot, nails, piping, rebar, rods, sheets, tank plates, thimbles, tubing, valves, weights, wire screen), metal and Fiberglass gloveboxes and fume hoods, plastic (e.g., bags, bottles, cartons, drum liners, gaskets, glovebox windows, gloves, hoses, jars, manipulator boots, sheeting, suits, tape, tents, vials),

polyurethane foam, precious metals (e.g., gold, iridium, platinum/rhodium alloy), residues from recovery (e.g., sludge or insoluble residue ranging from powder to sand-like particles), rubber (e.g., gaskets, leaded and non-leaded gloves, hose, seals, o-rings), sealed sources, soil, solidified polychlorinated biphenyls (PCBs) oil, tools (e.g., clamp, flashlight with batteries, hacksaw, hammer, pliers, scissors, tweezers, welding torch, wrench), and wood (e.g., 2 x 4 boards, plywood) (Refer to Section 5.4.1).

The two predominant isotopes by mass for waste stream SR-MD-HET are U-238 and Th-232 (Refer to Section 5.4.2).

Waste stream SR-MD-HET is a mixed waste and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027 – D030, D032, D034, D037, D043, F002, F003, F004, F005, F007, and F009 (Refer to Section 5.4.3).

Prohibited items potentially present in waste stream SR-MD-HET may include sealed containers greater than 4 liters, unabsorbed liquids, unpunctured aerosol cans, and un-vented gas cylinders (Refer to Section 5.4.4).

Waste stream SR-MD-HET includes waste originally packaged in U.S. Department of Transportation (DOT) 7A, Type A 55-gallon drums, 85 gallon drum overpacks, and standard waste boxes (SWBs). The 55-gallon drums were typically lined with a 90-mil polyethylene rigid liner and a polyethylene drum bag. The waste may also be packaged in various sizes of steel boxes as the outer package. Inner packaging types may include plastic bags, plastic-coated cardboard cartons, and metal cans (½-, 1-, 5-, and 8-gallons). There are numerous overpack configurations: 30-gallon drums (also identified as 35-gallon drums) inside 55-gallon drums, 30-gallon drums inside 55-gallon drums which are overpacked into 85-gallon drums, 55-gallon drums inside 85-gallon drums, wood and metal boxes inside large steel boxes, and drums inside boxes which are overpacked into large steel boxes. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid. Waste may also be repackaged into an unlined SWB or Standard Large Box 2 (SLB2) (Refer to Section 5.5).

Waste stream SR-MD-HET meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from cleanup of research and processing areas and D&D/remediation of these areas (Refer to Section 4.4.2).

2.2 Waste Stream SR-MD-SOIL

Summary Category Group:	S4000
Waste Matrix Code Group:	Soils
Waste Matrix Code:	S4200, Soil/Debris
TRUPACT-II Content Codes:	SQ 111/SQ 211
TRUPACT-III Content Code :	SR 411
Layers of Confinement:	Maximum of 3 layers

Waste Stream Description: Waste stream SR-MD-SOIL is comprised primarily of soil but also includes some rock, concrete, rebar, and piping. Absorbent (i.e., Florco or Petrosorb) was also added to soil containers. Mound soil is primarily glacial till ranging from gravel and sand to dense clay with clay being predominant (Refer to Section 6.4.1).

Waste stream SR-MD-SOIL is a mixed waste and is assigned EPA hazardous waste numbers D004 – D011, F002, F003, F004, F005, F007, and F009 (Refer to Section 6.4.3).

The two predominant isotopes by mass for waste stream SR-MD-SOIL are Pu-239 and Pu-238 (Refer to Section 6.4.2).

Prohibited quantities of liquid may be present in waste stream SR-MD-SOIL (Refer to Section 6.4.4).

Waste stream SR-MD-SOIL includes waste originally packaged in DOT 7A, Type A 55-gallon drums, an SWB, and metal boxes overpacked into larger steel boxes. The drums were lined with one polyethylene drum bag but do not contain a 90-mil polyethylene rigid liner. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid. Waste may also be repackaged into an unlined SWB or SLB2 (Refer to Section 6.5).

Waste stream SR-MD-SOIL meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from the cleanup of research and processing areas and D&D/remediation of Mound facilities (Refer to Section 4.4.2).

2.3 Waste Stream SR-MD-HOM-A

Summary Category Group:	S3000
Waste Matrix Code Group:	Solidified Inorganics
Waste Matrix Code:	S3113, Inorganic Particulate Absorbents
TRUPACT-II Content Codes:	SQ 111/SQ 211
Layers of Confinement:	Maximum of 4 layers

Waste Stream Description: Waste stream SR-MD-HOM-A is comprised primarily of aqueous liquids absorbed in polyethylene bottles, but includes minor amounts of debris waste including pipe, metal cans, and plastic (Refer to Section 7.4.1).

The two predominant isotopes by mass for waste stream SR-MD-HOM-A are Pu-238 and Pu-239 (Refer to Section 7.4.2).

Waste stream SR-MD-HOM-A is a mixed waste and is assigned EPA hazardous waste numbers D006 – D009 and F002 (Refer to Section 7.4.3).

No prohibited items have been specifically identified in waste stream SR-MD-HOM-A. However, the presence of liquids due to dewatering is possible (Refer to Section 7.4.4).

Waste stream SR-MD-HOM-A includes waste originally packaged in DOT 7A, Type A 55-gallon drums and 85-gallon drum overpacks as the outer package. The 55-gallon drums were lined with a 90-mil polyethylene rigid liner and a polyethylene drum bag. Waste may be contained in 1-or 2-liter plastic bottles placed in plastic bags. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid.

Waste stream SR-MD-HOM-A meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream is a small population of absorbed liquid containers generated during analytical operations in R-140 and isotope separation in R-149 (Refer to Section 4.4.2).

2.4 Waste Stream SR-MD-HOM-C

Summary Category Group:	S3000
Waste Matrix Code Group:	Solidified Inorganics

Waste Matrix Code: S3110, Inorganic Particulates

TRUPACT-II Content Codes: SQ 111/SQ 211

Layers of Confinement: Maximum of 4 layers

Waste Stream Description: Waste stream SR-MD-HOM-C is comprised of particulate material/residue (hard water mineral deposits, sand, and gravel) with a sand-like consistency from cleanout of a sump and drain lines in R Building. The waste stream contains other materials that came in contact with the residue, including miscellaneous metallic objects (nuts, bolts, screws), mop strings, cotton rags, rubber gloves, paper personal protective equipment (PPE), plastic PPE, plastic glovebag material, and plastic tape (Refer to Section 8.4.1).

The two predominant isotopes by mass for waste stream SR-MD-HOM-C are Pu-239 and U-235 (Refer to Section 8.4.2).

Waste stream SR-MD-HOM-C is a mixed waste and is assigned EPA hazardous waste numbers D004 – D011, F002 – F005 (Refer to Section 8.4.3).

No prohibited items have been specifically identified in waste stream SR-MD-HOM-C. However, the presence of liquids due to dewatering is possible (Refer to Section 8.4.4).

Waste stream SR-MD-HOM-C includes waste packaged in DOT 7A, Type A 55-gallon drums. One of the drums has a 50-gallon steel liner with two large holes in the lid. The other drums do not have liners. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid.

Waste stream SR-MD-HOM-C meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream is a small population of containers generated during the cleanout of the R-128 sump and drain lines in the R Building (Refer to Section 4.4.2).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at WIPP must be characterized prior to shipment. The WIPP-WAP (Reference 2) permits use of knowledge of the materials and processes that generate and control the waste, provided a clear and convincing argument about the characteristics of the waste is achieved. The AK characterization documented herein complies with the requirements of the WIPP-WAP and was developed in accordance with CCP-PO-001 (Reference 3), and CCP-TP-005 (Reference 1).

The references and AK sources used to prepare this report are listed in Section 10.0. The AK sources referenced within this report by alphanumeric designations (e.g., C001, DR001, I001, M001, P001, and U001) correspond to the Source Document Tracking Number using the following convention:

- C - Communications (e.g., interview notes)
- DR - Discrepancy resolutions
- I - Internal reports
- M - Miscellaneous (e.g., unpublished data)
- P - Published procedures and reports
- U - Unpublished documents.

4.0 REQUIRED PROGRAM INFORMATION

This section provides the waste management program information required by the WIPP-WAP (Reference 2). Included are a brief history of Mound, a summary of the missions, a discussion of the operations associated with the generation of TRU waste, and descriptions of the TRU waste management programs at both Mound and SRS. Attachment 1 for each waste stream (created in accordance with procedure CCP-TP-005) provides a list of TRU waste management program information required to be developed as part of the AK record (Reference 1). This document satisfies those requirements.

4.1 Facility Location and Description

4.1.1 Facility Location

The Mound Site is located in Miamisburg, Ohio about 10 miles southwest of Dayton and 31 miles north-northeast of Cincinnati. A map showing the location of Mound is included as Figure 1, Mound and Surrounding Ohio Area, at the end of this report (References P023, P044, P056, and P064).

The Mound waste described in this report is currently managed by SRS. SRS occupies portions of Aiken, Barnwell, and Allendale counties on the western border of South Carolina. SRS is located approximately 25 miles southeast of Augusta, Georgia. The Mound waste is located at the E-Area TRU waste storage pads located near the center of SRS. Maps denoting the location of SRS and the E-Area TRU waste storage pads are included as Figure 2, Savannah River Site and Figure 5, Savannah River Site E-Area (Reference 10).

4.1.2 Facility Description

Mound is located on a 306-acre site overlooking Miamisburg and the Great Miami River. The property is characterized by two high areas divided by a minor valley. Most of the buildings are located on the northwest high area known as the Main Hill. A few buildings are located on the southeast high area known as the SM-PP Hill. Several other buildings are located on the lower elevated area south of the Main Hill. A photograph of Mound, and a map showing the buildings and areas in which TRU waste was generated and stored are included as Figure 3, Photograph of Mound and Figure 4, Mound TRU Waste Generating Facilities (References P036, P044, P053, P064, P066, and U018). A brief description of the specific areas and buildings at Mound that generated TRU waste is provided below (Reference P020).

SM Building – The SM facility became operational in 1961 and was the original building used for Pu-238 processing until operations were transferred to PP Building (References M042, P036, P053, and P054).

PP Building – The PP facility (also known as Building 38) was constructed in 1967 and was used primarily for production of Pu-238 heat source capsules and Pu-238 recovery operations. The Pu-238 processing operations ended by 1980. The only TRU waste generating operations since that time were various programs in the north analytical line and building support functions (References M042, P044, and P054).

R Building – The R facility was built in 1948 and was initially used for research and development (R&D) for the polonium-210 program. The polonium program was phased out by 1971. Pu-238 research began in about 1959. Most of the Pu-238 work ended in about 1978 although a few operations continued into the 1990s. R&D work involving tritium was also conducted starting in the early 1980s (References I090, M042, and P054).

SW Building – The SW facility consisted of many laboratories used for a variety of operations. The "old cave" and "new cave" areas consisted of a number of rooms with several types of alpha and gamma radiation and project capabilities (References M042 and P054).

WD/WDA Building – The WD facility became operational in 1949 and was the central facility for the treatment of liquid radioactive wastes at Mound. The WDA was added in 1966 for the treatment of alpha waste water from SM and PP buildings. The beta waste water treatment system began in 1967 (References M042, P045, and P054).

Waste Transfer System and Hillside – The WTS includes underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. The WTS remediation included the underground pipeline that ran from SW/R to WD and the two (2) underground pipelines that ran from SM/PP to the pump house (Building 41) and then to WD through two (2) underground pipelines. The Hillside is located adjacent to WD, and is the site of a 1969 spill resulting from a ruptured pipeline (References M042, P053, and U018).

Sewage Disposal Plant – The Sewage Disposal (SD) Plant was built in 1948 to process sanitary waste. It was taken out of service in the 1970s when it became too small and was replaced by a new sanitary sewage disposal plant. The area surrounding the old SD Plant became contaminated due to the 1969 rupture of the WTS pipeline and from a waste line break near Building 48 in 1970 (References I090, M044, and P056).

4.2 Mission

Mound was an integrated research, development, and production facility performing work in support of both DOE weapons and energy programs. The primary mission as it relates to the generation of TRU waste was the processing of Pu-238 for the fabrication of radioisotopic heat sources for space and military applications. Pu-238 production operations started in 1961 and ended by 1980 (References I036, I043, I090, M025, M027, P058, P063, and P064).

Limited analytical laboratory operations continued into the 1990s. Operations included the analysis of samples from other DOE sites containing primarily Pu-239, analysis of unknown sources to determine their isotopic content, and radiochemical analysis in support of the ongoing D&D work at Mound (References I031 and P054).

Heat Source and Radioisotopic Thermoelectric Generator (RTG) assembly, disassembly, and testing operations also continued to operate after 1980; however, only encapsulated Pu-238 received from SRS was handled and therefore did not generate TRU waste (References I031, I050, M001, P029, and P054).

On November 21, 1989, Mound was placed on the National Priorities List (NPL) for environmental remediation under the Comprehensive Environmental Response and Compensation Liability Act (CERCLA). In 1993, the Secretary of Energy announced that the defense program mission was to be ended. In 1995, the DOE Office of Defense Programs officially announced its decision to cease operations at Mound and transitioned it to an environmental restoration site by the 1996 fiscal year time frame (References I001, I018, I026, I039, I066, and M001)

4.2.1 Defense Waste Assessment

The WIPP-WAC (Reference 5) requires generator sites to use AK to determine if the TRU waste streams to be disposed at WIPP meet the definition of TRU "defense" waste. Based on guidance from the DOE, a TRU waste is eligible for disposal at WIPP if it has been generated in whole or part by one of the *atomic energy defense activities* listed in section 10101(3) of the *Nuclear Waste Policy Act of 1982* (NWPA). The atomic energy defense activities that apply to TRU wastes generated by Mound operations are defense nuclear materials productions and defense research and development (References 6, 7, and 8). The following are examples of these defense activities:

- Transit program heat sources (Pu-238) used in U.S. Navy navigational satellites (References I043, M017, P097, and P116).
- Half-watt heat sources (Pu-238) for the U.S. Navy (References I030, I032, and P070).
- Multi-hundred watt (MHW) heat sources for the Lincoln Experimental Satellites (LES 8/9) which are U.S. Air Force communications satellites (References I023, I030, I043, and P116).
- High Performance Generator (HPG) Mod 3 containing a Pu-238 heat source for the Department of Defense (References C022, I023, and I032).
- Milliwatt Generator (MWG) heat source (Pu-238) capsules for a power supply used in weapons by the U.S. military (References C022, I003, I030, I032, and I043).

- U-234 was separated from aged Pu-238 and sent to Oak Ridge. The U-234 was used in fission detectors for neutron flux measurements needed for monitoring reactors (assumed to include defense materials production reactors) (References I090 and P021).

Pu-238 heat sources were also produced for non-defense applications, such as weather satellites, the Apollo moon missions, and planetary missions (e.g., Mars, Jupiter, and Saturn); however, Pu-238 contaminated waste from non-defense activities was not separated from the waste from defense work and is therefore commingled (References I030, I032, M014, and M042).

4.2.2 Spent Nuclear Fuel and High-Level Waste Assessment

Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (Reference 7) prohibits the disposal of spent nuclear fuel and high-level waste, as defined by the NWPA (Reference 8) at WIPP. According to the NWPA, spent nuclear fuel is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing." The DOE Radioactive Waste Management manual (Reference 15) expands on this definition to clarify that "Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." High-level waste is defined by the NWPA as "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation." Mound did not have a reactor, and the waste does not contain irradiated fuel elements withdrawn from a reactor (References P081 and P111). R&D work was conducted in R and SW buildings involving separation of plutonium from uranium and fission byproducts in liquid and sludge materials received from Hanford and Oak Ridge. However, this work was done between 1948 and 1953 and did not generate waste in these TRU waste streams (References I090 and P054). Therefore, the waste is not a spent nuclear fuel, not high-level waste, nor a waste historically managed as high-level waste, and is eligible for disposal at WIPP (References 7 and 8).

4.3 Description of Waste Generating Process

A general description of operations that have generated TRU waste in each facility is provided in Table 4-1, General Facility Operations (References I090 and P054). A more detailed description of the specific operations that generated each waste stream are described in Sections 5.3, 6.3, 7.3, and 8.3.

Table 4-1. General Facility Operations

Facility	Operation
PP	Production of plutonium-238 heat sources
	Plutonium recovery
	Liquid waste treatment
	Analytical laboratory
	Decontamination and decommissioning
R	Plutonium-238 heat source research
	Reactor fuels research
	Separation of U-234 from aged Pu-238
	Analytical laboratory
	Metallurgical analysis
	Decontamination and decommissioning
SM	Production of plutonium-238 heat sources
	Plutonium recovery
	Liquid waste treatment
	Analytical laboratory
	Research and development
	Decontamination and decommissioning
SW	Research and development
	Decontamination and decommissioning
WD/WDA	Liquid waste treatment
	Decontamination and decommissioning

4.4 TRU Waste Management

In the early-1970s, the Atomic Energy Commission (AEC) required that wastes containing greater than 10 nanocuries per gram (nCi/g) TRU alpha be packaged in containers that would withstand up to 20 years of retrievability. Mound implemented this requirement in the mid-1970s. In late fiscal year 1982, TRU waste limits were raised to 100 nCi/g. Through the 1980s, Mound shipped non-TRU wastes (< 100 nCi/g) to the NTS and TRU waste (> 100 nCi/g) to the Idaho National Laboratory (INL). Shipments to INL ceased in 1988 (References I007, I090, M015, M016, M043, P058, P063, and P064).

Mound submitted a Resource Conservation and Recovery Act (RCRA) Part A hazardous waste permit application in 1980 to store hazardous waste in containers and to treat hazardous waste on site. This application has been revised several times. In 1984, Mound established waste management policies and procedures to comply with environmental regulations for the handling, treatment, storage, and disposal of wastes containing hazardous materials (e.g., RCRA). On June 30, 1989, the state of Ohio was granted final authorization by the EPA to operate its own program in lieu of the federal program (References I007, I057 and I090).

Mound began transfer of TRU waste to SRS in 2000 using railcars specifically designed to ship TRU waste (Reference I039). The waste was shipped in accordance with the SRS WAC and approved deviations from the WAC (References I072, I074, M060, and P121). SRS completed an evaluation of the Mound "newly generated" TRU waste certification program in 2001 (Reference I021).

4.4.1 Types and Quantity of TRU Waste Generated

The waste streams described by this report have been characterized as TRU mixed waste and consist of approximately 399 containers of various types. The specific containers in this waste stream are provided in the *AK Containers List* (refer to Section 9.0). The number of containers in each waste stream is provided in Table 4-2, Waste Stream Volumes.

Table 4-2. Waste Stream Volumes

Waste Stream	Number of Containers	Volume (m^3)
SR-MD-HET	313	441.50
SR-MD-SOIL	72	51.69
SR-MD-HOM-A	11	2.64
SR-MD-HOM-C	3	0.63

4.4.2 Correlation of Waste Streams Generated from the Same Building and Process

The four (4) waste streams delineated in this AK summary report originated from several different areas and buildings at Mound. The correlation of these waste streams is as follows:

- D&D of SM Building Slab (and remediation of the immediate surrounding area) generated debris included in waste stream SR-MD-HET and soil included in waste stream SR-MD-SOIL.

- Remediation of the WTS generated debris included in waste stream SR-MD-HET and soil included in waste stream SR-MD-SOIL.

- D&D and analytical support operations in PP Building generated debris included in waste stream SR-MD-HET, and liquid waste treatment operations in PP Building generated absorbed liquids included in waste stream SR-MD-HOM-A.

- D&D and analytical support operations in R Building, including Rooms 140 and 149 (usually designated as R-140 and R-149), generated debris included in waste stream SR-MD-HET. Analytical operations in R-140 and isotope separation in R-149 generated absorbed liquids included in waste stream SR-MD-HOM-A. Particulate material from the cleanout of drain lines in R Building and a sump in R-128 are included in waste stream SR-MD-HOM-C.

- SW and WD/WDA Buildings generated debris waste in waste stream SR-MD-HET. The scabbling of concrete in the basement of WDA also generated waste in waste stream SR-MD-HET. There are no soils or homogeneous solids from these facilities in the Mound waste inventory.

The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity (Reference 2). Because the waste was generated from the cleanup of research and processing areas and D&D/remediation of Mound facilities

(as described in Sections 5.3, 6.3, 7.3, and 8.3), have each been categorized as a single Waste Matrix Code (as described in Sections 5.4.1.1, 6.4.1.1, 7.4.1.1, and 8.4.1.1), and have been classified entirely as TRU mixed waste (as described in Sections 5.4.3, 6.4.3, 7.4.3, and 8.4.3), each is delineated as a single waste stream. The 2010 ATWIR identification numbers assigned to these waste streams are SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, and SR-MD-HOM-C, respectively (Reference 14). These identification numbers include similar hazardous waste characterization as the respective waste streams in this AK summary report. Based on the rationale above, waste streams SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, and SR-MD-HOM-C meet the WIPP-WAP waste stream definition, and further delineation of these waste streams is either unfeasible or unnecessary.

Waste in SR-MD-HET is similar to SR-MD-PAD1 in that both waste streams include waste from SM and R Building D&D. However, waste from SR-MD-HET is primarily from D&D, while waste from SR-MD-PAD1 is primarily from processing. Waste from SR-MD-PAD1 includes material from the initial D&D of SM Building which began in August 1968 and ceased in August 1972. Waste stream SR-MD-HET includes material from the later D&D of several buildings, which SM and R Buildings are included, from approximately 1978 through 2005. The Mound waste shipped to SRS between October 1970 and October 1972, waste stream SR-MD-PAD1, is not included in this AK summary report (References 18, M042, P036, P053, P054, P055, and P056).

4.5 Waste Identification and Categorization

4.5.1 Physical Form Identifiers

Mound assigned Material Type Codes to identify the physical nature of the waste. A review of container data indicates that these codes were not assigned to all of the waste containers, and in many cases multiple codes have been combined in the same container. Material Type Codes identified in container data include (References I008, I081, P034, P041, P076, and U001):

- 801 – Rags, paper, etc.
- 802 – Glovebox gloves (leaded and non-leaded) and O-rings
- 803 – Metal, equipment, pipes, valves, etc.
- 804 – Plastic, Tygon, manipulator boots, etc.
- 805 – Filters (asbestos filter media, fiberboard case, and silicone rubber gasket)
- 810 – Glass, flasks, sample vials, etc.
- 811 – Processing sludge (material that did not dissolve by normal processing)
- 813 – Glass filters and fiberglass
- 824 – Boxed equipment – noncombustible
- 825 – Equipment drums – noncombustible
- 826 – Boxed equipment – combustible
- 827 – Equipment drums – combustible
- 834 – Absorbed acids
- 835 – Absorbed bases
- 842 – Contaminated soil

In 2001, RTR was performed at Mound on the TRU waste inventory. A Waste Examination Log was prepared from the RTR results that contains a detailed description of the waste, including prohibited items (e.g., liquid). Not every container in these Mound waste streams has RTR data (Reference I005).

4.5.2 Radiological Characterization

TRU waste from Mound is contaminated mainly with heat source plutonium (PP, R, SM, SW, and WD Buildings), but may also include Pu-239 from neutron sources (R Building) and War Reserve (WR) plutonium (SW Building). In addition, isotopic blends of heat source/WG plutonium and heat source/WG plutonium/Uranium-233 were also used (SW Building). Pu-239 and numerous other radionuclides may also be present from analysis of samples from other sites and from the analysis of sources of unknown isotopic content (References I031, I083, P028, P054, and P072). The isotopic distributions for heat source plutonium, WG plutonium, and plutonium neutron sources are as follows:

Heat Source Plutonium

Pu-236	0.000046 – 0.0001 %
Pu-238	80.0 – 83.4765 %
Pu-239	13.8215 – 16.5 %
Pu-240	1.9545 – 3.0 %
Pu-241	0.3925 – 0.8 %
Pu-242	0.08 – 0.2 %

References: I023, I044, I090, P027, P029, P044, and P054

Trace impurities in heat source plutonium include Am-241, Np-237, U-234, and Th-232. Since operations at Mound involving heat source material began in 1959, some of this contamination may be near 50 years old. As a result, Pu-238 will remain the most prevalent isotope by mass in heat source plutonium, but U-234 will become the second most prevalent isotope by mass (Reference DR005).

Plutonium (Weapons Grade)

Pu-238	0.016%
Pu-239	93.737%
Pu-240	5.872%
Pu-241	0.332%
Pu-242	0.043%

References: C041 and P072

Plutonium Neutron Sources

Pu-238	0.08 – 0.38 %
Pu-239	69.72 – 74.87 %
Pu-240	18.85 – 23.11 %
Pu-241	1.65 – 1.9 %
Pu-242	1.15 – 2.33 %
Am-241	2.74 – 3.14 %

Reference: P028

In late 1995, Canberra installed two gamma counting systems at Mound; the Q2 system for counting 55-gallon drums and the InSpector system for counting boxes. Because of high activity, several drums could not be counted on the Q2 system and instead were counted on the InSpector system. Each analysis library included the key lines for Pu-238, Pu-239, Pu-241, Am-241, and Np-237, as well as many of the natural series decay chain nuclides. Other nuclides were added based on process information and past analyses of known contaminants (Reference I019). There is also waste generated more recently that was assayed at Mound to measure Pu-238 and Am-241 to verify that it contained greater than 100 nCi/g TRU alpha prior to shipment to SRS (Reference I082 and U001). An analysis of these results is presented in Sections 5.4.2, 6.4.2, 7.4.2, and 8.4.2. This evaluation is documented in the non-destructive assay (NDA) Memorandum as required by CCP-TP-005 (Reference 1).

4.6 Waste Certification Procedures

The CCP program under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 1), directs compilation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 9).

5.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HET

This section presents the mandatory AK for waste stream SR-MD-HET required by the WIPP-WAP (Reference 2). Attachment 1 for waste stream SR-MD-HET (created in accordance with procedure CCP-TP-005) provides a list of TRU waste stream information required to be developed as part of the AK record (Reference 1).

5.1 Area and Building of Generation

This waste stream was generated in Buildings PP, R, SM, SW, and WD/WDA. In addition, waste was generated from the removal of the WTS, including the Building 41 pump house (References I020, M065, U001, and U020). The 29-90 form for one drum specifies F-Area Materials Storage (FAMS) facility vault at SRS as the generation location; however, a comment on the 29-90 indicates the material in this drum originated from the Mound site and was packaged in the FAMS vault (References M065 and U020).

Rooms within a building are designated by the building number followed by the room number separated by a dash. For example, SM-38 represents Room 38 in SM Building.

5.2 Waste Stream Volume and Period of Generation

Waste stream SR-MD-HET was generated between approximately September 1978 and August 2005. The current volume of this waste stream is provided in Table 5-1, Waste Stream SR-MD-HET Volume by Container Type (References C046, I092 and U001). However, the estimated volume may change based on drum remediation and characterization activities and repackaging of large steel boxes into WIPP approved payload containers. The specific containers are provided in the AK Container List (refer to Section 9.0).

Table 5-1. Waste Stream SR-MD-HET Volume by Container Type

Container Type	Number of Containers	Total Volume (m^3)
55-Gallon Drum	159	33.39
85-Gallon Overpack	56	17.92
Other Steel Box (various sizes)	29	111.70
Standard Waste Box	42	78.96
Standard Large Box 2	27	199.53
	313	441.50

5.3 Waste Generating Activities

Most of the normal production, analytical, and R&D operations that have historically generated TRU waste ended by 1980 when Mound no longer handled unencapsulated Pu-238 material (References I090 and P054). The TRU debris waste described in this report was generated mainly from cleanup of research and processing areas and D&D/remediation of these areas. Some waste was also generated by analytical operations supporting the cleanup of the site.

5.3.1 Facility Operations

5.3.1.1 SM Building

SM Building became operational in 1961 and was the original building used for Pu-238 processing until operations were transferred to PP Building in 1967 (References P054 and P056). It was originally designed to process liquid plutonium nitrate solution from SRS for use in a variety of programs. A process using plutonium dioxide was also used. SM Building also housed recovery processing, waste treatment facilities, R&D, and analytical laboratory support. Special programs in SM Building included a pilot program for the initial separation of U-234 from aged Pu-238 using solvent extraction and ion-exchange. This program operated from 1965 to 1970 in SM-38 and was then transferred to R-149 (Reference P054).

Initial D&D of SM Building, which was performed before this waste stream was generated, began in August 1968 and ceased in August 1972 when it became progressively more difficult and costly to remove the small amount of plutonium remaining in the structure. When this D&D effort ceased, the building was left with approximately 13,000 square feet contaminated with Pu-238. The highest contamination areas were the Pu-238 processing area (SM-10), the filter bank, and the soil under and around the building. Additional TRU waste was generated between 1987 and 1992 during final D&D of SM Building (References P036, P055, and U001).

5.3.1.2 PP Building

PP Building (Building 38) was completed in December 1967. The Pu-238 fabrication, recovery, waste treatment, R&D, and analytical support operations previously conducted in SM Building were transferred to PP Building (Reference P054). Pu-238 material from SRS was processed for use in heat sources. Encapsulation of the heat sources with exotic metals was also performed (Reference I090). Most of the operations in PP Building ended by the late-1970s (References P053 and P054). D&D of the surplus laboratories and support areas in PP Building began in fiscal year 1978 and were completed in fiscal year 1993 (References P044 and P058).

The North Analytical Line in PP-113 began operating in 1975. From 1975 to 1989, this line was an analytical lab used in the "Sample Exchange Program." Samples containing primarily Pu-239 were analyzed for total percent plutonium as well as other measurements (Reference P054). Beginning in 1988, this line was also used for the "Orphan Source Program." The objective of this program was to determine which radioisotopes were contained in unknown sources previously used at Mound and are no longer needed. Some characterization studies were conducted on these sources, and repackaging of sources was also performed in this line. This lab also performed radiochemical analysis (non-tritium) in support of the decontamination work. Analytical procedures included mass spectroscopy, calorimetry, ion-exchange, radiochemical separations, liquid scintillation, gamma spectroscopy, and plating of alpha samples for counting (References I031, I090, P028, P044, and P054). TRU waste from D&D of PP Building was last generated in 2003 (References P056 and U001). Beginning in the mid-1970s, TRU waste (> 10 nCi/g at that time) was compacted at a ratio of 4.5 to 1 in

PP Building to reduce the volume (References I090, M015, P058, and P064). The compactor was not to be used for waste greater than 100 nCi/g (Reference P041). However, one drum of TRU waste (MDL021377) is described as containing compacted waste from D&D operations (References I020 and U001). This drum is discussed further in Section 5.4.4. The compactor was removed from service and dismantled in 1987 (Reference I090).

5.3.1.3 R Building

R Building was built in 1948 and had a multitude of programs involving numerous radionuclides over the many years of operation. The TRU nuclides Pu-238, Pu-239, and Am-241 were first introduced in 1956 with the alpha and neutron source programs. Pu-238 heat source research began in 1959. The major R&D programs in R Building included (References I090 and P054):

- Fabrication of Po-210 neutron sources and thermoelectric generators
- Separation of plutonium from irradiated U-238
- Separation of Ac-227 from irradiated Ra-226
- Separation of Pa-231 from residues of previous uranium processing
- Separation of Th-230 from residues of previous uranium processing
- Fabrication of alpha and neutron sources; Pu-238, Pu-239, Am-241
- Examination of U-235, U-238, Pu-239, Am-241, Np-237, and Cm-244 for use as reactor fuels
- Separation of Sr-90 and Y-90
- Separation of Pa-231 and Pa-233
- Fabrication of Pu-238 heat sources for thermoelectric generators
- Separation of U-234 from aged Pu-238
- Tritium (H-3) research

TRU nuclides were first introduced to R Building in 1948 with the separation and recovery of plutonium from irradiated uranium. The alpha and neutron source programs and reactor fuels research began in 1956. The initial research using Pu-238 as a heat source began in 1959 (References I090 and P054). Decontamination operations in R Building were ongoing throughout its operational history to make way for new programs. Most of the R&D and analytical operations that generated TRU waste in R Building, including the labs that supported the Pu-238 heat source program, the reactor fuels program, and the U-234 separation program ended by the late-1970s. D&D of many of these labs occurred throughout the 1980s (References P053 and P054).

The analytical lab in R-140 most recently performed chemical analysis and emission spectroscopy on plutonium compounds, alloys, and mixtures. However, this lab may be contaminated with many of the radionuclides historically handled in R Building from previous analytical work. Operations in this area ceased in about 1989, and limited decontamination efforts were undertaken. Work in this area ceased by mid-1997. TRU waste from D&D of R-140 was last generated in 2003 (References M031, P030, P054, P056, and U001). TRU waste was generated from D&D of other areas in R Building (R-108, R-151, and R-155) in 2003 and 2004 (Reference U001).

5.3.1.4 SW Building

A wide variety of operations were conducted in SW Building. Tritium operations included recovery/enrichment from scrap, surveillance of War Reserve reservoirs, and process development. In addition, programs involving Pu-238, Pu-239, uranium isotopes, Ac-227, Ra-226, and other radionuclides were conducted during the SW operating phase (Reference P030).

Gloveboxes and fume hoods in SW-17, SW-18, and SW-19 were used for a variety of non-tritium processing operations. Residual alpha contamination in this area exists from previous work in the old cave under SW-19 involving the separation of Ac-227 from irradiated Ra-226. The process equipment in the old cave became heavily contaminated and was entombed under several feet of concrete (References I090, P030, P054, and P055). SW-19 was later used for storage of tritium-contaminated metal specimens, including Pu-239 (References I026, I090, and P054). Pu-239 oxide and tritium-contaminated Pu-239 oxide materials in an SW-19 glovebox have been removed and were repackaged in R-130 (References I031 and I063). Other TRU nuclides handled in SW-19 include Pu-238, Am-241, and Np-237 as well as other non-TRU nuclides (Reference I026). D&D of this area generated a small amount of TRU waste between 2001 and 2002 (References M031, P030, P056, and U001).

The new cave (hot cell operation) and associated laboratory area (SW-22, SW-140, and other rooms) were used for a variety of non-tritium isotope separation research projects, including separation of Th-229 from aged U-233 and its daughters, Ra-226 from K-65 residue, and Pa-231 and Th-230 from Cotter Concentrate. SW-22 was also used to retrieve the Po-209 and Pb-206 from previous polonium work done at Mound (References I090, P030, P054, and P067). Pu-238 and Pu-239 were also handled (References C009, I031, and P067). D&D of this area generated a small amount of TRU waste in 2001 and 2002 (References M031, P030, and U001).

5.3.1.5 WD/WDA Building and the Waste Transfer System

WD Building was the central facility for the treatment of radioactive liquid wastes at Mound, and included an alpha and a beta wastewater treatment system. The alpha treatment system only treated dilute low-risk wastewater because most wastewater was pre-treated prior to discharge to WD Building to remove the highest percentage of solids possible. An addition to WD Building (WDA), including the WTS pipeline which carried acidic and caustic wastewater from SM and PP to WDA, was constructed and began accepting low-risk plutonium wastewater in August 1967. The high-risk portion of the

pipeline was not operational until April 1968 and was abandoned in 1974. The WDA low-risk plutonium wastewater treatment was moved to WD, and the WDA alpha influent tanks were converted to use in the beta wastewater treatment system which began treating tritiated wastewater in 1973 (References I090, P054, and P086). D&D of this building generated a small amount of TRU waste between 1999 and 2004 (References M065, P037, P045, P056, U001, and U020).

The WTS ruptured near WD in 1969 leading to significant Pu-238 contamination (References I028, I033, and P018). The WTS consisted of a pipeline buried 6 to 25 feet below grade, an associated storage and pumping facility (Building 41), and surrounding soil (see Section 6.0 for a further discussion on soil removal). Building 41 contained two large polyvinyl chloride (PVC)-lined steel holding tanks that were taken out of service in 1982 (References I090, P040, and P053). Removal of the WTS and Building 41 was accomplished in 1986 (Reference P017).

Soil and debris waste was also generated in 2004 and 2005 from the remediation of Potential Release Site (PRS)-438. PRS-438 was an area with contaminated soil and a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building (References M063, U001, and U018).

5.3.2 Decontamination and Decommissioning

Equipment was removed from the inside of the glovebox with a variety of material handling equipment. Large equipment was loaded onto wooden skids to facilitate loading and packaging (Reference P015). In some instances, urethane foam was used for bracing of large items packaged in boxes (References C006, C012, P015, P016, and P051).

Interconnecting lines that serviced the gloveboxes were removed using various cutting techniques and tools. Small piping less than 2 inches was removed using reinforcing rod cutters to pinch, seal, and separate the tubing. A cap filled with Room Temperature Vulcanizing (RTV) was then placed over each end and taped in place. A small hole was drilled into larger diameter piping, 2 to 4 inches, and filled with urethane foam for a few inches on either side of the hole so that it could be cut at the foam barrier, then capped with plastic caps filled with RTV and taped in place (References M034, M055, P015, P016, and P037).

Glovebox interiors were decontaminated using rags and water or mild acids to remove loose contamination. If decontamination of a glovebox was ineffective, paint or a thin layer of foam was used to affix residual contamination in place. Interior surfaces of ductwork were also painted before removal. Gloveboxes were disassembled or cut up and packaged for disposal, or additional foam was used to stabilize gloveboxes in the shipping container (References C005, C012, P015, P016, P037, P051, and P056).

Removal of floor coverings and sandblasting paint off walls and ceilings removed most of the surface contamination. If contamination above release criteria remained, a powered vacuum scabbler was used to remove ¼-inch layers of contaminated concrete. If contaminants penetrated beneath floor slabs along cracks, the concrete floor may

have been removed to allow for the removal of contaminated materials (References P015, P016, P045, and P056). A detergent and paint remover in a high pressure washer was also used to decontaminate building interiors and equipment (Reference C012).

5.4 Type of Wastes Generated

This section describes the process inputs, Waste Matrix Code assignment, radionuclide contaminants, and hazardous waste determinations for waste stream SR-MD-HET.

5.4.1 Material Input Related to Physical Form

Waste stream SR-MD-HET is comprised primarily of numerous organic and inorganic debris waste items and generally consists of combustible, plastic, rubber, glass, concrete, and metal. Specific waste items are listed in Table 5-2, Waste Stream SR-MD-HET Waste Materials.

Table 5-2. Waste Stream SR-MD-HET Waste Materials

Waste Items	Reference
Absorbed liquids	C008
Absorbent (e.g., nonhazardous products such as Florco and Petrosorb)	I005, I092, M002, P095, U001, U020
Aluminum foil	U020
Amalgamated mercury	C003
Ash (trace quantities)	M002
Asphalt	M064
Benelex/Plexiglas	C012, M002
Beryllium metal granules (<1%)[1]	C016
Circuit boards	C003, C019, I005
Combustibles (e.g., boots, cardboard, cloth, cotton glove liners, mops, paper suits, paper wipes, rags, shoe covers, smocks)	C019, I005, I008, I048, I092, M002, U001, U002
Concrete (scabbled)	U020
Copper electrical wiring	I005, I092, U001
Electrical instruments/components (e.g., cathode ray tube, light fixtures)	I005
Equipment (e.g., balances, digesters, evaporators, furnaces, grinders, hotplates, lathes, motors, presses, pumps, tanks)	C008, I005, I008, I048, I092, M004, U001, U020
Filters (e.g., HEPA [including asbestos], spun glass liquid filters, plastic, metal, Fiberglass)	I005, I008, I048, I092, P040, U001, U002, U007, U020
Furniture (e.g., cabinets, chairs)	M004
Glass and broken glass (e.g., glovebox windows, jars, light bulbs, thermometers, and labware such as beakers)	C009, I005, I048, M002, U020
Glovebox floor sweepings	I005, U007

Table 5-2. Waste Stream SR-MD-HET Waste Materials (Continued)

Waste Items	Reference
Graphite (e.g., crucibles, electrodes)	C013, U007
Hardware (e.g., bolts, eyebolts, hinges, nuts, screws, springs, washers)	I005, I048, U020
Insulation	I005, U020
Ion-exchange resin	C008, U007
Lead aprons and gloves	I005, I008, U002
Masonry (e.g., bricks, cinder blocks, concrete, gravel, and sand)	I092, M002, P065, U001
Metal (e.g., cans, chain, conduit, drums, ductwork, fittings, flanges, framing, lead bricks, lead shot, nails, piping, rebar, rods, sheets, tank plates, thimbles, tubing, valves, weights, wire screen, metal pieces and parts, uranium metal and oxide, lithium/tin amalgam)	C012, C020, I005, I008, I048, I092, M004, M064, M065, U001, U002, U020
Metal and fiberglass gloveboxes and fume hoods	I005, I092, U001
Plastic (e.g., bags, bottles, cartons, drum liners, gaskets, glovebox windows, gloves, hoses, jars, manipulator boots, sheeting, suits, tape, tents, vials)	I005, I048, I092, M004, U001, U007, U020
Polyurethane foam	C016, M034, M055, P040
Precious metals (e.g., gold, iridium, platinum/rhodium alloy)	C020, I008, M052
Residues from recovery (e.g., sludge or insoluble residue ranging from powder to sand-like particles)	U007
Rubber (e.g., gaskets, leaded and non-leaded gloves, hose, seals, o-rings)	I005, I008, I048, M002, U002, U020
Sealed sources	C013, I005, U020
Soil	M064, U001, U020
Solidified PCB oil	I005, M006
Tools (e.g., clamp, flashlight with batteries, hacksaw, hammer, pliers, scissors, tweezers, welding torch, wrench)	C010, C020, I005, I008, I048, M004, U020
Wood (e.g., 2 x 4 boards, plywood)	I005, I048, M002, P065

1. Beryllium particulate will only be present in trace amounts less than 1% by weight of the waste in each final payload container, including a Ten Drum Overpack (TDOP).

5.4.1.1 Waste Matrix Code

The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste, such as packaging procedures, standard operating procedures, waste disposal forms, and historical RTR data.

As shown in Table 5-2, waste stream SR-MD-HET is comprised primarily of numerous organic and inorganic debris waste items and generally consists of cellulosics (e.g., cloth), plastic, rubber, glass, concrete, and metal. Individual containers in this waste stream contain less than 50 percent, by volume, soils and homogeneous solids (e.g., ash, absorbed/solidified liquids, and amalgamated mercury) (References I092, M064, and U001).

Based on this evaluation, Waste Matrix Code S5400, Heterogeneous Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in the *DOE Waste Treatability Group Guidance* (Reference 4). This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300).

Some of the drums in waste stream SR-MD-SOIL were determined by historical RTR to contain less than 50 percent, by volume soil. The drums were evaluated and included in waste stream SR-MD-HET (References DR006 and M064). However, certified RTR determined that some of these drums were actually greater than 50 percent, by volume soil. AK re-evaluations were performed and the drums were moved back to waste stream SR-MD-SOIL.

Several drums that were assigned to waste stream SR-MD-HET were determined by RTR and/or visual examination (VE) to not meet the definition of Summary Category Group S5000 (debris waste) because they contained greater than 50 percent, by volume, absorbent. These drums have been re-evaluated and removed from this waste stream (Reference DR010).

5.4.1.2 Waste Material Parameters

The following waste material parameters are associated with waste stream SR-MD-HET (Reference 2). This information is based on specific waste items identified in packaging procedures, standard operating procedures, waste disposal forms, and historical RTR data as described in Section 5.4.1. In addition, waste material parameter weights were obtained from Transuranic Waste Container Characterization (TWCC) forms (References I092 and U001).

- Aluminum-based metals
- Iron-based metals
- Other metals
- Other inorganic materials
- Cellulosics
- Rubber
- Plastics (waste materials)
- Inorganic matrix
- Organic matrix
- Soil
- Steel and plastic (packaging materials)

To estimate the waste material parameter weight percentages for waste stream SR-MD-HET, data were obtained from the Waste Data System (WDS), formerly known as the WIPP Waste Information System database, for INL waste stream BN304. BN304 is a debris waste stream generated by the same Mound Facility operations that generated the SR-MD-HET waste stream (Reference P123). The WDS data were derived from RTR by the Advanced Mixed Waste Treatment Project (AMWTP) at INL. Although the Mound waste stored at INL was generally older than the Mound waste stored at SRS, the INL information was chosen over the data from the 29-90s due to the

fact that the dates on the 29-90 indicated that many were not prepared at the time of generation of the drums.

Data from 669 drums of the INL BN304 waste stream were analyzed to determine the waste material parameters in the SR-MD-HET waste stream. A statistical analysis of the INL data was performed, the results of which are presented in Table 5-2A, Waste Stream SR-MD-HET Waste Material Parameters. This evaluation is documented in a memorandum (included with Attachment 6) as required by CCP-TP-005 (Reference 1).

Table 5-2A. Waste Stream SR-MD-HET Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	20.4%	0 – 100%
Aluminum-based Metals/Alloys	0.1%	0 – 17.7%
Other Metals	23.0%	0 – 100%
Other Inorganic Materials	6.2%	0 – 99.2%
Cellulosics	8.6%	0 – 98.9%
Rubber	20.5%	0 – 97.4%
Plastics	21.1%	0 – 100%
Organic Matrix	0.0%	0 – 0.0%
Inorganic Matrix	0.01%	0 – 3.6%
Soils/Gravel	0.09%	0 – 49.0%
Total Inorganic	**49.8%**	
Total Organic	**50.2%**	

5.4.2 Radiological Characterization

To determine isotopic ratios for waste stream SR-MD-HET as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent (wt%) range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers." As shown in Table 5-3, Waste Stream SR-MD-HET Radiological Characterization, U-238 is the most predominant radionuclide by mass, and Th-232 is the second most predominant radionuclide by mass (References DR005, I020, I092, and U001).

The percentage of this waste stream that is below 100 nCi/g TRU alpha based on AK is seven percent, but all of the Mound waste, is managed by the site as TRU mixed waste. However, each payload container shipped to WIPP will be certified in accordance with CCP-PO-002 (Reference 9) as containing more than 100 nCi/g of alpha emitting isotopes with half-lives greater than 20 years.

Table 5-3. Waste Stream SR-MD-HET Radiological Characterization

Isotope	Total Radionuclide Wt%[1]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	0.64%	0.00% - 100%	2.55%	0.00% - 43.07%	Yes
Pu-238	4.63%	0.00% - 100%	92.21%	0.00% - 100%	Yes
Pu-239	16.97%	0.00% - 99.76%	1.23%	0.00% - 94.37%	Yes
Pu-240	1.01%	0.00% - 55.85%	0.27%	0.00% - 42.76%	Yes
Pu-242	0.08%	0.00% - 34.59%	Trace	0.00% - 0.10%	Yes
U-233	0.25%	0.00% - 13.03%	Trace	0.00% - 1.03%	Yes
U-234	Trace[5]	0.00% - Trace	Trace	0.00% - 0.01%	Yes
U-238[8]	44.30%	0.00% - 99.25%	Trace	0.00% - 0.02%	Yes
Cs-137	Trace	0.00% - 0.40%	Trace	0.00% - 17.49%	Yes
Sr-90[6]	Trace	0.00% - 0.40%	Trace	0.00% - 17.49%	Yes[7]
Additional Radionuclides					
Ac-227	Trace	0.00% - 0.09%	Trace	0.00% - 1.48%	Yes
Ac-228	Trace	0.00% - Trace	Trace	0.00% - 0.04%	Yes
Ba-133	Trace	0.00% - Trace	Trace	0.00% - 2.91%	Yes
Bi-212	Trace	0.00% - Trace	Trace	0.00% - 29.37%	Yes
Bi-213	Trace	0.00% - Trace	Trace	0.00% - 11.81%	Yes
Bi-214	Trace	0.00% - Trace	Trace	0.00% - 36.70%	Yes
Cf-252	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-244	Trace	0.00% - Trace	Trace	0.00% - 1.55%	Yes
Co-60	Trace	0.00% - Trace	Trace	0.00% - 3.43%	Yes
Cs-134	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Eu-152	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Fr-221	Trace	0.00% - Trace	Trace	0.00% - 0.05%	Yes
H-3	Trace	0.00% - Trace	Trace	0.00% - 18.49%	Yes
Ho-166m	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
K-40	2.39%	0.00% - 99.81%	Trace	0.00% - 7.34%	Yes
Na-22	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Np-237	0.13%	0.00% - 99.98%	Trace	0.00% - 25.11%	Yes
Pa-231	0.03%	0.00% - 100%	Trace	0.00% - 45.45%	Yes
Pa-233	Trace	0.00% - Trace	Trace	0.00% - 9.73%	Yes
Pb-211	Trace	0.00% - Trace	Trace	0.00% - 28.62%	Yes
Pb-212	Trace	0.00% - Trace	Trace	0.00% - 56.40%	Yes
Pb-214	Trace	0.00% - Trace	Trace	0.00% - 33.03%	Yes
Po-210	Trace	0.00% - Trace	Trace	0.00% - 0.02%	Yes
Pu-236	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Pu-241	0.03%	0.00% - 98.52%	3.72%	0.00% - 99.83%	Yes
Ra-223	Trace	0.00% - Trace	Trace	0.00% - 20.74%	Yes
Ra-226	Trace	0.00% - Trace	Trace	0.00% - 0.02%	Yes
Ra-228	Trace	0.00% - Trace	Trace	0.00% - 0.04%	Yes
Rn-219	Trace	0.00% - Trace	Trace	0.00% - 11.61%	Yes

Table 5-3. Waste Stream SR-MD-HET Radiological Characterization (Continued)

Isotope	Total Radionuclide Wt%[1]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
Sb-125	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Th-227	Trace	0.00% - Trace	Trace	0.00% - 19.08%	Yes
Th-228	Trace	0.00% - Trace	Trace	0.00% - 0.02%	Yes
Th-229	Trace	0.00% - 69.85%	Trace	0.00% - 7.45%	Yes
Th-230	0.25%	0.00% - 4.69%	Trace	0.00% - 2.35%	Yes
Th-232	25.35%	0.00% - 99.74%	Trace	0.00% - 0.01%	Yes
Th-234	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Tl-208	Trace	0.00% - Trace	Trace	0.00% - 36.31%	Yes
U-232	Trace	0.00% - 0.01%	Trace	0.00% - 0.04%	Yes
U-235	3.93%	0.00% - 99.99%	Trace	0.00% - 3.92%	Yes
U-237	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Other Radionuclides Not Reported in Debris Assay but May Be Present in Trace Amounts[7]					
Pb-206	Po-209	Y-90			

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total curie percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 wt% for that radionuclide.
6. Sr-90 cannot be quantified by gamma spectroscopy. Its value is calculated based on measured Cs-137 values. A Sr-90/Cs-137 scaling factor of 1.0 is used to calculate Sr-90.
7. These radionuclides were not reported in assay data but were historically processed at Mound and therefore may be present in the waste stream (refer to Section 5.3). Only trace amounts are assumed to be present.
8. U-238 is the most predominant isotope due to large quantities in two drums, MDL021121 and MDL0504466.

Although the primary mission at Mound as it relates to TRU radionuclides was the heat source program, Pu-238 is not one of the prevalent radionuclides by mass. However the two most prevalent radionuclides, by activity, are Pu-238 and Pu-241 which is consistent with heat source plutonium.

U-238 is the most prevalent isotope in this waste stream by mass, but is reported in only five containers. Most are in very small quantities with the exception of MDL021121 and MDL0504466. MDL021121 contains 444 grams of U-238 and was generated by the Orphan Source Program in PP Building (Reference I020). It is assumed that the U-238 reported in this drum is a sealed source (References DR005 and P027). According to the 29-90, MDL0504466 contains 5,890 grams of U-238. However, a review of the Mound Radioactive Waste Input Form and associated documentation indicates this drum may contain as much as 16 kilograms (kg) of uranium.

Th-232 is reported in 31 containers generated by the Orphan Source Program in PP Building and from D&D of PP Building, R-140, and SW-22. The Orphan Source Program included Th-232 sources (References P027 and P044). Thorium analytical work was done in R-140 in the 1950s and 1960s so it is possible that equipment removed from this room contains small amounts of Th-232. Th-232 may also be

present from the Cotter Concentrate program that occurred in SW-22 in the 1970s (References DR005 and P054).

Pu-239 is reported in more than half of the containers. However, the historical assay indicates about 60 percent of the containers in this waste stream have more Pu-239 (by mass) than Pu-238.

This would indicate that these containers either contain no heat source plutonium or contain some heat source plutonium along with Pu-239 from another source. A review of AK documentation identified the following other possible sources of Pu-239 (Reference DR005):

- Analysis of Pu-239 samples for the Sample Exchange Program in PP-113/115 (Reference P054).
- Characterization and re-packaging of Pu-239 sealed sources for the Orphan Source Program in PP-113/115 (References P027, P028, and P054).
- Analytical laboratory operations in R-140 (References P030 and P054).
- Hot cell and laboratory operations in SW-19 and SW-22 (Reference P030).

Because the heat source program ended by 1980, and most of the TRU waste from Mound was shipped to Idaho for disposal, the waste in waste stream SR-MD-HET contaminated with heat source plutonium originated from D&D of the former heat source areas (not production operations). Because the Sample Exchange Program operated until 1989, the analytical work in R-140 continued until 1989, the Orphan Source Program operated into the 1990s, and D&D of these areas occurred past the year 2000, it is conceivable that many of the containers could be predominantly Pu-239 (Reference DR005).

Although many different radionuclides were processed at Mound, heat source production was the primary mission at Mound. The two most prevalent radionuclides in heat source plutonium are Pu-238 and Pu-239. However, based on the above information, it is assumed that the radiological distributions from the historical radioassay data presented in Table 5-3 are correct (i.e., heat source plutonium is not prevalent in this waste stream by mass). When CCP assay calculates U-234 (refer to Section 4.5.2), its contribution will increase but is not expected to change the two most prevalent radionuclides in the waste stream (Reference DR005).

5.4.3 Chemical Content Identification – Hazardous Constituents

The subject waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. Many of the containers in this waste stream were historically managed as non-hazardous waste with some containers historically managed as hazardous for the toxicity characteristic of lead (D008). A review of available AK documentation has determined that this waste is hazardous for lead. However, it was also determined that

additional EPA hazardous waste numbers apply to this waste stream (i.e., D004, D005, D006, D007, D009, D010, D011, D019, D022, D027, D028, D029, D030, D032, D034, D037, D043, F002, F003, F004, F005, F007, and F009). Therefore, Table 5-4, Waste Stream SR-MD-HET Chemicals, summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, chemical inventories, and interviews. The hazardous waste number assignments have been applied on a waste stream basis; individual containers may be non-hazardous or may not contain all of the hazardous materials listed for the waste stream as a whole (References DR001, P098, and U001).

INL has also characterized debris waste generated by the same Mound operations that generated and/or contaminated waste stream SR-MD-HET (Reference P123). INL waste stream BN304 is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F007, and F009. INL compared the two waste streams and determined that D019, D027, D028, D030, D032, D034, D037, D043, and F003 were not applicable to waste stream BN304. D019 was not applied because INL assumed degreasing operations were performed and assigned F001 to the waste stream. D027, D028, D030, D032, D034, D037, and D043 were not applied because they were not identified in INL AK documentation, not used during the time frame of waste generation, and/or not detected in certified sampling. F003 was not assigned because waste stream BN304 is not ignitable. Therefore, these additional hazardous waste numbers were not assigned to waste stream BN304 (Reference M080).

Table 5-4. Waste Stream SR-MD-HET Chemicals

Chemical	EPA Code	Use	References
Ethanol	N/A	SM and PP F-Line for cleaning Ultrasonic cleaning in R Bldg SM wastewater	C008, I050, P027 P020 I090
Isopropanol	N/A	SM wastewater	I090
Potassium permanganate	N/A	SD influent from plating shop	I090
Hydrochloric acid	N/A	PP North Analytical Line	I050, P027
Hydrofluoric acid	N/A	PP F-Line	I050, P027
Nitric acid	N/A	PP North Analytical Line and F-Line	I050, I090, P027
Ammonium hydroxide	N/A	PP and R wastewater	P100
Phosphoric acid	N/A	SD influent from plating shop	I090
Sodium hydroxide	N/A	PP North Analytical Line	I050, I090, P027
Sulfuric acid	N/A	PP North Analytical Line	I050, I090, P027
Calcium metal	N/A	Pu-238 metal production (1960s)	I090
Copper, gold, and sodium cyanide plating solutions	F007 F009	SD influent from plating shop	I090

Table 5-4. Waste Stream SR-MD-HET Chemicals (Continued)

Chemical	EPA Code	Use	References
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998)	P020 P096
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Present in Material Type Code 824 Chemical used in SM, PP, and R Bldgs	P020 P096 I011, I067, U003 C016, I008, M004
Cadmium	D006	Analysis in R Bldg R Bldg chemical inventory (1996) Present in Material Type Code 824 Chemical used in SM, PP, and R Bldgs	P020 P096 I011, I067, U003 C009, I008, M004
Chromium	D007	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Present in Material Type Code 824 Chemical used in SM, PP, and R Bldgs	P020 P096 I011, I067, U003 C009, I008, M004
Lead	D008	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998) Lead bricks Leaded rubber gloves and aprons Lead piping Circuit boards (with lead solder) Present in Material Type Code 824 and 827 Trace amounts in WD influent	P020 P096 C012 I011, I067, P081 P081, P111 P081 C003, C019, I005 I011, I067, U003 I045
Mercury	D009	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Amalgamated mercury Thermometers Batteries Switches Identified by RTR in a tube Present in Material Type Code 803, 805, 810, 811, 813, 824, 826, 827 Trace amounts in WD influent	P020 P096 C003 C009, C019 C010 C019 I005 I011, I067, U003 I045
Selenium	D010	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Present in Material Type Code 824 Chemical used in SM, PP, and R Bldgs	P020 P096 I011, I067, U003 C016, I008, M004
Silver	D011	Analysis in R Bldg R Bldg chemical inventory (1996) Present in Material Type Code 824 Silver solder Chemical used in SM, PP, and R Bldgs	P020 P096 I011, I067, U003 C003 C009, I008, M004
Carbon tetrachloride	D019	Solvent extraction in R Bldg Chemical used in SM, PP, and R Bldgs	I090 C016
Chloroform	D022	R Bldg chemical inventory (1996, 1998)	P096
1,4-Dichlorobenzene	D027	Chemical used in SM, PP, and R Bldgs	C016
1,2-Dichloroethane	D028	Chemical used in SM, PP, and R Bldgs	C016
1,1-Dichloroethylene	D029	Chemical used in SM, PP, and R Bldgs	C016
2,4-Dinitrotoluene	D030	Chemical used in SM, PP, and R Bldgs	C016
Hexachlorobenzene	D032	Chemical used in SM, PP, and R Bldgs	C016
Hexachloroethane	D034	Chemical used in SM, PP, and R Bldgs	C016
Pentachlorophenol	D037	Chemical used in SM, PP, and R Bldgs	C016
Vinyl chloride	D043	Chemical used in SM, PP, and R Bldgs	C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096

Table 5-4. Waste Stream SR-MD-HET Chemicals (Continued)

Chemical	EPA Code	Use	References
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
Tetrachloroethylene	F002	Solvent use in SW Chemical used in SM, PP, and R Bldgs	C019 C011, C016
1,1,1-Trichloroethane	F002	PP F-Line for cleaning Degreasing in PP Bldg Solvent extraction in R Bldg Cleaning in SW Bldg Chemical used in SM, PP, and R Bldgs	I050, P027 I090 I090 P020 C016
1,1,2-Trichloroethane	F002	Chemical used in SM, PP, and R Bldgs	C016
Trichloroethylene	F002	SM and R wastewater Degreasing in SM and PP R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C007, C010 P096 C011, C016
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	F002	Degreasing in SW PP chemical inventory (1994) R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019 P027 P096 C005, C016
Acetone	F003	PP North Analytical Line SM and PP F-Line for cleaning Ultrasonic cleaning in R Bldg SM, PP, and R wastewater Cleaning in SW Chemical used in SM, PP, and R Bldgs	I090 C007, C008, I050 P020 I090, P065 C019, P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016
Methanol	F003	SM and R wastewater Degreasing in SM Cleaning in SW Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C010, C020 P020 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	Cleaning and polishing in SW Scintillation counting PP chemical inventory (1994) R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P064 P027 P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016

Table 5-4. Waste Stream SR-MD-HET Chemicals (Continued)

Chemical	EPA Code	Use	References
Toluene	F005	Cleaning and polishing in SW PP chemical inventory (1994) R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019, P020 P027 P096 C011, C016

Note: Some of these chemicals may exhibit the characteristic of ignitability, corrosivity, and/or reactivity in their pure form. Based on a review of process operations documentation and liquid waste management practices, ignitable, corrosive, and reactive materials were not disposed of in the waste stream. Containers with prohibited liquids identified during RTR or VE will not be eligible for WIPP disposal without being remediated.

5.4.3.1 F-Listed Constituents

This waste stream may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 Code of Federal Regulations (CFR) 261.31 (Reference 16). The F-listed hazardous waste numbers applied to this waste stream were based on either solvent use (e.g., solvent extraction, ultrasonic cleaning) or chemicals known to be used in the buildings (see Table 5-4). In addition, headspace gas analysis was previously conducted by SRS on a portion of the Mound TRU waste. Samples were analyzed for total volatile organic compounds (VOCs) but not individual VOCs. Total VOCs in SR-MD-HET range from 178 to 1,518 parts per million (ppm) (Reference P098). Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-HET. EPA hazardous waste numbers F002, F003, F004, and F005 are therefore assigned to waste stream SR-MD-HET (Reference DR001).

As shown in Table 5-4, cyanide plating baths were treated in SD Building. There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. These lines were located in the same area as the WTS lines. Therefore, EPA hazardous waste number F007 and F009 are assigned to waste stream SR-MD-HET (Reference DR001).

Although several F001-listed solvents were used at Mound, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 12). This waste was not generated from large-scale degreasing operations; therefore, F001 will not be assigned to this waste stream.

5.4.3.2 Toxicity Characteristic Metals

Toxicity characteristic metals listed in 40 CFR 261.24 were identified in the container contents and in other AK documentation. Leaded items were the most common hazardous waste in this waste stream. The lead is typically contained in aprons, bricks, gloves, and pipe although other sources of lead have also been identified (References I092, P081, P111, P115, and U001). The other toxicity characteristic metals have also been identified (see Table 5-4). Since data are not available that demonstrate the

concentration of these constituents is less than the toxicity characteristic regulatory level, EPA hazardous waste numbers D004 – D011 are applied to waste stream SR-MD-HET (Reference DR001).

5.4.3.3 Toxicity Characteristic Organics

Toxicity characteristic organics listed in 40 CFR 261.24 were identified in AK documentation, including headspace gas analysis previously conducted by SRS on a portion of the Mound TRU waste. Samples were analyzed for total VOCs, but not individual VOCs. Total VOCs in SR-MD-HET range from 178 to 1,518 ppm (Reference P098). Since data are not available that demonstrate the concentration of these constituents is less than the toxicity characteristic regulatory level, EPA hazardous waste numbers D019, D022, D027 – D030, D032, D034, D037, and D043 are applied to waste stream SR-MD-HET (Reference DR001).

As described in Section 5.4.3.1, F001 is only appropriate when solvents such as carbon tetrachloride are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 12), which did not occur at Mound. Therefore, EPA hazardous waste number D019 is assigned instead to this waste stream (Reference DR001).

F-listed hazardous waste numbers have been assigned for benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene. Therefore, D018 (benzene), D021 (chlorobenzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to the waste stream (Reference DR001).

5.4.3.4 K-Listed Waste

Waste stream SR-MD-HET does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32 (Reference 16).

5.4.3.5 U- and P-Listed Wastes

Waste stream SR-MD-HET does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 16).

Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste. Hydrofluoric acid was used in Mound facilities, including the PP Building. The review of the AK source documentation did not identify the disposal of unused hydrofluoric acid or disposal of materials contaminated with spills of this acid; therefore, the EPA hazardous waste number U134 is not assigned. EPA hazardous waste number P015, beryllium powder, was listed for Material Type Code 811 (Reference I011). Material Type Code 811 is sludge material that did not dissolve by normal recovery processing. However, the beryllium contamination in this waste does not meet the definition of a P-listed waste because it was used for its intended

purpose. Therefore, this waste stream is not assigned U- or P-Listed EPA hazardous waste numbers (References DR001, I045, I050, P027, P100, and U001).

5.4.3.6 Ignitables, Corrosives, and Reactives

Ignitability

The debris materials in waste stream SR-MD-HET do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 16). The material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Piping, tanks, and equipment were assessed for hazardous chemicals, flammable materials, or other dangerous substances and were purged of such material before beginning any D&D work (Reference P057). In addition, incompatible materials that may cause the generation of heat, fire, or flammable gas are placed in separate payload containers (Reference P079).

Ignitable liquids used at Mound include alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene) (References C005, C007, C008, C011, C016, C019, I050, I090, P020, and P027). According to procedure and in compliance with the WAC, containers are drained before disposal and packaged with absorbent material (References P041, P065, P078, and P105). However, liquids have been identified by historical RTR in eight containers (Reference I005). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed by WIPP will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted.

According to procedure and in compliance with WAC, inner containers are vented prior to disposal in TRU waste (References I010, P041, P065, P078, and P105). However, historical RTR identified an un-vented aerosol can and a possible gas cylinder (also see Section 5.4.4) in this waste stream (Reference I005). RTR and/or VE are performed to ensure the absence of ignitable compressed gases. Any container identified with unpunctured aerosol cans or compressed gas cylinders will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until the cans are either punctured or removed from the waste stream.

Material Type Codes 805 (filters), 811 (processing sludge), and 813 (glass filters and fiberglass) are listed as an oxidizer (EPA hazardous waste number D001) for presence of nitrates (Reference I011). Tests performed by SRS in 1984 to determine burning characteristics of wipes and mop heads contaminated with nitric acid and potassium permanganate indicated that these wastes should not be classified as oxidizers (Reference 13). Although filters and sludge are not the same waste type as wipes and mop heads, they are less likely to stimulate combustion because they are primarily inorganic.

Historical RTR identified powders in several containers. The Mound TRU Waste Input forms did not indicate the presence of powders in these containers, but EPA hazardous waste number D001 was not assigned to this waste. No other information has been

identified that would indicate this waste is pyrophoric and procedures and waste acceptance criteria prohibit the disposal of pyrophorics in TRU waste (References C003, I010, P041, P065, P078, and P105). Pyrophoric materials were not typically handled in areas where TRU waste was generated (Reference P065). Waste stream SR-MD-HET is therefore not ignitable (D001).

Corrosivity

The debris materials in waste stream SR-MD-HET do not meet the definition of corrosivity as defined in 40 CFR 261.22 (Reference 16). Corrosive liquids used at Mound include acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide) (References I050, I090, and P027). These materials were rendered non-corrosive before packaging (References I010 and P065). According to procedure and in compliance with WAC, containers are drained before disposal and packaged with absorbent material (References P041, P065, P078, and P105). Piping, tanks, and equipment were assessed for hazardous chemicals and were purged of such material before beginning any D&D work (Reference P057). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-HET is therefore not corrosive (D002).

Reactivity

The debris materials in waste stream SR-MD-HET do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 16). Calcium metal was used in the 1960s to reduce plutonium tetrafluoride to metal. After the reduction process, the Pu-238 metal was broken away from the slag, and the metal was cleaned with a brush to remove adherent slag and calcium metal. The slag and calcium metal were sent to plutonium recovery, and therefore, will not be in this waste stream (Reference I090). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain sulfides. The materials are not capable of detonation or explosive reaction. Piping, tanks, and equipment were assessed for hazardous chemicals, gases, explosives, or other dangerous substances and were purged of such material before beginning any D&D work (Reference P057). In addition, incompatible materials that may generate toxic gases or cause an explosion or violent reaction are placed in separate payload containers (Reference P079).

Calcium metal was used in Pu-238 metal production, but was done in the 1960s and will not be in the waste stream (Reference I090). No other reactive metals have been identified. Small quantities of cyanides were treated in WD Building and residual cyanides could therefore be present in D&D waste from this building as well as the WTS piping. However, residual cyanides would not cause this waste to be reactive (References I045, I090, and P100).

Drum MDL0504466 contains uranium beds that were tritium storage devices. The reaction between the uranium powder and tritium formed uranium hydride which is pyrophoric. The tritium was released from the bed by heating. Prior to disposal, the uranium was oxidized to render the uranium non-reactive. This drum also contains several items described as "lithium & tin slag in an unsealed can." This waste is lithium metal that was amalgamated with tin to render it non-reactive (References I026, M065, P030, P054, and U020).

Organic resins were exposed to various concentrations of nitric acid. An interview with one generator indicated that resins were air dried of liquids. According to another source, it is believed that the spent resins were washed with water. Another report stated that resin was washed with hydroxylamine and sodium carbonate to neutralize it and then dried to a semi-moist state so that there was no liquid. The resin was packaged in a plastic bag that was then put into a ½-gallon paint can with a press-fit lid. Tests conducted by Mound on their stored resin showed no pressure increase in the can after a period of 14 years (References C020, U007, and U015). Based on past studies conducted by Los Alamos, resins in the nitrate form do not meet the RCRA definition of ignitability or reactivity (Reference C042). Therefore, it is believed that resins are stable and will not undergo violent chemical change.

Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, and P105). Areas where TRU waste was generated typically contain no explosive wastes (Reference P065). Any explosive materials would have been rendered non-explosive prior to disposal. Explosives that were not radiologically contaminated were also put into separate explosive waste containers (References C019 and P020). Explosives were also burned in Area H starting in the 1950s and continued into the 1990s (References I090 and P058). Waste stream SR-MD-HET is therefore not reactive (D003).

5.4.3.7 Polychlorinated Biphenyls

This waste stream does contain PCBs greater than 50 ppm and is therefore regulated as a Toxic Substance Control Act (TSCA) waste under 40 CFR 761 (Reference 17).

MDL0311403 (legacy number 2528) contains a hydraulic press that contained PCB-contaminated oil. The hydraulic oil (3 to 5 liters), containing 17 percent PCBs by weight, was removed from the press, solidified with Nochar, and is packaged in this container (References C003, I005, I008, I042, I086, M006, M012, and P081). Assuming 5 liters of oil with a density of 0.9, the weight of the oil is 4.5 kg (5 * 0.9). The PCB content of the oil would then be 0.765 kg (4.5 kg * 0.17). The net weight of the waste in this container is 260 kg, and therefore, the PCB content of this container is 0.3 percent or 3,000 ppm (0.765 ÷ 260). Although the amount of residual PCB contamination in the press is not known, it is reasonable to conclude that it would be less than 1.835 kg (0.7 percent of the total weight of the waste).

Although light fixtures were mounted outside of gloveboxes, light fixtures have been identified in this waste stream. Light ballasts are a common PCB item, and although the documentation does not specifically indicate the presence of PCB ballasts, it is

assumed that the ballast was not removed from the light fixture before being disposed (References C003, C005, and I005).

5.4.4 Prohibited Items

The most common prohibited item in waste stream SR-MD-HET is sealed containers greater than 4 liters which have been identified in about 80 containers. Other prohibited items identified in this waste stream include prohibited liquids (32 containers), a possible un-vented gas cylinder (1 container), and an un-punctured spray can (1 container) (References I005, I020, I092, M064, and U001).

As described in Section 5.3.2, a small hole was drilled into 2- to 4-inch diameter piping and filled with urethane foam for a few inches on either side of the hole so that it could be cut at the foam barrier, then capped with plastic caps filled with RTV. These pipe sections may be considered sealed containers greater than 4 liters depending on their length (i.e., 4-inch diameter pipe more than 19 inches in length, 3-inch diameter pipe more than 34 inches in length, and 2-inch diameter pipe more than 77 inches in length). One source indicates three containers (MDL021304, MDL021306, and MDL021356) with the note "Pressurized!" (Reference I017). The implications of this note are unclear. One drum in this waste stream (MDL021377) is described as containing compacted waste from D&D operations (Reference I020 and U001). The waste in this drum has been un-compacted and repackaged into three drums (Reference DR009).

Containers with prohibited waste items identified during RTR or VE will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

5.5 Waste Packaging

Waste stream SR-MD-HET includes waste originally packaged in DOT 7A, Type A 55-gallon drums, 85-gallon drum overpacks, and SWBs. The waste may also be packaged in various sizes of steel boxes as the outer package. Inner packaging types may include plastic bags, plastic-coated cardboard cartons, and metal cans (½-, 1-, 5-, and 8-gallons). There are numerous overpack configurations: 30-gallon drums (also identified as 35-gallon drums) inside 55-gallon drums, 30-gallon drums inside 55-gallon drums which are overpacked into 85-gallon drums, 55-gallon drums inside 85-gallon drums, wood and metal boxes inside large steel boxes, and drums inside boxes which are overpacked into large steel boxes (References C008, C011, C012, C013, C016, C020, C024, I005, I063, I070, I074, I090, P081, I084, I086, I092, M003, M004, M015, M018, M034, M036, M038, M039, M043, P030, P064, P100, P109, U001, and U007).

Plastic bags, ice cream cartons, and small metal cans were placed in a second plastic bag that was sealed with tape. Several of these packages were removed from the glovebox in a larger plastic bag that was also sealed with tape. Bagged waste was also placed into larger cardboard cartons. Sharp edges on waste items were taped before being packaged (References C008, C010, C011, C012, C016, C019, C020, I084, M003, M018, M029, P016, P064, P100, and U007).

The 55-gallon drums were formerly identified as DOT 17C or 17H and were typically lined with a 90-mil polyethylene rigid liner with a press-fit lid sealed with adhesive, although a rigid liner was not always used. Beginning in 1988, a 3/16-inch vent hole was drilled in the center of the rigid liner lid. Rigid liners without a vent hole generated prior to this time were identified and vented prior to transfer to SRS. The drum or rigid liner was lined with a polyethylene drum bag that was sealed with tape when full. There may also be a ¼ to ¾ inch thick plywood spacer between the rigid liner lid and the drum lid. Plywood spacers are not an approved packaging configuration and must be removed if identified. There is also a rubber gasket between the drum and lid. The drum exterior was painted with an epoxy-phenolic base paint for corrosion protection. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid (References C024, I005, I070, I074, I086, M004, M034, M036, M037, M039, M040, M041, M043, P016, P041, P048, P049, P050, P073, P081,P100, P109, P120, P124, P125, P126, P127, P128, and U001).

Large steel boxes (also known as other steel boxes) could contain up to eight plywood boxes and typically contain two to four boxes or multiple drums. Around the late 1990s, large steel boxes or oversized containers were no longer approved containers per WIPP and they were replaced by the SWB. Historically some SWBs included cardboard liners but the presence or absence of plastic liners is not identified. Bulky or heavy waste items are blocked inside the container to prevent shifting during handling. Recently, the TRUPACT-III SLB2 also became an option. As a result, a program was put in place to repackage large steel box waste into WIPP compliant containers. The waste from large steel boxes is repackaged into SWBs or SLB2s, depending on the size of the waste items. Prior to repackaging, any inner plywood boxes or drums are removed and examined to ensure container integrity. If liquid is present in the large steel box or if it leaks during the handling of the inner containers, absorbent is added (e.g., pig pillows). The inner containers are then loaded into an unlined SWB or SLB2 or the waste is removed from the inner container and loaded directly (References C044, I092, P124, P125, P126, P127, P128, P129, and U001).

5.5.1 Filter Vents

Per SRS procedures, all payload containers shall be vented with approved filter vents (e.g., NucFil-013) prior to disposal. Filter vents shall be installed in accordance with the manufacturer's instructions (References I092, P050, P120, P121, P127, P129, and U001).

5.5.2 Layers of Confinement

TWCC forms (OSR 29-90) completed by SRS for Mound waste specify the layers of confinement. According to these forms, containers in this waste stream have between 1 and 4 layers of confinement (References I092, P127, P129, and U001). Based on a review of packaging documentation (see above), the most restrictive packaging configurations are as follows:

- 55-gallon drums: the waste is double-bagged (layers 1 and 2), removed from the glovebox in another plastic bag (layer 3), and placed in a plastic drum bag (layer 4). The rigid liner, if present, has a vent hole in the lid and is not considered a layer of confinement.

- 85-gallon drums: same as 55-gallon drums except that the vented 55-gallon drum is considered a layer of confinement (layer 5). Although TWCC forms indicate a maximum of four layers (see above), 85-gallon drums are assumed to have five layers of confinement.

- SWBs and SLB2s: the boxes are unlined but the waste could include up to five layers of confinement for SWBs (see first and second bullets) and up to four layers of confinement for SLB2s.

6.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-SOIL

This section presents the mandatory AK for waste stream SR-MD-SOIL required by the WIPP-WAP (Reference 2). Attachment 1 for waste stream SR-MD-SOIL (created in accordance with procedure CCP-TP-005) provides a list of TRU waste stream information required to be developed as part of the AK record (Reference 1).

6.1 Area and Building of Generation

This waste stream was generated from D&D of SM Building, remediation of the SM West Asphalt Area, and remediation of two areas of the WTS underground transfer lines. One area was a segment of the WTS that ran from SW and R Buildings to WD Building. The other area of the WTS was the hillside near WD Building where lines ran from SM and PP Buildings to WD Building (References P040, U001, and U018).

6.2 Waste Stream Volume and Period of Generation

Waste stream SR-MD-SOIL was generated between approximately June 1988 and May 2005. The current volume of this waste stream is provided in Table 6-1, Waste Stream SR-MD-SOIL Volume by Container Type (References C046, I092 and U001). However, the estimated volume may change based on drum remediation and characterization activities and repackaging of large steel boxes into WIPP approved payload containers. The specific containers are provided in the AK Container List (refer to Section 9.0).

Table 6-1. Waste Stream SR-MD-SOIL Volume by Container Type

Container Type	Number of Containers	Total Volume (m^3)
55-Gallon Drum	60	12.60
Standard Large Box 2	3	22.17
Standard Waste Box	9	16.92
	72	51.69

6.3 Waste Generating Activities

Soil waste was generated during D&D operations and from several remediation projects. Areas remediated included portions of the WTS underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. In addition, contaminated areas beneath and adjacent to SM Building have also generated soil. A map showing these areas is provided in Figure 4.

The WTS pipeline, which was placed into operation in 1968, carried acidic and caustic wastewater from PP Building to WD Building. During a routine transfer of plutonium nitrate solution on January 23, 1969, the pipeline ruptured leading to significant Pu-238 contamination. The rupture occurred at a corroded joint located in a section of pipe on the hillside between the pump house (Building 41) and south of WD Building. The rupture of this pipeline also caused the area surrounding the old SD facility (which was adjacent to WD Building) to become contaminated with Pu-238. In December 1970, elevated alpha activity was observed at the SD influent tanks during routine monitoring. Subsequent search and sampling of the sanitary and process sewer lines

indicated that seepage from the process lines had in fact affected the sanitary lines which were made from vitrified clay. Soil removal from this area was done in 1974 and shipped to Idaho (References I028, I033, I090, M044, P017, P018, P056, P086, and P099). Additional remediation of this area in 1988 generated the TRU soil in this waste stream (References C003, C016, M042, and U001).

Soil was also generated in 2004 and 2005 from the remediation of PRS-438. PRS-438 was an area with contaminated soil and a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building (References M062, U001, and U018).

The area under and immediately surrounding SM Building was contaminated with Pu-238. The contamination was largely the result of activity located beneath the operations side of the building and the previous utilization of low-risk tanks outside the building (References I033 and P017). The TRU soil in this waste stream was from beneath the building floor; specifically SM-10 (References P020 and U001).

Soil was also generated in 2005 by the SM West Asphalt Project. The "West Asphalt" area is immediately adjacent and west of the SM/PP stack running west to the roadway and approximately 30 meters north. This location on the SM/PP hill is known to historically contain several radiological hot spots (References M061 and U001).

6.4 Type of Wastes Generated

This section describes the process inputs, Waste Matrix Code assignment, radionuclide contaminants, and hazardous waste determinations for waste stream SR-MD-SOIL.

6.4.1 Material Input Related to Physical Form

Waste stream SR-MD-SOIL is comprised primarily of soil but also includes some rock, concrete, rebar, and piping (References I092 and U001). Absorbent (i.e., Florco or Petrosorb) was also added to soil containers (References P095 and U001). Mound soil is primarily glacial till ranging from gravel and sand to dense clay with clay being predominant (Reference P065).

Beryllium was not specifically identified in this waste stream. Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil cores were divided into aliquots for analysis, including 29 analyzed for beryllium. Most of the samples contained extremely small amounts of beryllium ranging from 0.54 to 1.4 ppm. These data are applicable to the soil from PRS-438 which accounts for a majority of this waste stream (Reference M062). Therefore, beryllium in waste stream SR-MD-SOIL will be less than one percent by weight of the waste in each final payload container, including a TDOP.

6.4.1.1 Waste Matrix Code

The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste, such as packaging procedures, standard operating procedures, and waste disposal forms.

Waste stream SR-MD-SOIL is comprised of predominantly soil materials with the balance of the matrix being absorbent, rock, and debris waste such as concrete, rebar, and piping. Therefore, Waste Matrix Code S4200, Soil/Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in the DOE/LLW-217, *DOE Waste Treatability Group Guidance*. This category includes waste estimated to be at least 50 percent, by volume, soil, sand, silt, or rock and gravel, with the rock and gravel volumes totaling less than 50 percent of the matrix and the balance of the matrix being debris (Reference 4).

Some of the drums initially included in waste stream SR-MD-SOIL were determined by historical RTR to contain less than 50 percent, by volume soil. These drums were evaluated and included in waste stream SR-MD-HET (References DR006 and M064). However, certified RTR or VE determined that some of these drums were actually greater than 50 percent, by volume, soil. AK re-evaluations were performed and the drums were moved back to waste stream SR-MD-SOIL.

6.4.1.2 Waste Material Parameters

The following waste material parameters are associated with waste stream SR-MD-SOIL (Reference 2). This information is based on specific waste items identified in packaging procedures, standard operating procedures, and waste disposal forms as described in Section 6.4.1 (References I092 and U001).

- Iron-based metals (piping, rebar)
- Other inorganic materials (absorbent, concrete)
- Soils
- Steel and plastic (packaging materials)

There is a discrepancy on the TWCC forms as to the categorization of the absorbent material added to the soil containers. On the TWCC forms, the absorbent is categorized as "organic matrix" but is described as clay absorbent (Reference U001). Florco and Petrosorb absorbents are Fuller's earth which is a natural clay mineral that is inorganic (Reference P095). Therefore, the absorbents should be categorized as "other inorganic materials" as described in the WIPP-WAP (Reference 2).

To estimate the waste material parameter weight percentages for waste stream SR-MD-SOIL, data were obtained from the 29-90 forms. SRS observed the packaging of the waste at Mound and estimated the material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for 19 containers from waste stream SR-MD-SOIL were evaluated.

A statistical analysis of the 29-90 data was performed, the results of which are presented in Table 6-2, Waste Stream SR-MD-SOIL Waste Material Parameters. This evaluation is documented in a memorandum (included with Attachment 6) as required by CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1).

Table 6-2. Waste Stream SR-MD-SOIL Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range		
Iron-based Metals/Alloys	3.3%	0	–	21.3%
Aluminum-based Metals/Alloys	0.0%	0	–	0.0%
Other Metals	0.0%	0	–	0.0%
Other Inorganic Materials[1]	1.9%	0		9.5%
Cellulosics	0.0%	0	–	0.0%
Rubber	0.0%	0	–	0.0%
Plastics	0.1%	0	–	6.4%
Organic Matrix[1]	0.0%	0	–	0.0%
Inorganic Matrix	0.0%	0	–	0.0%
Soils/Gravel	94.7%	75.3	–	100%
Total Inorganic	**99.9%**			
Total Organic	**0.1%**			

[1]Review of the 29-90 forms has determined that inorganic absorbent has been listed incorrectly as organic. Therefore, the original waste material parameter evaluation has been updated.

6.4.2 Radiological Characterization

To determine isotopic ratios for waste stream SR-MD-SOIL as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers." None of the containers in this waste stream are below 100 nCi/g TRU alpha based on AK. This evaluation is documented in the NDA Memorandum as required by CCP-TP-005 (Reference 1). As shown in Table 6-3, Waste Stream SR-MD-SOIL Radiological Characterization, Pu-239 is the most predominant radionuclide by mass, and Pu-238 is the second most predominant radionuclide by mass (References DR005, DR015, I020, I092, M077, M078, M079, and U001).

Table 6-3. Waste Stream SR-MD-SOIL Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1]	Total Radionuclide Curie%[2]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	1.29%	0.92%	Trace – 22.13%	Trace – 11.94%	Yes
Pu-238	**27.54%**	97.64%	2.11 – 99.99%	66.80– 99.99%	Yes
Pu-239	**60.80%**	0.78%	0 – 96.20%	0 – 13.54%	Yes
Pu-240	0.24%	0.01%	0 – 5.83%	0 – 1.73%	Yes
Pu-242	0.04%	Trace[5]	0 – 0.80%	0 – Trace	Yes
U-233	Not Reported[6]	Not Reported	Not Reported	Not Reported	Yes
U-234	7.12%	0.01%	0 – 32.65%	0 – 0.02%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Sr-90	Trace	Trace	0 – Trace	0 – Trace	Yes
Cs-137	Trace	0.08%	0 – 1.97%	0 – 9.28%	Yes
Additional Reported Radionuclides					
Bi-214	Trace	Trace	Trace	Trace	Yes
Co-60	Trace	Trace	Trace	0 – Trace	Yes
Np-237	2.94%	Trace	0 – 24.89%	0 – Trace	Yes
K-40	Trace	Trace	Trace	Trace	Yes
Pb-212	Trace	Trace	Trace	Trace	Yes
Pb-214	Trace	Trace	Trace	Trace	Yes
Pu-241	0.03%	0.56%	0 – 0.46%	0 – 21.83%	Yes
Other Radionuclides Not Reported in Soil Assay but May Be Present in Trace Amounts[7]					
Ac-227	H-3	Pa-231	Pb-210	Ra-226	Ra-228
Th-228	Th-229	Th-230	Th-232	Ac-228	Ba-133
Bi-212	Bi-213	Cf-252	Cm-244	Cs-134	Eu-152
Eu-154	Fr-221	Ho-166m	Na-22	Pa-233	Pb-206
Pb-211	Po-209	Po-210	Pu-236	Ra-223	Ra-226
Rn-219	Sb-125	Th-227	Th-234	Tl-208	U-232
U-235	U-237	Y-90			

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing indicates the total curie percent of each radionuclide over the entire waste stream.
3. This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 percent for that radionuclide.
6. "Not Reported" indicates that an activity value for that radionuclide was not reported in assay results but is suspected present in the waste stream.
7. These radionuclides were not reported in assay data for soil but were historically processed at Mound and/or were detected in assay of debris waste, and therefore, may be present in this waste stream (refer to Sections 5.3 and 5.4.2). Only trace amounts are assumed to be present in the waste stream.

AK reviewed from SRS (e.g., 29-90s, GoWest database) indicated that Pu-238 from heat source plutonium was the primary contaminant of concern; however, CCP has generated NDA data resulting from certified assay that has been combined with initial generator reported data. The data were re-evaluated, and the results have been included in Table 6-3. The soil generated during D&D of SM Building and remediation

of the SM West Asphalt area and of the WTS pipeline between SM-PP and WD Buildings is likely contaminated primarily with Pu-238. SM was a Pu-238 (heat source plutonium) processing facility that ceased operations in the late-1960s. The WTS pipeline carried wastewater from SM and PP Buildings to WD Building for treatment. The pipeline ruptured in 1969 contaminating the surrounding soil. The soil generated from remediation of the WTS between SW/R and WD Buildings is also likely contaminated primarily with Pu-238 from heat source plutonium research. However, both SW and R Buildings handled numerous other radionuclides, including Pu-239 neutron sources and WG plutonium. Certified NDA data indicate that the most predominant radionuclides by mass are Pu-239 and Pu-238. Additionally, due to the alpha decay of Pu-238 to U-234, U-234 will be present in significant amounts. However, it is not expected to be one of the two predominant radionuclides by mass (refer to the discussion in Section 4.5.2) (References DR005, DR015, I033, M077, M078, M079, P017, P018, P056, P058, P064, P072, P086, P099, and U001).

6.4.3 Chemical Content Identification – Hazardous Constituents

The subject waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as non-hazardous waste. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007, and F009. Table 6-4, Waste Stream SR-MD-SOIL Chemicals, summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, analytical data, chemical inventories, and interviews. The hazardous waste number assignments have been applied on a waste stream basis; individual containers may be non-hazardous or may not contain all of the hazardous materials listed for the waste stream as a whole (References DR002, I001, M061, M062, and U001).

Table 6-4. Waste Stream SR-MD-SOIL Chemicals

Chemical	EPA Code	Use/Presence	References
Ethanol	N/A	WD influent from SM SD influent from plating shop SM for cleaning Ultrasonic cleaning in R Bldg	I090 I090 C008, I050, P027 P020
Isopropanol	N/A	WD influent from SM SD influent from plating shop	I090 I090
Potassium permanganate	N/A	SD influent from plating shop	I090
Hydrochloric acid	N/A	WD influent from analytical laboratories SD influent from plating shop	P100 I090
Hydrofluoric acid	N/A	WD influent from analytical laboratories SD influent from plating shop	P100 I090
Nitric acid	N/A	WD influent from PP SD influent from plating shop	I045, P100 I090
Phosphoric acid	N/A	SD influent from plating shop	I090
Ammonium hydroxide	N/A	WD influent from PP	I045, P100
Sodium hydroxide	N/A	WD influent from PP SD influent from plating shop	I090 I090
Sulfuric acid	N/A	WD influent from analytical laboratories SD influent from plating shop	P100 I090
Calcium metal	N/A	Pu-238 metal production (1960s)	I090
Copper, gold, and sodium cyanide plating solutions	F007 F009	SD influent from plating shop	I090
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) SD influent from plating shop	P020 P096 I090
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Cadmium	D006	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004
Chromium	D007	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004
Lead	D008	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012

Table 6-4. Waste Stream SR-MD-SOIL Chemicals (Continued)

Chemical	EPA Code	Use/Presence	References
Mercury	D009	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Selenium	D010	Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 P020 P096 C016, I008, M004
Silver	D011	Listed as a trace contaminant of soil SD influent from photographic solution SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 I090 P020 P096 C009, I008, M004
1,1,1-Trichloroethane	F002	Solvent extraction in R Bldg Cleaning in SW Bldg Chemical used in SM, PP, and R Bldgs	I090 P020 C016
1,1,2-Trichloroethane	F002	Unspecified uses	C016
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	SD influent from plating shop Degreasing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 C019 P096 C005, C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
Tetrachloroethylene	F002	SD influent Solvent use in SW Chemical used in SM, PP, and R Bldgs	I090 C019 C011, C016
Trichloroethylene	F002	WD influent from SM and R SD influent from plating shop Degreasing in SM R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I045, I090, P065 I090 C007, C010 P096 C011, C016
Acetone	F003	WD influent from SM and PP SD influent from plating shop SM for cleaning Ultrasonic cleaning in R Bldg Cleaning in SW Chemical used in SM, PP, and R Bldgs	I090, P065, P100 I090 C007, C008, I050 P020 C019, P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016

Table 6-4. Waste Stream SR-MD-SOIL Chemicals (Continued)

Chemical	EPA Code	Use/Presence	References
Methanol	F003	WD influent from SM and R Degreasing in SM Cleaning in SW Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C010, C020 P020 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	Cleaning and polishing in SW Scintillation counting R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P064 P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Toluene	F005	Cleaning and polishing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019, P020 P096 C011, C016

Note: Some of these chemicals may exhibit the characteristic of ignitability, corrosivity, and/or reactivity in their pure form. Based on a review of process operations documentation and liquid waste management practices, ignitable, corrosive, and reactive materials were not disposed of in the waste stream. Containers with prohibited liquids identified during RTR or VE will not be eligible for WIPP disposal without being remediated.

6.4.3.1 F-Listed Constituents

Waste stream SR-MD-SOIL may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31 (Reference 16). As shown in Table 6-4, aqueous solutions containing trace quantities of organic solvents from R, SW, SM and/or PP Buildings were treated in WD Building. Several aqueous solutions containing trace quantities of organic solvents were also treated in the old SD facility. This waste stream includes soil from under and west of SM Building and from remediation of underground liquid waste transfer lines north and south of SD Building and WD Building and is therefore potentially contaminated with these liquids. Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-SOIL. EPA hazardous waste numbers F002, F003, F004, and F005 are therefore assigned to waste stream SR-MD-SOIL (Reference DR002).

As shown in Table 6-4, cyanide plating baths were treated in SD Building. There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. Therefore, EPA hazardous waste numbers F007 and F009 are assigned to waste stream SR-MD-SOIL (Reference DR002).

Although 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 12). This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Several organic solvents were detected in small quantities (210 parts-per-billion was the highest concentration) including ortho-dichlorobenzene (1 detect), methylene chloride (4 detects), acetone (4 detects), methyl ethyl ketone (3 detects), and toluene (3 detects). These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by the Toxicity Characteristic Leaching Procedure (TCLP). Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter. No other constituents were detected (Reference M061).

Several of the organic solvents listed in Table 6-4 were not analyzed for, and the above analytical data do not represent the entire population of soil. For this reason, those organic constituents are assumed to be present as spent solvent contaminants of the soil (References M061 and M062).

6.4.3.2 Toxicity Characteristic Metals

Waste stream SR-MD-SOIL exhibits the characteristics of toxicity for metals as defined in 40 CFR 261.24 (Reference 16). As shown in Table 6-4; the toxicity characteristic metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver may be present in trace quantities in soil.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil samples (29) were analyzed for total metals. Several RCRA regulated metals were detected in small quantities (barium at 210 ppm was the highest concentration) but none above the regulatory level. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for metals by TCLP. Several RCRA regulated metals were detected in small quantities (barium at 3,960 micrograms per liter was the highest concentration) but none above the regulatory level (Reference M061).

Even though the analytical results indicate the metal concentrations are less than their respective regulatory levels, the above data do not represent the entire population of soil. In addition, the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals) (References M061 and M062). For these reasons, EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, and D011 are applied to waste stream SR-MD-SOIL (Reference DR002).

6.4.3.3 Toxicity Characteristic Organics

Waste stream SR-MD-SOIL does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24 (Reference 16). As shown in Table 6-4, the toxicity characteristic organics benzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene may be present in the soil. However, these compounds are known (or in some cases assumed) to have been used for their solvent properties, and therefore, the more specific F-listed hazardous waste numbers are assigned. Consequently, D018 (benzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to the waste stream (Reference DR002).

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Methyl ethyl ketone was the only toxicity characteristic organic detected with the highest concentration being 69 micrograms per kilogram. Benzene, tetrachloroethylene, and trichloroethylene were not detected in any of the samples. Other toxicity characteristic organics were not analyzed. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter. Nearly every toxicity characteristic organic was analyzed for, and no other constituents were detected (Reference M061).

Although every toxicity characteristic organic compound was not analyzed for and the above analytical data do not represent the entire population of soil, the same approach was not used for the assignment of toxicity characteristic organic hazardous waste numbers as was done for the toxic metals. This is because the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). Pure organic compounds were not treated in the SD or WD facilities and are not expected to be present above regulatory levels (References I090, M042, M044, P045, P054, and P056). Therefore, waste stream SR-MD-SOIL is not assigned toxicity characteristic organic EPA hazardous waste numbers.

6.4.3.4 K-Listed Waste

Waste stream SR-MD-SOIL does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32 (Reference 16).

6.4.3.5 U- and P-Listed Wastes

Waste stream SR-MD-SOIL is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 16). Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste.

The organic solvents were in spent aqueous solutions discharged through the WTS for treatment which does not meet the definition of a U-listed waste. In addition, hydrofluoric acid was used in analytical laboratories and in the plating shop. The hydrofluoric acid from these operations was used for its intended purpose prior to being discharged through the WTS for treatment and will not be present in the soil as unused product. Therefore, this waste stream is not a U134-listed waste (References I090 and P100). Beryllium was not specifically identified in this waste stream. Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil cores were divided into aliquots for analysis, including 29 analyzed for beryllium. Most of the samples contained extremely small amounts of beryllium ranging from 0.54 to 1.4 ppm. However, the beryllium contamination in this waste does not meet the definition of a P-listed waste because it was used for its intended purpose (References DR002, I090, and M062). Therefore, this waste stream is not assigned U- or P-Listed EPA hazardous waste numbers.

6.4.3.6 Ignitables, Corrosives, and Reactives

Ignitability

The materials in waste stream SR-MD-SOIL do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 16). As shown in Table 6-4, Mound used ignitable liquids including alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene). However, the material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Liquids, compressed gases, and pyrophorics are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Pyrophoric materials do not exist in Mound soils. Underground piping that leaked originated from buildings that

did not contain or dispose of pyrophoric materials in the piping (Reference P065). Waste stream SR-MD-SOIL is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-SOIL do not meet the definition of corrosivity as defined in 40 CFR 261.22 (Reference 16). As shown in Table 6-4, Mound used acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide). However, liquids are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). Also, the acid from the pipe rupture was neutralized by the soil carbonates (Reference P013). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-SOIL is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-SOIL do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 16). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain sulfides. The materials are not capable of detonation or explosive reaction. Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, P105, P117, P120, P121, and U019). Waste stream SR-MD-SOIL is therefore not reactive (D003).

Calcium metal was used in the 1960s to reduce plutonium tetrafluoride to metal. After the reduction process, the Pu-238 metal was broken away from the slag, and the metal was cleaned with a brush to remove adherent slag and calcium metal. The slag and calcium metal were sent to plutonium recovery, and therefore, will not be in this waste stream (Reference I090).

Cyanides were contained in aqueous liquids treated in SD and WD Buildings and residual cyanides could therefore be present in the soil. However, residual cyanides would not cause the soil to exhibit the characteristic of reactivity (References I045, I090, and P100).

6.4.3.7 Polychlorinated Biphenyls (PCBs)

The soil and debris materials in waste stream SR-MD-SOIL are not regulated as a TSCA waste under 40 CFR 761 because no sources of PCBs have been identified in this waste stream (Reference 17).

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream. The soil samples (29) were analyzed for nine different Aroclors as well as decachlorobiphenyl. The Aroclors were all below the 50 microgram per kilogram detection limit, and the maximum concentration of decachlorobiphenyl was 183 micrograms per kilogram. Since the TSCA regulatory level is 50 ppm (milligrams per kilogram), this soil is not regulated as PCB waste (Reference M062).

6.4.4 Prohibited Items

Prohibited items were not identified in this waste stream on the container paperwork (Reference U001). Historical RTR observed small amounts of liquids (non-prohibited quantities), which originated from spraying water to suppress dust before waste container packaging (Reference DR007, M064, and U019). However, characterization activities have identified prohibited quantities of liquid. Therefore, containers with prohibited waste items identified during characterization activities will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

6.5 Waste Packaging

Waste stream SR-MD-SOIL includes waste originally packaged in 55-gallon drums, an SWB, and metal boxes overpacked into larger steel boxes (References I092 and U001).

The 55-gallon drums are DOT 7A, Type A metal drums. The drums were lined with one polyethylene drum bag but do not contain a 90-mil polyethylene rigid liner. Absorbent (e.g., Florco or Petrosorb) was placed in the bottom of the bag before adding the soil. When the drum was full, additional absorbent was added to the top of the soil inside the bag. Soils containing visible liquid were not packaged, but absorbent was added as a precaution to absorb moisture. The drum lid was vented, the lid was placed on the drum, and a tamper indicating devise was installed. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid (References C040, P095, P120, P124, P125, P126, P127, P128, U001, and U019).

The SWB contains a plastic lift liner, sometimes referred to as a "super sack," that is filled with soil and 100 pounds of absorbent. The lift liner is a commercially available reinforced white plastic bag that has straps used to handle the containers by fork-lift (References C040, P117, and U001).

Large steel boxes (also known as other steel boxes) could contain up to eight plywood boxes and typically contain two to four boxes or multiple drums. Around the late 1990s, large steel boxes or oversized containers were no longer approved containers per WIPP and they were to be replaced by the smaller SWB. Historically some SWBs included cardboard liners but the presence or absence of plastic liners is not identified. Recently, the SLB2 also became an option. As a result, a program was put in place to repackage large steel box waste into WIPP compliant containers. The waste from large steel boxes is repackaged into SWBs or SLB2s, depending on the size of the waste items. Prior to repackaging, any inner plywood boxes or drums are removed and examined to ensure container integrity. If liquid is present in the large steel box or if it leaks during the handling of the inner containers, absorbent is added (e.g., pig pillows). The inner containers are then loaded into an unlined SWB or SLB2 or the waste is removed from the inner container and loaded directly (References C044, I092, P124, P125, P126, P127, P128, P129, and U001).

6.5.1 Filter Vents

Per SRS procedures, all payload containers shall be vented with approved filter vents (e.g., NucFil-013) prior to disposal. Filter vents shall be installed in accordance with the manufacturer's instructions (References C040, P050, P117, P120, P121, P127, P129, and U001).

6.5.2 Layers of Confinement

There is a discrepancy as to the number of confinement layers in the 55-gallon drums. The TWCC forms indicate no layers for a few drums but most are identified as having one layer of confinement (Reference U001). Packaging procedures indicate that plastic liners may be sealed by twist-and-tape or fold-and-tape methods but do not specifically direct the sealing of the liners (References P120 and U019). The waste generator was contacted to resolve this issue. According to the generator, the drums have one plastic bag inside with the top folded; not taped or sealed.

The plastic bag was of sufficient size to wrap over the top of the drum and protect the sides from becoming contaminated. The only reason for the plastic bag is contamination control; they are not sealed (Reference C040).

Some of these drums have been repackaged by SRS. The repackaged drums have a drum liner bag that is sealed by twist and tape and therefore include one layer of confinement (Reference C043).

There is also a discrepancy as to the number of confinement layers in the SWB. The TWCC form indicates two layers of confinement (Reference U001). Packaging procedures state that when necessary, bags may be sealed by twist-and-tape or fold-and-tape but do not specifically direct the sealing of the liners (Reference P117). The waste generator was contacted to resolve this issue. According to the generator, the lift liner in the SWB has a full open duffel top design and is not sealed. Closure is typically done by folding the liner closed and then tying straps closed. This configuration is strong tight but not airtight (Reference C040).

According to the TWCC forms, the large steel boxes in this waste stream have three layers of confinement. Therefore, the final waste package could also contain up to three layers of confinement (References I092, P127, P129, and U001).

7.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HOM-A

This section presents the mandatory AK for waste stream SR-MD-HOM-A required by the WIPP-WAP (Reference 2). Attachment 1 for waste stream SR-MD-HOM-A (created in accordance with procedure CCP-TP-005) provides a list of TRU waste stream information required to be developed as part of the AK record (Reference 1).

7.1 Area and Building Generation

This waste stream was generated in Room 52 of PP Building and Rooms 140 and 149 of R Building (Reference U001).

7.2 Waste Stream Volume and Period of Generation

Waste stream SR-MD-HOM-A was generated between approximately April 1979 and June 1992. The volume of this waste stream is provided in Table 7-1, Waste Stream SR-MD-HOM-A Volume by Container Type (Reference U001). The specific containers are provided in the AK Container List (refer to Section 9.0).

Table 7-1. Waste Stream SR-MD-HOM-A Volume by Container Type

Container Type	Number of Containers	Total Volume (m^3)
55-Gallon Drum	8	1.68
85-Gallon Overpack	3	0.96
	11	2.64

7.3 Waste Generating Activities

The primary mission of PP Building was Pu-238 heat source production and recovery operations. R Building was a research facility that primarily conducted Pu-238 heat source research. R-140 was an analytical lab in R Building that supported various operations in R Building including Pu-238 heat source research. R-149 also conducted operations in support of the Pu-238 heat source mission by separating U-234 from aged Pu-238. These production, recovery, research, and analytical support operations as well as the cleanup and decontamination of these areas at the end of their missions generated various aqueous liquids including acids, caustics, plutonium standards, and cleaning solutions that were absorbed in Florco. Therefore, this waste is delineated as a single waste stream (References P030, P054, and P056).

Acidic and caustic liquid wastes from PP Building were collected in separate tanks in PP-14 and then transferred to PP-52. An estimated 95 percent of the acid waste was nitric acid with trace amounts of hydrofluoric, hydrochloric, sulfuric, and oxalic acids. Caustic waste was primarily sodium hydroxide and limited amounts of ammonium hydroxide. Thirty-eight (38) liters of the acid or caustic (un-neutralized) were transferred into a drum lined with a 90-mil polyethylene rigid liner and a polyethylene drum bag. Florco absorbent (150 pounds) was added to the drum bag before introducing the liquid. The drums were allowed to outgas for a minimum of 16 hours and then sealed by twisting and taping the bag (References I084, P041, P058, P064, and U007). This operation was discontinued in November 1982. A flow diagram illustrating this process

is presented in the *Mound Laboratory Radioactive Waste Management Site Plan* (References P058 and P064).

When recovery operations ended in PP Building, the amount of acidic liquid waste greatly decreased. Since that time, acidic wastes were combined with caustic wastes for processing (Reference U007).

Limited amounts of acidic and caustic waste, such as cleaning solutions and plutonium standards, were also generated in R-140 and absorbed with Florco in small bottles (e.g., 2 liters) (References U001 and U007). Prior to 1982, acid and caustic wastes were absorbed separately. Since that time, acid wastes were made basic and combined with caustic wastes before processing (Reference U007).

In R-149, U-234 was separated from aged Pu-238 (Pu-238 decays by alpha emission to U-234). A batch of solid Pu-238 material was processed by dissolution, oxalate precipitation, solvent extraction, nitrate anion exchange, chloride ion exchange, and calcination to produce a high-purity (99 percent) U-234 oxide. The acidic liquid containing the Pu-238 that has been separated from the solvent extract was neutralized and absorbed with Florco in small bottles (References C009, P021, P054, and U007). A flow diagram illustrating this process is presented in the *Operable Unit 9 Site Scoping Report: Volume 7 – Waste Management* (Reference I090).

7.4 Types of Waste Generated

This section describes the process inputs, Waste Matrix Code assignment, radionuclide contaminants, and hazardous waste determinations for waste stream SR-MD-HOM-A.

7.4.1 Material Input Related to Physical Form

Waste stream SR-MD-HOM-A is comprised primarily of aqueous liquids absorbed in polyethylene bottles, but includes minor amounts of debris waste including pipe, metal cans, and plastic (References I005, I020, I092, and U001).

Beryllium was not identified in this waste stream, and therefore, will be less than 1% by weight of the waste in each final payload container, including a TDOP.

7.4.1.1 Waste Matrix Code

The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste, such as packaging procedures, standard operating procedures, waste disposal forms, and historical RTR data.

It is estimated that this waste stream is comprised of more than 50 percent, by volume absorbed aqueous liquids with the balance of the matrix being debris. Therefore, Waste Matrix Code S3113, Inorganic Particulate Absorbents, is applied to this waste stream. The definition of this Waste Matrix Code is provided in the *DOE Waste Treatability Group Guidance* (Reference 4).

7.4.1.2 Waste Material Parameters

The following waste material parameters are associated with waste stream SR-MD-HOM-A (Reference 2). This information is based on specific waste items identified in packaging procedures, standard operating procedures, waste disposal forms, and historical RTR data as described in Section 7.4.1. In addition, waste material parameter weights were obtained from TWCC forms (Reference U001).

- Iron-based metals
- Other inorganic materials
- Plastics (waste materials)
- Inorganic matrix
- Steel and plastic (packaging materials)

To estimate the waste material parameter weight percentages for waste stream SR-MD-HOM-A, data were obtained from the WDS database for INL waste stream BN835. BN835 is a homogeneous waste stream generated by the same Mound Facility operations that generated the SR-MD-HOM-A waste stream (Reference P123). The WDS data were derived from RTR by the AMWTP at INL. Although the Mound waste stored at INL was generally older than the Mound waste stored at SRS, the INL information was chosen over the data from the 29-90s due to the fact that the dates on the 29-90 indicated that many were not prepared at the time of generation of the drums.

Data from 1,977 drums of the INL BN835 waste stream were analyzed to determine the waste material parameters in the SR-MD-HOM-A waste stream.

A statistical analysis of the INL data was performed, the results of which are presented in Table 7-2, Waste Stream SR-MD-HOM-A Waste Material Parameters. This evaluation is documented in a memorandum (included with Attachment 6) as required by CCP-TP-005 (Reference 1).

Table 7-2. Waste Stream SR-MD-HOM-A Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	<0.1%	0 – 3.4%
Aluminum-based Metals/Alloys	0.0%	0 – 0.0%
Other Metals	0.0%	0 – 0.1%
Other Inorganic Materials	<0.1%	0 – 14.3%
Cellulosics	0.4%	0 – 11.0%
Rubber	0.0%	0 – 1.6%
Plastics	0.1%	0 – 21.1%
Organic Matrix	0.0%	0 – 0.0%
Inorganic Matrix	99.4%	72.0 – 100%
Soils/Gravel	0.0%	0 – 0.0%
Total Inorganic	**99.5%**	
Total Organic	**0.5%**	

Note: the above values for Iron-based Metals/Alloys, Other Inorganic Materials, and Plastics have been rounded in order for the final weight percentage to equal approximately 100%. These rounded values are slightly different from the calculations presented in Attachment 6.

7.4.2 Radiological Characterization

To determine isotopic ratios for waste stream SR-MD-HOM-A as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers." As shown in Table 7-3, Waste Stream SR-MD-HOM-A Radiological Characterization, Pu-238 is the most predominant radionuclide by mass, and Pu-239 is the second most predominant radionuclide by mass (References DR005, I020, I092, and U001). None of the containers in this waste stream are below 100 nCi/g TRU alpha based on AK.

Waste stream SR-MD-HOM-A originated in R-140, R-149, and PP-52 (Reference U001). R-140 was an analytical laboratory, R-149 extracted U-234 from aged Pu-238, and PP-52 absorbed liquids from heat source operations. The prevalent radionuclides based on the historical assay are Pu-238 and Pu-239, which would seem reasonable based on these operations. However, of the 11 containers in this waste stream, U-234 was reported in historical assay results for only two of these containers (MDL016280 and MDL016440); both of which are from R-140 (References I019, I092, and U001). When CCP characterization assay calculates U-234 (refer to Section 4.5.2), Pu-238 should remain the predominant radionuclide by mass but U-234 will likely become the second most prevalent radionuclide (Reference DR005).

Table 7-3. Waste Stream SR-MD-HOM-A Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1]	Total Radionuclide Curie%[2]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	0.37%	0.10%	0.00% – 17.34%	0.00% – 11.98%	Yes
Pu-238	**77.44%**	**99.63%**	0.00% – 100%	0.00% – 100%	Yes
Pu-239	**9.54%**	0.05%	0.00% – 87.76%	0.00% – 35.40%	Yes
Pu-240	0.26%	Trace	0.00% – 12.42%	0.00% – 3.51%	Yes
Pu-242	Not Reported	Not Reported	Not Reported	Not Reported	Yes
U-233	Not Reported	Not Reported	Not Reported	Not Reported	Yes[8]
U-234	3.60%	Trace	0.00% – 79.64%	0.00% – 0.35%	Yes
U-238	Trace[5]	Trace	0.00% – Trace	0.00% – Trace	Yes
Sr-90[6]	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Cs-137	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Additional Reported Radionuclides					
Ac-228	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Bi-212	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Bi-213	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Bi-214	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Fr-221	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
K-40	2.14%	Trace	0.00% – 81.55%	0.00% – Trace	Yes
Np-237	1.37%	Trace	0.00% – 2.20%	0.00% – Trace	Yes
Pa-233	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Pb-212	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Pb-214	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Pu-241	0.03%	**0.22%**	0.00% – 0.84%	0.00% – 82.56%	Yes
Th-229	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
Tl-208	Trace	Trace	0.00% – Trace	0.00% – Trace	Yes
U-235	5.24%	Trace	0.00% – 64.06%	0.00% – Trace	Yes
Other Radionuclides Not Reported in Assay but May Be Present in Trace Amounts[7]					
Ac-227	Cm-244	H-3	Pa-231	Po-210	Ra-226
Th-230	Y-90				

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing indicates the total curie percent of each radionuclide over the entire waste stream.
3. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight percent for that radionuclide.
6. Sr-90 cannot be quantified by gamma spectroscopy. Its value is calculated based on measured Cs-137 values. A Sr-90/Cs-137 scaling factor of 1.0 is used to calculate Sr-90.
7. These radionuclides were not reported in assay data for this waste stream but were historically processed in PP and R Buildings at Mound, and therefore, may be present in this waste stream (refer to Section 5.3). Only trace amounts are assumed to be present in the waste stream.
8. U-233 was not identified in AK assay data, but has been identified in one drum by CCP certified assay.

7.4.3 Chemical Content Identification – Hazardous Constituents

The subject waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as hazardous for the characteristic of corrosivity (D002). An evaluation of this waste has determined it does not meet the definition of corrosivity. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D006, D007, D008, D009, and F002. Table 7-4, Waste Stream SR-MD-HOM-A Chemicals, summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, chemical inventories, and interviews. The hazardous waste number assignments have been applied on a waste stream basis; individual containers may be non-hazardous or may not contain all of the hazardous materials listed for the waste stream as a whole (References DR003, I001, and U001).

Table 7-4. Waste Stream SR-MD-HOM-A Chemicals

Chemical	EPA Code	Use	References
Ammonium hydroxide	N/A	Pu-238 processing in PP Building	P041, P058, P064, U007
Hydrochloric acid	N/A	Pu-238 processing in PP Building	P041, P058, P064, U007
Hydrofluoric acid	N/A	Pu-238 processing in PP Building	P041, P058, P064, U007
Nitric acid	N/A	Pu-238 processing in PP Building U-234 separation from aged Pu-238	P041, P058, P064, U007 C009, P021
Oxalic acid	N/A	Pu-238 processing in PP Building U-234 separation from aged Pu-238	P041, P058, P064, U007 C009, P021
Sodium hydroxide	N/A	Pu-238 processing in PP Building	P041, P058, P064, U007
Sulfuric acid	N/A	Pu-238 processing in PP Building	P041, P058, P064, U007
Cadmium	D006	R Building analytical operations	P061
Chromium	D007	R Building analytical operations Trace amounts in high-risk acidic and caustic wastes	P061 P122
Lead	D008	R Building analytical operations Trace amounts in high-risk acidic and caustic wastes	P061 P122
Mercury	D009	Trace amounts in high-risk acidic and caustic wastes	P122
Di-sec-butylphenyl-phosphonate in 1,1,2-trichloroethane	N/A	U-234 separation from aged Pu-238	P021

Table 7-4. Waste Stream SR-MD-HOM-A Chemicals (Continued)

Chemical	EPA Code	Use	References
Tri-octyl phosphine oxide (TOPO) in kerosene	N/A	U-234 separation from aged Pu-238	C009
1,1,1-Trichloroethane	F002	Found in Headspace Gas Analysis in similar waste in Idaho	P122
Trichloroethylene	F002	Found in Headspace Gas Analysis in similar waste in Idaho	P122

Note: Some of these chemicals may exhibit the characteristic of ignitability, corrosivity, and/or reactivity in their pure form. Based on a review of process operations documentation and liquid waste management practices, ignitable, corrosive, and reactive materials were not disposed of in the waste stream. Containers with prohibited liquids identified during RTR or VE will not be eligible for WIPP disposal without being remediated.

7.4.3.1 F-Listed Constituents

Waste stream SR-MD-HOM-A was not derived from the treatment of any of the hazardous wastes from non-specific sources listed in 40 CFR 261.31 (Reference 16). Based on the AK documentation reviewed, the process that generated this waste stream used the F-listed solvent 1,1,2-trichloroethane. Even though the absorbed aqueous liquid may contain small amounts of this solvent, the aqueous phase from organic liquid-liquid extraction does not meet the definition of an F-listed waste (References 12 and DR003).

Headspace gas analysis was previously conducted by SRS on three of the containers in waste stream SR-MD-HOM-A. Samples were analyzed for hydrogen, methane, and total VOCs, but not individual VOCs. VOCs were not detected in this waste (Reference P098).

In the same Mound waste that was sent to Idaho for storage (AMWTP waste stream BN835), Head Space Gas Analysis detected 1,1,1-trichloroethane and trichloroethylene above the Program Required Quantitation Limit (PRQL) (References M076 and P122). Therefore, EPA hazardous waste number F002 is assigned to waste stream SR-MD-HOM-A (Reference DR003).

Although 1,1,1-trichloroethane and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 12). This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

7.4.3.2 Toxicity Characteristic Metals

Waste stream SR-MD-HOM-A exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24 (Reference 16). As shown in Table 7-4; the toxicity characteristic metals cadmium, chromium, lead, and mercury may be present in this waste stream. Since data are not available that demonstrate the concentration of these constituents is less than the toxicity characteristic regulatory level, EPA hazardous waste numbers D006 – D009 are applied to waste stream SR-MD-HOM-A (Reference DR003).

7.4.3.3 Toxicity Characteristic Organics

Waste stream SR-MD-HOM-A was not derived from the treatment of any of the toxicity characteristic organics listed in 40 CFR 261.24 (Reference 16). Based on the AK documentation reviewed, the process that generated this waste stream did not use toxicity characteristic organics and the absorbed aqueous liquids do not contain these constituents.

Headspace gas analysis was previously conducted by SRS on three of the containers in waste stream SR-MD-HOM-A. Samples were analyzed for hydrogen, methane, and total VOCs, but not individual VOCs. VOCs were not detected in this waste (Reference P098).

7.4.3.4 K-Listed Waste

Waste stream SR-MD-HOM-A does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32 (Reference 16).

7.4.3.5 U- and P-Listed Wastes

Waste stream SR-MD-HOM-A is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 16). This waste stream is absorbed aqueous liquids and does not contain U- and P-listed chemicals (e.g., U134-hydrofluoric acid and P015-beryllium powder). Therefore, waste stream SR-MD-HOM-A is not a U- or P-listed waste.

7.4.3.6 Ignitables, Corrosives, and Reactives

Ignitability

The materials in waste stream SR-MD-HOM-A do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 16). The material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, incompatible materials that may cause the generation of heat, fire, or flammable gas are placed in separate payload containers (Reference P079).

According to procedure and in compliance with waste acceptance criteria, containers are drained before disposal and packaged with absorbent material (References P041, P065, P078, and P105). Historical RTR did not identify liquids in this waste (Reference I005). RTR and/or VE are performed by CCP to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted.

According to procedure and in compliance with waste acceptance criteria, inner containers are vented prior to disposal in TRU waste (References I010, P041, P065, P078, and P105). Historical RTR did not identify un-vented containers (e.g., aerosol cans) in this waste stream (Reference I005). RTR and/or VE are performed by CCP to ensure the absence of ignitable compressed gases. Any container identified with unpunctured aerosol cans or compressed gas cylinders will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until the cans are either punctured or removed from the waste stream.

Pyrophorics have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of pyrophorics in TRU waste (References C003, I010, P041, P065, P078, and P105). Pyrophoric materials were not typically handled in areas where TRU waste was generated (Reference P065). Waste stream SR-MD-HOM-A is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-HOM-A do not meet the definition of corrosivity as defined in 40 CFR 261.22 (Reference 16). If liquids are present in this waste, they may be corrosive because acid (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide) were not neutralized before treatment (Reference I011). However, historical RTR did not identify liquids in the containers in this waste stream (Reference I005). RTR and/or VE are performed by CCP to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-HOM-A is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-HOM-A do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 16). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain cyanides or sulfides, and is not capable of detonation or explosive reaction. In addition, incompatible materials that may generate toxic gases or cause an explosion or violent reaction are placed in separate payload containers (Reference P079).

Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, and P105). Areas where TRU waste was generated typically contain no explosive wastes (Reference P065). Any explosive materials would have been rendered non-explosive prior to disposal. Explosives that were not radiologically contaminated were also put into separate explosive waste containers (References C019 and P020). Explosives were also burned in Area H starting in the 1950s and continued

into the 1990s (References I090 and P058). Waste stream SR-MD-HOM-A is therefore not reactive (D003).

7.4.3.7 Polychlorinated Biphenyls (PCBs)

The materials in waste stream SR-MD-HOM-A are not regulated as a TSCA waste under 40 CFR 761 because no sources of PCBs have been identified in this waste stream (Reference 17).

7.4.4 Prohibited Items

Prohibited items have not been identified in this waste stream. However, the presence of liquids due to dewatering is possible. Containers with prohibited waste items identified during characterization activities will be segregated and/or repackaged to remove the items prior to certification and shipment (Reference P124, P126, and P127).

There were drums of absorbed acid waste generated in the mid-1970s that were not shipped to Idaho because of pressurization problems brought on by gas generation. The gas generation was caused by a diatomaceous earth absorbent containing calcium carbonate. The use of this absorbent was suspended and replaced with Florco which is an aluminum-magnesium-iron silicate clay material. To correct the problem, the contents of each drum were divided into two drums and then filled with Florco, held for three months, re-checked for pressurization, and shipped to Idaho. It appears that all of these drums were shipped to Idaho (References P058 and P064).

7.5 Waste Packaging

Waste stream SR-MD-HOM-A includes waste originally packaged in DOT 7A, Type A 55-gallon drums and 85-gallon drum overpacks as the outer package (References I092 and U001).

Liquid wastes from PP Building were transferred into drums lined with a 90-mil polyethylene rigid liner and a polyethylene drum bag. Absorbent was added to the drum bag before introducing the liquid. The drum bag containing the absorbed liquid was then sealed by twisting and taping the bag. Beginning in 1988, a 3/16-inch vent hole was drilled in the center of the rigid liner lid. Rigid liners without a vent hole generated prior to this time were identified and vented prior to transfer to SRS (References I084, P041, P058, P064, and U007).

Liquid wastes from R Building were absorbed in 1-or 2-liter plastic bottles. Each bottle was then placed in a plastic bag, which was sealed with tape. As many as 45 bottles were placed in a 55-gallon drum containing a 90-mil polyethylene rigid liner and a polyethylene drum bag. The drum bag was sealed with tape and the rigid liner lid (with a 3/16-inch vent hole) was attached with adhesive. Plywood spacers (¼ to ¾ inch thick) may be between the rigid liner lid and the drum lid. Plywood spacers are not an approved packaging configuration and must be removed if identified (References C009, C010, C013, I084, I090, M054, P021, P040, P041, P054, P064, U001, and U007).

Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid (References P120, P124, P125, P126, P127, and P128).

7.5.1 Filter Vents

Per SRS procedures, all payload containers shall be vented with approved filter vents (e.g., NucFil-013) prior to disposal. Filter vents shall be installed in accordance with the manufacturer's instructions (References I092, P050, P120, P121, and U001).

7.5.2 Layers of Confinement

According to the TWCC forms, the waste from PP Building has two layers of confinement (References I092 and U001). Based on the above packaging description, the waste from PP Building consists of only one layer of confinement (the sealed plastic drum bag). However, it is assumed that two liner bags could have been used, and therefore, a maximum of two layers of confinement is assumed.

The waste from R Building has between two and four layers of confinement according to the TWCC forms (References I092 and U001). Based on the above packaging description, the waste from R Building consists of two layers of confinement (sealed plastic bag containing waste and sealed plastic drum bag). However, it is assumed that the waste could have been double bagged (layers 1 and 2) and placed into the drum bag (layer 3). The fourth layer may have been the plastic bottle; however, sealed containers less than four liters are not considered a layer of confinement. Therefore, a maximum of three layers of confinement is assumed for 55-gallon drums. A maximum of four layers of confinement is assumed for 85-gallon overpacks because the vented inner 55-gallon drum is a layer of confinement.

8.0 REQUIRED WASTE STREAM INFORMATION: SR-MD-HOM-C

This section presents the mandatory AK for waste stream SR-MD-HOM-C required by the WIPP-WAP (Reference 2). Attachment 1 for waste stream SR-MD-HOM-C (created in accordance with procedure CCP-TP-005) provides a list of TRU waste stream information required to be developed as part of the AK record (Reference 1).

8.1 Area and Building of Generation

Waste stream SR-MD-HOM-C is comprised of R-128 sump cleanout residue and drainpipe residue from the red and yellow process drain lines in R Building (Reference U020).

8.2 Waste Stream Volume and Period of Generation

Waste stream SR-MD-HOM-C is comprised of three 55-gallon drums. The waste was generated in 2003 and 2004 (Reference U020). The specific containers are provided in the AK Container List (refer to Section 9.0).

8.3 Waste Generating Activities

R Building was built in 1948 and had a multitude of programs involving numerous radionuclides over the many years of operation. The TRU nuclides Pu-238, Pu-239, and Am-241 were first introduced in 1956 with the alpha and neutron source programs. Pu-238 heat source research began in 1959. The major R&D programs in R Building included (References I090 and P054):

- Fabrication of Po-210 neutron sources and thermoelectric generators
- Separation of plutonium from irradiated U-238
- Separation of Ac-227 from irradiated Ra-226
- Separation of Pa-231 from residues of previous uranium processing
- Separation of Th-230 from residues of previous uranium processing
- Fabrication of alpha and neutron sources; Pu-238, Pu-239, Am-241
- Examination of U-235, U-238, Pu-239, Am-241, Np-237, and Cm-244 for use as reactor fuels
- Separation of Sr-90 and Y-90
- Separation of Pa-231 and Pa-233
- Fabrication of Pu-238 heat sources for thermoelectric generators

- Separation of U-234 from aged Pu-238
- Tritium (H-3) research

TRU nuclides were first introduced to R Building in 1948 with the separation and recovery of plutonium from irradiated uranium. The alpha and neutron source programs and reactor fuels research began in 1956. The initial research using Pu-238 as a heat source began in 1959 (References I090 and P054). Decontamination operations in R Building were ongoing throughout its operational history to make way for new programs. Most of the R&D and analytical operations that generated TRU waste in R Building, including the labs that supported the Pu-238 heat source program, the reactor fuels program, and the U-234 separation program ended by the late-1970s. D&D of many of these labs occurred throughout the 1980s (References P053 and P054).

Waste stream SR-MD-HOM-C was generated from cleanout of a sump in R-128 and cleanout of the red and yellow process drain lines in R Building. The alpha sump in R-128 serviced the alpha contaminated sinks in R Building. The cleanout of the red and yellow process drain lines in R Building resulted in a residue from scouring and vacuuming (Reference P029, P072, and U020).

8.4 Type of Wastes Generated

This section describes the process inputs, Waste Matrix Code assignment, radionuclide contaminants, and hazardous waste determinations for waste stream SR-MD-HOM-C.

8.4.1 Material Input Related to Physical Form

Waste stream SR-MD-HOM-C is comprised of two 55-gallon drums of residue (hard water mineral deposits, sand, and gravel) from the cleanout of drain lines in R Building. The residue has a sand-like consistency. The drums also contain other material that came in contact with the residue, including miscellaneous metallic objects (nuts, bolts, screws), mop strings, cotton rags, rubber gloves, paper PPE, plastic PPE, plastic glovebag material, and plastic tape (Reference U020).

Waste stream SR-MD-HOM-C also contains one drum of residue from the cleanout of the sump in R-128 of R Building. Residue from the cleanout of the sump has a sand-like consistency (Reference U020).

Beryllium was not identified in this waste stream, and therefore, will be less than one percent by weight of the waste in each final payload container, including a TDOP.

8.4.1.1 Waste Matrix Code

The waste matrix code was assigned to this waste stream based on the evaluation of AK information relating to the physical form of the waste, such as packaging logs, and waste disposal forms.

As described in Section 8.4.1, these drums contain a sand-like inorganic particulate material with minor amounts of debris waste. Therefore, Waste Matrix Code S3110, Inorganic Particulates, is applied to this waste stream. The definition of this Waste Matrix Code is provided in the *DOE Waste Treatability Group Guidance* (Reference 4). This category includes waste that is at least 50 percent by volume inorganic particulates.

8.4.1.2 Waste Material Parameters

The waste material parameters associated with waste stream SR-MD-HOM-C are based on specific waste items identified in packaging logs, and waste disposal forms.

To estimate the waste material parameter weight percentages for waste stream SR-MD-HOM-C, data were obtained from the 29-90 forms. SRS observed the packaging of the waste at Mound and estimated the waste material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for all three containers from waste stream SR-MD-HOM-C were evaluated.

A statistical analysis of the 29-90 data was performed, the results of which are presented in Table 8-1, Waste Stream SR-MD-HOM-C Waste Material Parameters. This evaluation is documented in a memorandum (included with Attachment 6) as required by CCP-TP-005 (Reference 1).

Table 8-1. Waste Stream SR-MD-HOM-C Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range		
Iron-based Metals/Alloys	0.5%	0	–	1.7%
Aluminum-based Metals/Alloys	0.0%	0	–	0.0%
Other Metals	0.0%	0	–	0.0%
Other Inorganic Materials	0.0%	0	–	0.0%
Cellulosics	0.5%	0	–	1.7%
Rubber	0.5%	0	–	1.7%
Plastics	2.6%	0	–	9.0%
Organic Matrix	0.5%	0	–	1.7%
Inorganic Matrix	95.4%	84.1	–	100%
Soils/Gravel	0.0%	0	–	0.0%
Total Inorganic	**95.9%**			
Total Organic	**4.1%**			

8.4.2 Radiological Characterization

To determine isotopic ratios for waste stream SR-MD-HOM-C as a whole, the total measured gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Weight%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Weight% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Curie%" and "Radionuclide Curie% Range for Individual Containers." As shown in Table 8-2, Waste Stream SR-MD-HOM-C Radiological Characterization, Pu-239 is the most predominant radionuclide by mass and U-235 is the second most predominant radionuclide by mass. Although U-235 is the second most predominant radionuclide by mass for the waste stream, it was only reported in one of the three containers (Reference DR017). None of the containers in this waste stream are below 100 nCi/g TRU alpha based on AK.

Waste stream SR-MD-HOM-C originated from the R Building (Reference U020). R Building performed R&D on a variety of isotopes most notable the heat source Pu-238 for RTGs. Although Pu-238 is not one of the two predominant radionuclides by mass based on CCP NDA, it was the third most predominant radionuclide and it was detected in all three containers. In addition, the two most predominant radionuclides by activity are Pu-238 and Pu-239 which is consistent with heat source plutonium (Reference DR017).

Other radionuclides that were reported in historical assay results but not detected in CCP NDA, or that are potentially present in small quantities based on AK documentation, are shown at the bottom of Table 8-2(References I090, P054, and U020).

Table 8-2. Waste Stream SR-MD-HOM-C Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1,5]	Total Radionuclide Curie%[2,5]	Radionuclide Weight% Range for Individual Containers[3,5]	Radionuclide Curie% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	0.51%	0.70%	0.03% – 1.72%	0.04% – 1.44%	Yes
Pu-238	14.27%	**97.96%**	11.82% – 23.45%	97.31% – 99.94%	Yes
Pu-239	**52.94%**	**1.32%**	0.00% – 76.20%	0.00% – 1.87%	Yes
Pu-240	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Pu-242	0.02%	Trace	0.02% – 0.03%	Trace	Yes
U-233	Not Reported	Not Reported	Not Reported	Not Reported	Yes
U-234	6.91%	0.02%	5.71% – 11.37%	0.02% – 0.02%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Cs-137	Trace	Trace	Trace	Trace	Yes
Sr-90	Trace	Trace	Trace	Trace	Yes
Additional Measured Radionuclides					
Ac-227	Trace	Trace	0.00% – Trace	0.00% – 0.01%	Yes
Ra-226	Trace	Trace	0.00% – 0.06%	0.00% – 0.01%	Yes
Np-237	1.51%	Trace	0.56% – 2.54%	Trace	Yes
U-235	**23.84%**	Trace	0.00% – 81.86%	0.00% – Trace	Yes
Other Potential Radionuclides[6]					
Ac-222	Cm-244	H-3	Pa-231	Pa-233	Pu-236
Pu-241	Th-228	Th-229	Th-230	Th-232	

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing indicates the total curie percent of each radionuclide over the entire waste stream.
3. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates < 0.01% for that radionuclide.
6. This listing includes radionuclides reported in generator data but not detected during CCP certified assay data (e.g., Th-230).

8.4.3 Chemical Content Identification – Hazardous Constituents

The subject waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as non-hazardous waste. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D009, D010, D011, F002, F003, F004, and F005. Toxic characteristic and F-listed constituents were used in R Building, the waste was not sampled and analyzed at the time of generation, and hazardous constituents were identified in the influent to the WD Building from the R Building. Table 8-3, Waste Stream SR-MD-HOM-C Chemicals, summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous

materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, chemical inventories, and interviews. The hazardous waste number assignments have been applied on a waste stream basis; individual containers may be non-hazardous or may not contain all of the hazardous materials listed for the waste stream as a whole (References DR008 and U020).

Table 8-3. Waste Stream SR-MD-HOM-C Chemicals

Chemical	EPA Code	Use/Presence	References
Ethanol	N/A	WD influent from R Bldg analytical laboratories Ultrasonic cleaning in R Bldg	I045, P100 P020
Isopropanol	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Hydrochloric acid	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Hydrofluoric acid	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Nitric acid	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Ammonium hydroxide	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Sulfuric acid	N/A	WD influent from R Bldg analytical laboratories	I045, P100
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998)	P020 P096
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Cadmium	D006	Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P020 P096 C009, I008, M004
Chromium	D007	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C009, I008, M004
Lead	D008	WD influent from R Bldg analytical laboratories Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 P020 P096 C012
Mercury	D009	WD influent from R Bldg analytical laboratories Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 P020 P096 C012
Selenium	D010	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Silver	D011	Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P020 P096 C009, I008, M004
1,1,1-Trichloroethane	F002	Solvent extraction in R Bldg Chemical used in SM, PP, and R Bldgs	I090 C016

Table 8-3. Waste Stream SR-MD-HOM-C Chemicals (Continued)

Chemical	EPA Code	Use/Presence	References
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
1,1,2-Trichloroethane	F002	Chemical used in SM, PP, and R Bldgs	C016
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C005, C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Tetrachloroethylene	F002	Chemical used in SM, PP, and R Bldgs	C011, C016
Trichloroethylene	F002	WD influent from R Bldg analytical laboratories R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P100 P096 C011, C016
Acetone	F003	WD influent from R Bldg analytical laboratories Ultrasonic cleaning in R Bldg Chemical used in SM, PP, and R Bldgs	P100 P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016
Methanol	F003	WD influent from R Bldg analytical laboratories Chemical used in SM, PP, and R Bldgs	P100 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Toluene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016

Note: Some of these chemicals may exhibit the characteristic of ignitability, corrosivity, and/or reactivity in their pure form. Based on a review of process operations documentation and liquid waste management practices, ignitable, corrosive, and reactive materials were not disposed of in the waste stream. Containers with prohibited liquids identified during RTR or VE will not be eligible for WIPP disposal without being remediated.

8.4.3.1 F-Listed Constituents

Waste stream SR-MD-HOM-C may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31 (Reference 16). As shown in Table 8-3, numerous organic solvents were used in R Building. Waste stream SR-MD-HOM-C was generated from the removal of residue from sumps and drain lines historically used to collect and transfer waste water to WD Building for treatment. The WD Building operations were designed to treat aqueous liquids, not organic solvents. However, several F003-listed solvents are miscible in water and have been identified in influent to WD Building. Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-HOM-C. In addition, the F002-listed solvent trichloroethylene, which is not miscible in water, was also identified in influent to WD Building. Since a solvent that is immiscible in water was identified in WD Building influent, it is possible that waste water contaminated with other immiscible solvents used in R Building could have been treated in WD Building. Therefore, EPA hazardous waste numbers F002, F003, F004, and F005 are assigned to waste stream SR-MD-HOM-C (Reference DR008).

Although 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 12). This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

8.4.3.2 Toxicity Characteristic Metals

Waste stream SR-MD-HOM-C exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24 (Reference 16). As shown in Table 8-3, the toxicity characteristic metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver were used in R Building and may be present in this waste stream. Since data are not available that demonstrate the concentration of these constituents is less than the toxicity characteristic regulatory level, EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, and D011 are applied to waste stream SR-MD-HOM-C (Reference DR008).

8.4.3.3 Toxicity Characteristic Organics

Waste stream SR-MD-HOM-C does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24 (Reference 16). Several of the F-listed solvents shown in Table 8-3 are also toxicity characteristic organics. They include benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene. However, these compounds are known (or in some cases assumed) to have been used for their solvent properties, and therefore, the more specific F-listed hazardous waste numbers are assigned. Therefore, D018 (benzene), D021 (chlorobenzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to waste stream SR-MD-HOM-C (Reference DR008).

8.4.3.4 K-Listed Waste

Waste stream SR-MD-HOM-C does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32 (Reference 16).

8.4.3.5 U- and P-Listed Wastes

Waste stream SR-MD-HOM-C is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 16). Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste or treated in WD Building. In addition, the organic solvents in Table 8-3 were in spent aqueous solutions transferred WD Building by pipeline or were used in R Building for their intended purpose which does not meet the definition of a U-listed waste. Hydrofluoric acid was used in Mound facilities, including the R Building. The review of the AK source documentation did not identify the disposal of unused hydrofluoric acid or disposal of materials contaminated with spills of this acid; therefore, the EPA hazardous waste number U134 is not assigned. Based on a review of the AK documentation, beryllium (e.g., beryllium powder) was not included in this waste stream. Therefore, EPA hazardous waste number P015 is not assigned to the waste stream. Consequently, waste stream SR-MO-HOM-C is not assigned U- or P-Listed EPA hazardous waste numbers (References DR008, I045, P100, and U020).

8.4.3.6 Ignitables, Corrosives, and Reactives

Ignitability

The materials in waste stream SR-MD-HOM-C do not meet the definition of ignitability as defined in 40 CFR 261.21 (Reference 16). As shown in Table 8-3, Mound used ignitable liquids including alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene). However, the material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, incompatible materials that may cause the generation of heat, fire, or flammable gas are placed in separate containers and are not included in this waste stream (Reference P079).

According to procedure and in compliance with waste acceptance criteria, containers are drained before disposal and packaged with absorbent material (References P041, P065, P078, and P105). RTR and/or VE are performed by CCP to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted.

According to procedure and in compliance with waste acceptance criteria, inner containers are vented prior to disposal in TRU waste (References I010, P041, P065,

P078, and P105). RTR and/or VE are performed by CCP to ensure the absence of ignitable compressed gases. Any container identified with unpunctured aerosol cans or compressed gas cylinders will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until the cans are either punctured or removed from the waste stream.

Pyrophorics have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of pyrophorics in TRU waste (References C003, I010, P041, P065, P078, and P105). Pyrophoric materials were not typically handled in areas where TRU waste was generated (Reference P065). Waste stream SR-MD-HOM-C is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-HOM-C do not meet the definition of corrosivity as defined in 40 CFR 261.22 (Reference 16). As shown in Table 8-3, Mound used acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide). According to procedure and in compliance with waste acceptance criteria, containers are drained before disposal and liquids are neutralized and packaged with absorbent material (References P041, P065, P078, and P105). RTR and/or VE are performed by CCP to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-HOM-C is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-HOM-C do not meet the definition of reactivity as defined in 40 CFR 261.23 (Reference 16). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain cyanides or sulfides. The materials are not capable of detonation or explosive reaction. Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, and P105). Waste stream SR-MD-HOM-C is therefore not reactive (D003).

8.4.3.7 Polychlorinated Biphenyls

No sources of PCBs were identified as inputs into this waste stream (References I045, P100, and U020). CCP certified solid sampling identified PCBs in this waste stream; however, the total concentration of PCBs was less than 50 parts per million. Therefore, the materials in waste stream SR-MD-HOM-C are not regulated as a TSCA waste under 40 CFR 761 (Reference 17).

8.4.4 Prohibited Items

Prohibited items have not been specifically identified in this waste stream. However, the presence of liquids due to dewatering is possible. Therefore, containers with prohibited waste items identified during RTR and/or VE will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

8.5 Waste Packaging

Waste stream SR-MD-HOM-C includes waste packaged in 55-gallon drums. The 55-gallon drums are DOT 7A, Type A metal drums. One of the drums has a 50-gallon steel liner with two large holes in the lid. The steel liner served as a knock-out trap (i.e., steel vacuum filter used to remove material) during the scouring and vacuuming of the red and yellow process drain lines. The other drums do not have liners. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon drum). The 55-gallon drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid (References P124, P125, P126, P127, P128, and U020).

8.5.1 Filter Vents

Per SRS procedures, all payload containers shall be vented with approved filter vents (e.g., NucFil-013) prior to disposal. Filter vents shall be installed in accordance with the manufacturer's instructions (References P050, P120, P121, and U020).

8.5.2 Layers of Confinement

According to the TWCC forms, two of these drums have one layer of confinement. The drum that contains the sump debris has four layers of confinement (Reference U020).

9.0 CONTAINER SPECIFIC INFORMATION

TRU Waste Input forms (Form 7042B) or Radioactive Waste Input Forms (Form ML-7042X) were used by Mound generators. These forms are not available for all of the Mound TRU waste at SRS, and some of the forms do not contain complete information. Types of information provided on Form 7042B include (References I048, P041, and U001):

- Unit ID (container number)
- Fill date, liner seal date, and drum/box seal date
- Create location (building and room)
- General waste description (e.g., absorbed liquids, hood line trash)
- Material type code (refer to Section 4.5.2)
- Isotope and activity

The Radioactive Waste Input Forms Form ML-7042X is a newer form but includes much of the same information including (Reference U001):

- Shipping Container ID #
- Waste Type (low-level, TRU, or mixed)
- Container Type
- General waste description (e.g., soil and 40 pounds of clay absorbent)
- Container volume and container tare, gross, and net weights
- Radionuclides, Curies, and nCi/g
- Container Closed Date
- Source (Building/Room)

Based on information provided by Mound, SRS completed a TWCC form (OSR 29-90) for each container. This form includes the following information (Reference U001):

- Container number
- Container type
- Date generated
- Layers of confinement
- Container weights (gross, net, and tare)
- Waste material parameter weights
- EPA hazardous waste numbers
- Radiological data (isotope activities and/or masses, Pu-239 Fissile Gram Equivalents (FGE), Pu-239 Equivalent Curies (PE-Ci), total activity, TRU alpha activity, and heat load)
- Vent data (type, model, and serial number)

When available, Form 7042B or Form ML-7042X was attached to the new TWCC form from SRS for each waste container. It should be noted that the container number on Form 7042B and ML-7042X is different from the TWCC form because SRS assigned a new unique container number (Reference M059). These forms are compiled as AK source documents (Reference U001). Information from the TWCC forms is also included in the SRS TRU Waste Characterization database (Reference I092).

Information from the TWCC form relevant to the TRU waste characteristics of each waste container is traceable to its respective container through the Container ID Number and has been compiled into an AK Container List which is maintained as a quality record as required by procedure CCP-TP-005 (Reference 1).

10.0 REFERENCES

1. CCP-TP-005, *CCP Acceptable Knowledge Documentation*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

2. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan,* New Mexico Environment Department, Santa Fe, New Mexico

3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

4. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, Idaho Falls, Idaho, INEL-Lockheed Idaho Technologies

5. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. Department of Energy

6. *Interim Guidance on Ensuring that Waste Qualifies for Disposal at the Waste Isolation Pilot Plant*, U.S. DOE Carlsbad, 1997

7. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (as amended)

8. 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982*

9. CCP-PO-002, *CCP Transuranic Waste Certification Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

10. CCP-AK-SRS-1, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site, Waste Stream: SR-W027-221F-HET-A*

11. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

12. McCoy and Associates, Inc. 2002. *McCoy's RCRA Unraveled.* Second Edition

13. CCP-AK-SRS-6, *Central Characterization Project Acceptable Knowledge Summary Report For Savannah River Site Waste Streams: SR-W027-235F-HET,* SR-W027-235F-HOM, SR-W027-235F-HEPA

14. DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report-2011*

15. DOE Order 435.1, *Radioactive Waste Management,* U.S. DOE, Environmental Management

16. 40 CFR Part 261, *Identification and Listing of Hazardous Waste*, U.S. EPA

17. 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions*, U.S. EPA

18. CCP-AK-SRS-9, *Central Characterization Project Acceptable Knowledge Summary Report For Mound Site Transuranic Waste in Retrievable Storage at the Savannah River Site Waste Stream: SR-MD-PAD1*

AK Source Documents

Source Document Number	Title
C003	Interview with Bill Franz
C005	Interview/Dan Hopkins
C006	Interview/Dick Blauvelt
C007	Interview with Dr. Bernie Kokenge
C008	Interview with Toby Elswick
C009	Interview with Paul Figgins
C010	Interview/Clyde Chong
C011	Interview/Ron Goss
C012	Interview/Bill Davis
C013	Interview/Al Combs
C016	Interview/Ron Saun
C019	Interview/Mike Deaton
C020	Record of Communication Don Luthey
C022	Justification for Pu-238 Programs
C024	List of different types of containers
C040	E-mails from C. Sienkiewicz to J. Harrison, Re: Mound Soil and Soil Packaging Questions
C041	Rockwell International Letter from J. K. Paynter to B. C. Barrett. Subject: Radionuclide Information Required For TRUPACT II Shipments
C042	Letters to Thomas L. Clements, EG&G Idaho from R.N. Rogers, LANL, Re: Reactivity of Resins (nitrated)
C043	Email from Jeff Harrison to Felicia Hinojos re: SRS-8 Freeze File – SR-MD-SOIL Layers of Confinement
C044	E-mail to Mike Papp: Subject Packaging Procedures: Repackaging plans for TRU waste described in CCP-AK-SRS-8
C046	Reconciliation of Waste Containers List for Waste Streams SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL
DR001	Discrepancy Resolution: Heterogeneous Debris
DR002	Discrepancy Resolution for Soils/Debris
DR003	Discrepancy Resolution: Inorganic Absorbents
DR005	Discrepancy Resolution. Radionuclides in Mound Waste Streams
DR006	Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET.
DR007	Discrepancy Resolution. Drums in Waste Stream SR-MD-SOIL Containing Residual Liquids.

Source Document Number	Title
DR008	Discrepancy Resolution with EPA Codes for Waste Stream SR-MD-HOM-C.
DR009	Acceptable Knowledge Source Document Discrepancy Resolution. MDL021377 Compacted Waste.
DR010	Acceptable Knowledge Source Document Discrepancy Resolution. Drums Not S5000.
DR015	Acceptable Knowledge Source Document Discrepancy Resolution Reassignment of Predominant Radionuclides for SR-MD-SOIL
DR017	Acceptable Knowledge Source Document Discrepancy Resolution - Waste Stream SR-MD-HOM-C Radiological Characterization
I001	Transuranic Waste Baseline Inventory Report 1995
I003	Milliwatt Surveillance Program Ensures RTG Safety and Reliability. The Actinide Research Quarterly.
I005	Waste Exam Log for RTR Tapes
I007	O.U.9 Site Scoping Report
I008	Drum Container Tables
I010	TRAMPAC Requirement Matrix by Drum
I011	EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code
I017	List of Drums /Date/Source/Operation/Misc./By
I018	Draft Mound Compliance with TRUPACT II
I019	Waste Characterization Services Report
I020	Spreadsheets of Waste from SRS Bill Nauman and Glen Siry
I021	Completion of Mound "Newly Generated Waste" TRU Waste Certification Program Evaluation
I023	Criticality Safety Evaluation for Mound RTG Storage DRAFT
I026	Predecisional Draft for the Semi- Works/Research (SW/R) Tritium Complex
I028	CERCLIS Memo
I030	Mound Lab Annual Report
I031	Plutonium Working Group Report on Environmental, Safety and Health Vulnerabilities Associated with the Departments Plutonium Storage Vol.2-App.B-Part 7
I032	Mound Heat Source
I033	Investigation Report No.74-13 Plutonium Off-site
I036	Mound Laboratory
I039	Transportation/Communication Plan 11/28/00 TRU Waste Shipment to SRS.
I042	Transmittal of Mound Waste Box Evaluation
I043	Mound Laboratory Fact Book
I044	Pu-238 Fuel Data Sheets
I045	TRU Waste Certification Task Sludge From the Waste Disposal Plant

Source Document Number	Title
I048	Regulatory Requirements Associated with Transfer of Mound's Transuranic Waste to Another DOE Site
I050	Support to DOE Mound- Building 38 Safety Analysis Report (SAR) and Technical Requirements (TSRs)
I057	R. M. Munson Memo to R.A. Neff of 2-1-85/Ohio EPA Proposed Law Suit
I063	On Site Handling, Repackaging, and Transportation of Nuclear Materials Located In SW-19 and R-127 (UCNI)
I066	Mound Transuranic Waste Feasibility Study
I067	Verification Methods Matrix
I070	Mound Site TRU Waste Data Preliminary TRUPACT II Transportation Compliance Evaluation
I072	1 S SRS Waste Acceptance Criteria Manual
I074	Container Approval Requests and Deviations for Shipments
I081	Material Type Codes
I082	Tables of TRU waste packages
I083	A-Line gloveboxes - Summary of characterization data
I084	Waste Category - TRU Boxes
I086	TRU Waste Box 558
I090	Operable Unit 9, Site Scoping Report: Volume 7 – Waste Management
I092	Go West Data Base From SRS
M001	Mound Site [Miamisburg] - United States Nuclear Forces Web Site- www.globalsecurity.org/wmd/facility/mound.htm
M002	Chemical Compatibility and Material List Data Requirements for TRUPACTII Authorized Payload Compliance Plan
M003	TRUPACT-II Shipment of Mound Pu-239 Material
M004	"Summary Report on Mound Boxes," E-mail to KellyCR@wipp.carlsbad.nm.us [Clint Kelley]
M006	Memo From DOE Ohio Field Office to EPA-Mr. Tony Martig, Re: PCBs in Oil
M012	Facsimile Transmittal to Glenn Siry, Re: Mound Facility-Background Volume STP FY00 Update
M014	Interview Notes
M015	Letter to R. L Wainwright, Area Manager, U. S. AEC, Re: Program to Reduce the Generation of Transuranium (TRU) Contaminated Solid Waste
M016	Letter to J.L. Hebb, Re: Status of Pu Waste and TRU Implementation
M017	E-mail to HERTFR@doe-md.gov, Re: Emailing: space-desc [Office of Space and Defense Power System]

Source Document Number	Title
M018	Letter to W.W. Hickman, Waste Management Manager, Aerojet Nuclear Co., Re: Shipment of Mound Laboratory's TRU Waste to the NRTS for Retrievable Storage
M025	Notes from a draft document [title not given]
M027	Mound Laboratory-Classified Document, Summary ADC Unclassified 4/1/03, Defense Processes at Mound
M029	Memo to W.P. Davis and T.C. Elswick, Re: SAND Boxes
M031	List of sources of TRU waste from Main-Hill Tritium (MHT) project
M034	Memo on 3 subjects 1) Use of Insta-Foam Froth Pak, 2) Equipment Removal, 3) Use of the Cardboard Liner in the FRP Box
M036	Specification Drum 55 gal. DOT-17C
M037	Change Notice of Offsite Packaging Criteria (IDO-10074) for Revised Metal Container Painting Requirements-RHB-263-81
M038	Specification- Drum 30 gal. DOT-17H, WMP-572005
M039	Specification-Container, Waste: DOT 7A Steel Box (MIII Bin), WMP-572010
M040	Letter to D.A. Edling, Re: "Idaho TRU Waste Criteria" with attached Letter to H.N. Hill and D. Ofte, Area Manages, DOE Dayton and Rocky Flat Area Offices, Re: "Revision of the Off-Site Packaging Criteria for Receipt of TRU Waste at the INEL RWMC
M041	Letter to R. K. Blauvelt, Re: "Change Notice of Offsite Packaging Criteria Report IDO-10074-RMS-61-81" and attached "Specification Sponge Rubber Gasket DOT 17C 55-Gallon Drum"
M042	Current Scope of Activities at Mound (a presentation)
M043	Letter to B.G. Twinning, Manager, AL, Re: Mound TRU Waste Shipments to INEL
M044	E-mail to DOE_OH.MOUND.ChurchRonald, Re: Process Knowledge for Old SD Project
M052	E-mail to COLVRL, Re: Contaminated Precious Metals
M054	Letter to J.P. Hamric, Director, Nuclear Fuel Cycle Div. ID, Re: Packaging Criteria for TRU Waste Shipments to INEL
M055	Memorandum to D. Agnew, et. al., Re: WTS Line Removal Problems/Suggestions
M059	Mound MDL Numbers
M060	Request for Deviation to SRS Waste Acceptance Criteria Manual
M061	Sample and Analysis Plan-West Asphalt (SM/PP Hill) and Additional Documentation (See Document Summary for Additional Documentation Titles)
M062	R and SW Buildings Sampling & Analysis Plan, and Additional Documentation (See Document Summary for Additional Document Titles)
M063	Straight Bill of Lading. Shipper: U.S. DOE, c/o CH2M Hill Mound, Inc.
M064	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL

Source Document Number	Title
M065	Evaluation of Additional Containers for SRS-8 Waste Stream SR-MD-HET (Mound)
M076	Waste Stream Profile Form for IN-W174.1082, IN-W174.154, IN-W177.1083, IN-W177.156
M077	NDA Weight Percent Data Through Lot 3, SR-MD-SOIL
M078	Mound Radiological Data Dump from the SRS GoWest Database dated 07/08/2005
M079	Radiological Re-evaluation Data Analysis for SR-MD-SOIL
M080	Discrepancy Report D047A - Assessment Of Hazardous Waste Numbers Assigned To BN304 Waste Stream Profile, Mound Debris Stream
P001	Alpha Fuels Environmental Test Facility (Day 59)
P013	Assessment of the AWC TRU Clean Process for use on Mound Soils and Sediments
P015	Tools for Decontamination and Decommissioning of Nuclear Facilities
P016	Mound's Decommissioning Experience, Tooling, and Techniques
P017	The Mound Site Survey Project for the Characterization of Radioactive Materials in the Site Soils
P018	Reinvestigation of the January 1969 Plutonium-238 Waste Transfer Line Break
P020	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste
P021	Separation and Purification of Radioisotopes for Research
P023	Mound Facility Physical Characterization
P027	EG&G Mound Building 38 Accident Analysis of Internal (Operational) Events (Results and Findings)
P028	Mound Building 38 FSAR: Pu-239 Repackaging, Phase 1
P029	Building 50 Radioisotopic Thermoelectric Generator Assembly and Testing Facility Final Safety Analysis Report
P030	SW/R Complex Basis for Interim Operations
P034	Estimated Discard Limits for Plutonium-238 Recovery Processing in the Plutonium Processing Building
P036	Hazard Evaluation of the Special Metallurgical (SM) Building at Mound Laboratory
P037	Building WDA, Room 10 Glovebox Removal Wall Removal, Characterization, and Cleanup
P040	Executive Summary of TRU Waste at Mound
P041	Technical Manual. TRU Waste Management.
P044	FSAR Building 38 *******UCNI*******
P045	Waste Disposal Facility Auditable Safety Analysis
P048	Vent TRU Drums in CWPF
P049	TRU Drum Venting Fact Sheet and TRU Drum Venting System Pre-Operational Process Hazards Review

Source Document Number	Title
P050	TRU Waste Drum Venting and Purging System
P051	The Use of Urethane Foam in the Decontamination and Decommissioning of Nuclear Facilities
P053	Ten Year Plan for Decontamination and Decommissioning for Mound
P054	Mound Site Radionuclides by Location Issue 1-3
P055	A Summary Review of Mound Laboratories Experience in D&D of Radioactive Facilities
P056	Decontamination and Decommissioning Projects Findings of No Significant Impact
P057	D&D Operations Procedures
P058	Mound Site Waste Management Reports and Site Plans 1977-1980
P061	Siting Criteria Document
P063	Mound Site Waste Management Reports and Site Plans 1972 to 1976
P064	Mound Site Waste Management Reports and Site Plans 1981 to 1989
P065	Mound WIPP Certification Program for Newly Generated Contact Handled (CH) Transuranic Waste
P066	Maps Site Plans
P067	Revised U-233 Re-Pack Project
P070	Mound Laboratory Annual Report CY 1974
P072	Final Safety Analysis Report for the SW/R Tritium Complex
P073	On Site Transportation and Handling of Radioactive and Hazardous Materials
P076	USERS Handbook: Waste Accountability Shipping and Packaging (issue 14 is inactive).
P078	Mound Plant Waste Acceptance Criteria
P079	Management of Hazardous Waste, Radioactive Mixed Waste, Trash and Recyclable Metals.
P081	Approved Site Treatment Plan for Mixed Wastes at the Mound Facility
P086	Mound Laboratory Environmental Plutonium Study
P095	List and directory of chemicals and MSDS sheets
P096	1996 and 1998 Chemical Inventory and 1991 Carcinogen list.
P097	An Early History of U.S. Radioisotope Thermoelectric Generators
P098	Verification Reports
P099	WD Soil Removal Project
P100	Mound Quality Control Plan for the Control of Radioactive Waste
P105	Revision of the Off-Site Packaging Criteria for Receipt of Transuranic Waste at the INEL RWMC
P109	US Department of Transportation Exemption for the ATMX Railcar.

Source Document Number	Title
P111	Site Treatment Plan for the Mixed Wastes at the Mound Facility Miamisburg, Ohio, Background and Plan Volumes
P115	1st 8 Shipments of Uniform Hazardous Waste Manifest
P116	Nuclear Power in Space
P117	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Boxes
P120	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Drums
P121	SRS Waste Acceptance Criteria Manual, 1S, E-Area TRU Pads Transuranic Waste Acceptance Criteria
P122	Acceptable Knowledge Summary for Solidified Acid/Caustic Waste (BN835)
P123	Acceptable Knowledge Document for INL Stored Transuranic Waste – Mound Plant Waste
P124	Absorbing Containerized Liquids
P125	Shipment Preparation for TRU Containers to SWMF
P126	Absorbing Containerized Liquids
P127	Transuranic (TRU) Waste Repackaging in H-Canyon
P128	F Canyon Container Transfer
P129	Standard Waste Box Operations
U001	2990 Information on Shipments to SRS
U002	Trash Categories/Content Codes and Waste Categories
U003	List of Chemicals and Materials in TRU Waste Content Codes
U007	Content Code Assessments for INEL Contact Handled Stored TRU Waste
U015	Memorandum to E.L. Albenesius, Re: Description of Mound and LASL Sold ^{238}Pu Waste Stored at SRP
U018	UGL Action Memo-Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building
U019	Waste Management Instruction-Packaging of Highly Contaminated Soil from PRS 438
U020	2990 Information for Additional Containers

Figure 1. Mound and Surrounding Ohio Area

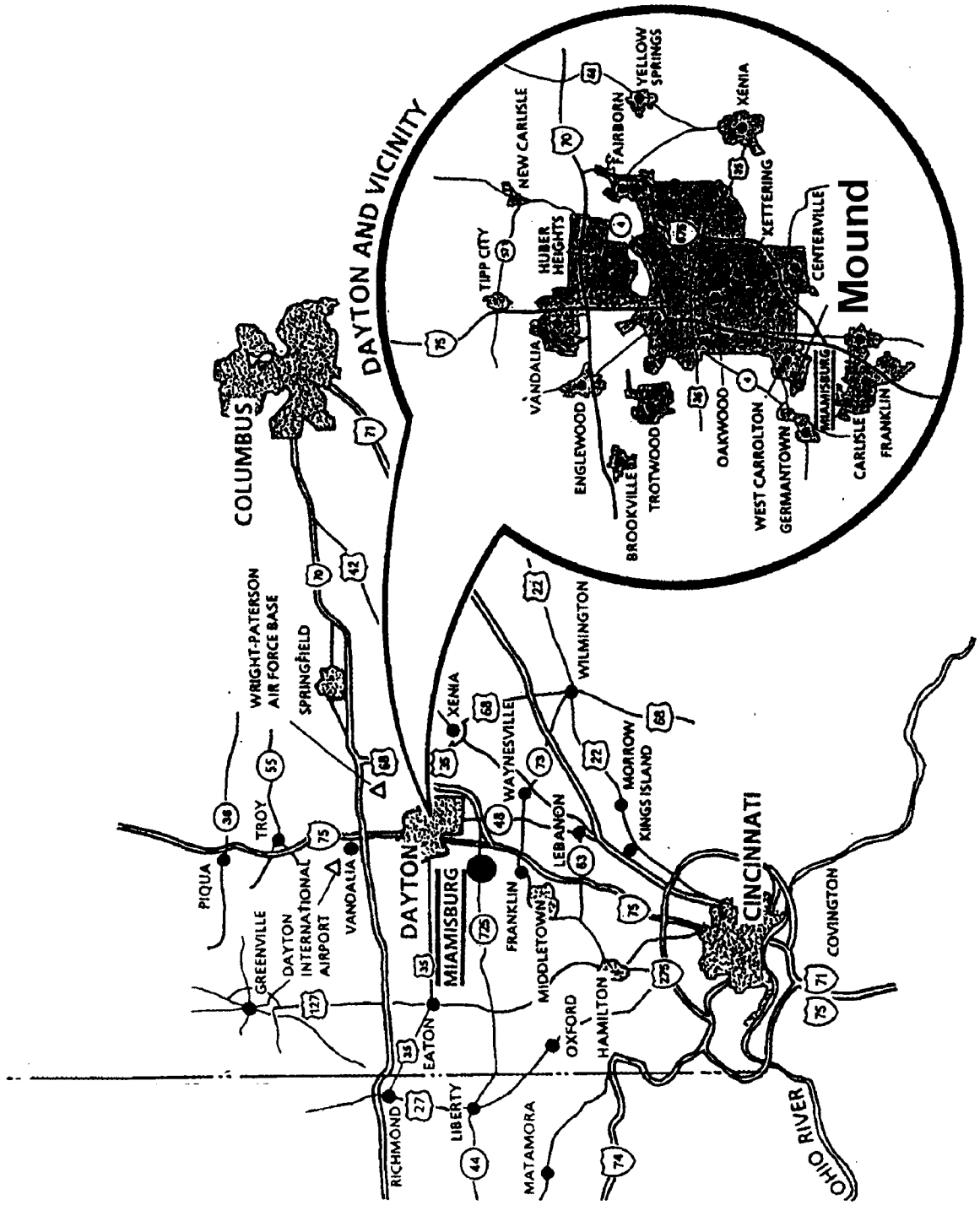


Figure 2. Savannah River Site

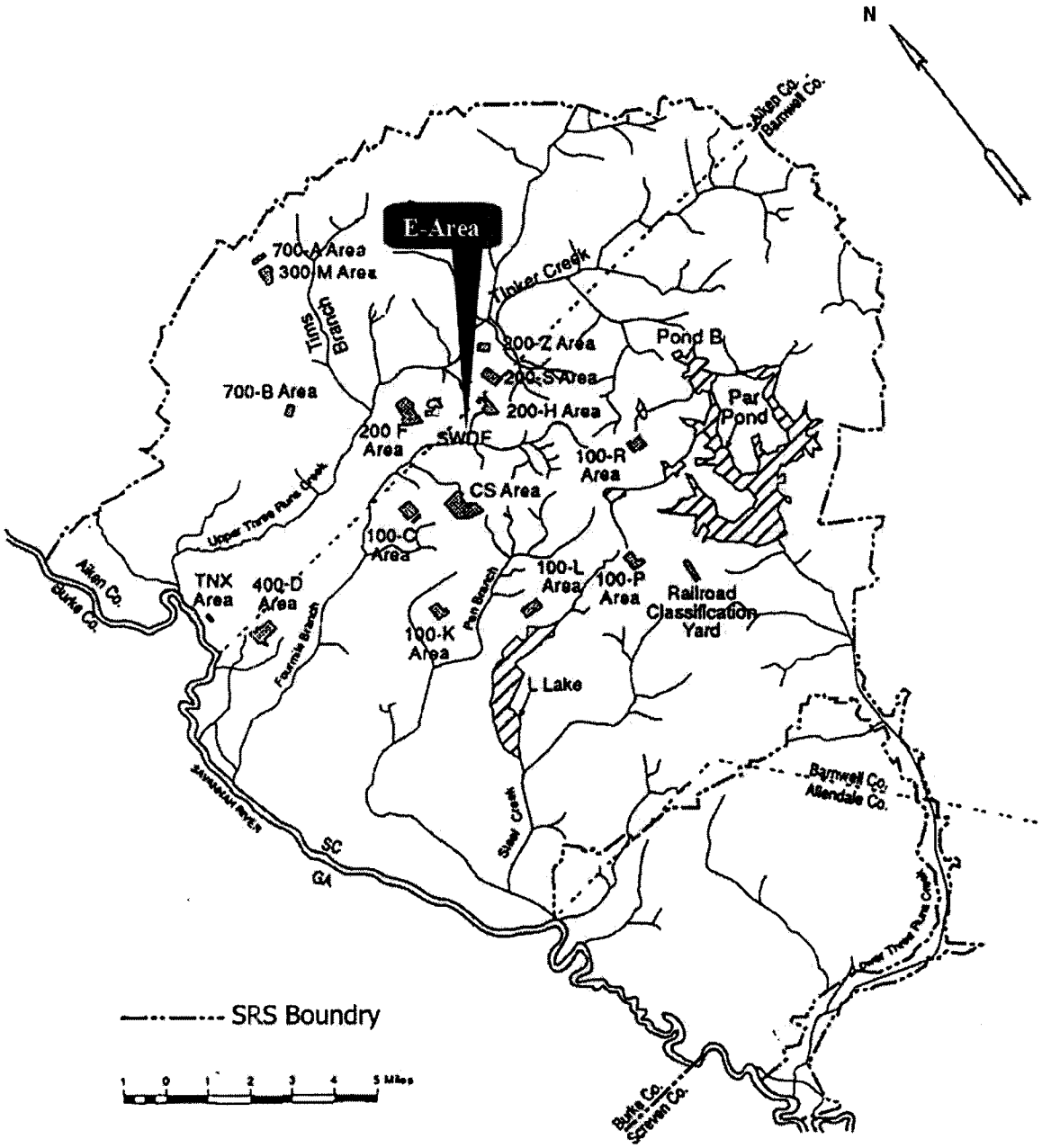


Figure 3. Photograph of Mound

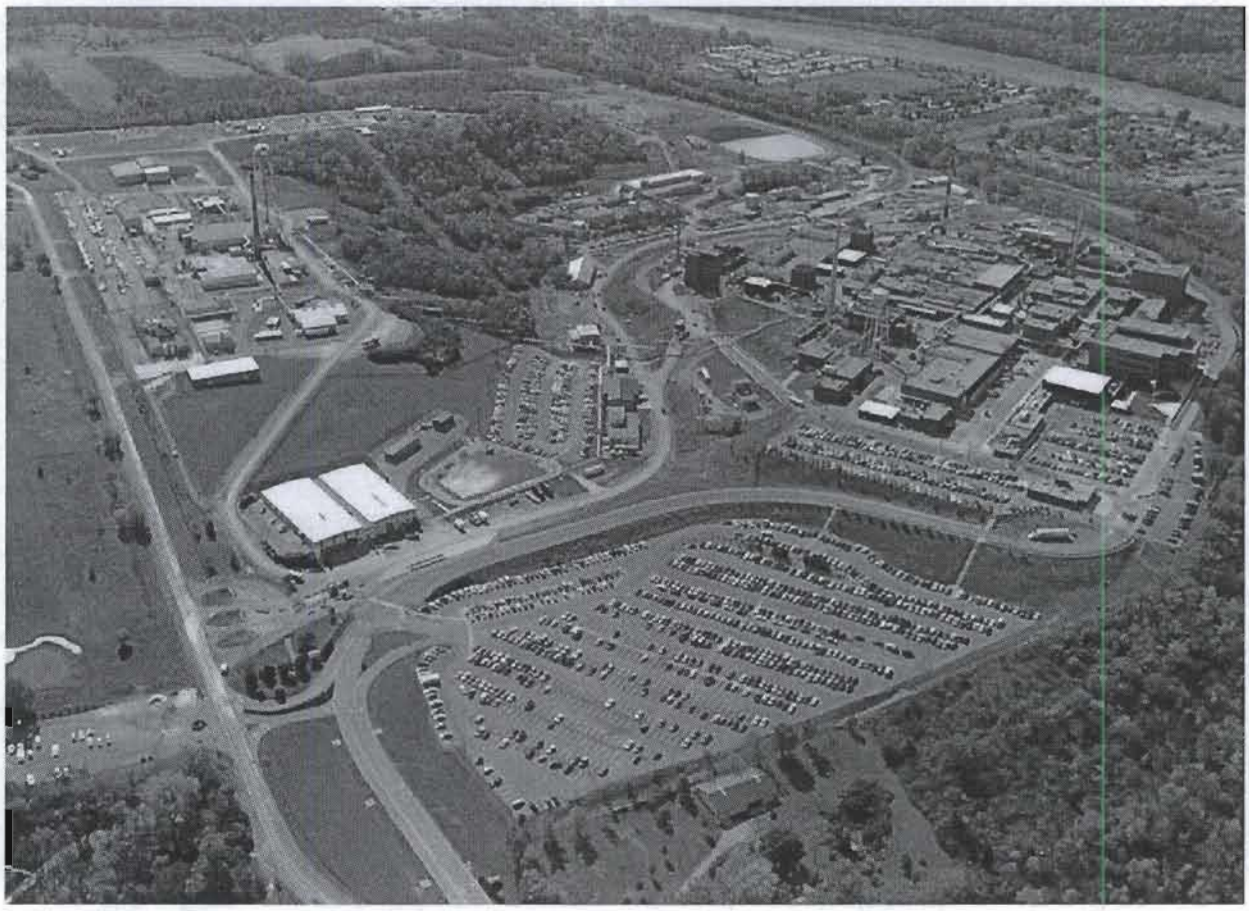


Figure 4. Mound TRU Waste Generating Facilities

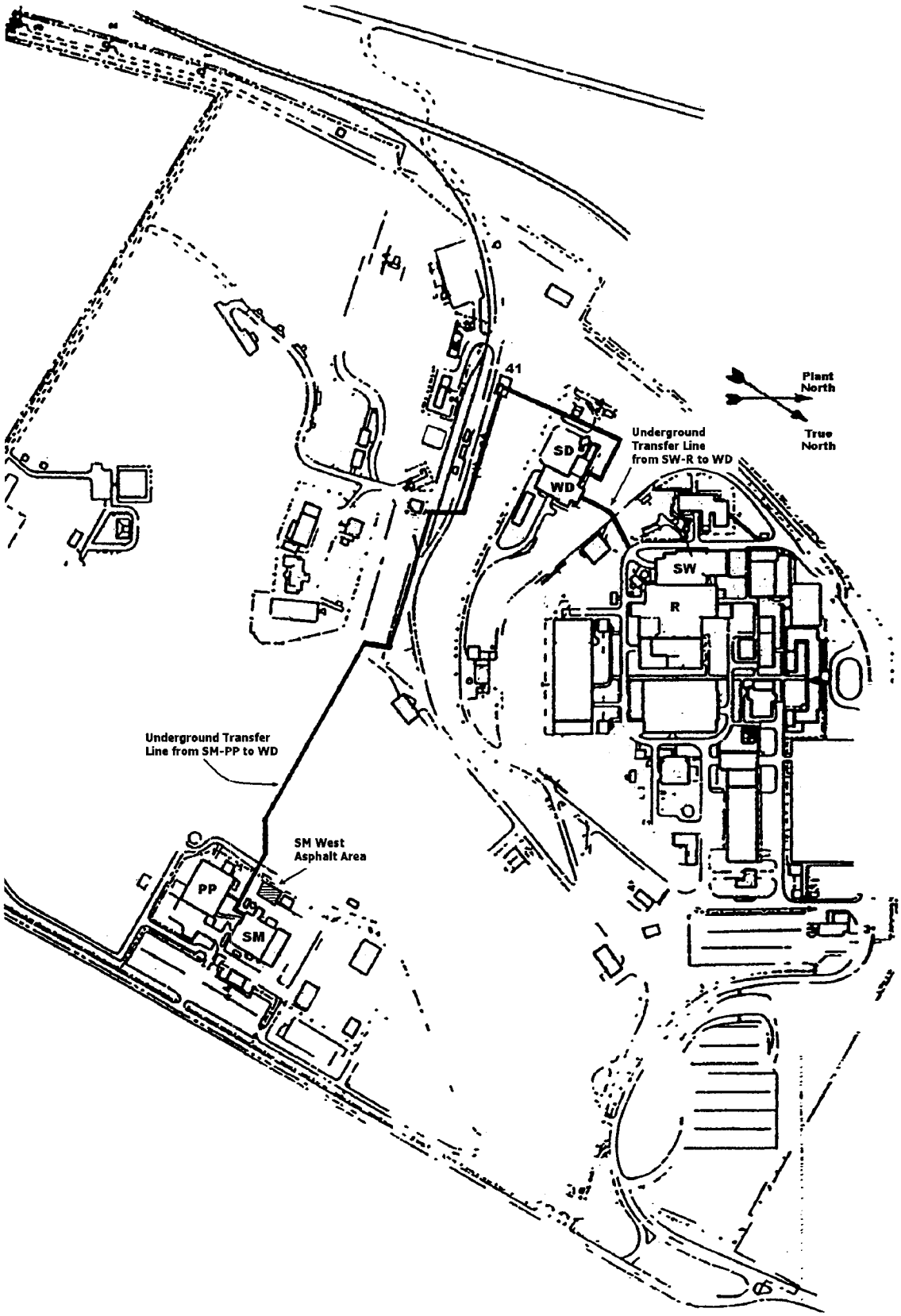
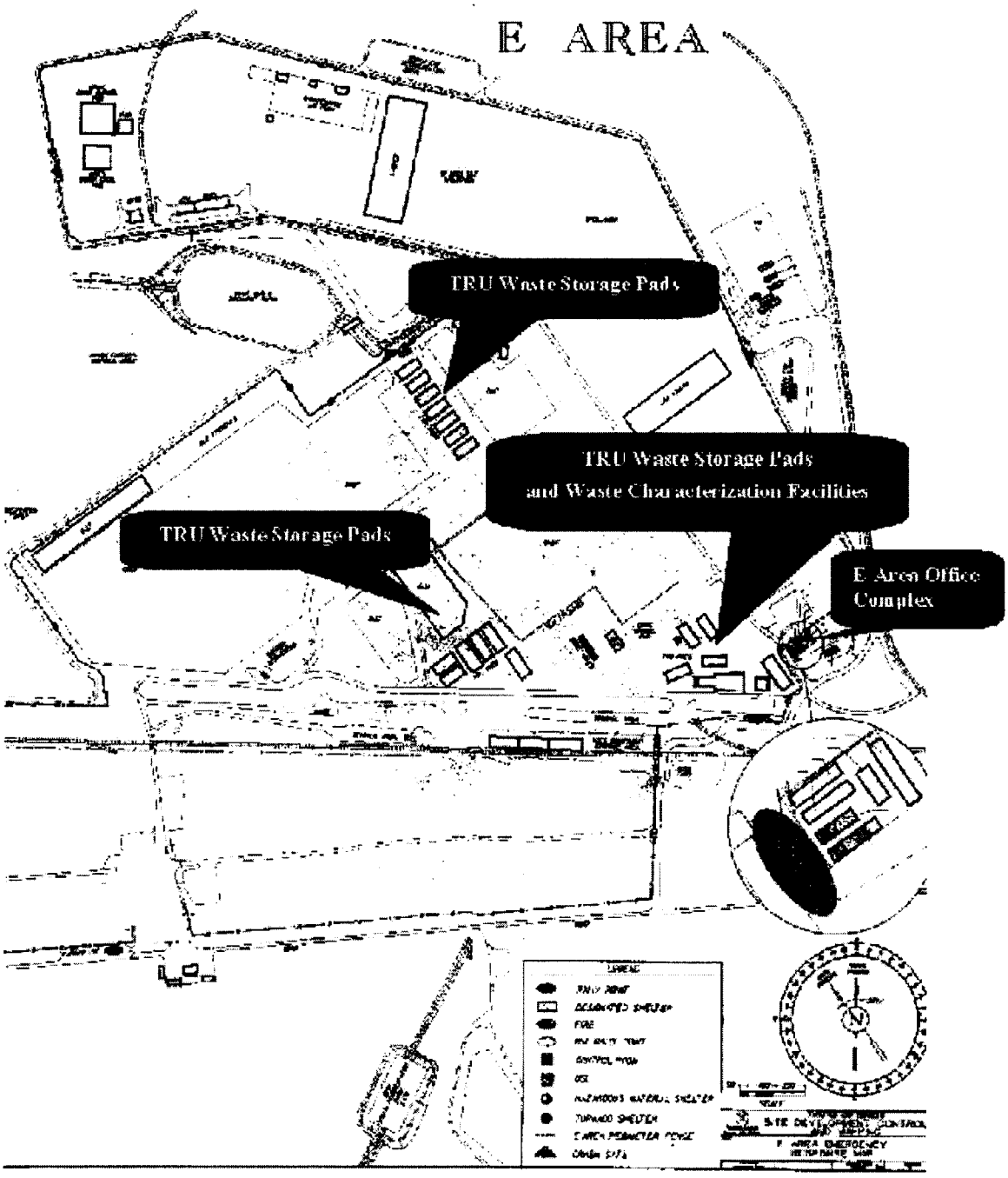


Figure 5. Savannah River Site E-Area



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AK4

CCP-AK-SRS-630

Central Characterization Program
Acceptable Knowledge Summary Report
For

Savannah River Site
Physics Laboratory Sealed Sources

Waste Stream:
SR-RH-SDD.01

Revision 1

September 26, 2013

Irene Joo

Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	07/11/2013	Initial issue.
1	09/26/2013	Revised to include 15 pound wood bracing incorporated into the packaging configuration of the three containers in this waste stream and adjust the physical waste descriptions (e.g., Waste Matrix Code assignment and waste material parameter weight estimates) to account for this change.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 6
2.0 WASTE STREAM IDENTIFICATION SUMMARY 8
3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 10
4.0 REQUIRED PROGRAM INFORMATION 11
4.1 Facility Location 11
4.2 Facility Description 11
4.3 Mission 11
4.4 Defense Waste Assessment 12
4.5 High-Level Waste and Spent Nuclear Fuel Assessment 12
4.6 TRU Waste Management 13
4.6.1 Types and Quantity of TRU Waste Generated 13
4.6.2 Correlation of Waste Streams Generated from the Same Building and Process 13
4.6.3 Waste Stream Identification, Categorization, and Delineation 14
4.7 Description of Waste Generating Process 14
4.8 Waste Certification Procedures 16
5.0 REQUIRED WASTE STREAM INFORMATION 17
5.1 Area and Building of Generation 17
5.2 Waste Stream Volume and Period of Generation 17
5.3 Waste Generating Activities 17
5.4 Type of Wastes Generated 17
5.4.1 Materials Related to Physical Form 18
5.4.1.1 Waste Matrix Code 18
5.4.1.2 Waste Material Parameters 18
5.4.2 Radiological Characterization 19
5.4.3 Chemical Content Identification – Hazardous Constituents 21
5.4.3.1 F-Listed Constituents 21
5.4.3.2 Toxicity Characteristic Constituents 22
5.4.3.3 U- and P- Listed Constituents 22
5.4.3.4 K-Listed Constituents 22
5.4.3.5 Ignitables, Corrosives, and Reactives 22
5.4.4 Polychorinated Biphenyl's (PCBs) 24
5.4.5 Prohibited Items 24
5.5 Waste Packaging 24
6.0 QUALIFICATION OF AK INFORMATION 26
7.0 CONTAINER SPECIFIC INFORMATION 28
8.0 REFERENCES 29
9.0 AK SOURCE DOCUMENTS 31

LIST OF TABLES

Table 1. Waste Stream SR-RH-SDD.01 Volume 17
Table 2. Waste Stream SR-RH-SDD.01 Waste Material Parameter Estimates 19
Table 3. Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01 20
Table 4. Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01 21
Table 5. Waste Stream SR-RH-SDD.01 DQO Determination Summary 26

LIST OF FIGURES

Figure 1. SRS Location 32
Figure 2. Location of the Physics Laboratory at SRS 33

LIST OF ACRONYMS AND ABBREVIATIONS

AK	acceptable knowledge
ATWIR	*Annual Transuranic Waste Inventory Report*
CCP	Central Characterization Program
CFR	Code of Federal Regulations
CH	contact-handled
DOE	U.S. Department of Energy
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
HWN	Hazardous Waste Number
LWA	*Waste Isolation Pilot Plant Land Withdrawal Act*
NWPA	*Nuclear Waste Policy Act of 1982*
OSRP	Off-Site Source Recovery Project
PCBs	polychlorinated biphenyls
POC	pipe overpack component
QA	quality assurance
QAO	quality assurance objective
RCRA	Resource Conservation and Recovery Act
RH	remote-handled
SFC	Special Form Capsule
SRS	Savannah River Site
TRU	transuranic
RH-TRUCON	Remote-Handled TRUPACT-II Content Code
VE	visual examination
WCPIP	*Remote-Handled TRU Waste Characterization Program Implementation Plan*
WIPP	Waste Isolation Pilot Plant
WIPP-WAC	*Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant Waste Acceptance Criteria*
WIPP-WAP	*Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*
WMP	waste material parameter

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) Summary Report has been prepared for the Central Characterization Program (CCP) for remote-handled (RH) transuranic (TRU) waste generated at the Savannah River Site (SRS). This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), to implement the AK requirements of DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) (Reference 2); *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 3); and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 4).

The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 5). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 6). Additionally, this report provides the AK information required by CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)* (Reference 7).

The CCP is tasked with certification of TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP). This report was developed in accordance with CCP-TP-005 (Reference 3), which describes how AK is collected, reviewed, and managed by the CCP. The CCP is responsible for collection, review, and management of AK documentation in accordance with CCP-TP-005, and reviews and approves this AK Summary Report. CCP maintains responsibility for this AK Summary Report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the "historical source documents" as non-QA records.

This report has been prepared by CCP for RH TRU waste generated at the U.S. Department of Energy (DOE) SRS site in Aiken, South Carolina. The waste stream described in this report consists of three sealed plutonium-beryllium neutron sources generated at the Physics Laboratory (also known as the Physics Assembly Laboratory) in Building 777-10A.

This AK Summary Report, along with referenced supporting documents, provides a defensible and auditable record of AK for waste stream SR-RH-SDD.01. The references and AK sources used to prepare this report are listed in Sections 8.0 and 9.0, respectively. The AK source documents cited throughout this report are identified by alphanumeric designations corresponding to a unique Source Document Tracking Number (i.e., C001, DR001, P001, and U001).

This AK Summary Report includes information relating to the facility's history, mission, process operations, waste identification, characterization, and waste management practices. This report also includes information regarding the physical form, radiological

characteristics, and chemical contaminants of the waste, as well as prohibited items and packaging configuration. Information contained in this report was obtained from sources, including source manufacturer documentation and specifications, historical facility documentation, waste records and documents, and characterization documentation.

This report and supporting source documentation provide the mandatory waste program and waste stream-specific information required by the WIPP-WAP (Reference 3). This report also compiles data relevant to the applicable U.S. Environmental Protection Agency (EPA) requirements and presents the documentation necessary to satisfy each WCPIP data quality objective (DQO) and quality assurance objective (QAO) for RH TRU waste streams (Reference 2).

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored:

Savannah River Site
Post Office Box 616
Aiken, South Carolina, 29802
U.S. Environmental Protection Agency (EPA) Identification Number: SC1890008989

Facility Where TRU Waste Was Generated:

Building 777-10A (previously named Building 777-M) Physics Laboratory

Facility Mission:

The mission of the Building 777-10A Physics Laboratory was to house experimental research reactors used to support the development of the technology used during the production of nuclear materials (tritium and plutonium) by the SRS production reactors (refer to Sections 4.3 and 4.7).

Waste Stream Number:	SR-RH-SDD.01
Summary Category Group:	S5000
Waste Matrix Code Group :	Heterogeneous Debris
Waste Matrix Code:	S5400 – Heterogeneous Debris
RH TRU Waste Content Code (RH-TRUCON):	SR 320
Annual Transuranic Waste Inventory Report Identification (ATWIR) Numbers: (Reference 8)	SR-RH-SDD.01

Waste Stream Description:

Waste stream SR-RH-SDD.01 is comprised exclusively of three plutonium-beryllium neutron sources each packaged in a stainless steel Special Form Capsule (SFC) stabilized in 15- and 16-gallon drums with wood bracing. The plutonium-beryllium source material in each source is contained in a sealed inner stainless steel capsule inside an outer sealed stainless steel capsule inside an aluminum sleeve/holder (refer to Section 5.4.1).

The neutron sources in the waste stream were manufactured with plutonium oxide. The estimated amounts (by weight) of the primary radionuclides in the waste stream include

Am-241 (4.65%), Pu-238 (13.97%), Pu-239 (60.78%), Pu-240 (10.96%), Pu-241 (1.00%), Pu-242 (3.83%), and U-234 (4.62%). The sources contain lesser amounts of U-233, U-238, Cs-237, Sr-90, Pa-233, and U-237 (refer to Section 5.4.2).

Waste stream SR-RH-SDD.01 was determined to be a non-hazardous waste that does not contain Resource Conservation and Recovery Act (RCRA)-regulated constituents or exhibit a characteristic of hazardous waste and is not assigned an EPA hazardous waste number (HWN) (refer to Section 5.4.3).

Based on a review of the manufacturers and AK documentation, waste stream SR-RH-SDD.01 does not contain prohibited items, including: compressed gases, liquids, non-radionuclide pyrophorics, sealed containers greater than four liters, or explosives. VE of records and VE during repackaging will be performed to ensure prohibited materials are not introduced into the waste drums (refer to Section 5.4.5).

The sources in SFCs in waste stream SR-RH-SDD.01 will be packaged directly in two 15-gallon drums (neutron sources M044 and M045) and one 16-gallon drum (neutron source M029).

Waste stream SR-RH-SDD.01 meets the WIPP-WAP (Reference 3) and the WCPIP (Reference 2) waste stream definitions. The waste is similar in material, physical form, hazardous constituents (no hazardous constituents), and radiological properties (plutonium-beryllium neutron sources) and generated from a single process or activity (Physics Laboratory production reactor research).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. Development of knowledge of the waste materials and processes that generate and control the waste is required to provide a clear and convincing argument about the characteristics of each waste stream. The AK characterization documented herein complies with the requirements of the WIPP-WAP (Reference 3) and the WCPIP (Reference 2) and was developed in accordance with CCP-PO-001 (Reference 5) and CCP-TP-005 (Reference 1). The WCPIP identifies waste characterization requirements and methods to satisfy requirements in:

- 40 Code of Federal Regulations (CFR) Part 191, *Environmental Radiation Protection Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes* (Reference 9)
- 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR 191 Disposal Regulations* (Reference 10);
- *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision* (Reference 11); and
- Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (LWA) (Reference 12).

A majority of the AK sources used for development of this report were originally collected by the Off-Site Source Recovery Project (OSRP) during a 2002 campaign to remove eight sealed sources from SRS Buildings 773-A and 777-10A. Five of the eight sources were certified for disposal at WIPP by the OSRP in waste stream LA-OS-00-01.001 described in CCP-AK-LANL-008, *Central Characterization Program Acceptable Knowledge Summary Report for Los Alamos National Laboratory Off-Site Source Recovery Project Sealed Sources, Waste Streams: LA-OS-00-01.001, LA-OS-00-03, and LA-OS-00-04* (Reference 13). The remaining three sources were too large to be disposed of by the OSRP in a pipe overpack component (POC) and therefore will be disposed of as RH waste as described in this report.

The references and AK sources used to prepare this report are listed in Sections 8.0 and 9.0, respectively. The AK sources referenced within this report by alphanumeric designations (e.g., C001, DR001, P001, and U001) correspond to the Source Document Tracking Number using the following convention:

- C – Correspondence (e.g., interview notes)
- DR –Discrepancy Reports
- P – Published procedures and reports
- U – Unpublished documents

4.0 REQUIRED PROGRAM INFORMATION

This section presents the mandatory TRU waste program information required by the WIPP-WAP and the WCPIP for waste stream SR-RH-SDD.01 (References 2 and 3). This section provides a description of the facility and operation associated with the generation of the neutron sources used in the Building 777-10A Physics Laboratory. Included is a description of the facility, summary of the mission, defense determination, and descriptions of the operations associated with the generation of waste stream SR-RH-SDD.01.

4.1 Facility Location

SRS occupies portions of Aiken, Barnwell, and Allendale counties on the western border of South Carolina. SRS is located approximately 25 miles southeast of Augusta, Georgia. The Building 777-10A (previously known as Building 777-M) Physics Laboratory was located at the southwest end of the 300-M Area in the SRS A/M-Area at the northern edge of the plant. Figure 1, SRS Location, shows the geographic location of the site in South Carolina. Figure 2, Location of the Physics Laboratory at SRS, identifies the location of the Physics Laboratory in the A/M-Area at the site (References P001 and P002).

4.2 Facility Description

Building 777-10A, built in 1953, had a gross area of approximately 48,000 square feet. The building had two main areas: a west wing, which housed four experimental reactors and associated equipment; and an east wing, which housed laboratories, shops and offices. The reactors were located in two separate areas: one area housed the Process Development Pile reactor and the Lattice Test Reactor, while the second area housed the Standard Pile and the Subcritical Experiment reactors. The west wing had six levels: three below and three above grade, while the east wing had two levels: one below and one above grade (References P001 and P002).

4.3 Mission

Five heavy water moderated production reactors were built at SRS site to produce plutonium and tritium for the nation's nuclear arsenal. These production reactors were the first heavy water reactors to be built in the nation for production purposes. The experimental reactors in the Physics Laboratory played an important role in the operation of these production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December of 1953. In the summer and fall of 1953, these experimental reactors were essential for the study of the SRS production reactor design and operation, as well as for the calibration of various standards and monitoring devices required by the reactors. Even though this was the most important of the many uses of the Physics Laboratory over the years, the building and its experimental reactors were associated with almost every major aspect of the

use and improvements made to production reactors from 1953 until the basic perfection of the production process in the 1970s. This support continued until the early 1980's when the reactor work was phased out and the building was adapted to support audio-visual work at SRS. A campaign to package and remove neutron sources used as "start up" sources in the Physics Laboratory experimental reactors was conducted in 2002 by the OSRP. The sources were transferred to Building 321-M awaiting final disposition. A four-year decommissioning project, including Building 777-10A was completed in March 2006 (References P001, P002, and U002).

4.4 Defense Waste Assessment

WIPP requires generator sites to use AK to document that TRU waste streams to be disposed at WIPP meet the definition of TRU defense waste. TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one of the atomic energy defense activities listed in 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982* (NWPA) (Reference 14). Based on the review of AK, there is sufficient evidence to demonstrate that the neutron sources used in Physics Laboratory operations directly supported defense nuclear materials productions (tritium and plutonium production) and defense research and development (production reactor technology development) (References 13, C002, P001, P002, and U002).

Specifically, SRS was an integral part of the DOE weapons complex between 1942 and 1992. The subject sources were used to support three research/test reactors in the Physics Laboratory during this period. The Physics Laboratory and sources provided a means to study in detail the operation and performance of production type reactors with easy access and full safety for personnel. The sources were an essential part of the research phase for DOE and the production of nuclear weapons during the Cold War era (Reference C002).

4.5 High-Level Waste and Spent Nuclear Fuel Assessment

The LWA (Reference 12) bans the disposal of spent nuclear fuel and high-level waste, as defined by the NWPA (Reference 14) at WIPP. According to the NWPA, spent nuclear fuel is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing." The DOE M 435.1-1, *Radioactive Waste Management Manual* (Reference 15), expands on this definition to clarify that "Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." "High-level waste" is defined by the NWPA as "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient

concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation."

Waste stream SR-RH-SDD.01 consists only of manufactured plutonium-beryllium sealed sources, and therefore are not spent nuclear fuel or high-level waste and eligible for disposal at WIPP (References U001 and U002).

4.6 TRU Waste Management

The three neutron sources described in this report were maintained in Building 777-10A until a 2002 OSRP campaign was conducted to package and remove them from the building. Each source was packaged into a stainless steel SFC specifically manufactured to accommodate these larger sources and transferred to Building 321-M in 2003. Visual examination (VE) was performed by OSRP VE operators as the sources were packaged in the SFCs. These sources were each packaged in standard waste boxes filled with polyethylene beads used for shielding and moved to the Site D&D Facility in the P-Area in 2007 (References C002, U001, and U002). VE of records will be performed on the OSRP documentation generated at the time the sources were packaged in the SFCs in accordance with CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records* (Reference 16). VE will be performed as the SFC capsules are removed from the standard waste boxes and repackaged in accordance with CCP-TP-500, *CCP Remote-Handled Waste Visual Examination* (Reference 17), as described in CCP-CP-SRS-632, *Central Characterization Program RH TRU Waste Certification Plan for 40 CFR Part 194 Compliance for SRS, Waste Stream: SR-RH-SDD.01* (Reference 18).

4.6.1 Types and Quantity of TRU Waste Generated

The waste stream described by this report has been characterized as RH TRU debris waste consisting of two 15-gallon drums and one 16-gallon drum (0.17 cubic meters total).

4.6.2 Correlation of Waste Streams Generated from the Same Building and Process

Waste stream SR-RH-SDD.01 consists exclusively of three sealed neutron sources in SFCs used during production reactor research and development in the Building 777-10A Physics Laboratory at SRS. This stream is identified in DOE/TRU-12-3425, *Annual Transuranic Waste Inventory Report – 2012 (ATWIR)* as RH plutonium-beryllium sources and is assigned waste stream identification number SR-RH-SDD.01 (Reference 8).

During the 2002 campaign to remove these sources from the Physics Laboratory, smaller neutron sources were packaged and certified by OSRP into contact-handled (CH) TRU waste stream LA-OS-00-01.001 in AK Summary Report CCP-AK-LANL-008, corresponding to ATWIR waste stream identification number LA-OS-00-01.001 (References 8 and 13).

4.6.3 Waste Stream Identification, Categorization, and Delineation

Due to the unique nature of this waste stream consisting solely of neutron sources used for research purposes in the Physics Laboratory, these sources have been managed separately from the typical SRS TRU waste management practices. Based on a review of the AK documentation, these sources have been tracked based on the manufacture's serial number for each source. The original serial numbers are MCR-N-SS-W-Pu8Be-29, MCR-N-SS-W-Pu8Be-44, and MCR-N-SS-W-Pu8Be-45. The documentation includes variations of these serial numbers used to identify the sources being packaged in this waste stream. For example, for MCR-N-SS-W-Pu8Be-29 the following identifiers were identified; MRPu8Be29, M-29, and M29. For purposes of this report, the identifiers M029, M044, and M045 used by SRS in the most current container documentation will be used throughout this report (References C001, U001, and U002).

Waste stream SR-RH-SDD.01 meets the WIPP-WAP (Reference 3) and the WCPIP (Reference 2) waste stream definitions. The waste is similar in material, physical form, hazardous constituents (no hazardous constituents), and radiological properties (plutonium-beryllium neutron sources) and generated from a single process or activity (Physics Laboratory production reactor research).

4.7 Description of Waste Generating Process

The experimental reactors in the Physics Laboratory played an important role in the operation of heavy water moderated production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December of 1953. In the summer and fall of 1953, the experimental reactors in the Physics Laboratory were essential for the study of the Savannah River production reactor design and operation, as well as for the calibration of various standards and monitoring devices required by the reactors. Even though this was the most important of the many uses of Physics Laboratory over the years, the building and its experimental reactors were associated with almost every major aspect of the use and improvements made to the Savannah River production reactors, from 1953 until the basic perfection of the production process in the 1970s (Reference P001).

For most of its existence, the Physics Laboratory was controlled and operated by the Savannah River Laboratory, which oversaw the physics required in the operation and improvements to the production reactors. For this reason, the Physics Laboratory was identified as 777-M, reflecting its ties to both the 700-Area and M-Area, dedicated to manufacturing fuel and target elements. This designation suggests the uniqueness of the building and its function. In fact, the building kept this designation until the early 1980s, when a change in mission required a change in the designation, from 777-M to 777-10A. At that time, reactor work was phased out, and much of the building was adapted for audio-visual work at Savannah River (Reference P001).

The Physics Laboratory was known as the home of Savannah River's experimental reactors. By the 1970s, the building had a total of five experimental reactors: the Process Development Pile; the Standard Pile; the adjoining Exponential Pile or Subcritical Experiment; the Pressurized Exponential Pile; and the Resonance Test Reactor, later renamed the Lattice Test Reactor. The most important of these, however, were the first three. Of these three, the Process Development Pile, a full-scale nuclear mock-up of the heavy water moderated production reactors at Savannah River, was the most significant. The Process Development Pile provided researchers with the opportunity to study the physics of the production reactors and their fuel and target assemblies without having to impede production, and without the radiation problems associated with the production reactors (Reference P001).

There were a number of instruments surrounding the Process Development Pile that were important for its operation and control. Many of these were monitoring instruments, such as the ten boron-coated ion chambers and the twenty-one health monitors. Other important pieces of equipment inside the Process Development Pile tank were the vertical and horizontal traveling monitors that measured neutron flux (Reference P001).

Early start-up of the Process Development Pile at the Physics Laboratory was essential to address specific issues anticipated prior to the start up of the R Reactor. Addressing the physics questions in the Process Development Pile would allow the production reactors to operate at higher power more quickly. The specific early objectives included (Reference P001):

- Establishment of a specific loading pattern for the production reactors,
- Establishment of the limits of safe operation, and
- Establishment of the methods of initial operation for the production reactors

As part of the final outfitting of the Process Development Pile, an order was placed for three polonium-beryllium neutron source rods in January of 1953. Two of these rods were for the Process Development Pile, with the third set aside for instrument checks. Beginning with this order and continuing for almost three decades, one or two new neutron sources would be required every year in the Physics Laboratory (Reference P001).

Since the Process Development Pile operated at very low power, there was no need for a large neutron source. There were initially only two polonium-beryllium neutron sources, which would normally be placed near the center of the tank. Each source emitted 2×10^7 neutrons per second. The source rods were either in the Process Development Pile when in use, or they were stored in a cylindrical can filled with a boron carbide-paraffin (Reference P001).

Although review of the AK documentation did not identify the specific reactors where the three Physics Laboratory plutonium-beryllium sources in waste stream SR-RH-SDD.01 were used, the neutron output of 2×10^7 neutrons per second described above for the polonium-beryllium neutron sources is consistent with the plutonium-beryllium sources in this waste stream (i.e., as received between 5.4×10^7 and 1.2×10^8 neutrons per second) (References C001 and P001).

4.8 Waste Certification Procedures

In the CCP under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 1), directs compilation and confirmation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 6).

5.0 REQUIRED WASTE STREAM INFORMATION

This section presents the waste stream information required by the WIPP-WAP and the WCPIP for waste stream SR-RH-SDD.01 (References 2 and 3). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are discussed.

5.1 Area and Building of Generation

As discussed in Section 5.3 waste stream SR-RH-SDD.01 was generated in the SRS Physics Laboratory in Building 777-10A (References C002 and U002).

5.2 Waste Stream Volume and Period of Generation

The neutron sources in waste stream SR-RH-SDD.01 were removed from the Building 777-10A Physics Laboratory and packaged in SFCs by the OSRP during a 2002 campaign. The SFCs were placed in standard waste boxes for storage in 2007. The sources will be repackaged into two 15-gallon drums and one 16-gallon drum. The estimated volume of this waste stream is provided in Table 1, Waste Stream SR-RH-SDD.01 Volume (References C003, U001, and U002).

Table 1. Waste Stream SR-RH-SDD.01 Volume

Container Type	Number of Containers	Total Volume (cubic meters)
15-Gallon Drum	2	0.11
16-Gallon Drum	1	0.06

5.3 Waste Generating Activities

As described in Section 4.7, the neutron sources in this waste stream were used to support three research/test reactors in the Physics Laboratory. The Physics Laboratory and sources provided a means to study in detail the operation and performance of production type reactors with easy access and full safety for personnel (References P001 and P002).

5.4 Type of Wastes Generated

This section describes the process inputs, Waste Matrix Code assignment, waste material parameter (WMP) weight estimates, radionuclide contaminants, and RCRA hazardous waste determinations for waste stream SR-RH-SDD.01. The waste stream is characterized based on knowledge of the materials, knowledge of the processes generating the waste, and physical descriptions of the waste.

5.4.1 Materials Related to Physical Form

Waste stream SR-RH-SDD.01 is comprised exclusively of three plutonium-beryllium neutron sources in stainless steel SFCs packaged in 15- and 16-gallon cans with wood bracing. The plutonium-beryllium source material in each source is contained in a sealed inner stainless steel capsule inside an outer sealed stainless steel capsule. This capsule was placed into an aluminum sleeve/holder tube. The sources have been placed into stainless steel SFCs designed and constructed specifically for these larger neutron sources (References U001 and U002).

5.4.1.1 Waste Matrix Code

Based on an evaluation of the neutron source packaging and manufacturer's documentation, waste stream SR-RH-SDD.01 is comprised of metal debris (stainless steel capsules, aluminum holders, and beryllium and plutonium source material) and wood bracing (References C003, U002, and U004). Based on this evaluation, Waste Matrix Code S5400, Heterogeneous Debris, is applied to this waste stream. The definition of this Waste Matrix Code is provided in the DOE/LLW-217, *DOE Waste Treatability Group Guidance* (Reference 19). This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an inorganic debris (S5100) or organic debris (S5300) (References 13, C003, U002, and U004).

5.4.1.2 Waste Material Parameters

The WMPs for the waste stream were estimated by using manufacturer's information relating to the materials of construction associated with the three neutron sources, the OSRP estimates relating to the physical size and composition of the SFCs to be placed into the waste drums, and waste packaging (wooden bracing) included during repackaging of the sources. Based on this assessment only the following WMPs are present in the waste stream: iron based metals/alloys (stainless steel SFC, inside and outside source capsules), aluminum based metals/alloys (aluminum source sleeve/holder), other metals (plutonium and beryllium) and cellulosics (wood bracing). The WMP weights were assessed and an average was determined that was applied to the waste stream. The results of the assessment are presented in Table 2, Waste Stream SR-RH-SDD.01 Waste Material Parameter Estimates (References C003 and U002). This evaluation does include the wood bracing included during the final transfer and repackaging of the sources into the final waste containers (Reference C003 and U004).

The evaluation of data for the WMP weights for the waste stream is documented in a memorandum as required by CCP-TP-005 for waste stream SR-RH-SDD.01 (References 1, C003, and U002).

Table 2. Waste Stream SR-RH-SDD.01 Waste Material Parameter Estimates

WMP Description	Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	47.6%	42.7 - 52.7%
Aluminum-based Metals/Alloys	1.4%	1.2 - 1.5%
Other Metals	0.4%	0.4% - 0.5%
Other Inorganic Materials	0.0%	0.0% 0.0%
Cellulosics	50.6%	45.3 - 55.6%
Rubber	0.0%	0.0 - 0.0%
Plastic (waste materials)	0.0%	0.0 - 0.0%
Organic Matrix	0.0%	0.0 - 0.0%
Inorganic Matrix	0.0%	0.0 - 0.0%
Soils/Gravels	0.0%	0.0 - 0.0%
TOTAL INORGANIC	**49.4%**	
TOTAL ORGANIC	**50.6%**	

5.4.2 Radiological Characterization

This section summarizes the initial methods used to report the radioactive content of the sources in waste stream SR-RH-SDD.01. As discussed in Section 5.4.1, RH waste stream SR-RH-SDD.01 consists of three plutonium-beryllium neutron sources used at the SRS Physics Laboratory to support research/test reactors. It should be noted that the radiological characterization approach described in this section does not represent the approach implemented by CCP. The approach implemented by CCP to fully characterize this waste stream is documented in CCP-RC-SRS-631, *Central Characterization Program Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site, Waste Stream: SR-RH-SDD.01* (Reference 20). The information contained in this section is only intended to provide historical AK data related to the management of this waste by SRS and to describe reported radiological data that may be found on various waste management and waste storage forms (References U001 and U002).

An initial estimate of the radiological content of the three sources was performed during the OSRP effort to package the SRS Physics Laboratory sources in SFCs. The purpose of the characterization was to evaluate the packaging configurations planned during the OSRP source recovery effort at SRS. The primary document used for the characterization of the three sources in waste stream SR-RH-SDD.01 was a drawing produced by Monsanto Research Corporation, the manufacturer, # MRC-N-SS-W- Pu8Be-29, which includes (Reference C001):

- Source serial numbers
- Physical dimensions
- Grams of plutonium oxide and beryllium used in each identified source
- Isotopic distribution within the plutonium oxide used for source construction

Using the data from this drawing, the initial content of the sources was estimated. The initial content was then decay corrected using the commercial decay correction package RADDECAY. Radionuclides present in the predicted decayed inventory were selected based on the potential for contribution to 95 percent of total activity in the source and reporting requirements identified in the WIPP-WAC. No attempt was made to estimate the activity of activation or decay products, including Sr-90, Cs-137, or Co-60. Each radionuclide reported in the characterization is identified in Table 3, Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01 (Reference C001).

Table 3. Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01

	Source M029		Source M044		Source M045	
Radionuclide	**Curies**	**Grams**	**Curies**	**Grams**	**Curies**	**Grams**
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06
Totals	**6.61E+01**	**1.90E+01**	**2.48E+01**	**6.56E+00**	**3.42E+01**	**9.05E+00**

The data in Table 3 was normalized and converted to percentages of the total mass and activity. The result of this calculation is presented in Table 4, Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01 (References C001 and U003).

Table 4. Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01

Radionuclide	Relative Weight Percent	Relative Activity Percent	Expected Present (Yes/No)
WIPP Radionuclides			
Am-241	4.65%	4.39%	Yes
Pu-238	13.97%	65.72%	Yes
Pu-239	60.78%	1.04%	Yes
Pu-240	10.96%	0.69%	Yes
Pu-242	3.83%	<0.01%	Yes
U-233	<0.01%	<0.01%	Yes
U-234	4.62%	0.01%	Yes
U-238	<0.01%	<0.01%	Yes
Cs-237	Not Reported		Yes
Sr-90	Not Reported		Yes
Additional Radionuclides			
Pa-233	<0.01%	<0.01%	Yes
U-237	<0.01%	<0.01%	Yes
Np-237	0.18%	<0.01%	Yes
Pu-241	1.00%	28.15%	Yes
Totals	**100.00%**	**100.00%**	

5.4.3 Chemical Content Identification – Hazardous Constituents

As discussed in section 5.4.1, waste stream SR-RH-SDD.01 consists exclusively of neutron sources packaged in SFCs. As discussed in Section 5.2, the neutron sources were not removed from the Physics Laboratory until 2002 where they were maintained in a reactor or discrete storage areas. Since that time, SRS has managed the sources as non-hazardous waste. This determination is supported by the manufactures documentation and corresponding characterization of these type of sources managed by the OSRP. Review of the AK documentation verifies that these sources do not contain or have not been mixed with RCRA hazardous waste constituents (References 13, U001, and U002).

5.4.3.1 F-Listed Constituents

This waste stream is not mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261, *Identification and Listing of Hazardous Waste, Subpart D* (40 CFR 261.31)(Reference 21). SRS has not identified any F-listed hazardous constituents in this waste, and review of AK documentation found no potential source of any spent solvents used in the process that could contaminate the waste. The waste stream consists only of neutron sources in SFCs. Therefore, no F-listed EPA HWNs are assigned to waste stream SR-RH-SDD.01 (References 13, U001, and U002).

5.4.3.2 Toxicity Characteristic Constituents

Based on a review of the manufacturer's documentation and supporting AK documentation, this waste stream does not exhibit the characteristic of toxicity per 40 CFR 261.24 (Reference 21). Analytical data on typical source jacket material (stainless steel and silver solder which is 85 percent silver and 15 percent manganese) do not exceed the toxicity characteristic leaching procedure concentrations that would meet the RCRA characteristic of toxicity for metals. Therefore, no EPA HWNs are assigned to waste stream SR-RH-SDD.01 for toxicity characteristic metal or organic compounds (References 13, U001, and U002).

5.4.3.3 U- and P- Listed Constituents

Waste stream SR-RH-SDD.01 does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 21). The waste does not contain or is not mixed with hydrofluoric acid. Therefore, EPA HWN U134 is not assigned to the waste stream. These plutonium-beryllium neutron sources contain beryllium in a mechanically bonded form in each of the three sources. Based on the manufactures specifications and total waste weight (sources plus SFCs and wood bracing) the beryllium will not exceed one weight percent in any of the waste drums ranging from 0.03 percent to 0.40 percent, and therefore will not be present in amounts greater than one percent in the NS15 neutron shielded canister (Reference C003). The physical form of the beryllium is typically powder or sintered solid. However, the EPA has concurred that beryllium-containing sealed sources are not P-listed because the beryllium is not a sole active ingredient (Reference 13). Therefore, waste stream SR-RH-SDD.01 is not assigned a P- or U-Listed EPA HWN (References 13, U001, and U002).

5.4.3.4 K-Listed Constituents

Waste stream SR-RH-SDD.01 does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32 (Reference 21). Therefore, waste stream SR-RH-SDD.01 is not assigned a K-listed HWN.

5.4.3.5 Ignitables, Corrosives, and Reactives

Sealed sources constitute closed systems (solid isotopic sources sealed in a metal jacket or casing) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable, reactive, or corrosive. Therefore, the waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in 40 CFR 261 (References 13 and 21).

Ignitability

A solid waste exhibits the characteristic of ignitability as defined in 40 CFR 261.21 if it has any of the following properties: 1) It is a flammable liquid (flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter) (Reference 21).

Waste stream SR-RH-SDD.01 does not meet the definition of ignitibility as defined in 40 CFR 261.21 (Reference 21). Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable (Reference 13). The sources will not cause fire through friction, absorption of moisture, or spontaneous chemical changes. The sources are not compressed gases or oxidizers (References 13, U001, and U002). VE of records and VE during repackaging will be performed to ensure prohibited materials are not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D001 for ignitability (References 13, 16, 17, U001, and U002).

Corrosivity

A solid waste exhibits the characteristic of corrosivity as defined in 40 CFR 261.22 if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year (Reference 21).

Waste stream SR-RH-SDD.01 does not meet the definition of corrosivity as defined in 40 CFR 261.22 (Reference 21). Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be corrosive. VE of records and VE during repackaging will be performed to ensure prohibited materials are not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D002 for corrosivity (References 13, 16, 17, U001, and U002).

Reactivity

A solid waste exhibits the characteristic of reactivity as defined in 40 CFR 261.23 if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity

sufficient to present a danger to human health or the environment, 6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173, *Shippers – General Requirements for Shipments and Packagings* (References 21 and 22).

The sources in waste stream SR-RH-SDD.01 are manufactured items that are stable and will not undergo violent chemical change. The sources will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The sources do not contain cyanides or sulfides, and are not capable of detonation or explosive reaction. VE of records and VE during repackaging will be performed to ensure prohibited materials are not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D003 for reactivity (References 13, 16, 17, U001, and U002).

5.4.4 Polychorinated Biphenyl's (PCBs)

This waste stream does not contain PCBs greater than 50 parts-per-million and is therefore not regulated as a Toxic Substances Control Act waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions* (Reference 23). Review of the source documentation verifies the absence of PCB materials in the sources and that the sources are strictly inorganic and do not contain organic materials. VE of records and VE during repackaging will be performed to ensure that PCB materials are not introduced into the waste drums (References 13, 16, 17, U001, and U002).

5.4.5 Prohibited Items

Based on a review of the manufacturers and AK documentation, waste stream SR-RH-SDD.01 does not contain prohibited items, including; compressed gases, liquids, non-radionuclide pyrophorics, sealed containers greater than four liters, or explosives. VE of records and VE during repackaging will be performed to ensure prohibited materials are not introduced into the waste drums (References 13, 16, 17, U001, and U002).

5.5 Waste Packaging

During 2002, the OSRP packaged the three plutonium-beryllium neutron sources in waste stream SR-RH-SDD.01 in SFCs that were specifically manufactured to accommodate the length of these sources. During 2007, the three SFCs were individually packaged into a standard waste box filled with polyethylene beads (References C002, U001, and U002).

The SFCs were removed from the standard waste boxes and polyethylene beads and placed into either a 15-gallon or 16-gallon steel drum equipped with wooden bracing

and approved filter vents (Reference C003). This packaging configuration results in no layers of confinement.

SWB Container Number	Source	Final Packaging Container
SDD076307	M029	16-gallon steel drum
SDD076308	M044	15-gallon steel drum
SDD076309	M045	15-gallon steel drum

The three drums will then be loaded into a NS15 neutron shielded canister for transportation to WIPP in the 72B cask (Reference P003 and U003).

6.0 QUALIFICATION OF AK INFORMATION

As stated in CCP-PO-002 (Reference 6), this report provides a description of the characterization of waste stream SR-RH-SDD.01. CCP-CP-SRS-632 (Reference 18), describes how each DQO and QAO will be met along with the rationale for selection of the AK qualification methods used. As required by the WCPIP (Reference 2), the description of waste stream SR-RH-SDD.01 is provided in Sections 4.0 and 5.0. The description of the characterization approach selected for the waste stream is presented in CCP-CP-SRS-632 (Reference 18).

Table 5, Waste Stream SR-RH-SDD.01 DQO Determination Summary, lists the DQOs to be addressed using AK associated with this debris waste stream relating to the defense waste, radiological, and physical waste stream determinations.

Table 5. Waste Stream SR-RH-SDD.01 DQO Determination Summary

DQO Determinations	Summary of Characterization/Qualification Method	AK References/Sources
Defense, High Level Waste, and Spent Nuclear Fuel	As described in the defense waste justification in Section 4.4, there is sufficient evidence to demonstrate that these neutron sources were used in support of atomic energy defense activities associated with defense materials production and defense research and development activities. As described in Section 4.5, this waste stream does not contain spent nuclear fuel or high-level waste.	13, C002, P001, P002, U001, and U002
TRU Waste	The relative abundance of alpha-emitting TRU isotopes with half lives greater than 20 years calculated for waste stream SR-RH-SDD.01 is presented in Table 4. The concentration of TRU isotopes documented in CCP-RC-SRS-631 will be quantified for the each RH waste container during implementation of the radiological characterization approach. **Characterization/Qualification Method**: Peer review qualification of the AK information described in CCP-CP-SRS-632.	C001, U002, and U003
RH Waste	Estimated surface dose rates for the 15- and 16-gallon drums surface dose rates exceed 200 mR/hr. **Characterization/Qualification Method**: Dose rate measurement of each container as described in CCP-CP-SRS-632.	C001, U002, and CCP-CP-SRS-632
Activity	This DQO is specific to payload containers and will not be assessed until the final payload configuration has been established.	Not Assessed

Table 5. Waste Stream SR-RH-SDD.01 DQO Determination Summary (Continued)

DQO Determinations	Summary of Characterization/Qualification Method	AK References/Sources
WIPP 10 Required Radionuclides	The relative activity of the WIPP 10 required radionuclides for waste stream SR-RH-SDD.01 is presented in Table 4. The activity of the WIPP 10 radionuclides for the RH containers is documented in CCP-RC-SRS-631 will be quantified for each RH waste container during implementation of the radiological characterization approach. **Characterization/Qualification Method**: Peer review qualification of the AK information described in CCP-CP-SRS-632.	C001, U002, and U003
Physical Form	As described in Section 5.4.1, Waste Stream SR-RH-SDD.01 consists exclusively of metal neutron sources and SFCs debris waste meeting the WCPIP (Reference 2) definition for Summary Category Group S5000. Section 5.4.1.2 identifies the WMPs, including the expected amount in the waste stream. **Characterization/Qualification Method**: 100 percent VE of OSRP records and VE during packaging will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-632.	13, 16, 17, C003, U001, U002, and U004
Liquids	As described in Section 5.4.5 and 5.5, prohibited quantities of liquids will not present in waste stream SR-RH-SDD.01. **Characterization/Qualification Method**: 100 percent VE of OSRP records and VE during packaging will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-632.	13, 16, 17, U001, U002, and U004

7.0 CONTAINER SPECIFIC INFORMATION

The existing container identification numbers will be assigned to the repackaged sources and have been documented using the SRS OSR 29-90 Transuranic Waste Container Characterized Form. This form documents waste type, packaging, and physical, radiological and chemical characterization information for each container. The SRS Container Identification will be used to track the container through subsequent characterization and certification activities.

The specific containers included in this waste stream are included on the AK Containers List, maintained as a QA record, in accordance with CCP-TP-005 (Reference 1).

8.0 REFERENCES

1. CCP-TP-005, *CCP Acceptable Knowledge Documentation*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

2. DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

3. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*, New Mexico Environment Department, Santa Fe, New Mexico

4. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. Department of Energy

5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

6. CCP-PO-002, *CCP Transuranic Waste Certification Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

7. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

8. DOE/TRU-12-3425, *Annual Transuranic Waste Inventory Report – 2012*, U.S. Department of Energy

9. 40 Code of Federal Regulations (CFR) Part 191, *Environmental Radiation Protection Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes,* Washington, D.C., U.S. EPA, December 20, 1993

10. 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations*, Washington, D.C., U.S. EPA, February 9, 1996

11. *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision*, Washington, D.C., U.S. EPA, May 18, 1998

12. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act*, October 30, 1992 as amended by Public Law 104-201, September 23, 1996

13. CCP-AK-LANL-008, *Central Characterization Program Acceptable Knowledge Summary Report for Los Alamos National Laboratory Off-Site Source Recovery Project Sealed Sources, Waste Streams: LA-OS-00-01.001, LA-OS-00-03, and LA-OS-00-04*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

14. 42 U.S.C. 10101, *Nuclear Waste Policy Act of 1982*

15. DOE Order 435.1, *Radioactive Waste Management Manual*, U.S. DOE, Environmental Management

16. CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

17. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

18. CCP-CP-SRS-632, *Central Characterization Program RH TRU Waste Certification Plan for 40 CFR Part 194 Compliance for SRS, Waste Stream: SR-RH-SDD.01,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

19. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, Idaho Falls, Idaho, INEL-Lockheed Idaho Technologies

20. CCP-RC-SRS-631, *Central Characterization Program Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site Physics Laboratory Sealed Sources, Waste Stream: SR-RH-SDD.01*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

21. 40 CFR Part 261, *Identification and Listing of Hazardous Waste*, U.S. EPA

22. 49 CFR 173, *Shippers – General Requirements for Shipments and Packagings*, U.S. EPA

23. 40 CFR Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions*, U.S. EPA

9.0 AK SOURCE DOCUMENTS

Source Document Number	Title
C001	Characterization of Sources from Savannah River Plant
C002	Memo to J. McAlpin from T.J. Feske re: Pu-Be Sources - 777-10A
C003	Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation
P001	Historic American Engineering Record – Physics Assembly Laboratory
P002	Decommissioning the Physics Laboratory, Building 777-10A, at the Savannah River Site (SRS)
P003	NS15 Neutron Shielded Canister
U001	Container Paperwork for Waste Stream SR-RH-SDD.01
U002	Miscellaneous Pu-Be Neutron Source Documentation and Specifications
U003	Reported Radionuclide Evaluation Tables for Waste Stream SR-RH-SDD.01
U004	Miscellaneous Neutron Source Repackaging Photographs

Figure 1. SRS Location

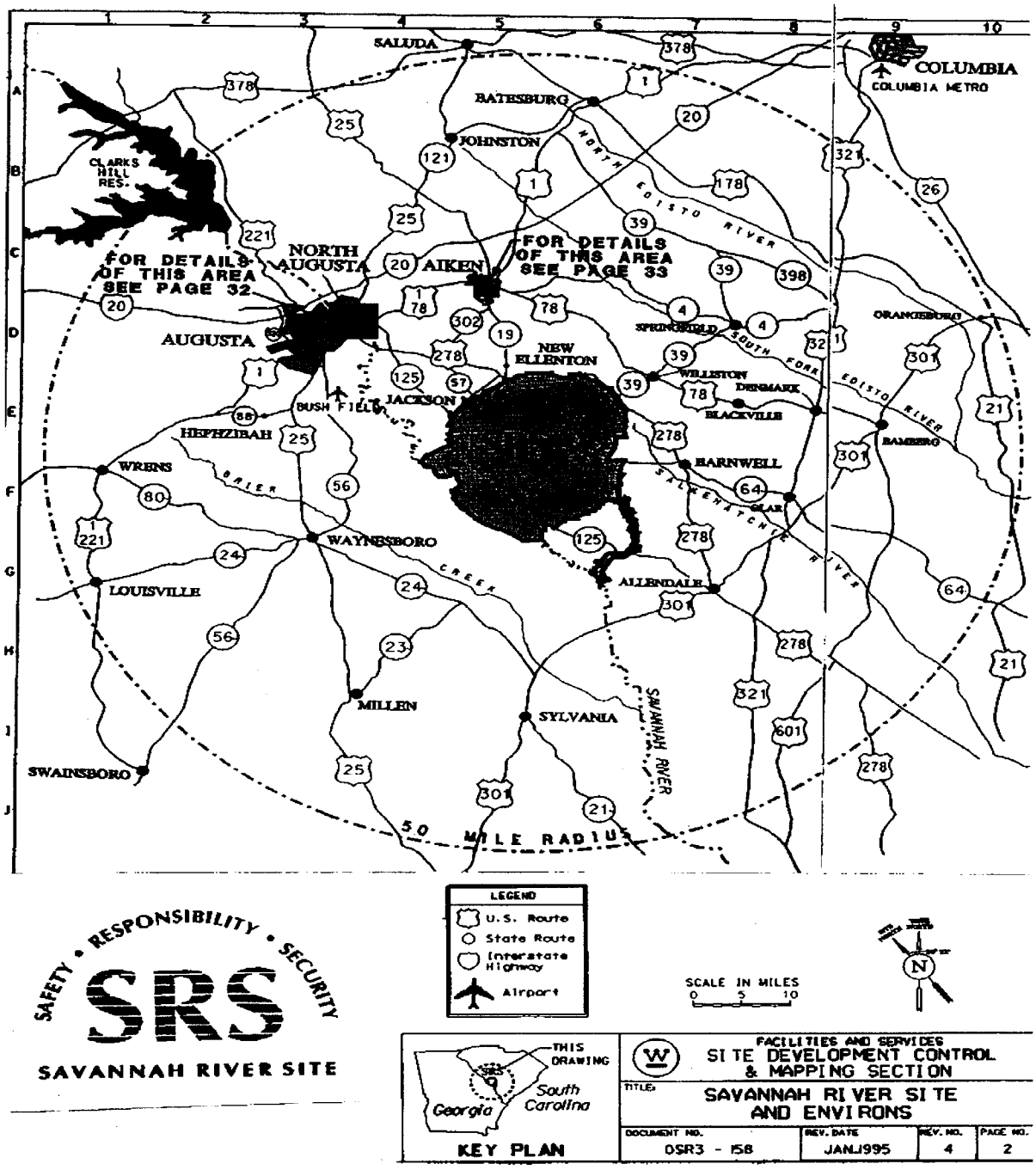
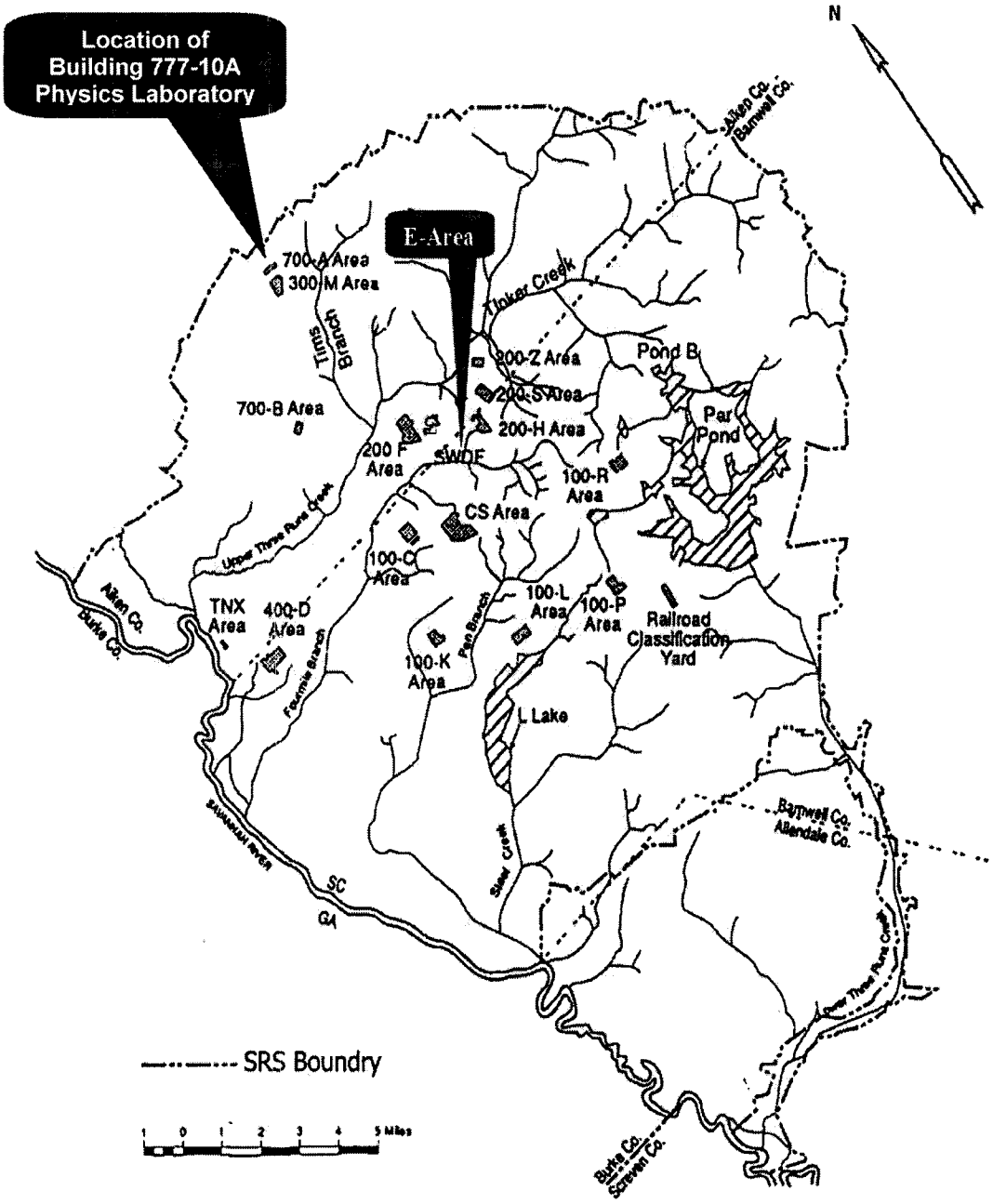


Figure 2. Location of the Physics Laboratory at SRS



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Central Characterization Program
Acceptable Knowledge Summary Report
For

Savannah River Site
Remote-Handled Transuranic Waste

Waste Streams:
SR-RH-221H.01
SR-RH-221H.02

Revision 1

November 27, 2012

Irene Quintana

Printed Name

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	07/13/2011	Initial issue.
1	11/27/2012	Revised to format the report consistently with CCP-TP-005, *CCP Acceptable Knowledge Documentation,* Revision 24, and to incorporate waste stream SR-RH-221H.02.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 9
2.0 WASTE STREAM IDENTIFICATION SUMMARY 11
2.1 Waste Stream SR-RH-221H.01 11
2.2 Waste Stream SR-RH-221H.02 14
3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION 16
4.0 REQUIRED PROGRAM INFORMATION 18
4.1 Facility Location 18
4.2 Facility Description 18
4.2.1 Old HB-Line 19
4.2.2 New HB-Line 20
4.3 Facility Mission 23
4.4 Defense Waste Assessment 24
4.5 High-Level Waste and Spent Nuclear Fuel Assessment 25
4.6 RH TRU Waste Management 25
4.6.1 Types and Quantity of TRU Waste Generated 27
4.6.2 Correlation of Waste Streams Generated from the Same Building and Process 28
4.6.3 Waste Stream Identification, Categorization, and Delineation 28
4.7 Description of Waste Generating Processes 32
4.7.1 Old HB-Line Waste Generating Process 32
4.7.1.1 Scrap Recovery Process 33
4.7.1.2 Neptunium Process 34
4.7.1.3 Plutonium Process 34
4.7.2 New HB-Line Waste Generating Processes 35
4.7.2.1 Scrap Recovery Facility (Phase I) 36
4.7.2.2 Neptunium Oxide Facility (Phase II) 37
4.7.2.3 Plutonium Oxide Facility (Phase III) 38
4.7.2.4 Other Facilities 39
4.7.3 Old HB-Line D&R 39
4.7.4 Associated Maintenance and Housekeeping Activities 40
4.8 Waste Certification Procedures 41
5.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.01 42
5.1 Area and Building of Generation 42
5.2 Waste Stream Volume and Period of Generation 42
5.3 Waste Generating Activities 42
5.4 Type of Waste Generated 43
5.4.1 Materials Related to Physical Form 43
5.4.1.1 Waste Matrix Code 44
5.4.1.2 Waste Material Parameters 45
5.4.2 Radiological Characterization 46
5.4.3 Chemical Content Identification – Hazardous Constituents 49
5.4.3.1 F-Listed Constituents 59

5.4.3.2 Toxicity Characteristic Constituents 62
5.4.3.3 U- and P-Listed Constituents 66
5.4.3.4 K-Listed Constituents 68
5.4.3.5 Ignitables, Corrosives, and Reactives 68
5.4.4 Polychorinated Biphenyl's (PCBs) 71
5.4.5 Prohibited Items 71
5.5 Waste Packaging 73
6.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.02 75
6.1 Area and Building of Generation 75
6.2 Waste Stream Volume and Period of Generation 75
6.3 Waste Generating Activities 75
6.4 Type of Waste Generated 76
6.4.1 Materials Related to Physical Form 76
6.4.1.1 Waste Matrix Code 76
6.4.1.2 Waste Material Parameters 76
6.4.2 Radiological Characterization 77
6.4.3 Chemical Content Identification – Hazardous Constituents 78
6.4.3.1 F-Listed Constituents 79
6.4.3.2 Toxicity Characteristic Constituents 79
6.4.3.3 U-and P-Listed Constituents 80
6.4.3.4 K-Listed Constituents 80
6.4.3.5 Ignitable, Corrosives, and Reactives 80
6.4.4 Polychlorinated Biphenyls (PCBs) 81
6.4.5 Prohibited Items 82
6.5 Waste Packaging 82
7.0 QUALIFICATION OF AK INFORMATION 83
8.0 CONTAINER SPECIFIC INFORMATION 87
9.0 REFERENCES 89
10.0 AK SOURCE DOCUMENTS 91

LIST OF TABLES

Table 1. Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates 46
Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01 48
Table 3. Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01 51
Table 4. Hazardous Waste Numbers Historically Applied (other than Metals) 57
Table 5. Hazardous Waste Numbers Historically Applied for Metals 62
Table 6. Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates 77
Table 7. SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02 78
Table 8. Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary .. 79
Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary 83
Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary 85

LIST OF FIGURES

Figure 1. Savannah River Site Geographic Location 98
Figure 2. Location of the 200-H Area and Burial Ground Within Savannah River Site 99
Figure 3. Savannah River Site E-Area Map 100
Figure 4. History of SRS Waste Management Practices 101
Figure 5. Timeline of Material Processing Activities at the Scrap Recovery Facility 102
Figure 6. Timeline of Material Processing Activities at the Neptunium Oxide Facility 103
Figure 7. Timeline of Material Processing Activities at the Plutonium Oxide Facility 104
Figure 8. Primary Operations in Scrap Recovery 105
Figure 9. Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery 106
Figure 10. Old HB-Line ^{237}Np Process Flow Diagram 107
Figure 11. Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery 108
Figure 12. Old HB-Line ^{238}Pu Process Flow Diagram 109
Figure 13. Schematic of New HB-Line Plutonium Oxide Process 110
Figure 14. H-Canyon Dissolver Off-Gas Heater and Iodine Reactor 111

LIST OF ACRONYMS AND ABBREVIATIONS

AEC	U.S. Atomic Energy Commission
AK	acceptable knowledge
BGR	Radioactive Solid Waste Burial Ground Record
BIO	Basis for Interim Operations
CCP	Central Characterization Program
CFP	cold feed preparation
CFR	Code of Federal Regulations
CH	contact-handled
Ci	curie
D&D	dismantle and decontamination
D&R	decontamination and removal
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DQO	Data Quality Objective
DTC	dose-to-curie
EPA	U.S. Environmental Protection Agency
EPD	Environmental Protection Department
ES&H	Environmental Safety and Health
FAMS	F-Area Material Storage Facility
FGE	fissile gram equivalent
FSN	file sequence number
g	gram
GCD	Greater Confinement Disposal
GCO	Generator Certification Official
HBL	HB-Line
HEPA	High Efficiency Particulate Air
HLW	high-level waste
HWN	Hazardous Waste Number
INL	Idaho National Laboratory
kg	kilogram
LANL	Los Alamos National Laboratory
LAP	low assay plutonium
LDR	land disposal restriction
LLW	Low-Level Waste
LWA	WIPP Land Withdrawal Act
M	molar
MEK	Methyl ethyl Ketone
m^3	cubic meters
mg/L	Milligrams per liter
ml	milliliters
MSDS	Material Safety Data Sheets
MTRU	mixed transuranic

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

MWG	Milliwatt Generator
nCi/g	nanocuries per gram
NASA	National Aeronautics and Space Administration
NDA	nondestructive assay
NDE	nondestructive examination
NWPA	*Nuclear Waste Policy Act of 1982*
OSR	Operational Safety Requirement
PCBs	polychlorinated biphenyls
PCE	perchloroethylene
PE-Ci	Pu-239 equivalent curies
PPE	personal protective equipment
ppm	parts per million
PVC	Polyvinyl Chloride
QA	quality assurance
QAO	Quality Assurance Objective
RCRA	Resource Conservation and Recovery Act
RH	remote-handled
RH-TRUCON	RH TRU Waste Content Code
RTG	radioisotope thermoelectric generators
RWBG	Radioactive Waste Burial Ground
SARs	Safety Analysis Reports
SRS	Savannah River Site
SWD	Solid Waste Division
SWDF	Solid Waste Disposal Facility
SWM	Solid Waste Management
SWMF	Solid Waste Management Facility
TBP	tributyl phosphate
TC	toxicity characteristic
TCA	trichloroethane
TCE	trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
TRU	transuranic
TRUCON	TRUPACT-II Content Code
TWBIR	Transuranic Waste Baseline Inventory Report
TWCC	Transuranic Waste Container Characterization
TWPD	TRU Waste Package Data
vol%	volume percent
Waste ID	Waste Identification (Slip)
WCPIP	*Remote-Handled TRU Waste Characterization Program Implementation Plan*
WDS	WIPP Waste Data System
WG	weapons-grade

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

WIPP-WAC	*Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
WIPP	Waste Isolation Pilot Plant
WIPP-WAP	*WIPP Hazardous Waste Facility Permit, Waste Analysis Plan*
WMC	Waste Management Complex
WMP	Waste Material Parameter
WSRC	Westinghouse Savannah River Company
wt%	weight percent

1.0 EXECUTIVE SUMMARY

This acceptable knowledge (AK) Summary Report has been prepared for the Central Characterization Program (CCP) for remote-handled (RH) transuranic (TRU) waste generated from the HB-Line (HBL) and the H-Canyon at the Savannah River Site (SRS). This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 3), to implement the AK requirements of DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) (Reference 1); *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference 2); and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference 10).

The WIPP-WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference 4). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference 12). Additionally, this report provides the AK information required by CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC) (Reference 19).

The CCP is tasked with certification of TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP). The CCP is responsible for collection, review and management of AK documentation in accordance with CCP-TP-005 (Reference 3), and reviews and approves this AK Summary Report. CCP maintains responsibility for this AK Summary Report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the "historical source documents" as non-QA records.

The TRU wastes generated by operations at the F&H Canyon Facilities are currently stored at the U.S. Department of Energy (DOE) SRS site. Waste Stream SR-RH-221H.01 consists of RH TRU debris generated by the H-Canyon, HBL which was used to convert radioactive materials (e.g., Np-237 and Pu-238) to solid neptunium and plutonium oxides. The HBL also dissolves solid scrap material from on and off-site. The corresponding contact handled (CH) debris waste stream (SR-W027-221H-HET) to RH waste stream SR-RH-221H.01 is described in CCP-AK-SRS-4, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM* (Reference 14). Waste stream SR-RH-221H.02 consisting of Berl saddles (also known as Beryl saddles) from the H-Canyon dissolver off-gas system currently has no companion CH waste stream.

This AK Summary Report, along with the referenced supporting documentation, provides a defensible and auditable record of the AK for the RH waste streams resulting from the operations at the H-Canyon. The references and AK sources used to prepare

this report are listed in Sections 9.0 and 10.0. The AK sources are referenced within this report by an alphanumeric designator (e.g., C001, D001, DR001, M001, and P001), corresponding to a unique CCP Source Document Tracking Number.

This AK report includes information relating to the facility's history, mission, process operations, waste identification, characterization and waste management practices. Information contained in this report was obtained from numerous sources, including facility safety basis documentation, historical document archives, generator and storage facility waste records and documents, interviews with cognizant personnel, and program/process documents (i.e., plans, procedures, etc).

This report and supporting source documentation provide the mandatory waste program and waste stream-specific information required by of the WIPP-WAP (Reference 2). This report also compiles data relevant to the applicable U.S. Environmental Protection Agency (EPA) requirements and presents the documentation necessary to satisfy each WCPIP Data Quality Objective (DQO) and Quality Assurance Objective (QAO) for RH TRU waste streams (Reference 1).

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored:

Savannah River Site
Post Office Box 616
Aiken, SC, 29802
EPA Identification Number SC1890008989

Facility Mission:

The primary mission of the H-Canyon, HBL is to receive chemically separated solutions of radioactive materials (e.g., Np-237 and Pu-238) from the H-Canyon facility and convert them to solid neptunium and plutonium oxides (Reference D052). HBL also dissolves solid scrap material from on and off-site.

Although much of the information related to products from HBL is classified, it can be said that the SRS mission meets the criteria of an atomic energy defense activity (i.e., defense nuclear materials production). Radioactive material produced in the HBL was transferred from HBL to numerous sites within the DOE complex, (e.g., Lawrence Livermore National Laboratory, Los Alamos Scientific Laboratory, Mound Laboratory, Oak Ridge National Laboratory, and others) where it was used in various initiatives and projects. Scrap material from these facilities was returned to HBL Scrap Recovery for recycle (References C091, C116, C152, M073, M082, M094, M095, M096). Off-site facilities that returned scrap material to the SRS are Los Alamos National Laboratory (LANL), Mound Laboratory, Allied-General Nuclear Services, National Institute of Standards Technology, General Sciences, U.S. Department of Defense (DOD), and Knolls Atomic Power Laboratory. Scrap material came to the Central Scrap Management Office at SRS. One memo from Mound stated that all material shipped to SRS on Scrap Declarations was produced at SRS or Hanford. This included some enriched uranium/plutonium scrap from Hanford and possibly from Argonne National Laboratory-East. Recovered uranium cycled between SRS and Oak Ridge. Scrap material also came from the SRS F-Area Material Storage Facility (FAMS). Refer to Section 4.3 for additional information on the Facility Mission.

2.1 Waste Stream SR-RH-221H.01

Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris
Waste Matrix Code:	S5400 – Heterogeneous
RH TRU Waste Content Code (RH-TRUCON):	SR321, SR322, and SR325

Annual Transuranic Waste Inventory Report Identification Numbers: SR-RH-221H.01

Waste Stream Description:

Waste stream SR-RH-221H.01 includes dry heterogeneous organic and inorganic debris. The organic debris includes plastic (e.g., bottles), bags, personal protective equipment (PPE) (e.g., gloves, shoe covers, lab coats, plastic suits), plexiglas, wipes, labware, cardboard, wood, absorbed oil, paper, and other job control type waste. "Job control" waste generally consists of paper, cloth, wood, plastic, rubber, glass, ceramic, and metal. The waste may also include small amounts of inorganic debris such as metal components (e.g., hand tools, motors, small equipment), metal hardware and fittings, sealed sources, crucibles, glass, floor sweepings, and absorbent materials. In addition, small quantities of poly bottles (100-milliliters [ml], 500-ml, 2-liter) containing immobilized liquids (e.g., absorbed acids and organic liquids) are also present. Examples of container-specific waste items described on generator and packaging forms:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners
- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as HEPA filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Waste stream SR-RH-221H.01 is comprised primarily of organic and inorganic debris materials. Therefore, Waste Matrix Code S5400, Heterogeneous Debris, is assigned to this waste stream. This waste stream could also contain 100-ml, 500-ml, and 2-liter poly bottles containing liquids (e.g., absorbed acids and organic liquids) that have been immobilized using absorbent products; however, no individual drum will contain greater than 50 percent homogeneous solids. Refer to Section 5.4.1.1 for the Waste Matrix Code evaluation.

Based on the radiological characterization of the corresponding CH waste stream, waste from this RH stream is contaminated primarily with thorium, uranium, plutonium, and neptunium isotopes consisting of the following radioisotopes and corresponding weight percent (wt%) distribution: Pu-238 (8.12%), Pu-239 (5.41%), Pu-240 (0.41%), Pu-241 (0.15%), Pu-242 (0.02%), U-233 (0.04%), U-234 (3.94%), U-235 (2.88%), U-238 (18.53%), Th-232 (57.17%), and Np-237 (3.16%). Further radiological characterization information is described in Section 5.4.2.

This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA)-regulated constituents and is assigned the following EPA Hazardous Waste Numbers (HWNs) D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F005, and U133. Refer to Section 5.4.3 for the waste stream chemical content evaluation.

As described in Section 5.5, waste items were generally bagged out of cabinets, transferred to a container for assaying, then placed into a storage container like a 55-gallon drum. During the 1970s, waste from HBL was double-bagged and then placed in a plastic bag lined 5-gallon pail. Liners were placed in steel drums and were loaded from accumulated waste packages. When the drum was filled, the plastic bag was closed, taped, and folded down inside of the liner. Liner lids were sealed and marked with the Radioactive Solid Waste Burial Ground Record (BGR) number and then the drum was then sealed. From the early 1980s on, bags removed from a cabinet were to be twisted and taped (into a horsetail or J-wrap or fold-and-taped and placed into three additional plastic bags that were individually sealed with tape. Waste was bagged out of the lines in 5-gallon cans or a 30-gallon gray tub so that they could be assayed. Five-gallon pails could possibly have been placed directly into drum liners or first placed inside of another waste package layer. Analysis of early packaging procedures exhibit a maximum of six confinement layers: 1-2) double bagging in cabinet (ex: absorbed liquids), 3-5) number of additional sealed bags prior to placement in pail/can for assay, and 6) sealed plastic bag lining can/pail that is placed into a drum liner. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without a lid.

Prohibited items are addressed in Section 5.4.5. Pyrophorics, explosives, compressed gas cylinders, and free liquids are not expected in waste stream SR-RH-221H.01. However, prohibited free liquids, containerized liquids, impenetrable objects, and sealed containers greater than four liters have been identified during characterization of the corresponding CH waste stream. Any prohibited items identified during radiography will be processed to correct the deficiency prior to shipment to WIPP (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers).

Waste stream SR-RH-221H.01 meets the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (HBL facility operations associated maintenance and deactivation operations).

2.2 Waste Stream SR-RH-221H.02

Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris
Waste Matrix Code:	S5400 – Heterogeneous Debris
RH-TRUCON:	SR321
ATWIR Identification Numbers:	None

Waste Stream Description:

Waste stream SR-RH-221H.02 was generated during the removal of silver coated Berl saddles (also known as Beryl saddles) from the H-Canyon dissolver off-gas system (see Section 4.7 and 6.3). Waste stream SR-RH-221H.02 is comprised of spent Berl saddles. The current inventory of RH containers included in this waste stream consists only of Berl saddles with plastic bags and plastic sheets packaged in two casks. A single Berl saddle is approximately 0.5-inches wide and 0.7-inches in length and is composed primarily of silicon dioxide and aluminum oxide.

Based on the evaluation of the materials contained in this waste stream and information recorded by the generator on the 29-90 forms, this waste stream is comprised of silver coated ceramic Berl saddles. Additionally, the generator estimated the contents of containers in this waste stream to include 27 percent by weight plastic bags and plastic sheeting material. Repackaging or remediation of waste currently contained in casks could result in drums containing secondary waste from repackaging operations. The waste stream estimate does not exceed 80 percent by weight of either inorganic or organic materials. Therefore, the waste stream is assigned Waste Matrix Code S5400.

Waste Matrix Code S5400 is assigned to debris wastes that do not meet the definition of S5100 (Inorganic Debris) or S5300 (Organic Debris) (Refer to Section 6.4.1.1).

Waste from this stream is contaminated primarily with uranium, plutonium, neptunium, and fission and activation product isotopes. Further radiological characterization information is described in Section 6.4.2. Based on limited data and assumptions documented in site characterization records, SRS determined H-Canyon Berl saddles should be managed as RH TRU waste.

This waste stream was determined to contain RCRA-regulated constituents and is assigned the following EPA HWNs: D007, D009, and D011. Refer to Section 6.4.3 for the waste stream chemical content evaluation.

No prohibited items are anticipated to have been packaged into this waste stream; however, prohibited items have been identified in debris waste streams from HBL, including prohibited liquids, aerosol cans, and sealed containers greater than four liters. If prohibited items are encountered during radiography, these items will be removed from the containers or remediated (Refer to Section 6.4.5).

As described in Section 6.5, the waste is currently packaged in two casks weighing 25,855 pound each. The tare weight for the casks recorded on the 29-90 forms is 23,000 pounds each. Berl saddles packaged in casks will be repackaged into 55-gallon drums. Waste that requires repacking or remediation is typically repackaged into new 55-gallon drums. Remediated/ repackaged waste may be packaged into a 55-gallon drum with a single vented drum bag and one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a polyethylene rigid liner without lid.

Waste stream SR-RH-221H.02 meets the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (removal of Berl saddles from the H-Canyon dissolver off-gas system).

3.0 ACCEPTABLE KNOWLEDGE DATA AND INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. Development of knowledge of the waste materials and processes that generate and control the waste is required to provide a clear and convincing argument about the characteristics of each waste stream. The AK characterization documented herein complies with the requirements of the WIPP-WAP (Reference 2) and the WCPIP (Reference 1) and was developed in accordance with CCP-PO-001. The WCPIP identifies waste characterization requirements and methods to satisfy requirements in:

- 40 Code of Federal Regulations (CFR) Part 191, *Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes* (Reference 5)
- 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR 191 Disposal Regulations* (Reference 6)
- *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision* (Reference 7)
- Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act* (LWA) (Reference 8).

A majority of the AK sources used for development of this report were originally collected by CCP for the corresponding CH debris waste stream from the HBL facility (Reference 14). Documentation from HBL facility and SRS TRU Waste Certification Program documentation effective during the period of waste generation were used, as were facility-specific safety analysis reports (SARs), facility technical reports, waste characterization plans, TRU Waste Package Data (TWPD) forms, Transuranic Waste Container Characterization (TWCC) ("29-90") forms, Burial Ground Records, Material Safety Data Sheets (MSDS), site and facility procedures, site databases, and information from facility personnel, as well as other documents. Specific revisions of controlling documentation in effect during generation and processing of HBL waste were obtained and used where available.

The references and AK sources used to prepare this report are listed in Sections 9.0 and 10.0, respectively. The AK sources referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, and P001) correspond to the Source Document Tracking Number using the following convention:

- C – Correspondence (e.g., memoranda, letters, e-mail, interviews)
- D – Documents (e.g., published reports)
- DR – AK Discrepancy Reports
- M – Miscellaneous Documentation
- P – Procedures

4.0 REQUIRED PROGRAM INFORMATION

This section presents the mandatory TRU waste program information required by the WIPP-WAP and the WCPIP for waste streams SR-RH-221H.01 and SR-RH-221H.02 (References 1 and 2). This section provides a description of the facility and operations associated with the generation and storage of the HBL RH waste at SRS Included is a description of the facilities, defense determination, and descriptions of the operations associated with the generation of waste streams SR-RH-221H.01 and SR-RH-221H.02.

4.1 Facility Location

SRS is located in southwestern South Carolina on an approximately circular tract of about 300 square miles and occupies parts of Aiken, Barnwell, and Allendale counties (References D034, D052, M054). The H-Canyon separations facility in H-Area is located near the center of the SRS. It is the principal chemical unit in this area and contains a remotely serviced and operated Canyon Facility and the directly serviced and operated HB-Line Recovery and Finishing Facility. Maps denoting the location of the site, H-Area, and the HBL Facility within H-Area are included in Figure 1, Savannah River Site Geographic Location, Figure 2, Location of the 200-H Area and Burial Ground Within Savannah River Site, and Figure 3, Savannah River Site E-Area Map.

4.2 Facility Description

H-Canyon is a Class I, reinforced concrete, blast-resistant structure. The primary function of H-Canyon is the chemical separation of specific isotopes from irradiated reactor material. The chemical separations operations are conducted in two parallel canyons in the H-Canyon facility designated the Hot Canyon and Warm Canyon. The H-Canyon facility also contains the plutonium and neptunium finishing facilities known as HBL (Reference D052).

Historically, the HBL facility has operated in both the Old HB-Line (until 1984) and the New HB-Line (from 1985 to present) (References D003, D004, D027, D056). These operations are located at the H-Canyon facility in the 200-H Separations Area.

The Radioactive Waste Burial Ground (RWBG)/Solid Waste Management Facility (SWMF) consists of two burial grounds: Old Burial Ground, active from 1953 to 1972 and occupying 76 acres (Reference D044); and the Solid Waste Disposal Facility (SWDF), opened in 1974 and occupying 119 acres (References D016, D030).

Processing equipment in the HBL facility is enclosed in either cabinets or gloveboxes to minimize the spread of radiological contamination (References D004, D005, D027, D058, D067, D092). The enclosures are constructed of stainless-steel with welded joints. To further aid with efforts to prevent the spread of contamination, the HBL is designed to provide an operating side and a maintenance side. Major pieces of equipment are located near the maintenance side of the process enclosure. In some

cases, equipment is located inside enclosures called "wing cabinets" which protrude into the Maintenance Room (References D003, D052). Any breach of radiological containment for maintenance is conducted from the maintenance side of the line. When such a breach is necessary, a temporary enclosure (hut) is made of sheet plastic material to surround the cabinet or glovebox panel to be removed (Reference C038). The hut permits ingress/egress to the process enclosure while still confining radiological contamination. Airflow patterns are cascaded to direct flow from non-contaminated areas of the facility to those progressively more contaminated. That is, from personnel corridors to operations areas to maintenance rooms to process enclosures (cabinets/gloveboxes), then eventually through the facilities filtered exhaust system (Reference D058).

4.2.1 Old HB-Line

This area of the H-Canyon structure was referred to as Old HB-Line. Old HB-Line was located on the third and fourth levels of the canyon building and operated from 1963 to 1983 producing radioisotopic heat source Pu-238 (References D004, D027, D116). The Old HB-Lines main function was dissolution of scrap materials for recovery and conversion of feed solutions from H-Canyon into plutonium and neptunium oxides (References D052, D058). Three independent operations, Neptunium Oxide, Plutonium Oxide, and Scrap Recovery, were incorporated into HBL and are briefly described below (Reference D052, M069):

- The Neptunium Oxide Process converted Np-237 solutions received from F- and H-Areas into Np-237 dioxide product.
- The Plutonium Oxide Process converted Pu-238 solutions into a plutonium dioxide product.
- The Scrap Recovery Process recovered U-233, U-235, Pu-238, Pu-239, and Np-237 from local and off-site scrap.

Process operations in the Old HB-Line were permanently suspended in 1983, with decommissioning and deactivation activities commencing in 1984 (References D004, D027, D058). Some process equipment from the Old HB-Line was not decommissioned and continues to be used as part of the New HB-Line Phase II processing (References D003, D058) as described in Section 4.7.2.

The Old HB-Line facility contained both shielded and unshielded tanks, transfer lines, glovebox enclosed precipitation and furnace stations, material transfer, and waste treatment and packaging stations. The facility processed Np-237, Pu-239, U-233, U-235, and Pu-238 (Reference M069).

Process Cabinets/Gloveboxes

Solutions, powders, and process equipment, such as dissolvers and tanks, were enclosed in ventilated cabinets to prevent the spread of radioactive materials. Cabinets were kept at slightly reduced pressure compared to the process rooms to ensure that any air leakage was into the cabinet and not out into the surrounding room. The cabinets were generally fabricated by covering a steel frame with clear acrylic, clear polycarbonate, glass, or stainless-steel panels. The process cabinets were of two types: dry cabinets and wet cabinets. Solid materials, such as precipitates and powders, were processed in dry cabinets, which were sealed to ensure containment of fine particles. Solutions were processed in wet cabinets. Wet cabinets were not generally sealed because the solution tanks provided the primary containment. Dry cabinets were ventilated with filtered room air, and wet cabinets were ventilated with nonfiltered room air. Glove ports were provided in many cabinet-face panels to permit manual operations and repairs. Bag ports were provided to permit transfer of materials in and out of the cabinets (References D052, D058).

Radioactive solutions were transferred between cabinets in process pipes enclosed in stainless-steel ducts. On horizontal runs, the tops of the ducts were acrylic or polycarbonate to aid in visually locating leaks. High-level alarms were positioned at convenient low points to which the liquid might drain. To prevent liquid from flowing to other low points, dams were placed in the ducts (Reference D052).

Moveable platforms were used to enable Operators to reach valve handles and samplers. The catwalk could be moved out of the way when the cabinet was opened for maintenance. Some of the cabinets that faced the room were shielded with lead panels. The cabinet sump was constructed of Type 304L stainless-steel welded to the cabinet frame (Reference D052).

Shielding was provided in front of each anion-exchange column. The shielding consisted of lead sheets mounted in stainless-steel frames (Reference D052).

4.2.2 New HB-Line

The New HB-Line, located on the fifth and sixth levels of H-Canyon, was designed to replace the aging Old HB-Line production facility (References D003, D056, D116). Built in the early 1980s in part of the H-Canyon Building, HBL is also a large, reinforced concrete structure. New HB-Line consists of the following (References D005, D005A, D050, D052, D058, D067, D092):

- Scrap Recovery Facility (Phase I)
- Neptunium Oxide Facility (Phase II)
- Plutonium Oxide Facility (Phase III)

- Waste Handling Facility, which was converted to an analytical laboratory operating since 1991 (References C105, D005)
- An office building
- Areas for support processing and service equipment

The facilities are described in greater detail in Section 4.7.

Primary operating equipment within the New HB-Line is designed and fabricated of corrosion resistant material depending on the operation and corrosive(s) being contacted. Most materials of construction are Type 304L stainless-steel. Plastics, precious metals, and special alloys such as Hastelloy® and Inconel® are used in locations where warranted by service conditions (References D003, D052). A description of individual pieces of major process equipment is presented below.

Gloveboxes

Phase I consists of two parallel glovebox lines that are mirror images of each other with operating sides facing outward and maintenance sides facing inward. Each line consists of three glovebox sections, a product entry station, and four wing cabinets. Glovebox sections contain the charge preparation areas, valves, product filters, most of the piping, and other miscellaneous equipment. The wing cabinets contain the dissolvers, filtrate tank, and product hold tanks; and along with the entry hood, protrude from the glovebox lines into the maintenance area. Radiation shielding generally consists of water jackets, lead on the gloveboxes, and cabinet windows layered with plate glass, Plexiglass G®, and leaded glass. The dissolver and product transfer glovebox contain only lead shielding with leaded glass on the window (References D003, D058).

Phase II consists of two glovebox lines with eight gloveboxes, two wing cabinets, four operating areas, two maintenance areas, and two bag-out rooms. These lines provide different functions, with the operating sides facing outward and the maintenance sides facing inward. The glovebox sections contain valves, product filters, ion-exchange columns, piping, and other miscellaneous equipment. The wing cabinets are parallel to the glovebox lines in the maintenance areas and contain filtrate tanks, precipitators, concentrate tanks, and recycle tanks. Radiation shielding generally consists of lead on the gloveboxes and leaded glass windows. The plutonium resin column cabinets require water jackets and lead; plexiglass and leaded glass are used in the windows (Reference D058).

Phase III houses only one glovebox line. Shielding is very similar to Phase I and generally consists of lead on the gloveboxes and acrylic/leaded glass windows (References D003, D056, D058).

The Waste Handling Facility includes the Analytical Laboratory with lab gloveboxes and a waste handling cabinet consisting of a glovebox line containing waste handling equipment (Reference D058).

Process Vessels

The process vessels in Phase I, Phase II, and Phase III are constructed of Type 304L stainless-steel. Process vessels include: dissolvers, product filters, product hold tanks filtrate tanks, sump and sump draw-off tank (References D003, D058).

Process vessels for Phase II include: product receipt and adjustment tanks, sump draw-off tanks, column feed tanks, resin columns, concentrate tanks, recycle tanks, precipitator feed adjustment tanks, precipitators, filters, filter boat station, filtrate tanks, spent resin catch tanks, and calcination furnaces (Reference D058).

Process vessels for Phase III include: product receipt and adjustment tanks, precipitators, filter station assembly, two filtrate tanks, and calcinations furnaces (References D003, D056, D058).

Process vessels in other areas of New HB-Line are as follows: feed receipt tanks and sump draw-off tanks; the Waste Handling Facility consists of two liquid waste storage tanks (Reference D058).

Air Jets

Air jets, instead of vacuum pumps, are used to create the vacuum required for process transfers. An air jet is a venture-like tube through which air is passed to create a vacuum in a line connecting at the side of the tube (References D003, D058).

Eductors

For Phase I, transfers of product from the hold tanks to the canyon are made with another jetting device called an eductor. The eductor's operation is similar to the air jet; however the motive fluid for the eductor is dilute nitric acid (References D003, D058).

Miscellaneous Equipment

The following equipment is located in the Calorimetry Room: Twin water bath calorimeters, analytical balance and vibration stand, and instruments providing electronic data collection and controls for the calorimeters. There is a welding machine, located in the welding room of Phase III, which consists of several individual pieces of equipment (Reference D056).

4.3 Facility Mission

The primary mission of the SRS has been to support national security as a major source of reactor-produced materials, primarily tritium, plutonium, heavy water (deuterium), and other special nuclear materials for weapons manufacturing. The mission was broadened over the years to include the production of other radionuclides, such as Np-237 and Pu-238 (References D034, P004).

At a presentation for the EPA in November 1993, dismantlement and decontamination (D&D) of the Old HB-Line was discussed and facility production campaigns were described as follows: from 1954-1956, Pu-239; from 1961-1984, NpO_2 production, as well as U-233, U-236, low assay Pu-238, and Pu-239; 1965-1984, Pu-238 Oxide; and 1972-1984, Scrap Recovery (Reference M021). These campaigns are described in more detail below.

Beginning as early as 1954, the Old HB-Line produced Pu-239 for use in the assembly of atomic weapons (References C091, M021). By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. Throughout the 1970s, 1980s, and 1990s, Pu-238 was used for both defense mission and nondefense applications such as the space program (References C091, C098, C152). Generally though, much of the Pu-238 material produced at HBL was used for national defense applications. New HB-Line began operations by recovering some Pu-238 that was used in Navy diving suits. This material originated from the Old HB-Line (Reference C105). In 2004, neptunium processing started up again in Phase II to convert neptunium solutions into an oxide. The oxide is shipped to the Idaho National Laboratory (INL) for eventual use in space power systems that will support both space and national security missions (References D109, D111, D112, D113, M131).

Although most of the material produced since 1972 went to the FAMS and/or space programs (including the Multi Hundred Watt program), the original mission in Phase III was to produce defense-related Pu-238 for LANL (Reference D005). From 1979 through 1997, Pu-238 oxide supplied by SRS was processed at LANL for development tasks, heat source fabrication for the Milliwatt Generator (MWG) Program, and National Aeronautics and Space Administration (NASA) (References C116, D046, D051, D080). From 1981 to 1990, many MWG heat sources were fabricated at LANL for assembly into the MWG-radioisotope thermoelectric generators (RTGs). The battery-like RTGs provide power for permissive-action links, a family of devices that reduce the possibility of obtaining detonation from a nuclear warhead (References D046, D051). The United States military's need for a rugged reliable power source with a long life was met with the RTG.

According to one individual who worked in Separations Technology in the 1970s, Pu-238 material was used by the Army, Navy, and others and that a lot of Pu-238 did find use in military applications (Reference C098).

HBL processes also related to providing material for NASA (References D004, M021, M022) included dissolving Pu-238 material received from foreign countries in Phase I and processing through Cassini at SRS in Phase III, and then to Idaho, Mound and LANL where they were used to fabricate generators (References C105, C152). Historically, reactors at SRS produced all of the U.S. Pu-238 until the late 1980s.

Other materials used for defense missions and processed in HBL include: U-233, Pu-242, Np-237. In addition, U-233 material was sent to Oak Ridge National Laboratory in about 1970 to be used for a defense-related campaign for Admiral Rickover (Reference C098). There was a 1980 Pu-242 campaign that was defense-related (References C098, D043).

Np-237 that went to Rocky Flats from 1977 to 1984 was used for a defense mission (Reference M094).

Many of the processes at HBL have been described as related to defense nuclear materials production (Reference C091). That function alone would identify the waste from HBL as coming from an atomic energy defense activity (Reference 7). It also seems evident that any TRU waste resulting from the management of weapons-grade (WG) material and from heat-source Pu-238 material was not segregated and, therefore, was commingled during processing in the HBL cabinets and gloveboxes. According to one HBL subject matter expert, there were no distinctions made between heat source materials produced for space versus defense materials. For example, Pu-239 material that was reworked in Phase I Scrap Recovery may have been defense-related because FB-Line Pu-239 sweepings that were worked in 1985 and 2001 were known to be defense related (the mission of FB-Line was solely to produce WG plutonium for weapons applications, and this activity was by-products management) (Reference C105). Also, the waste would have been commingled because there was no distinction made as to whether the material came from defense or non-defense applications, as in the case of scrap material returned from several sources (Reference C091). Phase I continued to process FB-Line defense materials in 2006 to support deactivation of that facility (Reference D113).

4.4 Defense Waste Assessment

WIPP requires generator sites to use AK to document that TRU waste streams to be disposed at WIPP meet the definition of TRU defense waste. TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one of the atomic energy defense activities listed in Section 10101(3) of the *Nuclear Waste Policy Act of 1982* (NWPA) (Reference 9). The primary mission of the Old HB-Line, beginning as early as 1954, was to produce Pu-239 for use in the assembly of atomic weapons

(References C091, M021). By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. Based on the review of AK, there is sufficient evidence to demonstrate that TRU wastes generated by HBL operations are contaminated with materials from defense materials productions and defense research and development.

4.5 High-Level Waste and Spent Nuclear Fuel Assessment

The LWA (Reference 8), bans the disposal of spent nuclear fuel and high-level waste (HLW), as defined by the NWPA (Reference 9), at WIPP. According to the NWPA, spent nuclear fuel is "fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing. The DOE M 435.1-1, *Radioactive Waste Management Manual* (Reference 18) expands on this definition to clarify that "Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material." "HLW" is defined by the NWPA as, "the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations, and other highly radioactive material that the Commission, consistent with existing law, determines by rule requires permanent isolation."

HBL received chemically separated solutions of radioactive materials (e.g., Np-237 and Pu-238) from the H-Canyon facility and converted them to solid neptunium and plutonium oxides (Reference D052). There were several sources for the material received in H-Canyon including spent nuclear fuel so the processing of this material in H-Canyon did produce HLW; however, the solution received in HBL no longer contained the highly radioactive fission products. Therefore, waste steam SR-RH-221H.01 is not spent nuclear fuel or HLW and is eligible for disposal at WIPP (Reference 12). Although H-Canyon generated high-level waste, the Berl saddles included in waste stream SR-RH-221H.02 are not considered high-level waste. DOE manual 435.1-1 indicates that wastes produced upstream of the separation processes, from such operations as chemical or mechanical decladding, fuel dissolution, or cladding separations are not high-level waste (Reference 18).

4.6 RH TRU Waste Management

Beginning in 1965, waste packages with alpha activity <0.1 curies (Ci) were placed in alpha-designated trenches beneath earthen cover (References C069, D010, D013, M028, P057), while waste with >0.1 Ci per package was placed in retrievable storage culverts (See Figure 4, History of SRS Waste Management Practices) (References

M028, P046). During the 1970s, the procedures DPSOP-40 (Reference P057) and DPSOL 241-FH-40 (Reference P056) contained directions for generator site and waste management personnel to complete BGRs, on which volume, isotopic quantity, and description was entered. All drums were required to be labeled and assayed. To ensure traceability to the generating facility and corresponding characterization, drums were assigned a unique file sequence number (FSN). This number appears on each of the forms and on a die-stamped stainless-steel or aluminum write-on tag attached by wire to each drum or in each drum (References C075, P050, P054, P056).

TRU waste generated between December 1972 and March 1986 was managed by the Separations Department (and later Waste Management) (References D010, P057) within E.I. DuPont de Nemours and Company, the SRS management and operations contractor at the time. The Separations Department managed and controlled the operation and security of the RWBG/SWMF and maintained permanent records and maps in order to inventory, locate, and identify stored waste (References D011, D013, D016, D018, D030, P057).

In about 1974, SRS further segregated and identified waste according to activity level and combustibility. TRU waste, including classified waste (Reference P062), with alpha activity >10 nanocuries per gram (nCi/g) and >0.1 Ci per package was placed in retrievable storage in response to U.S. Atomic Energy Commission (AEC) directives (References C054, D031, M028). Also, in 1974, drums estimated to contain greater than 0.5 Ci were placed inside concrete culverts (References C063, C079, D009, M028, P051, P054). Prior to 1974, the criterion was 0.1 Ci/drum (References C069, D010, M028, P057). Each culvert used for higher activity concentration drum storage held up to 14 55-gallon drums (Reference D014). The containers of waste (culverts and drums) were ultimately placed on sloped concrete pads (TRU pads No. 2-5) and one asphalt pad (pad No. 1), which were covered with approximately four feet of soil. These were referred to as "mounded pads" (References M037, M055). The containers were intended to remain on the pad until retrieved for processing and disposal at WIPP (References C048, D012, D018, D026, D029).

The practice of mounding over TRU waste pads was discontinued in 1985 (References C050, C058). Waste generated since 1986 is stored on concrete pads (TRU pads No. 6-19) without being covered with soils (References M040, M047, M055).

The DOE Savannah River Operations Office approved DOE Order 5820.2 in November, 1985 (Reference C077). This action changed the definition of TRU waste at SRS. Waste Management planned to dispose/store TRU contaminated waste as follows:

1) < 10 nCi/g – continue the practice of trench burial

2) 10 – 100 nCi/g – Greater Confinement Disposal (GCD)

3) > 100 nCi/g – above ground retrievable storage

It should be noted that the plan to use GCD for disposal of 10 – 100 nCi/g waste was not implemented. The waste disposed in GCD was low-level waste and was not managed as TRU waste (References C134, C165, D020).

TRU waste at SRS' HBL Facility was generated from radiochemical, analytical laboratory, and research activities (References D027, D031). Prior to initiation of a TRU waste certification program in early 1986 and placement on RCRA Interim Status in May 1987, SRS managed the generation of TRU wastes using administrative controls (i.e., procedures and training) developed according to AEC and DOE guidance and directives, including DOE Orders 5820.1 and 5820.2, *Radioactive Waste Management* (References D037, D038). During this time period, from 1981 to May 1987, SRS managed TRU waste to minimize safety concerns and to meet the proposed requirements of the WIPP (References D018, D026). The quantity of plutonium in each waste container was tracked to address criticality concerns and heat generation from radiological decay (References C014, C040, C045, C046, C047, D075). The presence of liquid and incompatible chemicals was also tracked at this time. Knowledge of the characteristics of the waste generated during this period, "were based on contemporaneous descriptions of the generators' processes, since the processes had remained unchanged over the years." Because the waste streams of the generators were not characterized for RCRA listed HWNs prior to 1986, SRS conservatively assumed that the solid waste generated during this period was all mixed, because it, "was contaminated with all of the hazardous constituents present in given generator processes or construction activities." SRS identified that, "the hazardous characteristics of the waste were limited to toxicity, acutely hazardous, and toxic waste, as defined by the South Carolina Hazardous Waste Management Regulations R.61.79.264.24" (Reference D018).

4.6.1 Types and Quantity of TRU Waste Generated

Waste stream SR-RH-221H.01 currently consists of 15 55-gallon drums (3.1 cubic meters [m^3] of dry heterogenous organic and inorganic debris waste resulting from glovebox operations, material characterization and re-packaging, decontamination and removal (D&R), decommissioning, housekeeping, maintenance, and construction activities in 221-H, HBL. This RH waste stream corresponds with and was originally included in CH waste stream SR-W027-221H-HET, consisting of approximately 7,700 containers. Additional containers from the companion CH waste stream determined to be RH waste will be included in this waste stream (References 14, C197, M169).

Waste stream SR-RH-221H.02 currently consists of two concrete shielded casks (5.7 m^3) of silver-coated Berl saddles generated in 1989 from the dissolver off-gas system in the H-Canyon. Even though no additional Berl saddle waste is expected to be generated following repackaging of the existing inventory, additional H-Canyon Berl saddle waste (e.g., secondary waste from repackaging) determined to be RH waste will be included in this waste stream (References C219, M183).

4.6.2 Correlation of Waste Streams Generated from the Same Building and Process

Waste stream SR-RH-221H.01 consists of debris from operations, decontamination, housekeeping, maintenance, and construction activities in the HBL. This RH waste stream was part of the CH waste stream identified by DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011* as waste stream identification number SR-W027-221H-HET (CH heterogeneous debris). The ATWIR identifies the RH waste as waste stream SR-RH-221H.01 (Reference 15).

Waste stream SR-RH-221H.02 consists of ceramic Berl saddles from the H-Canyon dissolver off-gas system in the HBL. The ATWIR does not specifically identify this waste stream and identifies SR-RH-221H.02 as RH TRU High Efficiency Particulate (HEPA) filters from the HBL (Reference 15).

The RH and CH waste streams above are also related to HBL waste streams SR-W027-221-HEPA (CH HEPA filters), SR-W027-221H-HET-C (CH heterogeneous debris without listed solvents), SR-W027-221-HET-D (CH heterogeneous debris and cemented scrap), SR-W027-221H-HOM (CH absorbed liquids), and SR-W027-HBL-Box (CH boxed D&R waste and equipment) (References 14, 15).

The SRS container documentation and supporting AK documentation were reviewed for each container to verify the physical composition and origin of the waste stream inventory. It was determined that containers included waste streams SR-RH-221H.01 and SR-RH-221H.02 were generated in the HBL. The WIPP-WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity (Reference 2). The WCPIP definition also includes that the materials in a waste stream must have similar radiological properties (Reference 1). Based on a review of the AK record and SRS waste management practices, the TRU waste streams (debris and Berl saddles) generated by the operations described in Section 4.7 (HBL operations and associated maintenance and deactivation operations) were segregated to be managed as corresponding RH and CH waste streams based on the WIPP-WAP and WCPIP waste stream definitions (References M169, M183).

4.6.3 Waste Stream Identification, Categorization, and Delineation

Management of TRU waste from the HBL facility was achieved as directed by procedures designed to ensure accurate characterization and identification of waste at the point of generation (References P003, P007, P007A, P014, P018, P023, P026, P042, P045, P047, P048, P054, P055, P056, P057, P058, P059, P063, P064, P067, P069, P073, P088, P089, P091, P093, P094). The procedures used during generation of these waste streams directed facility personnel to ensure storage in accordance with the SRS Solid Waste Division (SWD) WAC and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant* (WIPP-WAC) (Reference D079) in effect at the time of waste packaging, if any. In 1973, the AEC required that all TRU waste generated from its sites segregate combustibles from

non-combustibles (Reference D035). Drums were to be labeled as "COMBUSTIBLE" or "NONCOMBUSTIBLE" according to packaging procedures (References P054, P056). The burial ground Technical Standard required combustible and non-combustible TRU waste to be stored in separate containers. Further, it was recommended that drums stored in culverts (i.e., > 0.5 Ci) should be segregated into combustible or non-combustible culverts (Reference C086). Typical TRU solid waste materials included (Reference M030):

Combustible	Non-combustible
Paper	Filters (HEPA)
Wipes	Filters, Canister
Cloth Rags, Uniforms	Glassware, Ceramics
Cartons	Small Tools
Gloves	Tin Cans
Wood Boxing	Machined Metal Hardware
Sweepings	Miscellaneous Metal Hardware
Graphite	Crucibles
Residues (undefined)	Pipe Lengths and Fittings
Plastic Film, Sheeting, Bottles, Drum Liners, Windows, Labware, and Sponges	
Miscellaneous Rubber	

Segregation based on combustibility of waste was no longer required by 1985 (Reference C071). The Waste Identification (Waste ID) Slip was an internal worksheet that captured information necessary for completion of the forms described below. The waste category and applicable hazardous/nonhazardous determinations were recorded by HBL personnel on this slip for each waste pail, drum, or container generated. The BGR provided content information, including the volume, radionuclide variety of contamination (codified), quantity, and originator (generator) location (References M014, P054, P056, P057, P073, P093). TWPD forms were completed for wastes generated after 1986 and included information on waste content, radioisotopes, and hazardous waste constituents (References M014, P073, P093). Waste was examined for physical content against criteria listed in the procedures (Reference P073) to determine and assign the appropriate site-specific content code (001-Job Control, 002-Sludge, 003-Resin, 004-Filters, etc.). Waste generated after 1997 required only a completed TWCC that included radionuclide and hazardous waste information (Reference M015). These forms were completed at the time the waste was placed in a drum liner or pail. Each form, which contains a statement attesting to the accuracy of the information, accompanied waste containers (drums) when they were transported from the HBL to the SWD storage facility.

Due to the fact that some of the waste was generated prior to implementation of a TRU waste certification program, facility personnel were not required to determine whether waste was hazardous under RCRA prior to 1986. After 1986, facility personnel determined whether waste was RCRA-regulated and, if responsible for ID and packaging of waste, were RCRA trained. In addition to radionuclide content,

pre-1985 generated waste was examined for physical content to support the segregation of combustible and non-combustible waste (References C071, P057). Throughout the waste streams' generation periods, drums and other storage containers were labeled with various content information.

Since 1992, the HBL packaged and shipped waste to the E-Area storage facility RWBG/SWMF under Procedure Manual 1S SRS WAC Manual, Chapter 3.06, "*E Area, TRU Pads – Transuranic Waste Acceptance Criteria*" (References C006, D026, D084, M046, M057, P015, P050). This document was used by SRS to ensure that CH TRU waste and mixed Transuranic waste (MTRU) sent for storage at the TRU storage pads incorporated the SRS site requirements, the WIPP-WAC requirements, and those requirements found in federal and state laws, regulations and orders.

Since 1999, the Westinghouse Savannah River Company (WSRC) Solid Waste Division, Waste Certification Group has performed periodic internal waste certification assessments of the HBL Waste Certification Program. Assessments provide assurance that the HBL TRU/MTRU management practices meet the applicable requirements of WSRC Procedure Manual 1S for transportation to and storage at the E-Area Solid Waste Facility. The HBL TRU Waste Certification Program is documented in NMS-EHB-990044, "*Separations HB-Line Facility: Transuranic (TRU) Waste Certification Program*" (Reference D067).

Throughout the time period of waste generation, at least one of the following waste characterization forms was completed for each waste container: the TWDP form (Operational Safety Requirement [OSR] 7-872, 1986-1997); BGR (OSR 7-375A, 1972-1997); or a TWCC (OSR 29-90, from 1997 forward) were required to be completed at the time the waste was placed in a drum liner or drum. In the late 1990s, if a drum contained mixed waste, it was stenciled in ½ -in. (or larger) block letters on two sides of the drum with the following markings, as appropriate (References P014, P091):

- "RADIOACTIVE WASTE" in black paint
- "PADSTORAGE" in black paint
- "CERT" in green paint or "NON-CERT" in orange paint
- Date container drum is permanently sealed, in black paint
- "HAZARDOUS WASTE" in black paint, if applicable
- Waste Category (such as toxic, ignitable, reactive, corrosive) in black paint
- All hazardous waste components (such as lead or Mercury) in black paint
- EPA HWN in black paint

- "LDR" (Land Disposal Restriction) in black paint
- Accumulation start date

These markings provided a visual indicator to aid personnel moving and storing the drums. Each drum is traceable to its respective generating facility and characterization via a unique FSN or a unique container ID number. In the case of pre-1990 drums in the SR-W027-221H-HET CH waste stream, 402 have related FSNs documenting additional waste cuts packaged into the drum with the primary FSN number (Reference M066). This serialized number appeared on each of the OSR forms and on each waste drum and inner liner. Each drum and liner was identified with its FSN using a die stamped stainless-steel tag attached with wire to each drum or in each drum, or an aluminum write-on tag or painted label/marking (References C054, D088, P048, P056, P057, P059).

- Procedures used in characterization of HBL TRU Waste have been included as source documents in the AK record (References P003, P007, P007A, P014, P018, P023, P042, P045, P047, P048, P054, P055, P056, P057, P058, P059, P063, P064, P067, P069, P073, P088, P089, P091, P093, P094).

Prior to 1986, SRS managed its TRU waste according to the AEC and DOE guidelines established at the time but did not have a TRU waste certification program. In early 1986, SRS implemented its TRU Waste Certification Program, which modified its generator administrative controls to manage all TRU waste according to the WIPP- WAC. The SRS TRU Waste Certification Program was implemented by the SRS certification plan, *Savannah River Certification Plan for Newly Generated, Contact- Handled Transuranic Waste*, and was audited and approved by the waste acceptance certification criteria committee (Reference D088). The program remained in place until 1991, when the Solid Waste Division discontinued the performance of nondestructive examination (NDE) and nondestructive assay (NDA) on each waste container. With the ceasing of these operations, the HBL procedures and controls implemented by the TRU waste certification program remained in place. From approximately 1992 - 1999, SRS SWD did not maintain its formal TRU waste certification program confirmation activities. However, HBL waste management procedures in place directed facility personnel to complete steps necessary to ensure storage in accordance with the SRS SWD WAC and WIPP-WAC in effect at the time of waste packaging. Since 1999, the WSRC Solid Waste Division, Waste Certification Group has performed periodic internal waste certification assessments of the HBL Waste Certification Program. Assessments provide assurance that the HBL TRU/MTRU management practices meet the applicable requirements of WSRC procedure Manual 1S for transportation to and storage at the E-Area Solid Waste Facility. The HBL TRU Waste Certification Program is documented in NMS EHB-990044 (Reference D067).

4.7 Description of Waste Generating Processes

HBL has consisted of three major operations in both the Old and New HB-Lines: Scrap recovery, Neptunium Oxide production, and Plutonium Oxide production. The New HB-Line also has a laboratory that generated TRU waste. Figure 5, Timeline of Material Processing Activities at the Scrap Recovery Facility, Figure 6, Timeline of Material Processing Activities at the Neptunium Oxide Facility, and Figure 7, Timeline of Material Processing Activities at the Plutonium Oxide Facility depict the timeline of material processing activities at Old HB-Line and at New HB-Line for Phase I, Phase II and Phase III, respectively. Figures 8 through 13 are diagrams that show the process flow in each of the three facilities (References C063, C066, D005, D054, D099, D113, D116, M069). HBL generates TRU waste containing plutonium and neptunium during the use of gloveboxes, contamination control huts, and from decontamination processes. TRU waste containing Pu-238, Np-237, Pu-239, and other radionuclides was also generated during decontamination operations, replacement of equipment, maintenance, inspection, and sampling (Reference D034). TRU waste was placed in 5-gallon cans, assayed, placed in a drum liner, and packaged in 55-gallon drums before transport to the TRU waste storage facility (Reference D034).

4.7.1 Old HB-Line Waste Generating Process

The Old HB-Line operated from 1963 to 1984 producing Pu-238 material for NASA programs as well as defense-related materials. It was designed to receive radionuclides in dilute acid (e.g., nitric acid) solutions from the fuel reprocessing canyon, precipitate them as oxalates, and then calcine them in a furnace to a solid oxide form (References D004, D062). In addition to Pu-238 and Np-237, the facility processed Pu-239, U-233, and U-235 (References D004, D095). The Old HB-Line had three distinct facilities to process Np-237, Pu-238, and recoverable scrap material (References C093, D052).

The production of plutonium began with the irradiation of uranium and neptunium targets in the site production reactors. In the reactor, the U-238 atoms were bombarded with neutrons and transformed into U-239 atoms. Through successive radioactive decays, the material became Np-239 and then Pu-239. Since some of the Pu-239 later fissioned, fission products were also formed. The plutonium was a small percentage of the total uranium remaining in the target or fuel after irradiation (Reference C139).

Dissolution of these materials in the H-Canyon involved fuel elements and assemblies being transported from the storage area or directly from cask cars, charged to the dissolver, and dissolved in nitric acid solution to provide an aqueous solution suitable for subsequent processing and separation steps. Typical dissolution included uranium metal with aluminum clad slugs, uranium-aluminum alloy fuel, and zirconium and stainless steel clad fuels (Reference D124).

H-Canyon was equipped with two chemical dissolvers and an electrolytic dissolver. Feed material containing components that could not be dissolved chemically in nitric

acid were dissolved electrolytically. For aluminum clad uranium slugs, the aluminum was dissolved in a solution of sodium hydroxide and sodium nitrate at the boiling point. The 50 percent sodium hydroxide was slowly added to the dissolver at a controlled rate of dissolution. At the end of the cladding removal step, the dissolver was cooled and the sodium aluminate removed. The remaining uranium and plutonium was dissolved in 50 percent nitric acid. Stainless steel, zirconium, and aluminum cladding were dissolved anodically in the electrolytic dissolver. The use of nitric acid as the electrolyte permitted recovery of fissile materials by conventional solvent extraction using existing stainless steel equipment. Volatiles generated during dissolution from all dissolvers were ducted to the dissolver off-gas system. This system included iodine reactors designed to remove radioactive iodine (I-129) from the off-gas. The off-gas entered the reactor cartridge where radioactive iodine was removed by contacting a bed of silver nitrate-impregnated reaction media. The media consisted of ceramic saddle-shaped pieces called Berl saddles (References C217, D124, D127).

4.7.1.1 Scrap Recovery Process

The Scrap Recovery Process recovered U-235, Pu-238, and Np-237 from local and off site scrap by dissolving the scrap and transferring the solution to the canyon for reprocessing (Reference D052). As shown in Figure 10, Old HB-Line ^{237}Np Process Flow Diagram, and Figure 12, Old HB-Line ^{238}Pu Process Flow Diagram, the recovery process normally consisted of opening and examining contents of scrap containers, removing extraneous materials, screening, size reduction, oxidation, leaching, and dissolution (Reference D052). Precipitation and ion exchange capabilities are also available. Solutions may require diluting to obtain nitrate solutions suitable for further processing (Reference D019). Figure 8, Primary Operations in Scrap Recovery, illustrates the general flow of materials through the process.

The following two categories of scrap were processed separately or in combination: (1) Pu-238 and/or Np-237, and (2) U-235, Pu-239, and Np-237. Both categories of scrap could be processed simultaneously in the recovery facility, but they were separated at all times. Scrap was received as relatively pure Pu-238 oxide primarily from Mound Laboratory Los Alamos Scientific Laboratory, and onsite. No scrap containing primarily Np-237 was received from off-site sources; however, some Np-237 was recovered from HBL cabinet floor sweepings. This scrap was received from eight sites primarily as uranium oxide and plutonium oxide, but some uranium^{3}oxide^{8} and some uranium and plutonium metal (Reference D052) was also received.

The scrap was inspected and extraneous material removed. The scrap was then weighed and pulverized for dissolution. The material was manually added to the dissolver, which contained nitric acid, potassium fluoride and aluminum nitrate (References D006, P105). The dissolver solution was then filtered and analyzed for Pu-238 prior to reprocessing. Insoluble material in the filter boat was either recycled or discarded depending upon its plutonium content. U-235, Pu-239, and Np-237 were recovered from scrap consisting mainly of uranium, plutonium, and neptunium oxides of

various compositions. The scrap is weighed and added to a solution of nitric acid/potassium fluoride and potassium fluoride/aluminum nitrate (References D006, P038). The solution was cooled, filtered, sampled, and analyzed for U-235 and Pu-239 prior to reprocessing.

Scrap was occasionally received with a significantly different composition than that normally processed. Non-routine scrap required a special evaluation to determine a safe recovery procedure. Examples of special recovery scrap processed in HBL include scrap containing molybdenum, zirconium, or beryllium molybdenum scrap was dissolved with ferric nitrate. Scrap containing zirconium metal or alloy was processed with fluoride (Reference D006).

4.7.1.2 Neptunium Process

The Neptunium Process received Np-237 solution separated by canyon operations in F and H Areas. The process purified and concentrated the neptunium solutions using anion exchange, precipitation, and calcination. The product was ultimately incorporated in new reactor targets and re-irradiated for the production of Pu-238 (References D019, D052).

HBL received Np-237 nitrate from three sources: H-Canyon Frames Process, H-Canyon HM Process, and the F-Canyon Purex Process. These feed solutions were sampled and analyzed for neptunium content and acidity and then combined with feed solutions from other processes. Feed solutions were adjusted by adding nitric acid, ferrous sulfamate, and hydrazine mononitrate (References D019, D052). Hydrazine mononitrate was added to the solution after it was sampled and analyzed (Reference D052).

4.7.1.3 Plutonium Process

The plutonium Process received separated Pu-238 nitrate solutions and converted them to plutonium dioxide powder by precipitation and calcination (Reference D052). The plutonium product was shipped to other facilities where it was fabricated into heat sources for RTGs (References D052, D056). Plutonium was precipitated, filtered, and calcined to plutonium dioxide in air.

HBL received high assay and low assay Pu-238 nitrate solutions from H-Canyon operations. The high assay plutonium solutions accounted for ~99 percent of the Pu-238 processed in HBL. Low assay Pu-238 was recovered from irradiated fuel assemblies of enriched uranium. The recovered product was decontaminated and purified in the H-Canyon, and was transferred to HBL. Low assay plutonium solution contained plutonium in nitric acid. The isotopic compositions for plutonium isotopes 238-242 were approximately as follows: Pu-238, 26 percent; Pu-239, 56 percent; Pu-240, 11 percent; Pu-241, 5 percent; and Pu-242, 2 percent (Reference D052).

High assay Pu-238 was recovered from irradiated neptunium target tubes. The plutonium was separated from the dissolver solution and purified by ion exchange in the H-Canyon Frames Process. The high assay solution was transferred from H-Canyon to an HBL receiving and blending tank. The solution was then blended to isotopic specifications, adjusted, and transferred to the precipitator feed tank as shown in Figure 13, Schematic of New HB-Line Plutonium Oxide Process (Reference D052).

No waste from H-Canyon had been considered TRU, but careful examination by facility personnel had identified that waste containing alpha contamination levels in excess of the 1985 TRU limit of 10 nCi/g could be generated during special activities, such as construction or line breaks, in the Frames. The volume would probably be < 10 drums per year. Therefore, for ease of handling, and to better comply with the standards of the WIPP program, H-Canyon personnel and HBL personnel had agreed that the waste generated as TRU from the Frames would be assayed, drummed, and shipped through the HBL facility (Reference C132). The primary contaminant from Frame I is alpha from Pu-238 (Reference C135).

Low assay plutonium solution was blended with high plutonium solution to give an isotopic concentration of 80 to 81 percent Pu-238, which was suitable for fabrication of heat sources. The acidity of the blend was adjusted by using nitric acid. Additional adjustments used ascorbic acid and hydrazine mononitrate. Plutonium oxalate was precipitated and filtered from the adjusted feed solution prior to calcination. When the precipitation was complete, the slurry was filtered to recover plutonium oxalate. The precipitate cake was washed with oxalic acid, hydrazine mononitrate, ascorbic acid, and nitric acid, calcined to convert to plutonium dioxide.

4.7.2 New HB-Line Waste Generating Processes

The waste streams documented in this section were generated from the New HB-Line or from surveillance/maintenance activities and non-routine decontamination efforts. All waste generated from the gloveboxes was treated as TRU waste unless documented to be low level waste (References D005, D050).

Chemicals used in New HB-Line processing facilities are nitric acid, potassium fluoride, aluminum nitrate, sodium nitrite, ferrous sulfamate, ascorbic acid, hydrazine mononitrate, and oxalic acid. Additional chemicals used in the Waste Handling Facility are listed in Section 5.4.3.

All acid spills are neutralized prior to being disposed. Solid hydrazine is never brought into the HBL Facility. It is delivered as 30 percent hydrazine mononitrate solution in drums. Suspected hydrazine mononitrate spills are tested and cleaned up by Industrial Hygiene (Reference D050).

4.7.2.1 Scrap Recovery Facility (Phase I)

Phase I operations include opening, repackaging, screening, size reducing and dissolving scrap (References D005, D050). The facility is designed to receive and process material containing isotopes of plutonium, uranium, and neptunium from various on-site and off-site locations. Process materials can be in the form of solid or powdered oxides, pure metals, and mixed or alloyed with other metals. Phase I operations recover U-235, Pu-239, Pu-238, and Np-237 from scrap material and produce nitrate solutions for purification by anion exchange in HBL or solvent extraction in H-Canyon (References D003, D005, D058, D116). The process involves introducing prepared and assayed scrap into vessels containing nitric acid, filtering the dissolved product, and then educting the product with dilute nitric acid to the appropriate H-Canyon vessel (References D003, D058). A general process flowchart for Phase I is provided in Figure 9, Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery. As shown in Figure 2, the following campaigns were processed through New HB-Line Scrap Recovery: enriched uranium/plutonium material; Pre-Cassini Pu-238; Cassini Pu-238; high assay plutonium; Post-Cassini Pu-238; Low Assay plutonium (LAP); Pu-239 FB-Line sweepings; and enriched uranium/depleted uranium/Pu-239 (References D110, D114).

The Phase I cold feed preparation (CFP) area, provides Phase I with a remote site for chemical preparations and metered quantity introduction to the process line (References D003, D058). Chemicals used in Phase I include nitric acid, potassium fluoride, Al nitrate, and ferric nitrate. After the conditioned scrap is dissolved, it is filtered and then educted to H-Canyon (References D050, D058). Al nitrate is stored and prepared separately from flammable and combustible materials in the CFP. LAP and FB-Line sweepings were also processed in this facility. Wastes from this facility may be contaminated with Pu-238, Pu-239, U-235, or a combination of these distributions (Reference D005).

LAP, FB-Line sweepings, plutonium-beryllium material from FB-Line, and other FB-Line scrap materials were also processed in this facility. Wastes from this facility may be contaminated with Pu-238, Pu-239, U-235, or a combination of these distributions (References D005, D112, D113, D115).

The HBL Phase I Scrap Recovery Facility was processing scrap in 2003 referred to as desicooler material, which was a uranium-aluminum scrap with trace amounts of plutonium, neptunium, and americium. Most of this material was left over from a uranium oxide scrap recovery program that began in 1972 with material from Oak Ridge National Laboratory and Rocky Flats. Several cans of this material were processed under normal scrap recovery operations in 2003. However, a decision was made to stabilize the remaining material with Portland cement and water in 1-gallon paint cans to reduce the attractiveness level of the material (References D107, D108).

HBL also processed plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The

metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Material containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

The dissolution of composite materials containing plutonium and tantalum metals was being performed in Phase I of the HBL Facility in 2007 for subsequent disposition through the H-Canyon facility. The material is first rinsed with process water, placed into the dissolver using a nitric acid solution containing potassium fluoride and then burned, in part to destroy classified information. The first dissolution processes resulted in the precipitation of a fluoride salt containing plutonium which required further dissolution of the salt using aluminum nitrate and a longer heating time. As a result, the process was modified which resulted in more favorable outcomes (Reference D120).

4.7.2.2 Neptunium Oxide Facility (Phase II)

The original intent of Phase II was to convert nitrate solutions of neptunium into stabilized Np-237 oxide (References D005, D049). However, no operations occurred in this facility until late 2001, when nitrate solutions of Pu-239 were converted into plutonium oxide powder suitable for dissolution, blending, or long-term storage (References D049, D058, M022). Phase II shifted to neptunium processing in 2004. Neptunium solutions that have been in storage since the 1980s are being converted into an oxide and shipped to INL (References D005, D111, D112, D113, D116).

Phase II consists of two processing lines that can process either plutonium or neptunium. The operations include transferring plutonium or neptunium nitrate solutions from H-Canyon vessels to receipt tanks. The solutions are then processed through ion exchange columns to concentrate, and precipitation stages that produce oxalate cake after filtration. The cake is calcined and packaged as the final product (References D005, D049, D058, D116). A general process flowchart for the neptunium oxide process is provided in Figure 10.

The chemicals used in Phase II include nitric acid, ferrous sulfamate, sodium nitrite, ascorbic acid, hydrazine mononitrate, oxalic acid, and potassium permanganate. Aqueous nitric acid is mixed into an actinide feed solution and then chemically adjusted with ferrous sulfamate (References D005, D049, D058, P081).

4.7.2.3 Plutonium Oxide Facility (Phase III)

Phase III was designed to convert Pu-238 nitrate solutions to plutonium oxide powder suitable for fabrication into heat sources, but has not been in operation since 1997 (References D061, D058). The original mission for Phase III was to produce Pu-238 oxide for LANL (References D005, D050).

In 1985, the Pu-238 nitrate solution sent to Phase III came from the H-Canyon Frames Process HBL, which processed both low assay and blended material made from low and high assay material. Low assay Pu-238 was recovered from irradiated uranium fuel assemblies. High assay Pu-238 was recovered from irradiated neptunium target tubes. The targets were removed from the reactor and, after a cooling period, shipped to the separations facility. The targets were placed in a vessel, the cladding was removed, and the uranium metal and neptunium were dissolved. An ion exchange process separated the fission products, uranium, Np-237, and Pu-238. After separation in H-Canyon, the Pu-238 is in a nitrate form in nitric acid. It is then transferred to HBL Phase III, where it is converted into an oxide (Reference C139). An overview of the Phase III process is given below.

The new plutonium oxide process in Phase III was an improved version of the Old HB-Line plutonium oxide process used since 1961 (Reference D056). After Pu-238 nitrate solutions were received from the H-Canyon Frames Process, the solution was adjusted using ascorbic acid and hydrazine mononitrate. Oxalic acid was added to form plutonium oxalate. The plutonium oxalate was then calcined in a furnace to produce the Pu-238 oxide powder (References M061, M062). Finally, the Pu-238 oxide powder was packaged and shipped to another DOE facility (References D005, D050, D056). Pu-242 was precipitated in the same manner (References D050, D061). The brief Pu-242 campaign did not use ascorbic acid or hydrazine mononitrate (Reference D050).

The Phase III process lines are serviced with chemical solutions from the Phase II CFP area (Reference D058). The chemicals used in Phase III included 64 percent nitric acid, oxalic acid, potassium permanganate, ascorbic acid, and hydrazine mononitrate (Reference M061). The oxalic acid solution, and potassium permanganate used in the Phase III process was also prepared in the CFP.

Surveillance and maintenance activities in this facility continue to generate TRU waste contaminated with a heat-source (Pu-238) distribution. The Pu-242 formerly processed in this facility has been removed, and only residual amounts of Pu-242 remain (Reference D005).

HBL is currently processing plutonium and uranium scrap metal referred to as 3013 material as previously described in Section 4.7.2.1. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III

glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Materials containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

During the 3013 Campaign, the 3013 cans are opened and destructive analysis of the plutonium oxide is performed prior to the can being shipped to the HBL for dissolution in Phase I. Prior to dissolution, the plutonium-oxide may be washed utilizing an oxide washer in order to reduce the chloride content. The purpose of this is to reduce stress corrosion cracking of the processing equipment in Phase I (References D120, P119, P120, P121, P122, P125).

Repackaging of solid waste and solid materials containing enriched uranium/depleted uranium/natural uranium, plutonium, and/or neptunium is now permitted in the Phase III process line or confinement enclosures (e.g., glove-bags or huts) (Reference D116).

4.7.2.4 Other Facilities

Also contained within the HBL are a Waste Handling Facility and an area known as Room 410N. The Waste Handling Facility also contains the Analytical Laboratory. Although this facility was originally designed to prepare contaminated items for TRU waste disposal, it currently functions only as an Analytical Laboratory for analyzing samples and has been operational since 1991 (References D005, D058). Process operations in the Old HB-Line were permanently suspended in 1983, but the process equipment in Room 410N is used as part of the Phase II process operation (References D058, D116).

4.7.3 Old HB-Line D&R

The D&R process for the Old HB-Line began in about 1982, while the facility was still operational. A report issued by SRS in early 1994 (Reference D004) stated that a portion of the Old HB-Line (Neptunium Process and Scrap Recovery) had been undergoing D&D intermittently over the past nine years and, at the time of the report, the facility had been cleaned. The remainder of the facility was scheduled to be cleaned over the following three years. However, according to the August 2005HBL characterization plan and the August 2006 Safety Analysis Report (SAR), the third and fourth levels are in various stages of decommissioning and deactivation and continue to generate TRU waste (References D005, D116).

The D&R project followed a four phase process. The first step was the removal of all non-contaminated equipment, which also included flushing tanks, piping, and sumps.

In step two, process cabinets were emptied and cleaned. Cabinet interiors were decontaminated to a practical limit. Then the cabinets were painted to affix contaminants. The third step was the cabinet removal stage, where adjoining cabinets were separated and cut into sections to allow for packaging. Since the area was highly contaminated with plutonium, processing equipment was contained in gloveboxes or cabinets with controlled ventilation, to assure personnel protection. The last step was the decontamination of the vacated areas of the facility to as low a level of radioactivity as economically practicable. Tasks performed in this effort included painting walls, laying new floor tiles, and reinstallation of services such as lights, ventilation, and alarms. The Kelly decontamination system, which used a combination of steam and chemicals, was used to decontaminate large concrete areas. Contaminated wash water was pumped to the adjacent canyon for evaporation and transfer to the waste tanks. A Bead Blaster was used to remove deeply penetrated contamination from large areas of concrete floor. "Tacky" wipes were used to decontaminate smooth surfaces (Reference D004).

Waste from the D&R of the Old HB-Line was packaged in 55-gallon steel drums, and 45-, 90-, and 1500-cubic feet (cu ft) steel boxes. Small (2 x 3 x 4-ft) glovebox sections were packaged intact. Larger cabinets were cut into 2- to 3-ft segments and ducts were cut into flat sections and boxed (Reference D004). The packaged waste was transported to the SRS SWDF for interim pad storage to await final treatment and packaging for disposal (Reference D004).

4.7.4 Associated Maintenance and Housekeeping Activities

Maintenance activities conducted on HBL included the following (References C098, C129, D034):

- Lead-lined glove replacements (periodically and as needed)
- Repair of leaks
- Filter change-outs (References M023, P007, P007A, P031, P037, P084, P101)
- Changing panels on cabinets and huts
- Equipment repair (valve replacement, etc.)
- Inspection and cleaning of exhaust ducts to remove any plutonium accumulation (during January 1990 shutdown)

Routine housekeeping activities conducted by Operators included the following:

- Sump cleanout (Reference D090)
- Floor sweeping (References C031, C039, C117)

- Absorption of liquids
- Construction, breakdown, and disposal of huts adjacent to cabinets (References D067, P023)
- Bagging trash out of gloveboxes and cabinets (References C044, C131, M046, P022)
- Decontamination (References M012, P049)

All of these activities generated TRU and/or low-level waste (LLW) throughout the time period of waste generation. Some examples of waste-generating maintenance and housekeeping activities are provided below.

Sump Cleanout

Cabinet sumps were physically cleaned of items that may have fallen into them, such as vials and tape, including the filtrate cabinet and product hold cabinet sumps. Dissolvers were also emptied. The sumps were then flushed with liquid. The dissolver was also filled to its limit with nitric acid, sampled and discharged. Sumps required to be physically cleaned in the Phase III facility included the receipt cabinet, the precipitator, and the filtrate cabinets. Liquid flush solutions were ultimately sampled and transferred to H-Canyon (Reference P033). The Old HB-Line sumps were not cleaned as often as in the New HB-Line, but sumps were usually flushed out and cleaned between isotopic campaigns; cabinets were wiped down, and everything was removed (Reference C105). The rinsed wet nitric acid wipes that were used to clean the sumps were radiologically surveyed and either discarded or held for recovery of material (Reference D090).

Floor Sweeping Cleanup

Materials would be mixed at a ratio of 3:1 with vermiculite to assure no free liquids existed (References C031, C117). When neoprene glovebox gaskets covering the points where cabinets joined together would fail, neptunium sweepings were generated (Reference C105). The radioactive glovebox sweepings were recycled when practical to do so, (Reference D005) and were collected and put through Scrap Recovery.

4.8 Waste Certification Procedures

In the CCP program under which the subject waste stream will be certified for shipment to WIPP, CCP-TP-005 (Reference 3) directs compilation and confirmation of AK. CCP certifies TRU waste under the program described in CCP-PO-002 (Reference 10).

5.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.01

This section presents the waste stream information required by the WIPP-WAP and the WCPIP for waste stream SR-RH-221H.01 (References 1 and 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

5.1 Area and Building of Generation

The waste in this debris waste stream was generated in the old and New HB-Line facilities located inside the H-Canyon facility. HBL waste was generated primarily from areas inside process cabinets or gloveboxes, huts erected around glovebox entry ports, or areas contaminated with radioactive material adjacent to the process cabinets/gloveboxes.

5.2 Waste Stream Volume and Period of Generation

Waste stream SR-RH-221H.01 currently consists of 15 55-gallon drums generated between July 1977 and November 1990. This RH waste stream corresponds and was originally included in CH Waste Stream SR-W027-221H-HET, consisting of approximately 7,400 containers. Any additional containers from CH waste stream SR-W027-221H-HET determined to be RH waste could be included in this waste stream (References 14, C197, M169). A detailed description of the physical, chemical, and radiological waste characteristics is provided in the following sections.

5.3 Waste Generating Activities

The processes by which the waste stream under consideration was generated are described in detail in Section 4.7 with detailed process flow diagrams provided in the figures at the end of this report. Routine operational activities (housekeeping/cleaning, process equipment adjustments, radiological surveys, etc.) and preventive and corrective maintenance were the major waste producers. Other contributing activities included facility modifications, decontamination, sump clean out, absorption of liquids, glove replacement on process cabinets and gloveboxes, various mechanical and electrical repairs, maintenance, and change-outs of process equipment, piping, cabinet panels, and other equipment. One other major waste generating activity was the D&R of most of the Old HB-Line gloveboxes (References D004, C105).

5.4 Type of Waste Generated

This section describes the process inputs, Waste Matrix Code assignment, waste material parameter (WMP) weight estimates, radionuclide contaminants, and RCRA hazardous waste determination for waste stream SR-RH-221H.01. The waste stream is characterized based on knowledge of the materials, knowledge of the processes generating the waste, and physical descriptions of the waste.

The waste stream is primarily heterogeneous organic debris by volume, with the balance being composed of inorganic debris and absorbed liquids. The SRS designation for waste items/materials discarded because they were no longer useable or needed was "Job Control Waste," which was designated on SRS Waste Management forms as Content Code 001 until 1998 (References M066, M108, M109, M110).

Although the SRS definition of job control waste did not include filters, some small HEPA and AEC filters that were of a size that did not require them to be packaged in boxes have also been identified in the waste (References M014, M015, M115). Heterogeneous waste may also include small quantities of inorganic absorbents and absorbed organic liquids (References M026, P024).

5.4.1 Materials Related to Physical Form

The following description of Job Control Waste was contained in several HBL procedures and other SRS reports (References C032, D015, D075, M041, P014, P073):

Job Control (Content Code 001) – paper, wipes, cloth rags, uniforms, cartons, gloves, miscellaneous wood, plastic film, sheeting, bottles, drum liners, windows, labware, sponges, miscellaneous rubber, Plexiglas, leather, firebrick, glassware, ceramic, small tools, miscellaneous metal hardware, crucibles, pipe, tubing and fittings, instruments, motors, hot plates, and shipping containers.

Examples of container-specific waste items described on generator and packaging forms (References M014, M015, M115, M125, M127, M133), include:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners

- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as HEPA filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Prior to 1986, SRS procedures did not require the recording of narrative descriptions or organic volume/weight percent (vol/wt%). However, the BGR (OSR 7-375) (References C055, M014) that was completed at the time of packaging did indicate a Waste Type Code and, in some cases, a brief description. Code "1" denoting job control waste (defined as housekeeping waste and protective clothing) was assigned to the large majority of containers generated in the waste stream during the pre-1986 time period (References M014, M052).

Homogeneous solids waste (e.g., bottles containing absorbed liquids) are included in drums of debris waste; however, individual drums will contain less than 50 percent, by volume, of these materials (References M126, M127). Drums in which CCP radiography identifies more than 50 percent, by volume, homogenous solids waste will be rejected and removed from the debris waste stream.

5.4.1.1 Waste Matrix Code

Waste stream SR-RH-221H.01 is primarily made up of heterogeneous debris consisting of booties, lab coats, floor sweepings, labware, rags, small tools and equipment, and other job control waste (Reference M026).

Beginning in approximately 1996, OSR 29-90, TWCCs (References M015, M115) replaced TWPDs. TWCCs provided detailed WMP data, but did not include volume percent (vol%) organic data. Instead, WMP descriptions and weight percents were provided. Waste material parameter densities were used to convert the wt% data to vol%. Based on an evaluation of WIPP Waste Data System (WDS) data and

OSR 29-90 data Waste Matrix Code (WMC) S5440 Predominantly Organic Debris has been applied to the corresponding CH waste stream SR-W027-221H-HET (References 22, M112). However, based on a review of more current WDS data for the corresponding CH waste stream, Waste Matrix Code S5400, Heterogeneous Debris, is more appropriate for this waste stream due to the wide range of inorganic and organic materials in these drums. Therefore, WMC S5400 is assigned to waste stream SR-RH-221H.01. This category includes waste that is at least 50 percent, by volume, debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300) (References 14, M112, M169).

5.4.1.2 Waste Material Parameters

The WMPs for the waste stream were estimated by using the characterization data from CH waste stream SR-W027-221H-HET and contained in the WDS for 7,014 drums from radiography lots 1 through 143 which give data available up through February 3, 2006. The waste in this RH waste stream is physically identical to the CH portion (the only difference being the surface dose rate on the drums). The CH data is therefore representative of the RH containers. Waste items were categorized into one of the following WMPs: iron-based metals/alloys, aluminum-based metals/alloys, other metals, other inorganic materials, cellulosics, rubber, plastics (waste materials), inorganic matrix, organic matrix, and soils/gravel. The WMP weights were assessed and an average was determined that was applied to the RH waste stream. The results of the assessment are presented in Table 1, Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates.

The evaluation of data for the WMP weights for the waste stream is documented in a memorandum as required by CCP-TP-005 for each waste stream (Reference 3).

Table 1. Waste Stream SR-RH-221H.01 Waste Material Parameter Estimates

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	25.80	0.0 –97.27%
Aluminum-based Metals/Alloys	1.06	0.0 – 64.63%
Other Metals	0.28	0.0 – 70.87%
Other Inorganic Materials	9.29	0.0 - 93.69%
Cellulosics	5.70	0.0 – 95.41%
Rubber	16.69	0.0 – 97.56%
Plastics (waste materials)	40.43	0.0 – 98.36%
Soils/Gravel	0.0	0.0 – 0.0%
Inorganic Matrix	0.70	0.0 – 92.50%
Organic Matrix	0.04	0.0 – 73.68%
Total Inorganic Waste Avg.	**37.13%**	
Total Organic Waste Avg.	**62.86%**	

5.4.2 Radiological Characterization

This section summarizes the methods used by SRS to report the radioactive content of containers in the corresponding CH waste stream SR-W027-221H-HET. RH waste stream SR-RH-221H.01 consists of drums originally included in the corresponding CH waste stream, and this report includes information to bound any container originally assigned to the corresponding CH waste stream and determined to be RH. Based on this waste stream correlation, the generator reported radiological characterization data found in CCP-AK-SRS-4 for the waste stream SR-W027-221H-HET (Reference 14) is representative of RH waste stream SR-RH-221H.01 for the purposes of this report.

It should be noted that the SRS characterization approach described in this section does not represent the approach implemented by CCP. The approach implemented by CCP to fully characterize this waste stream is documented in CCP-RC-SRS-601, *CCP Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site, Waste Stream: SR-RH-221H.01* (Reference 16). The information contained in this section is only intended to provide historical AK data related to the management of this waste stream by SRS and to describe generator reported radiological data that may be found on various waste management and waste storage forms.

The waste streams described in this section include waste from both Old and New HB-Line. As previously discussed, the HBL processed Np-237, Pu-238, and recovered scrap, including enriched uranium/plutonium, U-235, and Pu-238, as shown in Figure 5 (References C063, C066). The timelines presented as Figures 5 through 7 of this report indicate the times during which different process lines were running.

The fact that the HBL housed several radiologically-different processes and that process/isotopic-specific waste segregation was not required when waste cuts were placed into waste containers, complicates the determination of isotopic ratios expected in these waste streams. Documentation states that waste cuts from several different projects, each with a unique isotopic distribution, were placed together in a single drum (References C094, C098, D031). Also, after 1986, guidance was given to place all mixed waste cuts in the same drum to minimize the number of mixed waste drums (References C008, P018, P091).

In addition to routine campaigns, special campaigns involving other radionuclides or different isotopic ratios cause additional variability in the isotopic ratios for the waste streams (References C024, M056). Waste was also generated as a result of contamination incidents, (References C098, C100, C105, C114, C157, D053, D065, D066), D&R activities and special cleanup activities (Reference D090). Additionally, some materials received from off-site were declared waste rather than utilizing the materials in scrap recovery.

As discussed in Section 4.7.3, Old HBL D&R activities took place over many years. During this D&R, containment units, as well as the vacated facility, were decontaminated. All equipment and highly contaminated containment cabinets were then removed and packaged as waste. Over 100,000 cu ft of TRU waste was generated from this activity (Reference D004).

Because this D&R effort removed all equipment and related containment, any contamination from operations prior to 1970 would be expected in the resultant waste streams. For example, from 1964 through 1970, SRS produced U-233 for research. These operations were performed in tanks installed for the Neptunium Recovery Program (Reference D054).

In order to produce U-233, thorium was irradiated in reactors and then dissolved in acid prior to extraction of the U-233 product. There were five thorium-processing campaigns with a total of about 240 tons of thorium processed. Two of the campaigns involved thorium metal and three campaigns involved thorax (thorium oxide) (References C164, D019, D054, D095, D098, M069). Therefore, both Th-232 and U-233 are expected in the waste generated from D&R activities.

In July 1977, a complete mockup of the Oxygen-16 exchange system was constructed to evaluate the calcination furnace in HBL. Concurrently, a cold test using thorium as a substitute for Pu-238 was performed. Thorium oxalate powder was calcined in the furnace using the same operating parameters as those used for the Pu-238 product (Reference D101).

Another possible source of thorium is from the irradiation of enriched uranium routinely produced for the production of Np-237. Over time, the U-236 fraction in the enriched uranium increased to approximately 50-60 wt%. U-236 in the targets yielded more

Np-237, which could be separated for Pu-238 production. If some of the U-236 in the enriched uranium carries over into the Np-237, decay products of U-236 are expected, which includes Th-232 and its daughters (Reference C164). If this were the only source of thorium, the quality of Th-232 would be proportional to the Np-237 quantity; however, there are many potential sources of thorium in the waste. A final possible thorium source is scrap material processed in HBL. Because of these activities, thorium, which has a natural isotopic abundance of 100 percent Th-232, is expected in routine and D&R waste from HBL (References C162, D004, D006, D049, D054, D095, D098, D101, M069).

The radiological characterization for corresponding CH waste stream SR-W027-221H-HET has identified the radionuclides suspected to be in waste stream SR-RH-221H.01. There are 2,890 drums with NDA available in the WDS from waste stream SR-W027-221H-HET. The results for these drums were averaged and are presented in Table 2, Reported Radionuclides in Waste Stream SR-RH-221H.01 (Reference M169).

Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01

Radionuclide	Total Radionuclide wt%	Suspected Present?
WIPP Required Radionuclides		
Pu-238	8.12	Y
Pu-239	5.41	Y
Pu-240	0.41	Y
Pu-242	0.02	Y
Am-241	0.05	Y
U-233	0.04	Y
U-234	3.94	Y
U-238	18.53	Y
Cs-137	0.0	Y
Sr-90	0.0	Y
Additional Radionuclides		
H-3	0.0	Y
C-14	0.0	Y
Na-22	0.0	Y
Ni-59	0.0	Y
Co-60	0.0	Y
Se-79	0.0	Y
Tc-99	0.0	Y
Ru-106	0.0	Y
Sb-125	0.0	Y
Sn-126	0.0	Y
I-129	0.0	Y
Ba-133	0.0	Y
Pb-214	0.0	Y
Ba-137m	0.0	Y
Cs-134	0.0	Y
Ce-144	0.0	Y

Table 2. Reported Radionuclides in Waste Stream SR-RH-221H.01 (Continued)

Radionuclide	Total Radionuclide wt%	Suspected Present?
Additional Radionuclides (Continued)		
Pm-147	0.0	Y
Eu-152	0.0	Y
Eu-154	0.0	Y
Tl-208	0.14	Y
Bi-214	0.0	Y
Ac-227	0.0	Y
Th-232	57.17	Y
U-232	0.0	Y
U-235	2.88	Y
U-236	0.0	Y
Pu-241	0.15	Y
Am-243	0.0	Y
Cm-243	0.0	Y
Cm-244	0.0	Y
Cm-245	0.0	Y
Np-237	3.16	Y
Cf-249	0.0	Y

5.4.3 Chemical Content Identification – Hazardous Constituents

The HBL waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as non-hazardous and hazardous. A review of available AK documentation has determined that this waste is hazardous.

The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste streams as a whole. The assignment of these HWNs was based on a review of chemical inputs to the waste generating operations and hazardous materials potentially contaminating. the waste. In addition, MSDSs and other manufacturer information were obtained for the commercial products to determine the presence of RCRA regulated constituents.

The assignment of HWNs to waste stream SR-RH-221H.01 is based on the characterization of the corresponding CH waste stream described in AK Summary Report CCP-AK-SRS-4 (Reference 14). Since this RH stream consists of drums originally included in the corresponding CH stream, the HWNs assigned to the CH stream have been applied to any container determined to be RH. Waste was generated directly from these processes and from associated activities such as maintenance and decontamination. Table 3, Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01, summarizes the expected chemical contaminants and associated HWNs applicable to the SR-RH-221H.01 waste stream.

Prominent HBL process chemicals used in the three HBL processes included the following:

In the Scrap Recovery Process

- Nitric acid in Scrap Recovery for dissolving plutonium, uranium, and neptunium metals and alloys, plutonium-zirconium, and plutonium-uranium-zirconium alloys or scrap containing metallic zirconium, plutonium-aluminum, and plutonium-uranium-aluminum alloys or scrap containing metallic aluminum, and scrap containing metallic beryllium (References D006, D055), as well as other major types of scrap (Reference D006). The New HB-Line Scrap Recovery process was very similar, with solid scrap being dissolved in hot nitric acid, filtered, collected and sampled, and further diluted with nitric prior to transfer to the H-Canyon as a nitrate solution (References D003, D005).
- Trace fluoride in nitric acid (References D003, D005, D055).
- Aluminum (Reference D055) as aluminum nitrate (Reference D005).

Table 3. Expected Chemical Contaminants for TRU Waste Stream SR-RH-221H.01

Constituent	EPA Haz Waste No. Applied	Suspect Present (Y/N)	State Haz. Waste No.	Section Describing Rationale if HWN is Not Assigned
Acetone	None	Y	None	5.4.3.1
Beryllium	None	Y	None	5.4.3.4
Carbon tetrachloride	F001/D019	Y	None	NA
Chloroform	D022	Y	None	NA
Cyclohexanone	None	Y	None	5.4.3.1
1,1-Dichloroethylene	D029	Y	None	NA
Hydrazine	U133	Y	None	NA
Methanol	None	Y	None	NA
Methyl ethyl ketone	F005	Y	None	5.4.3.1
Methylene chloride	None	Y	None	5.4.3.2
Polychlorinated biphenyls (PCBs)	None	N	None	No applicable HWN
Freon	F002	Y	None	NA
Tetrachloroethylene	F001/F002 /D039	Y	None	NA
1,1,1-trichloroethane	F002/F001	Y	None	NA
Trichloroethylene	F001/F002 /D040	Y	None	NA
Vinyl chloride	D043	Y	None	NA
Others				
Ethyl acetate	F003	Y	None	NA
Metals				
Beryllium	None	Y	None	No applicable HWN
Cadmium	D006	Y	None	NA
Lead	D008	Y	None	NA
Mercury	D009	Y	None	NA
Note - The following chemicals were investigated and found to be not present in this waste stream: benzene; bromoform; butanol; carbon disulfide; chlorobenzene; cresols (o-, m-, and p-cresols); 1,2-dichlorobenzene; 1,4-dichlorobenzene; 1,1-dichloroethane; 1,2-dichloroethane; cis-1,2-dichloroethylene; trans-1,2-dichloroethylene; 2,4-dinitrophenol; 2,4-dinitrotoluene; ethyl benzene; ethyl ether; formaldehyde; hexachlorobenzene; hexachloroethane; isobutanol; methanol; nitrobenzene; pentachlorophenol; pyridine; 1,1,2,2-tetrachloroethane; toluene; trichlorofluoromethane; 1,1,2-trichloroethane; xylenes; antimony; arsenic; barium; nickel; selenium; silver; chromium; thallium; and vanadium.				

- Anion exchange in Scrap Recovery uses nitric acid, ferrous sulfamate, aluminum nitrate, sodium nitrite, hydrazine mononitrate, mercuric nitrate, and potassium fluoride.

- Sodium nitrite used in the dissolver system to oxidize uranium (References D005, D006).

- Other cold feed chemicals in the New HB-Line included potassium fluoride, aluminum nitrate, and ferric nitrate (References D003, D005, D006, D061, M058).

Lab Line (Reference D005)

The waste handling line was converted to a lab line that analyzed samples and generated TRU lab waste, including liquid samples that were absorbed in non-hazardous Oil-Dri and bagged out (Reference C105). The overall process was described as follows (References C136, P078). The lab received samples in plastic vials, composited up to four samples, performed analyses as requested, and poured excess sample into "recoverable liquid" bottles that were sent to the Canyon. Prior to June 1995, all liquids were bagged out of the line and recovered; after this time, they generated a "lab waste" category that was absorbed in Oil-Dri and was non-recoverable. Lab activities routinely generating waste included glove changeouts conducted at least every 30 days, glovebox cleanouts conducted at the end of each campaign, liquid analyses, and sample vial disposal. One special waste-generating event was the disposal of about 50 bottles of accumulated liquid waste following work to demonstrate that HBL was meeting Cassini Product Specifications. The following process chemicals were routinely used in the lab line (References C136, D005, P001):

- Acid titration – potassium oxalate (KC_2O_4), phenolphthalein indicator, 0.1Molar (M) sodium hydroxide

- Determination of solids in liquid – nitric acid; hydrofluoric acid

- Nitrite indicator – sodium nitrite, sulfuric acid, indigo indicator

- Diode array – a matrix solution (used frequently) containing nitric acid, sulfamic acid, ferrous sulfamate, and oxalic acid

- Oxalic acid molarity measurement – sulfuric acid, Na permanganate

- Density measurements – water, acid

- Solid sample dissolution – nitric acid, dilute hydrofluoric acid

- Plutonium precipitation – oxalic acid

In Np-237 Oxide Process

- Precipitation of and product quality determinations for neptunium Oxalate - hydrazine, nitric acid (Reference D007).

- Pu-239 processing - hydrazine mononitrate (Reference C105), which is pumped out of a 55-gallon drum in Cold Feed (outside of the process line) into a poly bottle and hand-carried down to the cabinet for addition by funnel.

In Pu-238 Oxide Process

- Prior to plutonium precipitation - ascorbic acid and hydrazine mononitrate used for plutonium valence adjustment circa 1985 (References C152, D056).

- Precipitation and filtration - oxalic acid. The precipitator and the precipitate are washed with a wash solution that contains oxalic acid, hydrazine mononitrate, and ascorbic acid in nitric acid (References C098, D056).

- Hydrazine mononitrate was used as a reducing agent in both the Old and New HB-Lines in the Oxide Line. It was also being used in Pu-239 processing in Phase II in 2002 (Reference C105).

- Nitrate solutions received from the H-Canyon frames were molarity-adjusted for nitric acid (References C116, D005, M061).

In addition to major process chemicals, other chemicals could be added by funnel addition in a process room; gloveboxes in these areas had inside and outside funnels (Reference C105).

HBL-Specific Chemical Information

SRS began to manage TRU mixed waste as RCRA beginning in June 1987 (Reference C088), around the time when they began implementing a TRU Waste Certification Program, of which HBL was a part, for waste to be disposed at WIPP (Reference C105). Under this program, HBL was audited in 1988-89, and began "to do better segregation of waste" and package and characterize it to meet program requirements, including segregating mixed waste from other TRU non-hazardous waste (Reference C105). From about 1986 forward, HBL waste generators were able to indicate HWNs applicable to the waste they were packaging on TWPDs, except that they did not indicate F001-F005 HWNs for solvent-contaminated wipes or rags; a review of these forms from the 1986-1990 time period (References M014, M066) reveals that generators assigned the number D008 for lead. By 1988, under the TRU waste certification program, liquids and sludges were segregated from certifiable waste prior to bagout, as verified by x-ray (Reference D088). Hazardous materials that could be disposed of in TRU waste were listed in procedures or posted in work areas.

TRU waste management changes were made in January 1990 in response to regulatory concerns with the management of solvent rags and potentially other hazardous wastes (Reference C006). At this time, SRS waste-generating facilities were asked to identify chemical inventories (Reference C067). On January 19, 1990, the SRS, Environmental Protection Department (EPD) issued a memo summarizing recent regulatory guidance that would require considering solvent-contaminated rags/wipes to be hazardous under certain conditions. Affected SRS activities were anticipated to include decontamination or degreasing "using Freon, acetone, methanol, methylene chloride, and other RCRA-listed solvents..." as well as trichloroethylene (TCE)-assisted decontamination activities (Reference C083). On January 25, 1990, the EPD issued guidance requiring generators to handle all rags and wipes as hazardous waste and noting that the guidance might affect decontamination, degreasing, lubricating, or any other activities that dissolved or mobilized other constituents (Reference C029). These memos were followed by two special procedures requiring that absorbent materials such as rags and wipes contaminated with F001-F005 solvents be classified as hazardous and that "use of unapproved solvents shall be discontinued except for Environmental Safety & Health (ES&H) purposes" (Reference C083). Waste generated prior to January 25, 1990, was to be segregated if it was suspected to be contaminated with solvents based on process knowledge.

Supplemental guidance issued on January 24, 1990, allowed rags contaminated with F003-listed solvents to avoid being considered hazardous provided that they did not contain free ignitable liquids (Reference C083). This policy was further supported in a February 6, 1990 memo outlining answers to generator questions regarding the solvent rag guidance and allowing the continued use of listed solvents such as Freon under certain conditions (Reference C083). As a result of this change, in October 1990, SRS Waste Management Operations stopped accepting newly generated waste until verification of a formal, auditable program to ensure proper management of hazardous and mixed wastes was completed for each generator (Reference C006). In addition, each Department was required to implement the site Blue Dot program for F-listed solvents and products containing Toxicity Characteristic (TC) constituents. This program required that a Blue Dot ID sticker be placed on any product that contained RCRA-listed chemicals (References C006, C105, P003). It was noted that "the Blue Dot" program was identified as the primary control for chemical products that become hazardous waste upon disposal, but notes that U- and P-listed chemicals were not controlled under the Blue Dot program (Reference D069).

An inventory conducted in January 1990 found hazardous chemicals stored in HBL with current MSDS information available (References C017, M051). The January 25, 1990 SRS EPD guidance on solvent rags was supplanted in HBL in August 1991 by a Blue Dot program for managing and labeling hazardous chemicals (References C090, P076). This program was noted in a 1991 TRU waste characterization document and other procedures, which noted that chemicals used in HBL are labeled with a Blue Dot under the Blue Dot Program if they may contain hazardous constituents (Reference D005, P003). By procedure, non-hazardous substitutes were to be researched for all

chemicals with hazardous constituents; if no substitute could be found and a Blue Dot chemical was used, "every attempt to use all the product shall be made," which HBL personnel recalled (References C105, P076). An example of the implementation of this procedure is the replacement of Magnaflux and SpotCheck with the non-hazardous chemical Magnaflux Spotcheck SDC-S (Reference M051). Also, the facility Chemical Coordinator was to be consulted to determine proper management of Blue Dot chemical-contaminated waste materials used for application or cleanup. Non-empty Blue Dot chemical containers were prohibited from being placed in waste containers (Reference P076). According to HBL personnel, a site wide program listed Blue Dot chemicals like Magnaflux (Reference C105). Under this program, nothing with a Blue Dot was supposed to be used in the cabinets or huts; however, White Dot chemicals were safe to use (Reference C105). The Blue Dot program was still in place in 1999 and may still be in effect in HBL (References C105, D067). Procedures provided instructions to HBL waste generators on completing waste characterization forms such as the BGR and TWPD (References C014, P026, P073).

The actual implementation of this program through the 1990s is documented to some degree in HBL procedures. According to HBL Waste Operators, they did start to segregate solvent rags out of TRU waste and place them in separate drums. HBL personnel noted that ascorbic/oxalic acids were used for cleaning instead of solvents; as a result, no organic solvent-contaminated kim wipes and swipes from inside of gloveboxes should have been packaged in TRU waste containers (References C105, P033). By 1993, procedures stated that liquids were to be removed from waste rags contaminated with F-listed solvents and that rags with F003 solvents were to be segregated from other F-listed solvent rags. Waste categories and any HWNs were written on an OSR 29-14 Hazardous Waste Label (Reference P090).

A 1996 procedure (Reference P026) describes the only HBL mixed waste generated routinely as "lead lined gloves that have been used in process cabinets." The type and quantity of mixed wastes were to be specified on Waste ID Slips stored with waste in a satellite area until containers were filled (or 11 5-gallon drums had accumulated) and then moved to a staging area (Reference P096). Storage of mixed waste in separate satellite accumulation areas was also specified in low-level waste procedures (Reference P103). Hazardous waste labels were explicitly required for waste cuts of lead-lined gloves. The procedure listed potential mixed waste in several places, but the exhaustive list includes lead, mercury, cadmium, acid, nitrates, and oil as major chemicals from HBL (References M037, P026); the procedure identified acids and nitrates as non-hazardous, provided that they were solidified. Figure 11, Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery, which was not referenced anywhere in the text of the procedure, listed F001-F005 RCRA-regulated solvents and instructs "Using the MSDS chemical composition section, products must have greater than 10 percent of the following contaminants and be used as solvents to require a blue dot and have special disposal requirements." No mention of solvent rags was made in this attachment. Solvent waste was considered procedurally as a separate category of waste from glovebox and hut wastes. The following guidance on packaging solvent rags was provided: remove as much solvent as possible from the rags, contact the waste

handling supervisor for solvent classification before disposal, segregate rags "permeated" with F003 solvents from rags "permeated" with other F-listed solvents, and identify the waste with a hazardous waste label listing the HWN (F001-F005). After a 1997 revision of this procedure, hut waste was moved into a separate procedure with the same number and all information regarding solvent waste was removed. The only mixed waste contaminants listed were lead, mercury, and cadmium (Reference P026).

Consistent with this procedure, other 1996 procedures included Waste ID Slips or other generator waste characterization forms with spaces on which generators were to indicate Hazardous Materials present in the drum, with the following options: lead, oil, cadmium, mercury, calcium, and other (References P015, P034). A cabinet bag-port operation procedure and other later procedures specified that wastes were allowed to have only the following WIPP-acceptable EPA HWNs, although waste with other EPA HWNs could be accepted for storage with an approved deviation request (References P015, P094). In a 1997 procedure on packaging 55-gallon TRU waste drums, only the following options were included for labeling drums with hazardous South Carolina Department of Health and Environmental Control waste numbers: D001, D008, F002, F003, and other (Reference P014), although by October 1997, this list was replaced with guidance to contact the facility Generator Certification Official (GCO) for wastes other than leaded gloves. The term "mixed waste" also applied to TRU mixed waste (Reference P014). These procedures also continued to specify that drums containing mixed waste were to be stored in a separate Mixed Waste Staging Area (Reference P014).

According to Solid Waste Management (SWM) personnel, SRS waste generators started to assign F, U, P, and other HWNs to TRU waste after 1996. SRS had an agreement with the state regulator that it would manage waste with all possible applicable HWNs and remove HWNs if needed as characterization information was obtained (Reference C146).

Waste stream SR-RH-221H.01 may contain waste generated in HBL prior to January 25, 1990. As such, HWNs historically applied to this waste stream have been assessed on the basis of HWNs applied by generators in the 1986-1990 time period on TWPDs (Reference M014) and HWNs applied by SWM to the entire pre-1990 inventory (References D018, D021, D034, D075, P052, P061), as shown in Table 4, Hazardous Waste Numbers Historically Applied (other than Metals). In addition to the HWNs shown in this table, the 1995 Transuranic Waste Baseline Inventory Report (TWBIR) suggested applicability of the following HWNs for HBL waste: D004, D006, D007, D008, D009, D011, D018, D023, D024, D025, D026, P012, P015, P048, P113, P120, U032, U052, U080, U133, U144, U151, U161, U220, U239.

Table 4. Hazardous Waste Numbers Historically Applied (other than Metals)

Chemical Name (Number)	Old RCRA permit drafts (D018, D075)	Repackaging procedures (P052, P061)	SRS SWM Determination (D059)
Halogenated spent degreasing solvents (F001)	Yes (carbon tetrachloride, perchloroethylene (PCE), trichloroethylene (TCE), 1,1,1-trichloroethane (TCA)	Yes	No Determination
Halogenated spent solvents (F002)	Yes (PCE, 1,1,1-TCA, and TCE)	Yes	No Determination
Ignitable spent solvents (F003)	Yes (acetone and methanol)	Yes	No Determination
Spent solvents (F005)	No	Yes	No Determination
Ignitable (D001)	Yes (Magnesium [Mg], phosphorus [P], Na)	Yes	Should not be applied
Reactive (D003)	Yes (hydrogen [H_2], Mg, P, and Na)	Yes	Should not be applied
Carbon tetrachloride (D019)	Yes	Yes	No Determination
Chloroform (D022)	Yes	Yes	No Determination
1,1-Dichloroethylene (D029)	Yes	Yes	No Determination
Tetrachloroethylene (D039)	Yes	Yes	No Determination
Trichloroethylene (D040)	Yes	Yes	No Determination
Vinyl Chloride (D043)	Yes	Yes	No Determination
Acetone (U002)	Yes	Yes	Should not be applied
Vinyl Chloride (U043)	Yes	Yes	No Determination
Chloroform (U044)	Yes	Yes	Should not be applied
1,1-Dichloroethylene (U078)	Yes	Yes	Should not be applied
1,2-Dichloroethylene (U079)	Yes	Yes	No Determination
1,4-Dioxane (U108)	Yes	Yes	Should not be applied
Hydrofluoric acid (U134)	Yes	Yes	Should not be applied
Methanol (U154)	Yes	Yes	Should not be applied
1,1,2,2-Tetrachloroethane (U209)	Yes	Yes	Should not be applied

Table 4. Hazardous Waste Numbers Historically Applied (other than Metals) (Continued)

Chemical Name (Number)	Old RCRA permit drafts (D018, D075)	Repackaging procedures (P052, P061)	SRS SWM Determination (D059)
Tetrachloroethylene (U210)	Yes	Yes	No Determination
Carbon Tetrachloride (U211)	Yes	Yes	Should not be applied
1,1,1-Trichloroethane (U226)	Yes	Yes	Should not be applied
Trichloroethylene (U228)	Yes	Yes	No Determination

In 2002, the SRS Solid Waste Division determined that the following RCRA HWNs did not apply to HBL/H-Canyon waste generated prior to 1986 (References C155, D059): U226 (1,1,1- trichloroethane); U209 (1,1,2,2-tetrachloroethane); U078 (1,1-dichloroethylene); U079 (1,2-dichloroethylene); U108 (1,4-dioxane); U002 (acetone); U211 (carbon tetrachloride); U044 (chloroform); U134 (hydrofluoric acid); D003 (hydrogen, mercury, phosphorus, and sodium); D001 (mercury, phosphorus, and sodium); U210 (tetrachloroethylene); U228 (Trichloroethylene); U043 (vinyl chloride); and U154 (methanol). These HWNs, as well as others (Reference C151), were "incorrectly applied" during SWM activities from 1992-2000, including drum retrieval operations (References C104, C155, D021, D024, D031, D059, M026, M034). The HWNs were initially applied after development of an exhaustive list of all chemicals that could have been present in the facility, followed by assignment of, "all waste codes associated with these chemicals," regardless of usage. During drum retrieval, although SWM believed that a more definitive basis for the HWN assignment was necessary, "in the interest of time, all the codes identified ... were assigned to these TRU waste containers" (Reference D059).

Potentially hazardous trade-name chemicals that were used or present in HBL include the following (References C017, C057, C105, C152, M051, P048):

- Triclene – TCE (Reference C105),
- EZ Weld Gray Polyvinyl chloride (PVC) Cement – tetrahydrofuran, up to 30 percent Methyl ethyl ketone (MEK), and up to 10 percent cyclohexanone,
- Raycohesive B-84 – 70 percent 1,1,1-Trichloroethane and 10 percent Methylene chloride (1994 formulation and MOR-AD B-32 (replacement for Raycohesive),
- Magnaflux SKC-NF/ZC-7B Cleaner/Remover – 1,1,1-Trichloroethane
- Trichlorotrifluoroethane/Freon (Reference C017)

- SpotCheck Developer (Reference C105) – 40 percent Ethyl Acetate, 30 percent Acetone, and up to 70 percent propanol in other formulations.

Additional chemicals used in the HBL, but that will not be hazardous in final waste form, included 3-36 aerosol lubricant with petroleum distillate, As Low as Reasonably Achievable 1146 strippable coating with water and polyvinyl butyral (References C012, C018, C105, M051), Aerokoil, BH-38 cleaner or appropriate substitute (Reference C020), Clorox, Crown Industrial Products Wasp & Hornet Killer with petroleum distillate solvent, Duco cement, Easy-Off oven cleaner, Elvacet with polyvinyl acetate, Freedom Speed Stripper (water-based), M-Bond 200 Catalyst for cyano acrylate resin, MS-230 Contact Re-Nu, Nokorode Soldering Paste, Rapid Tap, SC-200 cleaner with sodium hydroxide (References C017, C152, M051), SCD-2 (Reference C152), Scene glass cleaner – 12 percent ethanol, Spotcheck Cleaner-Remover (Reference C105) with light naphtha, Stripcoat TLC used on the inside of gloveboxes during D&R containing ammonia (References C105, C152), Xerox 6200/6500 Drum Cleaning Solvent with isoparaffinic hydrocarbons, and Alconox soap (Reference C152). Other products used for general cleaning and decontamination in HBL include Basic-H, Isoclean, HD 400, Formula 409, Blue Whiz, Zap-O-Kleen, Brillo, Comet, Tide, Borax, Clowhite bleach, Safest Stripper, oxalic acid, ethanol, and isopropyl alcohol (References M134, P049).

As previously mentioned, the lab line was a new facility in HBL beginning operation in 1991. Lab line chemicals did not include acetone, isopropanol, or any other flammable liquids in the lab due to high heat generation by the Pu-238 (Reference C136). Also, due to an incident in which tributyl phosphate (TBP) was found in H-Canyon sample vials in violation of Canyon specifications, the lab was prohibited from using any organic chemicals. Halogenated chemicals were avoided due to stainless-steel piping sensitivity to them. None of the chemicals for which SRS historically assigned HWNs were used in the lab line, with the exception of hydrofluoric acid and hydrazine (Reference C136).

New HB-Line sumps were constructed with a nitric acid flush system so that sump cleanouts of liquids and sludges were more infrequent than in the Old HB-Line (References C105, P025). Generally, cabinets were cleaned out and sumps were flushed out between isotopic campaigns (Reference C105), resulting in the recycling of many but not all spill residues (Reference D059). Recent procedures for cleaning up chemical spills consisted of obtaining an MSDS, contacting the HBL chemical coordinator for cleaning and disposal instructions, and washing nitric acid from contaminated combustible waste rags (Reference P077).

5.4.3.1 F-Listed Constituents

Based on review of AK relative to chemicals historically used or present in the HBL, waste stream SR-RH-221H.01 contains or is mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR, Part 261.31, *Identification and Listing of Hazardous Waste* (Reference 11).

As shown in Table 4, HWNs F001, F002, F003, and F005 were historically applied to SRS HBL TRU waste generated before 1990 for solvents including carbon tetrachloride, perchloroethylene, 1,1,1-trichloroethane, TCE, acetone, and methanol (References D018, P052). The HBL personnel during interviews could not remember using carbon tetrachloride, chloroform, dichloroethylene, 1,4-dioxane, chloroethylene, methanol, 1,1,2,2-tetrachloroethane, tetrachloroethylene, or vinyl chloride in Old HB-Line or in the 1980s in the New HB-Line (References C098, C105), except for carbon tetrachloride and chloroform used during the 1950s (References C104, C152, D059). Dioxane is not believed to have been present in HBL except perhaps as an impurity in commercial-grade trichloroethane (References C098, C105, D059). Also, no evidence was found that vinyl chloride has ever been used in HBL (References C098, C105, C136, C152, D059), nor were any procedures located that specified precautions or special handling techniques for this very reactive chemical. However, HBL personnel did recall that much more painting occurred in the Old HB-Line than in the new one due to better materials and coatings used in the construction of cabinets in the New HB-Line (Reference C105).

Several sources suggested that HBL TRU waste may have been contaminated with acetone (Reference C002). Acetone was believed to have been used for degreasing (Reference D059) and as a solvent by construction personnel (Reference C032). The Old HB-Line Operators recalled that acetone was used in the 1950s and 1960s to repair gloveports but not in the 1970s (Reference C098). Acetone was also used to clean the edges of "Mipple M" wall covering panels in rooms, although not in gloveboxes (Reference C105). Acetone was also present in up to 30 percent concentrations in Magnaflux Spotcheck products (References C098, C105, M051) that were used in HBL. After January 25, 1990, generators did not indicate a HWN for any F-listed solvent on their TWPDs or TWCCs (References M014, M015, M115) for any drums, nor did the procedures for completion of these forms mention any solvents during much of the time period of waste generation (Reference P073). Under the Blue Dot program, acetone would not have been used inside of gloveboxes; however, some evidence indicates that acetone was used during the 1990s as a solvent to remove plastic congealed on glovebox floors (Reference C158). Acetone would have been used outside of gloveboxes during decontamination events associated with glove failures, leaks, or other unusual events, such as the following HBL events that occurred from August 1986 to July 1996, possibly resulting in TRU waste generation: five leaks/inadvertent transfers; six personnel contaminations; two incorrect product feeds, and one glovebox fire (Reference D058). Acetone was also used by Maintenance to clean up contamination outside of gloveboxes during a contamination event that occurred in about 1994 (References C156, C157). Although this use might have generated low-level mixed waste with TRU isotope contamination <100 nCi/g consistent with LLW procedures (References D050, D092, P103), no low-level mixed waste contaminated with solvents has been generated in HBL since January 25, 1990 (Reference M098). The facility also stated that waste from this decontamination effort probably was packaged as TRU Waste (Reference C157). Acetone was also present in HBL chemical inventories in small (less than 1-gallon) quantities in 1990, 1991, and

1994 (Reference M099). In addition, it was on a year 2000 list of chemicals allowed to be stored for use in HBL (Reference D058), although the allowable quantity of this chemical was decreased (but not removed entirely) in a July 2001 revision. Finally, a 1996 TRU waste packaging procedure explicitly provided for the first time the option of assigning HWNs F002 and F003 if applicable (Reference P014).

1,1,1-Trichloroethane was not used as a pure commercial chemical (References C098, C105, C152), but it was present as the primary solvent in Magnaflux SKC-NF/ZC-7B Cleaner/Remover (Reference M051), which was used in the HBL (References C017, C105). As a result, the HWN F002 will be assigned for 1,1,1-trichloroethane.

TCE was used as a solvent in Raycohesive® B-32, a glue used to seal drum liner lids (References C057, P048). A HWN would not be assigned solely on the basis of this packaging-related use. One other source document also suggested that TCE was not used in HBL (Reference C032). However, TCE was the primary solvent in a trade-named chemical called Triclene that was used in the Old HB-Line (References C098, M051). Because of its solvent usage, the HWN F002 will be assigned for TCE.

In addition to information about chemicals included on lists of historically applied HWNs, evidence of the use of other solvents was found.

Freon was used as a coolant in the New HB-Line vessel vent system (Reference D003) and in the Old HB-Line process refrigeration units (References C032, C116). Some Freon from the vessel vent system was disposed due to a leak; this leak cleanup would have generated contaminated TRU waste (Reference C098), although Freon from this source would not be considered hazardous waste because it was not being used as a solvent. However, other sources suggest that Freon was used in HBL (References C002, C017) for decontamination (Reference C032) and/or as a cleaning agent throughout the facility (Reference C067), even though New HB-Line personnel stated that Freon was not used for decontamination (Reference C105). Based on this solvent/cleaning agent usage, the HWN F002 will be assigned for Freon (a chlorofluorinated hydrocarbon).

Source documents discussing MEK differ on whether it was (Reference C002) or was not used (Reference C032). It was definitely a solvent in PVC cement used in the facility (Reference C017). Because spent PVC cement may have been included in TRU waste containers, the HWN F005 will be conservatively assigned for this chemical.

Methylene chloride is expected only associated with use in the adhesive MOR-AD® B 32 (and in its predecessor Raycohesive® B-32), which were used to bond together Type II 90-mil drum liner lids and bodies used in conjunction with the 55-gallon U.S. Department of Transportation (DOT)-17C drums to package and transport TRU waste (References C057, P048, P059). Because its use is only associated with packaging, a HWN will not be assigned for this contaminant. Ethyl acetate was present at 40 percent

as a solvent in Magnaflux Spotcheck developer (Reference M051), which was used in HBL (Reference C105). Even though HWN F003 was originally assigned to CH waste stream SR-W027-221H-HET, the F003 constituents, including acetone, ethyl acetate and methanol are listed solely because these solvents are ignitable in the liquid form. The waste stream will not exhibit the characteristic of ignitability because it is not liquid; therefore, F003 is not assigned. Cyclohexanone was also identified but as a part of a chemical formulation not used for any solvent properties, therefore, F003 is not assigned for Cyclohexanone.

In summary, the following HWNs will be applied to the SR-RH-221H.01 TRU waste stream: F001 for carbon tetrachloride, 1,1,1 trichloroethane, tetrachloroethylene, and TCE (Reference C155); F002 for Freon, TCE, tetrachloroethylene, and 1,1,1-trichloroethane; and F005 for MEK. Although there were no industrial degreasing processes occurring in HBL (References C098, C105, D003, D005, D006, D048, D061), the F001 HWN will be assigned as shown above for the chlorinated hydrocarbons discussed per SRS guidance.

5.4.3.2 Toxicity Characteristic Constituents

Based on review of AK relative to chemicals used or present in the HBL and supporting operations, waste stream SR-RH-221H.01 is contaminated with toxicity characteristic compounds as defined in 40 CFR 261.24 (Reference 11). Where a constituent has been identified and there is insufficient quantitative data available to demonstrate that the concentration of a constituent is below regulatory threshold levels, the applicable EPA HWN is applied to the waste stream in accordance with the CCP AK procedure, CCP-TP-005 (Reference 3).

As shown in Table 5, Hazardous Waste Numbers Historically Applied for Metals, SRS has historically applied HWNs for cadmium, chromium, and lead to its pre-1990 TRU waste.

Table 5. Hazardous Waste Numbers Historically Applied for Metals

Constituent Name (Number)	From old RCRA permit drafts (D018)	From repackaging procedures (P052)	From generators (M014)
Cadmium (D006)	Yes	Yes	No
Chromium (D007)	Yes	Yes	Yes
Lead (D008)	Yes	Yes	Yes

A 1999 document listed the only hazardous constituents used in the HBL process as cadmium, lead, and chromium (Reference D067).

Former Operators and engineers from the Old HB-Line could not recall any use of arsenic, barium, or selenium in the facility (Reference C098), nor have HWNs ever been applied for these metals.

Various metals may be present from several sources. One possible source was the plutonium oxide product itself, which could have up to the following concentrations of impurities: Al–100 Parts per Million (ppm), Be–1 ppm, Cd–25 ppm, Cr–175 ppm, nickel (Ni)–100 ppm, Pb–100 ppm, and Zn–50 ppm (Reference C110). However, these are maximum allowable quantities, rather than average quantities likely to be present in waste materials. One source stated that "typical" quantities of these metals in plutonium oxide product are Cd–10 ppm, Cr–100 ppm, and Pb–10 ppm (Reference C139); due to the very small gram loading of plutonium oxide product on waste materials, it is not expected that plutonium residues alone could cause waste to meet the toxicity characteristic threshold for these metals. Concentrations of RCRA metals cadmium, lead, chromium, and mercury in plutonium stabilization products do not exceed RCRA regulatory thresholds (Reference D005). In terms of impurities in scrap materials being processed through Scrap Recovery, the major types of scrap that had been processed up to date 1975 included floor sweepings rich in iron oxide, plutonium–beryllium neutron sources (plutonium oxide and plutonium), plutonium-molybdenum cermets (with and without thorium oxide), oxide combinations such as plutonium oxide, zirconium oxide, and plutonium–thorium oxide, and plutonium–zirconium alloy (References C010, D006).

Cadmium was listed as a possible contaminant in HBL TRU waste (Reference C002), although other sources suggest that it was not used (Reference C032, C116). Cadmium was used in plates around the New HB-Line in the vessel vent system (Reference C098), although it was not used in the Old HB-Line (Reference C152). HBL also did not use cadmium-coated HEPA filters (References C110, D005). Several source documents have been reviewed that indicate that prevalence of cadmium (References C139, D067, P015, P034, P073) in HBL TRU waste procedures and documents from the time period of waste generation. Based on its possible presence, the HWN D006 will be assigned for cadmium.

Chromium may be present in waste due to stainless-steel construction of gloveboxes and highly acidic (nitric acid) atmospheres corroding this material (Reference C098). In particular, in the New HB-Line, process vessels in Scrap Recovery were constructed of Type 304L stainless-steel because of its corrosion resistance (References D003, D005). However, Toxicity Characteristic Leaching Procedure (TCLP) data regarding the leaching of Cr from Type 304L stainless-steel showed that only 0.10 milligrams per liter (mg/L) chromium leached from Type 304L, well below the toxicity characteristic level of 5 mg/L. Based on a study conducted in 1992, job control waste raw materials including yellow plastics do not contain enough chromium to exceed toxicity characteristic concentrations (Reference D041). Plutonium oxide powder with 100 ppm chromium, also does not sufficiently contaminate TRU waste to require the assignment of D007 for chromium (Reference C139). At this concentration in a drum with 50 kilograms (kg) of waste, about 2.5 kg of plutonium oxide product would have to be present in a single

container of waste, even assuming 100 percent leachability of the chromium. Chromium was also present at 25 ppm in standards and tracers used in the Lab Line (Reference C136), although only small amounts of such materials would have been disposed in TRU waste. Old HB-Line personnel did not recall using chromium in their processes (Reference C116). Waste generators listed chromium on five container characterization forms, but these containers have been excluded from corresponding CH waste stream SR-W027-221H-HET, and therefore will not be part of SR-RH-221H.01 (References DR013, M009, M014, M169). Since about 2003, additional wastes assigned EPA HWN D007 have been generated. This waste is not included in the SR-RH-221H.01 waste stream. For these reasons, HWN D007 is not assigned for this waste stream.

Lead is expected in HBL TRU waste (References C002, M014) primarily from lead-lined gloves (References C014, C027, C032, C080, C090, C098, C116, M014) and in glovebox panels that were of a sandwiched stainless-steel-lead-water-stainless construction with acrylic/lead glass windows (Reference D056). Although job control waste raw materials including yellow plastics do not contain enough lead to exceed toxicity characteristic concentrations (Reference D041), lead-lined gloves are frequently generated and managed as TRU waste due to their 56.1-73.7 percent lead per pair; generators conservatively estimate 74 percent lead when completing OSR 29-90 forms (Reference D005). No shielding or bricks are expected in HBL waste except possibly in D&R waste (Reference C098), although HBL did use lead shielding (Reference C116). The New HB-Line was constructed with lead in gloveboxes, acrylic and leaded glass on the windows at the entry station, charge preparation gloveboxes, and wing cabinets (Reference D003). The dissolver and product transfer glovebox in new Special Recovery had only lead shielding with leaded glass on the windows. Generators indicated on TWPDs completed during the 1986-1990 time period (References C010, M014) the HWN D008 for lead. According to a 1996 procedure, the only HBL mixed waste generated regularly was, "lead lined gloves that have been used in process cabinets," (Reference P026). Drums containing mixed waste such as leaded gloves were to be stored in the Mixed Waste Staging Area (Reference P014). Although an aggressive segregation procedure was in place (References C105, C136, C152, D067, P026, P073) and generators did not indicate D008 for the segregated containers, some of the segregated containers were found to contain lead during CCP confirmation activities (References C163, DR013, M014, M015, M115). Considering all of the potential sources, the HWN D008 will be assigned for this waste stream.

Mercury was not thought by Waste Management or the Old HB-Line personnel to be commonly used in the facility (References C067, C098, C116) in order to avoid contamination of product material, although it was occasionally included on Waste Management lists because of potential uses of mercury thermometers in non-routine operation such as tank calibration (Reference C067). The Old HB-Line personnel did not believe that they used such mercury measurement equipment due to the need for greater sensitivity (Reference C098), but they did recall removing mercury manometers that may have been part of a vacuum system in room 454, circa 1984

(Reference C156). Also, job control waste raw materials including yellow plastics do not contain enough mercury to exceed toxicity characteristic concentrations (Reference D041).

There should be few or no fluorescent bulbs in the waste, as there were no lights inside of the cabinets where such bulbs could become TRU-contaminated (References C098, C116, C152). While small quantities of fluorescent bulbs may be present in waste from use in huts outside of gloveboxes (Reference C152), such material is not expected to contain sufficient mercury to cause TRU waste drums to be hazardous. Sample data from analysis of randomly-chosen drums of crushed fluorescent tubes indicated that the EPA TCLP concentrations of metals in these drums either were not above regulatory limits in any of the samples or were not present in sufficiently high concentrations to render a TRU waste drum with only one or two fluorescent bulbs hazardous (References C148, M048). Also, mixed waste receipts indicate that two drums filled with fluorescent bulbs have been disposed as low-level mixed waste, which supports the idea that fluorescent bulbs from outside the glovebox are not sufficiently contaminated to be TRU (Reference M098). Mercury vapor bulbs, according to the author of Reference M098 were actually fluorescent bulbs that were disposed as low-level mixed waste (Reference M098).

The 1970s-era Technical Standards for enriched uranium and plutonium recovery (References D007, D055) identified mercury as being used in recovery ion exchange (at 0.01M concentration) and in the dissolution of plutonium-aluminum alloys or scrap containing metallic aluminum. However, HBL technical support personnel stated that, although the technical standards allowed these activities, the ion exchange operation never ran in Special Recovery, nor were targets or aluminum scrap ever dissolved, in part because Scrap Recovery never received material directly from SRS reactors, as they shut down in the mid 1980s (Reference C156). Mercury catalysis was performed in the Canyon as noted by Old HB-Line personnel (Reference C098), but mercury-catalyzed dissolution was also tested and performed in HBL Scrap Recovery (Reference D055). Mercuric nitrate was also listed in a 1978 SAR as a "principle toxic...material present in the HBL" (Reference D052). Alkaline batteries that may be in TRU waste because HBL personnel did use flashlights (Reference C098) may contribute very small amounts of mercury, although alkaline batteries would not be present in sufficient quantities to exceed toxicity characteristic quantities (References C150, C152). Finally, Old HB-Line personnel recalled that some mercury may have been found during D&R activities or in gloveboxes, associated with pumps and other equipment (Reference C156). Mercury was to be recovered by a vacuum flask aspirator and water, otherwise a spill kit was used. Mercury clean up materials were considered EPA Hazardous waste (Reference D001). Because there is a potential for thermometers, manometers, fluorescent bulbs, and other mercury-containing equipment in TRU waste, EPA HWN D009 will be assigned for this waste stream.

Since about 2005, the Scrap Recovery Facility has generated wastes assigned EPA HWN D011 for silver. This waste is not included in the SR-RH-221H.01 waste stream.

In summary, the following HWNs will be applied to the SR-RH-221H.01 for metals: D006–cadmium, D008–lead, and D009–mercury.

Methylene chloride is the only solvent-type chemical used in HBL for which an F-listed HWN could not be assigned due to its non-solvent use. However, methylene chloride is not listed as a toxicity characteristic organic solvent. SRS has determined, however, that the following HWNs should be assigned to the waste stream (Reference C155), although no evidence of the use of some of these chemicals has been found as summarized in Section 5.4.2: carbon tetrachloride – D019, chloroform – D022, 1,1-Dichloroethylene – D029, tetrachloroethylene – D039, TCE – D040, and vinyl chloride – D043.

5.4.3.3 U- and P-Listed Constituents

With the exception of hydrazine (HWN U133), this waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 11). No other P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, other chemicals are present only as contamination on waste materials, rather than as pure commercial chemical product. Other process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (References 11, 14, M169).

A 1995 SWM document (Reference D059) describes that the process piping in HBL is welded stainless steel and contains no mechanical joints. Because process vessels are enclosed in cabinets and, in the New HB-Line, piping outside of cabinets was jacketed, spills were minimized, though not eliminated. In the Scrap Recovery process, four types of events were described that could create MTRU waste: leaks, dropped containers, overflow of process vessels such as dissolvers and product hold tanks, and uncontrolled chemical reactions, some of which are known to have occurred (References C098, C105, C114, D005, D064, D065, D066), in addition to other waste generating events such as glove failures. Cleanup operations from such events could result in spilled listed material entering the TRU waste stream, especially given that the Old HB-Line sumps were not equipped with nitric acid flush systems (Reference C105).

The SRS Solid Waste Division determined that the RCRA HWN U134 for hydrofluoric acid did not apply to HBL/H-Canyon waste generated prior to 1986, the basis for this determination was the belief that hydrofluoric acid had not been used in the facility (Reference D059). Old HB-Line personnel recalled that hydrogen fluorine ceased to be used after 1973 (Reference C098), was used only before 1970 in the Pu-239 oxide process (Reference C152), and/or was never used in Special Recovery

(References C104, C116, C152). References to ubiquitous use of fluoride ion in Scrap Recovery (Reference D055) are consistent with information from Old HB-Line personnel that they used potassium fluoride, rather than hydrofluoric acid (Reference C152). On the other hand, technical standards state that hydrofluoric acid was brought into the New-HBL as a liquid during the Cassini mission (10/90-6/95 in Scrap Recovery, 1/93-8/95 in plutonium oxide) to adjust fluoride concentrations (References D005, D050). However, HBL managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical (Reference C156) or used as a pure chemical in any process, consistent with scrap dissolution procedures (Reference P105). Hydrofluoric acid was also used in the lab line during the Cassini Impurity Analysis Program from about 1994-95 for determination of solids in liquids, for solid sample dissolution, and in standards used for trace metals analyses (although it would not have been the sole active ingredient in the latter formulation) (Reference C136). However, all lab chemicals were prepared in Building F/H Area Laboratory (Reference C136) and bagged into the HBL after dilution; hydrofluoric acid was diluted to 0.1 M strength with nitric acid before entry into HBL for solids dissolution (Reference P104), so that pure chemical hydrofluoric acid could not have contaminated HBL TRU lab waste. Because hydrofluoric acid was not brought into HBL as a pure commercial chemical and was used for its intended purpose, the HWN U134 will not be assigned for this waste stream. Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during neptunium oxalate precipitation; the maximum allowable concentration was 0.15M (References D007, D055). Some Old HB-Line Facility personnel did not believe that pure liquid hydrazine was disposed as TRU waste (Reference C152), or only recalled using hydrazine mononitrate (References C098, C104, C105, M058, M062, M063), while other personnel discussed use of hydrazine (References C116, C152). However, it is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery, as previously described. On this basis, the HWN U133 will be assigned for hydrazine (Reference 14).

Beryllium is expected to be present in TRU waste as a contaminant in plutonium oxide product (Reference C110) and because of the dissolution of plutonium-beryllium neutron sources and plutonium oxide.beryllium mixtures in Scrap Recovery (References D005, D006, D067, D115). Any beryllium that was dissolved, however, was sent to the H-Canyon as solution where the plutonium was recovered and the remaining solution (including beryllium) was discarded to waste tanks. Any beryllium remaining in the Scrap Recovery Facility TRU waste would be present only in trace quantities (References C178). Waste packages that contain beryllium are therefore expected only in particulate form as an impurity or in residual trace amounts less than 1 percent by weight of the waste in each drum (References M122, M133). Beryllium was never known to have been brought into the facility as a pure commercial chemical in powder form (References C151, D059). Therefore, waste stream SR-RH-221H.01 is not a P015-listed waste for beryllium powder.

In summary, only U133, Hydrazine, is assigned to this waste stream from the U- and P-Listed chemicals (References 11,14).

5.4.3.4 K-Listed Constituents

The materials in waste stream SR-RH-221H.01 are not hazardous waste from any of the sources specified in 40 CFR 261.32 (Reference 11). Therefore, waste stream SR-RH-221H.01 is not assigned a K-listed HWN.

5.4.3.5 Ignitables, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261. Ignitable and reactive materials are not believed to be present in HBL TRU waste. Corrosive liquids also are not anticipated due to liquid waste absorption procedures that go back to the early 1970s; however, any containerized liquids found in TRU drums will be removed prior to certification of waste for disposal at WIPP. Operating procedures required all acids to be neutralized and all pyrophorics to be reacted before being packaged in TRU waste (References C067, P018, P094, P113). It is important to note that SRS treated absorbed acids and bases as non-hazardous based on the results of tests on absorbed nitrates (neutralized nitric acid), the largest potential corrosive material in job control waste, which indicated such waste to be non-hazardous (References C067, P073). Rinsing and neutralization of acid-soaked sponges and rags was required (References P026, P108). No free liquids were packaged for disposal (References P014, P094). This prohibition remained in place throughout the time period of waste generation, as evidenced by the prohibition against free liquids in the SRS WAC (Reference P050). Free liquids were instead required to be absorbed since at least 1977 with Celite (diatomaceous earth), soda ash, polyester cloths, and Oil-Dri (fullers earth and quartz) in a 3:1 ratio (References D005, D018, P015, P056, P063, P083, P094). Oily rags were also required to be packaged with 3:1 ratio of Oil-Dri absorbent to absorb any oily liquid (Reference P026). No RCRA-regulated quantities of ignitable, corrosive, or reactive chemicals in routine HBL TRU waste, including pyrophorics and explosives, are expected in this waste stream (References D005, P014, P015, P018, P073, P094, P113).

Throughout the period of waste generation, generators were also required to record on TWPDs the quantity of pyrophorics and/or explosives (pyrophorics are not normally present in the HBL Facility), any absorbents in the drum, and verification of no free liquids present in the drum (References P015, P018, P073, P094, P113). No pyrophorics or explosives have been noted during the review of TWCCs (References M014, M015, M115, M125, M127, M133, M169).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in

40 CFR 261.21 (Reference 11). Ignitable liquids and oxidizers were used in H-Canyon and FB-Line operations. However, the waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (D001) (References 11, 14, M169).

Although they were historically assigned HWNs (References D018, P052), sodium, phosphorus, and magnesium were not used as pure metal in the HBL process or associated activities (References C098, C116, C136, C152, D059). The facility did use non-reactive magnesium oxide (Reference C098). Calcium also was not used in HBL (References C098, C116).

Oxidizers are known to have been used throughout the time period of waste generation in operating areas where TRU waste has been generated or handled. Nitric acid in particular was used extensively as a process chemical (References C001, D007), as were hydrogen peroxide, iron nitrate, permanganates, and aluminum nitrate (References C098, C116, D058, D060, M058, M062, M063, P001). Hydrogen peroxide was used for Pu-239 processing probably in Scrap Recovery (References C098, C116). Hydrogen peroxide was removed from the HBL Basis for Interim Operations (BIO) (Reference D058) in a July 2001 revision. Permanganate used in the Lab Line was reduced with nitrite and excess sodium permanganate solution that was infrequently used was solidified or absorbed (Reference C136). Old HB-Line personnel recalled having a procedure that required neutralization of acids and possibly of such oxidizers (Reference C098). A 1974 procedure (Reference P063) for handling radioactive waste gave special instructions for "wet solid waste," which consisted of acid-soaked sponges, rags, atomic wipes, or polypropylene cloths. Such waste was to be rinsed with water to remove any product and acid and then packaged with diatomaceous earth absorbent to absorb moisture (Reference P063). SRS also used a polypropylene felt, tested in 1965, for cleaning to minimize fire hazards due to oxidation of cellulosics (Reference C099). SARs and other documents from the 1990s maintained that free liquids were not packaged for disposal (Reference D088), but were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (Reference D005). Aerosol cans may be present in waste and could contain flammable liquids if not punctured (Reference C116).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22 (Reference 11). The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (D002) (References 11, 14, M169).

The following corrosive chemicals were shown on a 2000 BIO report: nitric acid, sodium hydroxide, sodium hypochlorite, and sulfuric acid, as well as oxalic and ascorbic acids (Reference D058). Nitric acid was also used in New HB-Line for sump flushing (Reference C105). Caustics might also have been used during D&D (Reference M021). Neutralization kits were primarily used in HBL Special Recovery (References C105, C136, P027, P072, P082, P083, P108) and appear very often in generator waste descriptions (References M014, M015).

Beginning in the early 1970s, residual chemicals disposed in TRU waste were required to be absorbed and/or neutralized (References C032, C067, C098, P063). By 1989, SRS had tested absorbed/neutralized nitric acid and determined that it was non-hazardous for corrosivity (References C032, C067). Also, as previously stated, TRU waste containers were not to contain free non-residual liquids (References C098, D005). As early as 1974 and up to the present day, operating procedures and Solid Waste requirements (Reference D088) have required all acids to be neutralized (References C067, P093). If acids had been present on waste materials (such as rags), the materials were rinsed with water and then neutralized before being packaged with absorbent and sealed separately (References C078, P056, P070).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23 (Reference 11). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (D003) (References 11, 14, M169).

As previously stated, there were no reactive metals such as sodium, phosphorus, magnesium, or calcium used as pure metal, although HBL did use magnesium oxygen (Reference C098), a non-reactive oxide. Also, as of 1988 and by procedure even earlier, there were no routine TRU waste streams at SRS that contained pyrophoric materials or explosives (Reference D088).

During an interview, HBL generators stated that explosives are not expected in HBL waste, as HBL did not dispose of plutonium metal in drums. In addition, although changed out every five years (Reference C140), small explosive charge squibs in the fire system were replaceable from outside of the gloveboxes and therefore, if they were disposed as waste, would not have been sufficiently contaminated to be transuranic (References C098, C140, C152). Hydrazine mononitrate was identified as an HBL process chemical through the mid 1980s, having been used as a dissolution process catalyst (References D007, D055). However, because it was a liquid, it would not have

been placed in TRU waste containers without being absorbed, so it would not be considered to be explosive or reactive (Reference C152).

Non-radionuclide pyrophorics were not present in HBL operating area (Reference C001), although the radioactive pyrophoric plutonium was present. Under the certification program instituted in 1986, any pyrophorics were required to be treated to be non-pyrophoric (References C032, C067, P050) prior to packaging as TRU waste. Potentially air-reactive resins used in HBL processes are not packaged as TRU waste, but sent to the H-Canyon for disposal (References D005, D050). Under the TRU waste certification program in place during the period of waste generation, any potentially pyrophoric materials were identified in operating procedures and were required to be segregated and labeled non-certifiable (Reference P050).

5.4.4 Polychorinated Biphenyl's (PCBs)

Polychorinated biphenyl's (PCBs) are not expected to be present in this waste. Potential sources of PCBs include oil-filled electrical equipment, fluorescent light ballasts, and hydraulic oils. There were no large electrical units (capacitors) identified for this building (Reference C084) and no such electrical equipment identified in this waste (Reference C116). There were no fluorescent light fixtures located inside gloveboxes (Reference C105). Hydraulic oils (References C116, C152) used in the HBL were evaluated and found not to contain PCBs (Reference C161). Contaminated oil in neptunium-Line hydraulic system sumps was absorbed in liter bottles (Reference C105) but would not contain PCBs because it would have been manufactured long after the date on which PCB manufacture was banned in the U.S. Therefore, waste stream SR-RH-221H.01 is not regulated as a Toxic Substance Control Act (TSCA) waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitions* (References 22, M169).

5.4.5 Prohibited Items

A discussion of specific prohibited items in HBL waste follows, but it should be noted that aerosol cans, liquids, and other prohibited items were to be excluded from waste drums when the WAC were published in about 1987. Prohibited items included pyrophorics, liquids, particulates, flammable liquids, aerosol cans, and resins (Reference C105). As discussed in the Section 5.4.3, pyrophorics and explosives are not expected in this TRU waste stream. As described in the following subsections, no compressed gas cylinders or explosives are expected (Reference C105). Any prohibited items identified during radiography will be processed (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers) to correct the deficiency (References P109, P110, P111, P112).

Free Liquid:

A letter written in 1976 discussing HBL packaging requirements states that no free liquids were to be sent to the Burial Ground. Excess liquid was to be pressed from all rags, polypropylene wipes, and other similar waste materials saturated with liquid. The waste was to be packaged loosely with at least a 3:1 volume of absorbent to suspected liquid in the plastic bags (References C078, C098, P056, P057, P070, P094). Materials that could not be pressed for liquids (e.g., HEPA filters) were to be packaged with excess absorbent in the inner bag (there should not have been a barrier like a plastic bag between absorbent material and the materials suspected to contain liquid) (Reference C078). One interview of HBL Generators states that they were required to absorb liquids (Reference C098). This statement is confirmed in a document titled "*Characterization of HB-Line Transuranic (TRU) Waste (UCNI),*" prepared by the Separations HBL Facility. The document states that no free liquids were packaged for disposal. Free liquids were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (References D005, P048, P063, P070, P083).

In 1971, bottles were to be filled to no more than 90 percent capacity, sealed tightly, and packed with sufficient absorbent material, such as vermiculite, to absorb any liquids (Reference P057). In 1974, and after, Celite was used to absorb for aqueous waste or Oil-Dri (fullers earth and quartz) was used for contaminated oil (References P045, P057, P063, P070). The bottles were shaken and sealed with tape then double-bagged with a layer of Celite between layers (References P063, P070). Absorbed contaminated oil was to be treated as combustible and absorbed aqueous waste was to be non-combustible (Reference P070). Burial ground procedures throughout the 1970s and 1980s required that expendable steel cans and drums be used for ignitable materials like oily rags (Reference P057). For loose materials or smaller containers that had been prewrapped and packed in cans, tight fitting lids or covers were used to seal them dust tight with gaskets or pressure sensitive tape (Reference P057). Free liquids were also drained from punctured aerosol cans (Reference D088).

TRU debris waste drums with containerized liquids where the liquid exceeds the amount allowed by WIPP-WAC are transferred to F/H Area Laboratory, Savannah River National Laboratory, or F-Canyon where the drums are opened, and the liquid is immobilized. The liquids are added to a bottle containing a pre-measured amount of No Char absorbent. Once absorbed, the immobilized liquids are then placed back into the original debris drum (References 6, P106, P107).

Compressed Gases:

Pressurized vessels in the TRU waste streams, such as aerosol cans, were either segregated or punctured and drained of free liquids, as verified by radiography. HBL generators stated in an interview that aerosol cans should be expected in the waste, but compressed gas cylinders would not be in TRU waste drums, since they were not used inside of cabinets (Reference C098). Another generator indicated that

the use of aerosol cans inside gloveboxes was limited so they would most likely be found in LLW containers and that aerosol cans disposed in TRU waste containers would be punctured (Reference C105). Still another generator interviewed confirmed the presence of unpunctured aerosol cans (mostly spray paint cans) in LLW containers. He stated that cans were punctured beginning in the late 1980s (Reference C152). According to a September, 1990 guidance memo, the spray cans were to be segregated and punctured (Reference C011). In the operations Pre-Plan Checklist Procedure, Operators were to ensure that aerosol cans were depressurized with no free liquids remaining (Reference P016).

Sealed Containers Greater than Four Liters:

One interviewee stated that there could be lots of plastic bottles ranging in size from approximately 500-ml to 2-gallons (Reference C094). Therefore, sealed containers greater than four liters in size are possible in this waste stream.

5.5 Waste Packaging

Generally, waste items were bagged out of cabinets, transferred to a container for assaying, then placed into a storage container like a 55-gallon drum.

During the 1970's, waste from HBL was double-bagged and then placed in a plastic bag lined 5-gallon pail (References P048, P063). Liners were placed in steel drums and were loaded from accumulated waste packages (Reference P048). When the drum was filled, the plastic bag was closed, taped, and folded down inside of the liner. Liner lids were sealed and marked with the BGR number and then the drum was sealed (Reference P048).

From the early 1980s on, cabinet waste materials were to have sharp edges taped to prevent puncturing prior to transfer (References P067, P094). Bags removed from a cabinet were to be twisted and taped (into a horsetail or J-wrap or fold-and-taped, References D031 and P094) and placed into three additional plastic bags that were individually sealed with tape (References P067, P094). Waste was bagged out of the lines in 5-gallon cans or a 30-gallon gray tub so that they could be assayed (Reference C105). If waste was placed in a 5-gallon can, the lid was sealed with plastic tape and contents identified with a label and monitored with a Pulse Height Analysis (References D009, P014, P067). If no contamination was detected on the liners, the bag port bag was twisted and wrapped several times with tape, cut with the exposed end taped over, and placed into a drum liner with the drum liner bag sealed (Reference P014). If there was any contamination detected, another layer would have been added to the waste package (Reference C105). Five-gallon pails could possibly have been placed directly into drum liners (with a hole punched in the lid) if the waste cut bag was found to be contaminated; however, pail lids are never crimped shut, only taped (References C098, C105). Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner

drum (e.g., 30-gallon steel drum). The 55-gallon drum will have one of the following liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without a lid (Reference 14).

Due to high radiation rates, disposal of Np material, as waste, sometimes required shielding material, (e.g., steel shot or depleted uranium), be added to the drum (Reference C024).

6.0 REQUIRED WASTE STREAM INFORMATION – SR-RH-221H.02

This section presents the waste stream information required by the WCPIP and the WIPP-WAP for waste stream SR-RH-221H.02 (References 1 and 2). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

6.1 Area and Building of Generation

Waste stream SR-RH-221H.02 was generated in the Building 221 H-Canyon. Specifically, the silver coated ceramic Berl saddles included in waste stream SR-RH-221H.02 were generated from the H-Canyon process off-gas system (References C217, D124, D127, M183).

6.2 Waste Stream Volume and Period of Generation

Waste stream SR-RH-221H.02 currently consists of two concrete shielded casks (5.7 m^3) generated in 1989. The 29-90 forms for the two casks identify the gross weight as 25,855 pound each, and the tare weight as 23,000 pounds each, giving a net waste stream weight of 5,710 pounds total. Given that F-Canyon Berl saddles packaged in 55-gallon drums (waste stream SR-RH-FBL.02) have an average net weight of approximately 300 pound each, this waste stream is projected to generate approximately 20 55-gallon drum following repackaging of the casks. This RH waste stream does not have a corresponding CH waste stream. No additional waste is forecast to be generated because the H-Canyon has been deactivated and is no longer in service; however, the estimated volume and generation dates may change based on remediation and repackaging operations (References 20, C217, M183).

6.3 Waste Generating Activities

Waste stream SR-RH-221H.02 was generated during scrap recovery and neptunium, plutonium (Pu-238 and Pu-239), and uranium production as described in Section 4.7. The primary function of H-Canyon was the chemical separation of the isotopes of neptunium and plutonium from old SRS reactors and from uranium and plutonium scrap material received from off-site sources for dissolution and recycle to canyon facilities (Reference D052).

H-Canyon was equipped with two chemical dissolvers and an electrolytic dissolver. Feed material containing components that could not be dissolved chemically in nitric acid were dissolved electrolytically. Volatiles generated during dissolution from all dissolvers were ducted to the dissolver off-gas system. This system included iodine reactors designed to remove radioactive iodine (I-129) from the off-gas. The off-gas entered the reactor cartridge where radioactive iodine was removed by contacting a bed of silver nitrate-impregnated reaction media. The media consisted of ceramic

saddle-shaped pieces called Berl saddles. Silver iodide and silver iodate were formed in the reaction. The dissolver off-gas system is illustrated in Figure 14, H-Canyon Dissolver Off-Gas Heater and Iodine Reactor (References C217, D124, D127, M183).

6.4 Type of Waste Generated

This section describes the process inputs, Waste Matrix Code assignment, WMP weight estimates, radionuclide contaminants, and RCRA hazardous waste determinations for waste stream SR-RH-221H.02. The waste stream is characterized on knowledge of the materials, knowledge of the processes generating the waste, and physical descriptions of the waste.

6.4.1 Materials Related to Physical Form

Waste stream SR-RH-221H.02 is comprised of spent Berl saddles. The current inventory of RH containers included in this waste stream consist only of Berl saddles with plastic bags and plastic sheets. A single Berl saddle is approximately 0.5-inches wide and 0.7-inches in length and is composed primarily of silicon dioxide and aluminum oxide (References C217, D127,M183).

6.4.1.1 Waste Matrix Code

Based on the evaluation of the materials contained in this waste stream and information recorded by the generator on the 29-90 forms, this waste stream is comprised of silver coated ceramic Berl saddles. However, the generator estimated the contents of containers in this waste stream to include 27 percent by weight plastic bags and plastic sheeting material. Additionally, repackaging or remediation of waste currently contained in casks could result in drums containing secondary waste from repackaging operations. Therefore, the waste stream estimate does not exceed 80 percent by weight of either inorganic or organic materials. Therefore, the waste stream is assigned Waste Matrix Code S5400. Waste Matrix Code S5400 is assigned to debris wastes that do not meet the definition of S5100 (Inorganic Debris) or S5300 (Organic Debris) (Reference M183).

6.4.1.2 Waste Material Parameters

Waste material parameter weights are estimated by the generator and recorded on the 29-90 form for containers in waste stream SR-RH-221H.02. An evaluation of the 29-90 data was performed, the results of which are presented in Table 6, Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates (References M183). Both casks reported the same relative quantities of other inorganic materials (saddles) and plastic. This evaluation is documented in a memorandum (included with CCP-TP-005, Attachment 6) as required by CCP-TP-005 (Reference 3).

Table 6. Waste Stream SR-RH-221H.02 Waste Material Parameter Estimates

Waste Material Parameter	Weight Percent*
Iron-based Metals/Alloys	0.0%*
Aluminum-based Metals/Alloys	0.0%*
Other Metals	0.0%*
Other Inorganic Materials	72.7%
Cellulosics	0.0%*
Rubber	0.0%*
Plastics (waste materials)	27.3%
Organic Matrix	0.0%*
Inorganic Matrix	0.0%*
Soils/Gravels	0.0%*
Total Inorganic Waste Avg.	**72.7%**
Total Organic Waste Avg.	**27.3%**

*Lesser amounts of other WMPs not reported by the generator may be identified during repacking and/or radiography.

6.4.2 Radiological Characterization

Limited data was available to SRS to determine the radiological distribution in H-Canyon Berl saddles. No NDA measurements were made, and sampling of the saddles was deemed impractical. To establish an estimate of radionuclide content of H-Canyon Berl saddles, several assumptions were made, including the total quantity of U-235 in the saddles, and Np-237 and plutonium isotope ratios to U-235 were based on recent production runs in H-Canyon and other historical documents. Based on limited data and assumptions documented in SRS Calculation Number X-CLC-E-00023 (Reference M183) SRS concluded the H-Canyon Berl Saddles should be managed as RH TRU waste. No dose measurement data was available for containers in waste stream SR-RH-221H.02 at the time this report was issued. (References C217, M183).

To summarize the radionuclide distribution in this waste stream as determined by SRS, data from 29-90 forms for the two casks included in this waste stream were evaluated. To determine radionuclide ratios, the total gram value for each individual reported radionuclide was divided by the total mass for all radioactive elements and the weight percentage for each radionuclide was determined. This is illustrated as "Radionuclide Wt%" in Table 7, SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02.

The SRS radiological estimate did not include an estimate for I-129. I-129 was estimated present in F-Canyon Berl saddes at 1.75 percent by weight (References 13 and 20), and I-129 is anticipated in H-Canyon Berl saddles. The WIPP-WAC does not specifically require reporting of I-129, and it has an unlimited A2 value (49 CFR 173.435) which means it does not contribute to 95 percent of the radiological hazard for transportation (References 13 and 20). Although SRS

Calculation Number X-CLC-E-00023 only quantified a limited number of radionuclides in H-Canyon Berl saddles, other source documents anticipate I-129 and other mixed fission and activation products, such as Co-60, Sr-90, Ru-106, Sb-125, Cs-134, Cs-137, Ce-144, Pm-144, Eu-154, Eu-155, to be present in H-Canyon Berl saddles (Reference D127).

CCP will determine the isotopic composition of waste stream SR-RH-221H.02 and describe how that determination was made in CCP-RC-SRS-601A, *Central Characterization Project Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site Remote-Handled Transuranic Debris Waste, Waste Stream: SR-RH-221H.02* (Reference 21). The information contained in this section is only intended to provide historical AK data related to the management of this waste stream by SRS.

Table 7. SRS Reported Radiological Distribution for Waste Stream SR-RH-221H.02

Radionuclide	Containers Reported	Radionuclide wt %[1]	Radionuclide Ci %	Expected Yes/No
WIPP Required Radionuclides				
Am-241	0	Not Reported		Yes
Pu-238	2	0.24%	98.53%	Yes
Pu-239	2	0.56%	0.85%	Yes
Pu-240	2	0.10%	0.58%	Yes
Pu-242	2	0.01%	<0.01%	Yes
U-233	0	Not Reported		Yes
U-234	0	Not Reported		Yes
U-238	0	Not Reported		Yes
Sr-90	0	Not Reported		Yes
Cs-137	0	Not Reported		Yes
Additional Radionuclides				
Np-237	2	2.06%	0.04%	Yes
U-235	2	97.03%	0.01%	Yes

[1] This indicates the total weight percent of each radionuclide over the waste stream.

6.4.3 Chemical Content Identification – Hazardous Constituents

Waste stream SR-RH-221H.02 has been historically managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for Berl saddle waste. Instead, RH and CH waste containers were managed individually as hazardous waste containers. The original SRS EPA HWNs assigned to containers of Berl saddles have been retained (i.e., D009, D011). However, a review of available AK documentation

has determined that an additional HWN (D007) applies to the Berl saddle waste because of the limited quantitative data available for H-Canyon Berl saddles. Therefore, the EPA HWNs listed in Table 8, Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary, will be assigned to this waste stream. The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste stream as a whole (References D127 and M183).

Table 8. Waste Stream SR-RH-221H.02 Hazardous Waste Characterization Summary

EPA Hazardous Waste Number	Constituent
D007	Chromium
D009	Mercury
D011	Silver

6.4.3.1 F-Listed Constituents

This waste stream is not mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31 (Reference 11). SRS has not identified any F-listed hazardous constituents in this waste, and review of AK documentation found no potential source of any spent solvents used in the process that could contaminate the waste. The waste stream consists only of H-Canyon Berl saddles used in the dissolver off-gas system to remove radioactive iodine. Therefore, no F-listed EPA HWNs are assigned to waste stream SR-RH-221H.02 (References D127 and M183).

6.4.3.2 Toxicity Characteristic Constituents

This waste stream exhibits the characteristic of toxicity per 40 CFR 261.24 (Reference 11). Where a constituent has been identified and there is no or limited quantitative data available to demonstrate that the concentration of a constituent is below the regulatory threshold level, the applicable EPA HWN is applied to the waste stream (Reference 11).

Based on the evaluation of the AK source documentation, this waste stream contains or is contaminated with toxicity characteristic metals. Chromium (D007) was identified in the electrolytic dissolver solutions. Although SRS concluded chromium concentration would be below regulatory limits based on a mass balance evaluation, the parameters and assumptions used could not be confirmed. Mercury (D009) was identified as an ingredient in process chemicals (mercuric nitrate was used as a dissolution catalyst) and a potential contaminant of Berl saddles. Silver (D011) was identified as a constituent of Berl saddles. Therefore, EPA HWNs D007, D009, and D011 are assigned to waste stream SR-RH-221H.002 (References D127 and M183).

Based on the evaluation of the AK source documentation, this waste stream is not contaminated with toxicity characteristic organic compounds. SRS has not identified any D-listed organic hazardous constituents in this waste, and review of AK documentation found no potential source of any organic hazardous constituents used in the process that could contaminate the waste. Therefore, no EPA HWNs are assigned for toxicity characteristic organic compounds (References 11, D127, and M183).

6.4.3.3 U-and P-Listed Constituents

This waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 11). No P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, chemicals are present only as spent and contamination waste material, rather than as pure commercial chemical product. There is also no indication that the U-listed waste found in HBL waste is present in this waste stream (e.g., hydrazine). Process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (References 11, D127, and M183).

Materials that contained beryllium were identified in the Scrap Recover process in the H-Canyon. Beryllium was not listed as present on the 29-90 forms for containers in the waste stream, additionally, any small quantity of beryllium present in the waste would not be in the form of unused beryllium powder and, therefore, waste stream SR-RH-221H.002 is not a P015-listed waste. Beryllium will not be present in amounts greater than one percent by weight of the waste in each payload container (References 11, M183). Hydrofluoric acid was not identified as a process chemical associated with the H-Canyon dissolvers. Therefore, EPA HWN U134 is not assigned to the waste stream (References 11, M183).

Therefore, this waste stream is not assigned P- or U-Listed EPA HWNs.

6.4.3.4 K-Listed Constituents

The materials in waste stream SR-RH-221H.02 is not hazardous waste from any of the sources specified in 40 CFR 261.32 (Reference 11). Therefore, waste stream SR-RH-221H.02 is not assigned a K-listed HWN.

6.4.3.5 Ignitable, Corrosives, and Reactives

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261 (Reference 11). Based on a review of the historic SRS waste management practices, waste segregation and packaging practices, and documentation for each container, no ignitable, corrosive, or reactive materials were disposed in waste stream SR-RH-221H.02. In addition, prohibited items (e.g., prohibited amounts of liquids and pressurized containers) identified during

radiography will be remediated or removed from waste containers prior to shipment to WIPP (References 11, D124, D127, and M183).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in 40 CFR 261.21 (Reference 11). Ignitable liquids were not used in H-Canyon dissolver and off-gas treatment system. The waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (D001) (References 11, D124, D127, and M183).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22 (Reference 11). Corrosive liquids were used; for example, nitric acid was the primary agent used in the dissolvers. However, there is no indication that Berl saddles contain nitric acid. The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (D002) (References 11, D124, D127, and M183).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23 (Reference 11). The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (D003) (References References 11, D124, D127, and M183).

6.4.4 Polychlorinated Biphenyls (PCBs)

Based on a review of the container documentation, materials potentially containing PCBs were not specifically identified (capacitors, ballasts, etc.). Based on the materials in this waste stream as described in the 29-90 forms, PCB items are not expected to be present. Therefore, this waste stream is not regulated as a TSCA waste under 40 CFR 761 (References 22, D127, M183).

6.4.5 Prohibited Items

No prohibited items are anticipated to have been packaged into this waste stream; however, prohibited items have been identified in debris waste streams from HBL, including prohibited liquid, aerosol cans, and sealed containers greater than four liters (Refer to Section 5.4.5). If prohibited items are encountered during radiography, these items will be removed from the containers or remediated (Reference M183)

6.5 Waste Packaging

The waste is currently packaged in two casks weighing 25,855 pound each. The tare weight for the casks is recorded on the 29-90 forms is 23,000 pounds each. Berl saddles packaged in casks will be repackaged into 55-gallon drums. Waste that requires repacking or remediation are typically repackaged into new 55-gallon drums. Remediated/ repackaged waste may be packaged into a 55-gallon drum with a single vented drum bag and one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a polyethylene rigid liner without lid (References 14, M183).

7.0 QUALIFICATION OF AK INFORMATION

As stated in CCP-PO-002 (Reference 12), this report provides a description of the characterization of the RH TRU waste generated from the HBL in the H-Canyon at SRS Waste. CCP-CP-SRS-602, *CCP RH TRU Waste Certification Plan for 40 CFR 194 Compliance and Confirmation Test Plan for SRS RH, Waste Streams: SR-RH-221H.01 and SR-RH-221H.02* (Reference 17), describes how each DQO and QAO will be met along with the rationale for selection of the AK qualification methods used. As required by the WCPIP (Reference 1), the descriptions of waste stream SR-RH-221H.01 and SR-RH-221H.02 are provided in Sections 5.0 and 6.0, respectively. The description of the confirmatory testing process, the percentage of containers that will be subjected to the process, a discussion of why the process is considered representative of the waste stream, and quantitative acceptance criteria is presented in CCP-AK-SRS-602 (Reference 17).

The CCP intends to use a combination of methods to qualify the AK information associated with the HBL waste streams because this will make the best use of the information available. Table 9, Waste Stream SR-RH-221H.01 DQO Determination Summary, and Table 10, Waste Stream SR-RH-221H.02 DQP Determination Summary, list the DQOs to be addressed using AK associated with these waste streams relating to the defense waste, radiological, and physical waste stream determinations.

Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary

DQO Determinations	Summary of AK	AK References/Sources
Defense Waste, High Level Waste, and Spent Nuclear Fuel	As described in the defense waste justification in Section 4.4, there is sufficient evidence to demonstrate that TRU wastes generated HBL in the H-Canyon are contaminated with materials from atomic energy defense activities associated with defense nuclear materials production and defense research and development activities. As described in Section 4.5, this waste stream does not contain spent nuclear fuel or high-level waste.	14, C091, M021
TRU Waste	The relative abundance of alpha-emitting TRU isotopes with half lives greater than 20 years calculated for the corresponding CH Waste Stream SR-W027-221H-HET is presented in Table 5. The concentration of TRU isotopes documented in CCP-RC-SRS-601 will be quantified for the RH waste containers during implementation of the Dose-to-Curie (DTC) Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	14, 16, M169

Table 9. Waste Stream SR-RH-221H.01 DQO Determination Summary (Continued)

DQO Determinations	Summary of AK	AK References/Sources
RH Waste	Generator reported surface dose rates for the 55-gallon drums indicate the average surface dose rate of approximately 290 mR/hr, ranging from 200 mR/hr to 1.0 R/hr. **Characterization/Qualification Method**: Dose rate measurement of each container as described in CCP-CP-SRS-602 (Reference 17).	14,16, M169
Activity	This DQO is specific to payload containers and will not be assessed until the final payload configuration has been established.	Not Assessed
WIPP 10 Required Radionuclides	The relative activity of the WIPP 10 required radionuclides for the corresponding CH waste stream SR-W027-221H-HET is presented in Table 2. The activity of the WIPP 10 radionuclides for the RH containers is documented in CCP-AK-SRS-601 and will be quantified in waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	14,16
Physical Form	As described in Section 5.4.1, waste stream SR-RH-221H.01 consists of job control waste meeting the WCPIP (Reference 1) definition for Summary Category Group S5000. Section 5.4.1.2 identifies the Waste Material Parameters, including the expected amount in the waste stream. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	14, M169
Residual Liquids	As described in Section 5.4.5, prohibited quantities of liquids will be immobilized and are not present in waste stream SR-RH-221H.01. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	D005, D088, P048, P063, P070, P083, P106, P107

Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary

DQO Determinations	Summary of AK	AK References/Sources
Defense Waste, High Level Waste, and Spent Nuclear Fuel	As described in the defense waste justification in Section 4.4, there is sufficient evidence to demonstrate that TRU wastes generated HBL in the H-Canyon are contaminated with materials from atomic energy defense activities associated with defense nuclear materials production and defense research and development activities. As described in Section 4.5, this waste stream does not contain spent nuclear fuel or high-level waste.	14, C091, M021
TRU Waste	The method chosen to determine the relative abundance of alpha-emitting TRU isotopes with half lives greater than 20 years in this waste stream is presented in CCP-CP-SRS-602. The concentration of TRU isotopes documented in CCP-RC-SRS-601A (Reference 21) will be quantified for the RH waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	21, C217, D127, M183
RH Waste	Based on the generators estimates this waste will exceed 200 mR/hr after once repackaged into 55-gallon drums. **Characterization/Qualification Method**: Dose rate measurement of each container as described in CCP-CP-SRS-602 (Reference 17).	20, 21, C217, D127, M183
Activity	This DQO is specific to payload containers and will not be assessed until the final payload configuration has been established.	Not Assessed
WIPP 10 Required Radionuclides	The amounts of the expected radionuclides expected by the generator are identified in Table 7. The activity of the WIPP 10 radionuclides for the RH containers is documented in CCP-RC-SRS-601A and will be quantified in waste containers during implementation of the DTC Method. **Characterization/Qualification Method**: DTC Method described in CCP-CP-SRS-602 (Reference 17).	21, C217, D127, M183
Physical Form	As described in Section 6.4.1, waste stream SR-RH-221H.02 consists of debris meeting the WCPIP (Reference 1) definition for Summary Category Group S5000. Section 6.4.1.2 identifies the Waste Material Parameters, including the expected amount in the waste stream. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	M183

Table 10. Waste Stream SR-RH-221H.02 DQO Determination Summary (Continued)

DQO Determinations	Summary of AK	AK References/Sources
Residual Liquids	As described in Section 5.4.5, prohibited quantities of liquids will be immobilized and are not present in waste stream SR-RH-221H.02. **Qualification Method**: 100 percent radiography will be performed to verify the physical form of the waste as discussed in CCP-CP-SRS-602 (Reference 17).	M183

8.0 CONTAINER SPECIFIC INFORMATION

The following information from TWPDs and BGRs (References M014, M052) or TWCCs (References M015, M052) were reviewed to support the preparation of this document and CCP-AK-SRS-4 (Reference 22):

- FSN, a container-specific designation) or Container ID Number
- Date generated and location of generator
- Isotopes 1-4 (designates the major isotope, such as heat source-grade plutonium coded 83 or Np-237 coded 82) and total and isotopic quantities for each; usually in grams (as on BGRs)
- Pu-239 Fissile Gram Equivalent (FGE), Pu-239 Equivalent curies (PE-Ci), Heat Load, and Activity
- nCi/g (TWPD forms)
- Waste weight and container volume
- EPA HWNs
- Other hazard waste numbers (used for the previous state-imposed code for used oil, 8888) (TWPDs only)
- Prohibited items (considered under the SRS TRU Waste Certification Program to include free liquid, pyrophorics, explosives, compressed gases, and particulates below a certain particle size)
- Gamma and neutron dose
- Content code (TWPDs only)
- Vol% organic (TWPDs only)
- Reason not certified (under the SRS TRU Waste Certification Program)
- Reason for failure (applicable only if a prohibited item was located during radiography) (TWPDs only)
- Waste descriptions (TWPDs and BGRs only)
- Comments

- WMP weight data (TWCCs only)
- Layers of confinement (TWCCs only)
- Detailed radiological data for up to 20 radionuclides (TWCCs only)
- Note if absorbent was added

Completed waste generator and storage facility records including BGR, TWPD, and TWCC forms (Reference M169) have been compiled for the containers that comprise this waste stream. The respective forms for each drum were reviewed to ensure that all information was consistent with the waste stream defined herein.

Information from these forms relevant to the TRU waste characteristics of each waste container is traceable to its respective container through the FSN(s) and has been compiled into an AK Containers List which is maintained as a quality record as required by procedure CCP-TP-005 (Reference 3).

9.0 REFERENCES

1. DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

2. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*, New Mexico Environment Department, Santa Fe, New Mexico

3. CCP-TP-005, *CCP Acceptable Knowledge Documentation,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

4. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

5. 40 *Code of Federal Regulations* (CFR) Part 191, *Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes*, Washington, D.C., U.S. EPA, December 20, 1993

6. 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations*, Washington, D.C., U.S. EPA, February 9, 1996

7. *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision*, Washington, D.C., U.S. EPA, May 18, 1998

8. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act*, October 30, 1992 as amended by Public Law 104-201, September 23, 1996

9. 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982*, U.S. Congress

10. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant*, Carlsbad, New Mexico, U.S. DOE, Carlsbad Field Office

11. 40 CFR, Part 261, *Identification and Listing of Hazardous Waste*, U.S. EPA

12. CCP-PO-002, *CCP Transuranic Waste Certification Plan*, Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

13. CCP-AK-SRS-3, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site, Waste Streams: SR-W026-221F-HET, SR-W026-221F-HOM, SR-W026-221F-HEPA, SR-W026-221F-HET-A,* Carlsbad New Mexico, Nuclear Waste Partnership, LLC.

14. CCP-AK-SRS-4, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

15. DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

16. CCP-RC-SRS-601, *CCP Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site, Waste Stream: SR-RH-221H.01,* Carlsbad, New Mexico, Nuclear Waste Partnership LLC.

17. CCP-AK-SRS-602, *CCP RH TRU Waste Certification Plan for 40 CFR 194 Compliance and Confirmation Test Plan for SRS RH, Waste Streams: SR-RH-221H.01 and SR-RH-221H.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

18. DOE M 435.1-1, *Radioactive Waste Management Manual*

19. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC), Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

20. CCP-AK-SRS-580, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste, Waste Steams: SR-RH-FBL.01 and SR-RH-FBL.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

21. CCP-RC-SRS-601A, *Central Characterization Project Remote-Handled Transuranic Radiological Characterization Technical Report For Savannah River Site Remote-Handled Transuranic Debris Waste, Waste Stream: SR-RH-221H.02,* Carlsbad, New Mexico, Nuclear Waste Partnership, LLC.

22. 40 CFR, Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitons,* U.S. EPA

10.0 AK SOURCE DOCUMENTS

Tracking Number	Title
C001	Memo to TRU Waste Coordinators, J.A. Schlesser: WIPP Certification Plan
C002	Memo: Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C006	Memo: Suspect Hazardous Waste Handling Requirements
C008	Memo to V.G. Dickert, et. al.: Guidance for Continual Surveillance for Hazardous Waste
C010	Memo: Disposal of TRU Boxed Waste
C011	Memo: Disposal of Spray Cans with Material
C012	Memos: Characteristics of SRS TRU Boxed Waste
C014	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program
C017	Memo to R.F. LeBert: Hazardous Products in Our MSDS Books (U)
C018	Memo: ALARA 1146 Clarification (U)
C020	Memo: BH-38 Decontamination Material Mix-up
C024	Memo to G.W. Earle: Neptunium Shielding Calculations
C027	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989
C029	Memo to R.L. McQuinn, et. al.: Program for the Handling of Hazardous Waste Rags and Wipes (U)
C031	Meeting-HB Line Decommissioning - Disposal of Neptunium Sweeping
C032	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C038	Memo to J.P. Duane re: 221-H B-Line History
C039	Memo to R. Anderson re: Neptunium Sweepings, 221-H B-Line
C040	Memo to F. Lustig Re: Project S-2991 Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits
C044	Memo to HB-Line Distribution re: Validation of the HB-Line Plutonium Oxide Facility Glovebox Cabinet Cleanout
C045	Nuclear Safety Limits for Various Isotopes in the Burial Ground
C046	Nuclear Criticality Safety in Storing WIPP Certified TRU Waste
C047	Nuclear Safety Limits for Various Nuclides in Burial Ground Concrete Culverts
C048	TRU Mixed Waste Generation and Characterization
C050	Requested Information Regarding TRU Variance Letter
C054	Requirements for Packaging Transuranic Waste
C055	Instructions for Using Revised Burial Forms
C057	A Comparative Evaluation of Raycohesive® B-32 and MOR-AD® B-32 Adhesives
C058	Information Concerning the Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)
C063	Operational Practices During Emplacement of Transuranic Waste on TRU Pads 1-6 in the SRS Burial Grounds
C066	Interview of C. McClard Regarding the HB-Line Process Timeline
C067	SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C069	Description of Transuranic Solid Waste at Savannah River
C071	WIPP-Waste Acceptance Criteria
C075	Memo: Identification of TRU Waste
C077	Memo: Program for Identification and Segregation of Transuranic Waste with Contamination Levels Between 10 and 100 nCi/g
C078	Letter to J.P. Duane: HB-Line Waste Packaging Requirements
C079	Memo to T.H. Gould: Systems Analysis Applied to TRU Waste Management (U)

Tracking Number	Title
C080	Memo: Pb-Lined Gloves Telephone Calll to O. Fordham, Letter to O. Fordham: Pb-Lined Gloves and Request for Concurrence to use the Exemption from Particle Size Reduction in the TCLP Method 11311 for Lead Lined Gloves (U)
C083	Miscellaneous Correspondence on Solvent Contaminated Waste (a-f)
C084	Memo to M.J. Sires: Polychlorinated Biphenyl's (PCBs) Used in Electrical Equipment
C086	Letter to O.M. Morris: Segregation of Combustible TRU Waste
C088	Record of Communication – Interview of Mr. Odum and Mr. Maloney
C090	Telephone Conversation with Carol Allgood, NMMD: Blue Dot Program at FB-Line and HB-Line
C091	Record of Communication – Atomic Energy Defense Activities
C093	Letter re: TRU Waste Packaging Requirements Polyethylene Boxes for HEPA Filters
C094	Record of Communication — Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line
C098	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon
C099	Memo to W. Doe re: Tests on Polypropylene Felt
C100	Memo to T. Reilly re: Problem No. ST-SS-G-039 Sources of Contaminants in $238PuO_2$
C104	Notes from Interview of J. "Chip" McClard
C105	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor
C110	Letter to R.D. Leedle: Savannah River Plant Project S-2256 — Replace Obsolete Processing Facilities 221-HB-Line DA-221-H Plutonium-238 Oxide Product Quality
C114	Separations Incident SI-80-11-140
C116	Record of Communication with Mike Mobley
C117	Letter to R.C. Anderson: Neptunium Sweepings Packaging, 221-HB-Line
C129	Radioactivity and Dose Rates from Aging Plutonium in Future Waste Management Operations (U)
C131	Email: Job Hazard Analysis of Scrap Recovery Clean Out Work (U)
C132	Letter to R.E. Meadors, R.C. Anderson: Handling TRU Waste From H-Canyon Frames
C134	Memo to D.H. Thomas: Burial of Old Frames and Sample Aisle Equipment
C135	Memo to D.H. Thomas: Disposal Methods For Pu-238 Frame I
C136	Record of Communication for Interview of C. Ryberg and R. Mahannah
C139	RCRA Characterization of SRS-Produced Plutonium Oxide
C140	E-Mail to P. Fulghum: Squib Igniters Used In "Halex" Fire Suppression
C146	Record of Communication for Interview of D. Gartland by J. Whitworth
C148	Summary of SRS Correspondence and Data on Fluorescent Light Bulbs
C150	Record of Communication for Interview of M. Boolish by T. Burns and W. Estill: Mercury Content in Batteries
C151	Letter to M.A. Kokovich: Removal of P015 Waste Code from TRU Waste Containers
C152	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk
C155	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Interoffice Memo, From: C.B. Stevens, To: M.A. Kokovich
C156	Record of Communication: Interview of Bob Smith, Rick Burns, and Jim Barber, Subject: TRU Waste and Hazardous Chemical Usage in the New HB-Line
C157	Record of Communication: Interview of Ray Smith and Betty Bush, Subject: Use of Chemicals (Acetone) by HBL Maintenance
C158	Record of Communication — Interview with J.W. Barber Re: Use of Acetone in the New HB-Line Facility
C161	Fyrquel Hydraulic Oil
C162	Pu-238 Spectrum
C163	Re-evaluation of Savannah River Site HB-Line waste streams
C164	Interview with Ann Gibbs concerning Thorium-232 in the HB-Line Waste

Tracking Number	Title
C165	Record of Communication: Discussion of Greater Confinement Disposal (GCD) at SRS.
C178	Email correspondence with Jeff Lunsford regarding beryllium
C197	Memo to CCP Record re: Addition of Containers to Waste Stream SR-RH-221H.01
C217	Interoffice Memorandum from Marcia Birk to M. G. Looper and Cary Stevens. RE: Path Forward for Silver Berl Saddle Management
C219	Waste Stream Container Evaluation Memorandum for Waste Stream SR-RH-221H.02
D001	Analytical Laboratories Laboratory Technician Program, Proper Handling of Spills
D003	Building 221-H, B-Line Scrap Recovery Facility (SUP 2A) Safety Analysis Report
D004	Dismantlement and Decontamination of a Plutonium-238 Facility at SRS
D005	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)
D005A	Characterization of HB-Line Transuranic (TRU) Waste
D006	Technical Manual — Plutonium-238 Scrap Recovery, Building 221-H
D007	221-H-SP Technical Standards (UCNI)
D009	Revised Pre Title I Design Safety Evaluation for the Retrieval Operations of Transuranic Waste Drums in the Solid Waste Disposal Facility (U)
D010	Radioactive Waste Burial Grounds
D011	Storage of Solid Radioactive Waste
D012	Solid TRU Waste Processing and Retrievable Long-Term Storage –Technical Data Summary
D013	Storing Solid Radioactive Wastes at the Savannah River Plant
D014	Radiogenic Gas Accumulation in TRU Waste Storage Drums
D015	Savannah River TRU Waste Inventory Workoff Plan
D016	Implementation Plan for Buried Transuranic Waste at the Savannah River Plant
D018	Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)
D019	History of DuPont at the Savannah River Plant
D020	Safety Analysis – 200 Area Savannah River Plant Burial Ground Operations
D021	System Plan for the Solid Waste Division
D024	Statement of Work Chemical Inventory and Characterization of Waste Container Contents by Surface Acoustic Wave Technology
D026	Solid Waste Division 1998 System Plan
D027	Transuranic Waste Projections at SRS for Long Range Planning (U)
D029	Strategic Plan for Savannah River Site (SRS) Transuranic Waste
D030	Savannah River Site Solid Waste Management Facility Safety Analysis Report
D031	Savannah River Site Transuranic Waste Program
D034	Transuranic Waste Baseline Inventory Report
D035	U.S. Atomic Energy Commission AEC Manual: Chapter 0511 Radioactive Waste Management
D037	Management of Transuranic Contaminated Material
D038	Radioactive Waste Management
D041	Response to DOE Request for Status on Procurement and Disposal of Yellow Pigmented Items at SRS (U)
D043	Chapter 20, Savannah River Site at Fifty: Steward Ship and Legacy
D044	Old Radioactive Waste Burial Ground
D046	Researcher Provides a Historical Perspective for Plutonium Heat Sources
D048	Technical Standards For H-Area B-Line Scrap Recovery
D049	Technical Standards for H-Area B-Line, Neptunium Oxide Facility
D050	Characterization of HB-Line Low-Level Waste
D051	Milliwatt Surveillance Program Ensures RTG Safety and Reliability
D052	Systems Analysis — 200 Area Savannah River Plant HB-Line Operations
D053	Physical Behavior of Pu-238 Oxide (U)
D054	Thorium Processing in H-Canyon Technical Standards

Tracking Number	Title
D055	Technical Standard Enriched Uranium and Plutonium Scrap Recovery in HB-Line
D056	Safety Analysis — 200 Area; Savannah River Plant, Separations Area Operations, H, B-Line, Plutonium Oxide Facility (Sup 2C)
D058	HB-Line Basis for Interim Operation (U)
D059	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Before 1986
D060	Calc Note — HB-Line Chemical Hazard Analysis (U)
D061	Technical Standards for H Area B-Line Plutonium Oxide Facility
D062	Recovering U-235 and Pu-238-Pu-239 in HBL
D064	Separations Incident, SI-76-24 — Solids in Filtered Enriched Uranium Scrap Solution – 221-HB-Line
D065	Separations Incident, SI-76-16 — Unexpected Reaction in Scrap Recovery Dissolver – 221-HB-Line
D066	Separations Incident, SI-81-5-52 — Contamination Release, HB-Line Scrap Recovery Facility
D067	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan
D069	Separations HB-Line Low-Level waste Certification Plan Assessment Report (U)
D075	1992 Renewal application for a RCRA Part B Permit, Savannah River Site Volume XIII – TRU Pads Facility and Waste Certification Facility, Revision B, December 21, 1993
D079	TRU Waste Acceptance Criteria for the Waste Isolation Pilot Plant
D080	Los Alamos National Laboratory Transuranic Waste Characterization/Certification Program, Acceptable Knowledge Summary Report for Combustible/Noncombustible, Metallic, and HEPA Filter Waste Resulting from 238Pu Fabrication Activities
D084	Technical Safety Requirements Savannah River Site — Solid Waste Management Facility (U)
D088	Savannah River Certification Plan for Newly Generated, Contact-Handled Transuranic Waste
D090	Test Authorization No. 2-917 for Cleanup of Room 311 Sumps
D092	Low Level Radioactive Waste/Mixed Waste Certification Plan Separations HB-Line Facility
D095	History of DuPont at the Savannah River Plant
D098	SRP Thorium Processing Experience
D099	Sample Schedule for HB-Line and the Compact Billet Line in 235-F
D101	Works Technical Report for July 1977
D107	Active Well Neutron Coincidence Assays for U-235 Content in HB-Line Desicooler Repackage Campaign at the Savannah River Site
D108	Analysis of Events Associated with First Charge of Desicooler Material
D109	Draft Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to Production of Radioisotope Power Systems
D110	Westinghouse Savannah River Company Annual Report 2003
D111	Westinghouse Savannah River Company Annual Report 2004
D112	Annual Report Washington Savannah River Company 2005
D113	Washington Savannah River Company, Setting The Stage For Tomorrow, 2006 Annual Report
D114	Neutralization of Plutonium and Enriched Uranium Solutions Containing Gadolinium as a Neutron Poison
D115	Dissolution of FB-Line Residues Containing Beryllium Metal
D116	HB-Line Safety Analysis Report (U)
D120	Dissolution of Fissile Materials Containing Tantalum Metal
D124	Systems Analysis — 200 Area Savannah River Plant. Chemical Separations Facilities Canyon Operations, Volume 1
D127	Treatability Variance for Silver Coated Packing Material
DR001	Discrepancy Resolution: Physical Form Leaded Gloves
DR013	Consolidation of waste streams

Tracking Number	Title
M009	TRU Waste Drum Data Sheet for Five Containers
M012	Operations Pre-Plan Checklists (ADM-HB-4177)
M014	Burial Ground Records and TRU Waste Package Data Forms
M015	TRU Waste Container Characterization Forms (OSR 29-90)
M021	Dismantlement and Decontamination at the Savannah River Site
M022	HB Line's New Facility Finishes First Campaign
M023	Radiological Work Permit for packaging of a high rate HEPA filter from Room 514.
M026	SR-W027 DOE waste stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MITI)
M027	Chronological History of the TRU Drum Vent Filter
M028	History of Transuranic Waste Management at the Savannah River Site
M030	Characterization of SRP Retrievably Stored Transuranium Waste
M034	Presentation: Savannah River Site Mixed waste streams Data and Photo Catalog
M037	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)
M040	Presentation: Savannah River Site Transuranic Waste Program
M041	Presentation: Savannah River Site Waste Characterization Plans
M046	Power Point Presentation: Storage and Disposal History
M047	TRU Waste
M048	Fluorescent Tube Disposal Gets OK
M051	MSDSs
M052	COBRA Database Update
M054	Miscellaneous SRS Maps and Location Information
M055	Questions Regarding Drum Retrieval Plans
M056	Old HB-Line Pu-238 Powder Can Inventory
M057	Waste Acceptance Criteria for USF/HB-Line Waste Handling Facility
M058	Notes — HB-Line TRU Waste
M061	Figure 2 — Schematic of New HB-Line Plutonium-238
M062	Old HB-Line Pu-238 Powder Can Inventory
M063	Handwritten table of chemical information
M066	HB-Line AK Tracking Spreadsheet
M069	HB-Line Process History 8/11/70 Through 10/25/74
M073	Accountability Book: Uranium Receipts, Charges, Transfers
M082	Clarification of Scrap Declaration
M094	Accountability Book 4
M095	Accountability Book: SR-IC-50 and MOUND Pu-238 Guide: Receipts and Waste to Burial Ground
M096	Accountability Book: Scrap Book II, Receipts, Dissolver Charges, Waste to Burial Ground
M098	Low Level Mixed Waste Inventory from HB-Line, Post-1990
M099	Chemical Inventory Data
M108	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M109	Evaluation of 62 Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M110	Evaluation of 32 Additional Containers for SRS-4 waste stream SR-W027—221H-HET (HB-Line)
M112	Excel spreadsheet: waste material parameter analysis for SR-W027-221H-HET waste stream
M115	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions
M122	Acceptable Knowledge Beryllium Assessment for CCP-SRS- AK Reports 1 through 7
M125	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions 6/1/05

Tracking Number	Title
M126	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line). May 19, 2006
M127	29-90 Forms for drums Added May 19, 2006
M131	INL-Built Nuclear Power Systems Crucial to Future Space Missions – A Growing Mission with High Visibility
M133	Support Data for the Addition of Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)
M134	Material Safety Data Sheets (MSDS) for Decon Products in NOP 221-HB-4989
M169	Waste Stream SR-RH-221H.01 Container Specific Evaluation Information
M183	Waste Stream SR-RH-221H.02 Container Documentation
P001	Excess Permanganate, Technical Reference, Procedure Manual L3.11
P003	Proper Disposal of Hazardous Waste in RCA
P004	H-Canyon / Of-H / Old B-Line Facility-Specific Waste Minimization Plan
P007	Changing Internal Cabinet HEPA Filters and Cabinet Supply HEPA Filters, Phase I (U)
P007A	Changing Internal Cabinet HEPA Filter and Cabinet Supply HEPA Filter (U)
P014	Packaging and Sealing TRU Waste in 55-Gallon Drums (U)
P015	Cabinet Bagport Operations (U)
P016	Operations Pre-Plan Checklist/Pre-Job Briefing (U)
P018	TRU Waste Drum Data Sheet
P022	Changing Gloves/Bags/Safety Covers Using Glove Ejection Tool (U)
P023	Cleaning and Removing Plastic Huts (U)
P024	Draining of Process Jacket Piping (U)
P025	Flushing and Transferring Recovery Cabinet Sumps (U)
P026	Handling TRU Waste (U)
P027	Neutralization of Acidic Wipes (U)
P031	Inspecting, Removing, and Installing Scrap Recovery Process Filter Media (U)
P033	HB-Line Facility Flush Program (U)
P034	TRU Waste Drum Data Sheet for Plutonium (Pu) 242 (U)
P037	Changing HEPA Filters in Room 605/610 (U)
P038	Dissolution of Pu-239 Scrap (Cold Runs) (U)
P042	Inspecting and Assembling 55-Gallon Waste Drum Units (U)
P045	Packaging and Disposing of Dry Radioactive Waste
P046	Special Products HB-Line; Chapters I, II, III, V, & VII
P047	Repackaging of TRU Waste Drums Returned from the Solid Waste Disposal Facility
P048	Sealing Fiberglass Boxes which Contain TRU Waste with TRIMCO Gasket
P049	General Decontamination (U)
P050	Savannah River Site Waste Acceptance Criteria Manual, E-Area TRU Pads Transuranic Waste Criteria
P051	Storing TRU Waste in Concrete Containers
P052	Drum Retrieval from TRU Pads 2-6 (U)
P054	Storage of Transuranium (TRU) Waste
P055	Shipping Waste to Burial Ground
P056	Packing TRU Waste and Sealing in 55-Gallon Drums
P057	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control includes DPSOP 40: Burial Container Limits
P058	Repackaging TRU Drummed Waste at 643-G
P059	Handling Transuranium Waste in 221-H Canyon & 211-H Facility
P061	Identifying TRU Drums With Missing Container ID Tags (U)
P062	Burying Classified Waste at Building 643-G
P063	Handling Radioactive Waste

Tracking Number	Title
P064	Completing TRU Waste Burial Records
P067	Cabinet Bag Port Operations
P069	Packaging and Sealing Contaminated HEPA Filters in Polyethylene Boxes
P070	Disposal of Non-acidic Contaminated Liquids
P072	Neutralization of Polypropylene Wipes in Scrap Recovery
P073	Completing TRU Waste Burial Records and TRU Waste Data Package
P076	Ordering, Purchasing, and Handling of Blue Dot Chemical Products (U)
P077	Handling Chemicals
P078	Handling HB-Line Samples
P081	Potassium Permanganate ($KMnO_4$) Neutralization and Disposal
P082	Neutralization of Polypropylene Filter Bags in Scrap Recovery (U)
P083	Neutralization of Phase II Non-filter Waste
P084	Filter Change-out and Neutralizing Waste/Filters
P088	Packing TRU Waste and Sealing Drums
P089	Shipping Waste to Burial Ground
P090	Suspect Waste Management Program (U)
P091	Packaging and Sealing TRU Waste in 83-Gallon Drums (U)
P092	Packaging and Sealing the Standard Waste Box
P093	Completing TRU Waste Burial Records and TRU Waste Data Package for Pu-239 (U)
P094	Packaging Non-Process Cabinet TRU Waste and TRU Decontamination Waste into Drum liners
P096	Operating Gamma Pulse Height Analyzer for Pu-238 Waste
P101	Installing and Removing Polypropylene Filter Bags
P103	Handling of Low-Level Radioactive Solid Waste
P104	Solids Rinsing, HBLine (U)
P105	Dissolution of Fissile Scrap
P106	Absorbing Containerized Liquids
P107	TRU Drum Remediation
P108	Phase I Glovebox Cleanup and Neutralization of Acidic Wipes
P109	Controls for Waste Containers that Require Further Processing
P110	TRU Drum Repackaging
P111	MRS Operations (U)
P112	TVEF Operations (U)
P113	Packaging Phase I (Scrap Recovery) TRU Waste
P119	Procedure 842 from the Phase I Scrap Recovery Manual: Preparing Tantalum (Ta) for Bag Out
P120	Procedure 843 from the Phase I Scrap Recovery Manual: Tantalum (Ta) Bag Out
P121	Procedure 840 from the Phase I Scrap Recovery Manual: Rinsing Tantalum (Ta) After Dissolution
P122	Procedure 841 from the Phase I Scrap Recovery Manual: Weighing Tantalum (Ta)
P125	HB-Line Characterization of Transuranic (TRU) Waste (Supersedes Rev. 10 of NMS-EHB-990045, D005A)

Figure 1. Savannah River Site Geographic Location

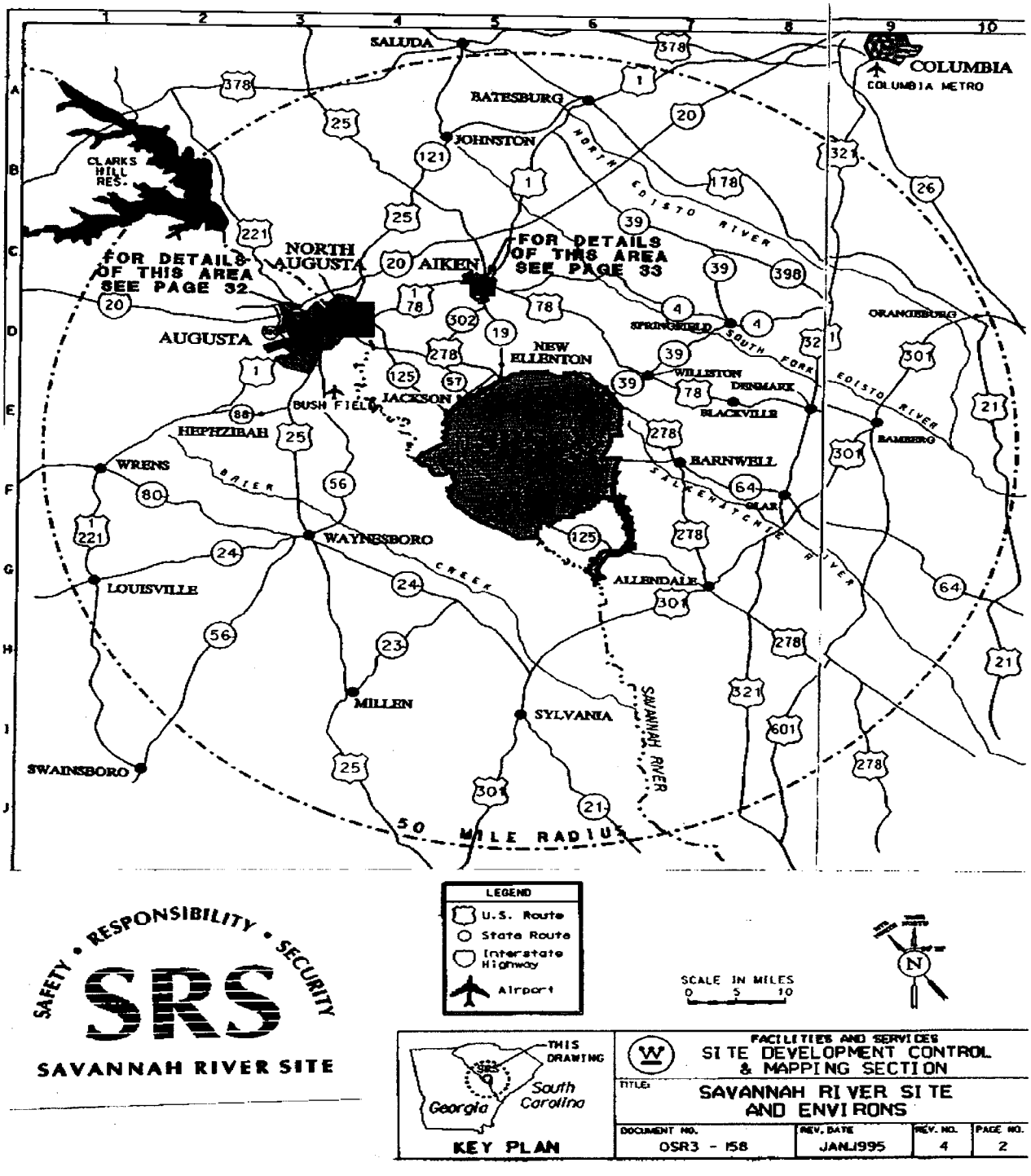


Figure 2. Location of the 200-H Area and Burial Ground Within Savannah River Site

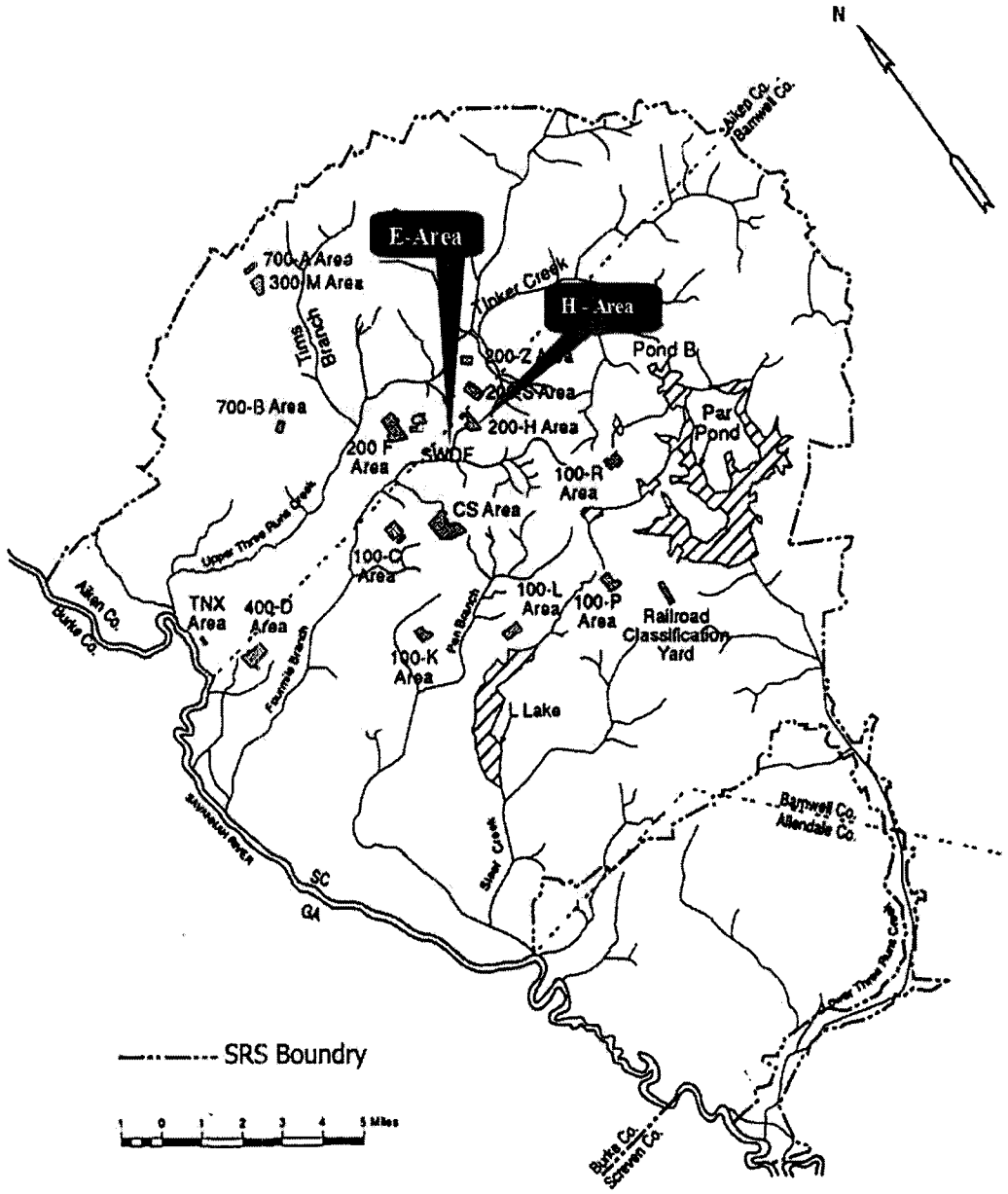


Figure 3. Savannah River Site E-Area Map

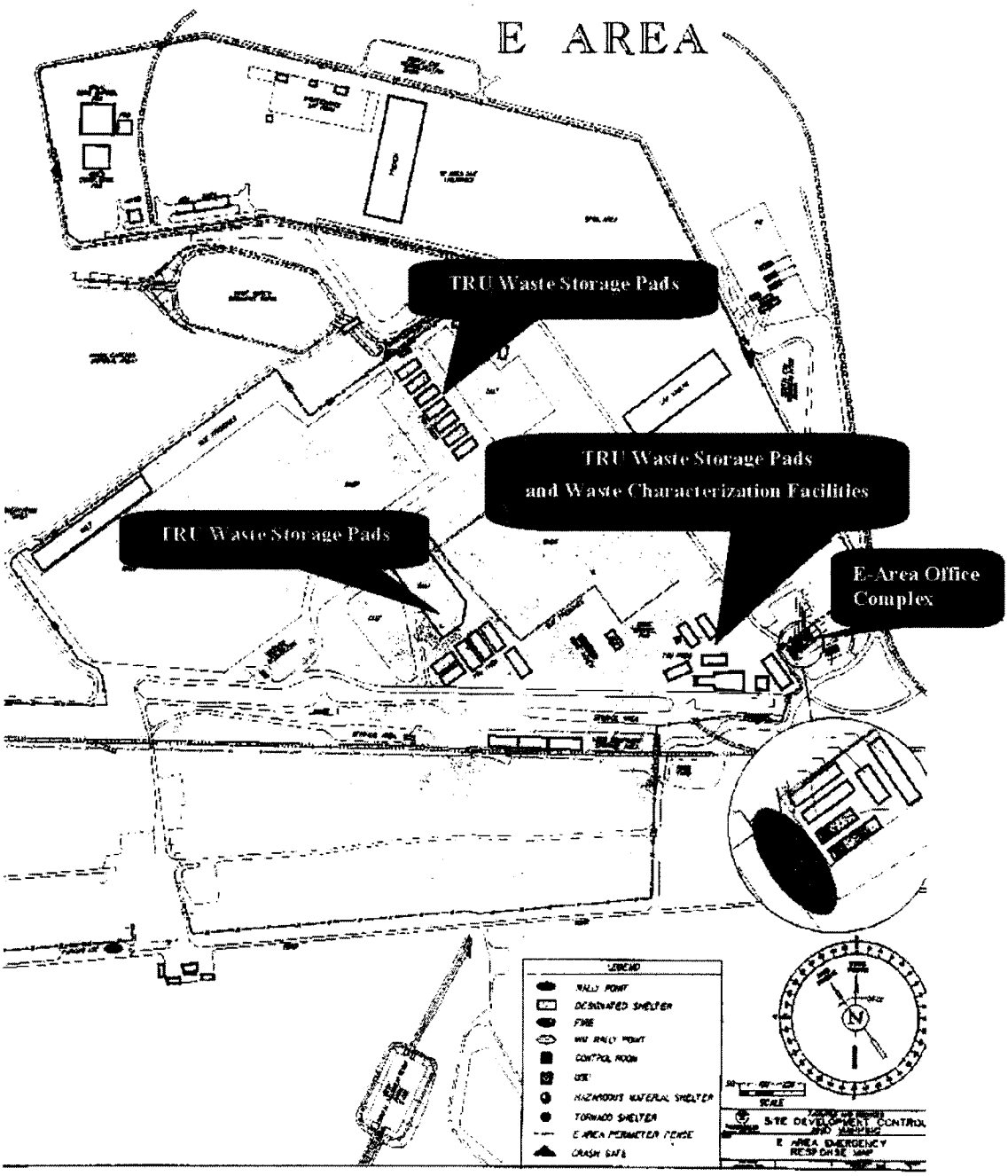


Figure 4. History of SRS Waste Management Practices

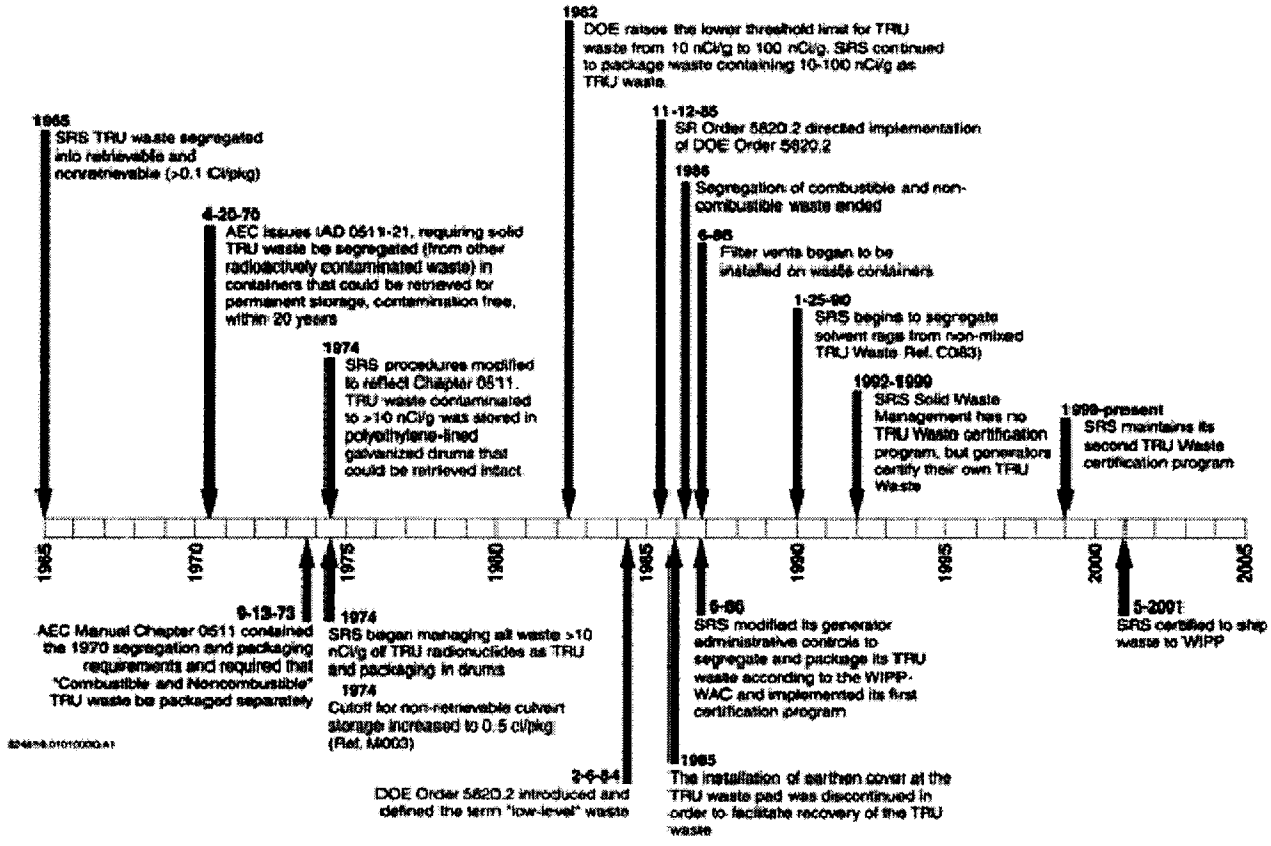


Figure 5. Timeline of Material Processing Activities at the Scrap Recovery Facility

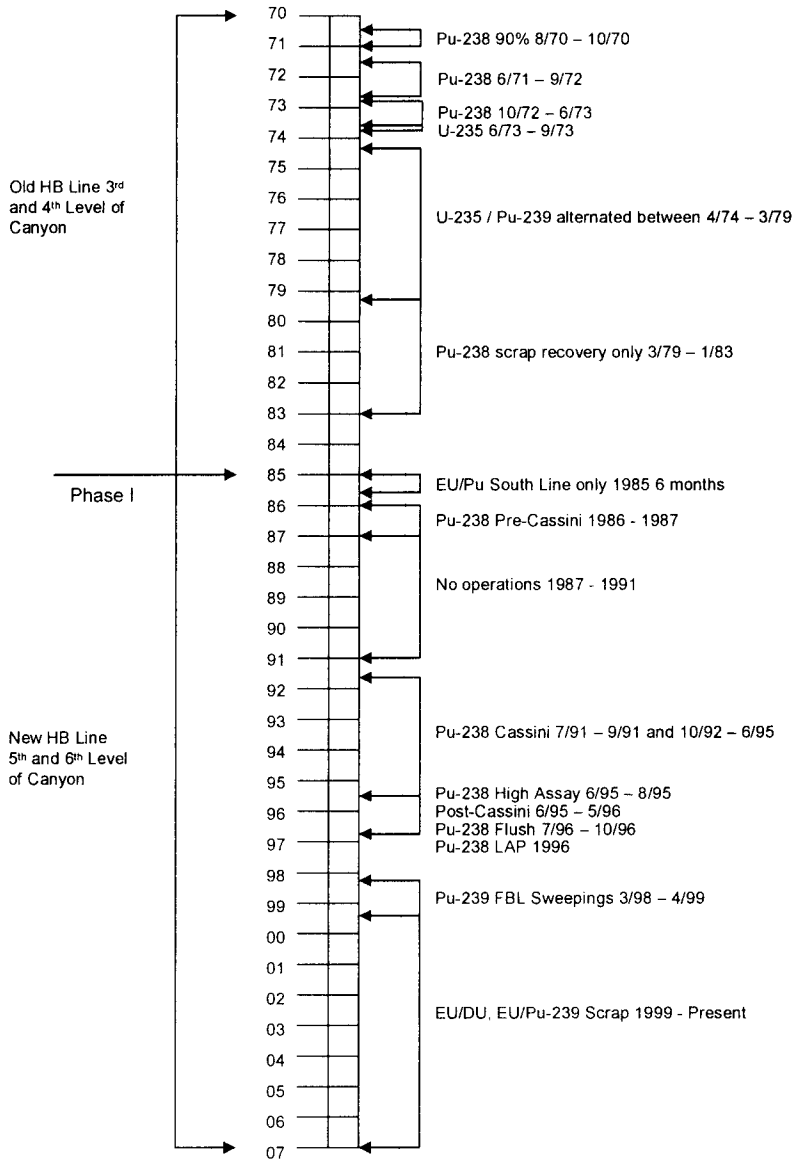


Figure 6. Timeline of Material Processing Activities at the Neptunium Oxide Facility

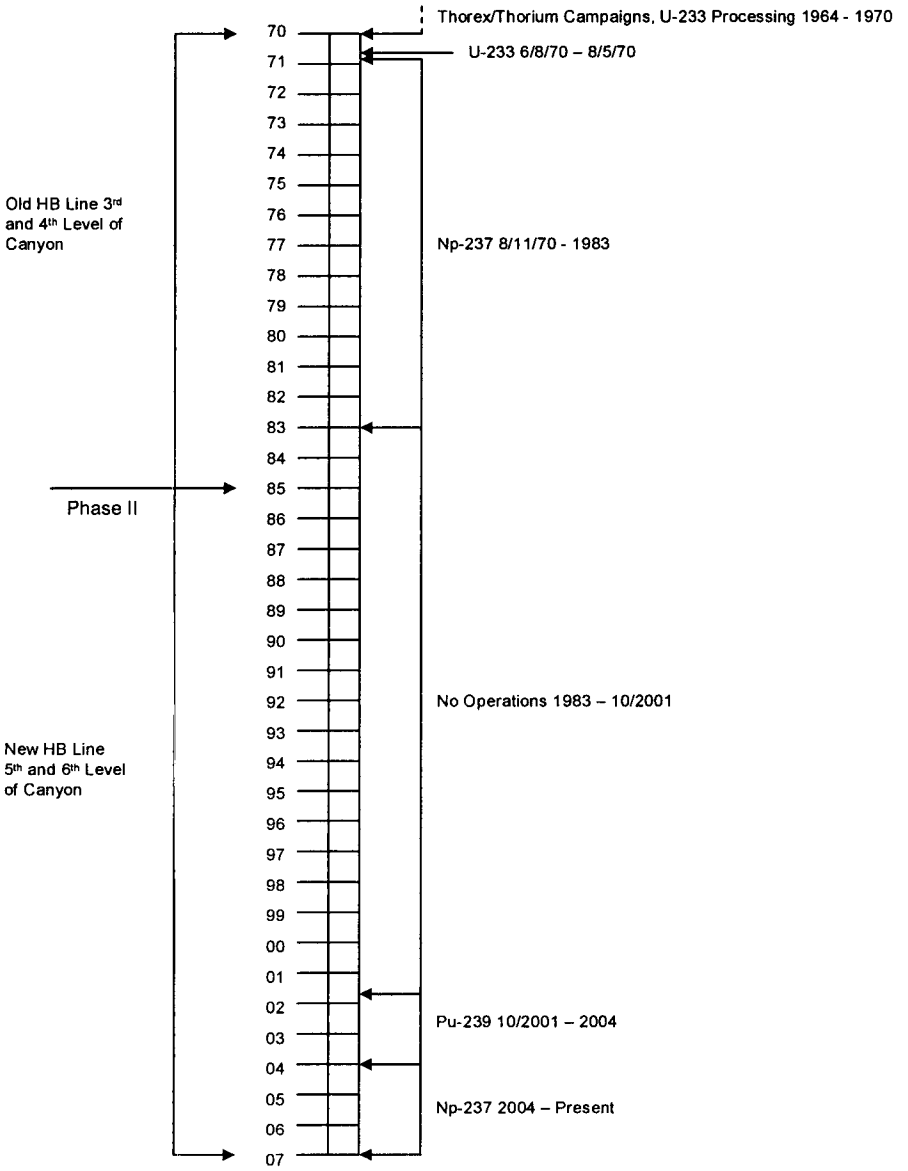


Figure 7. Timeline of Material Processing Activities at the Plutonium Oxide Facility

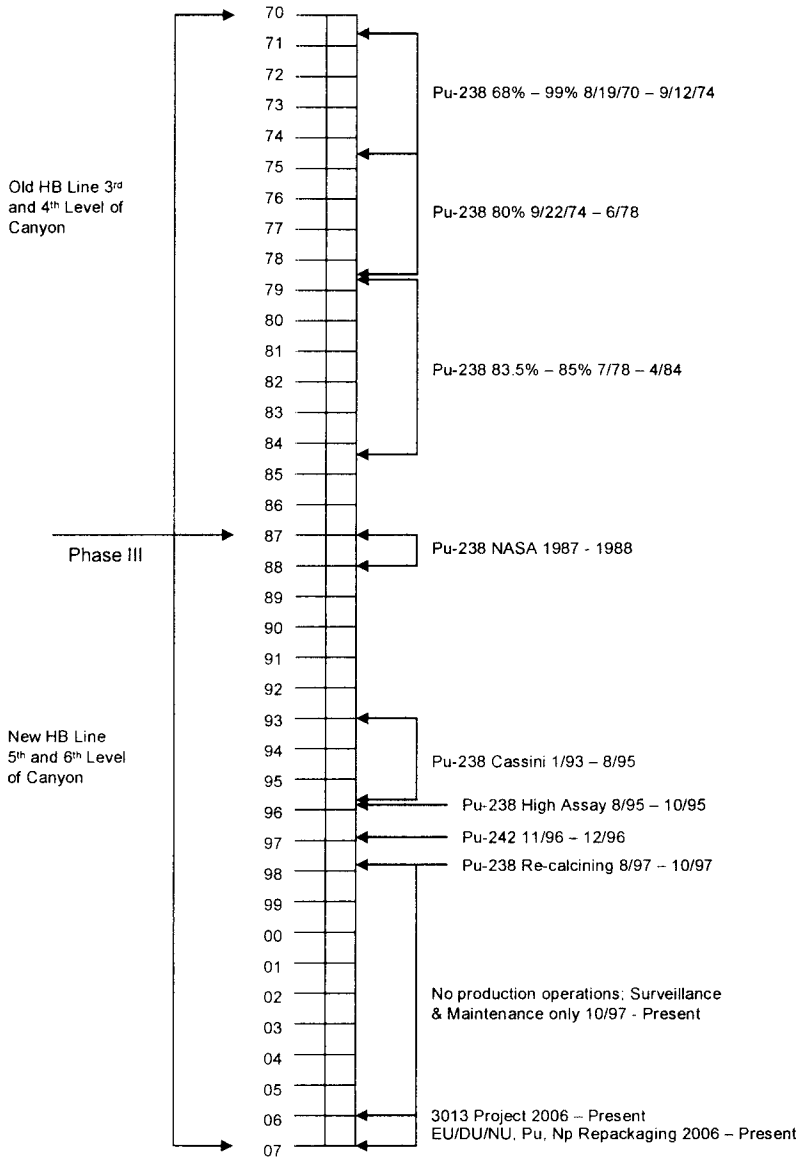


Figure 8. Primary Operations in Scrap Recovery

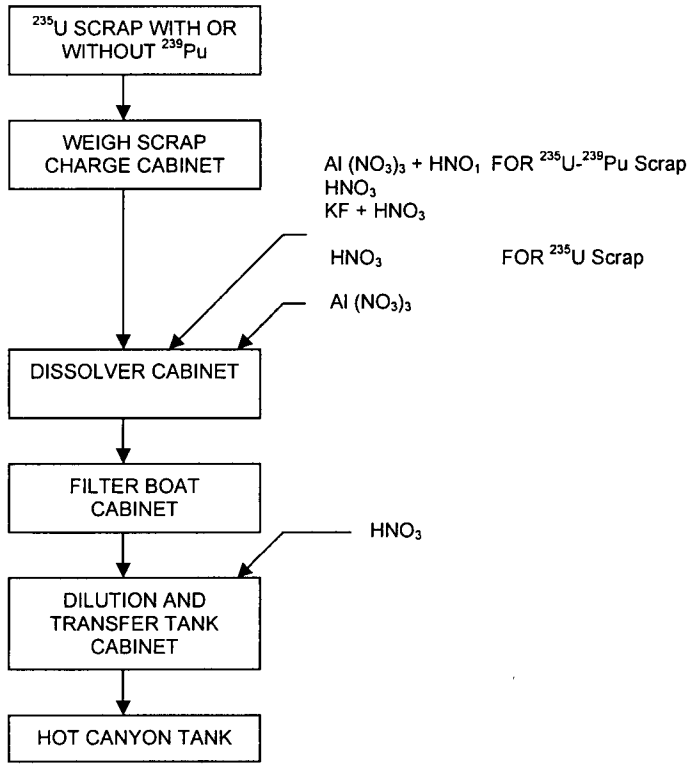


Figure 9. Flow Diagram for Old HB-Line ^{238}Pu Scrap Recovery

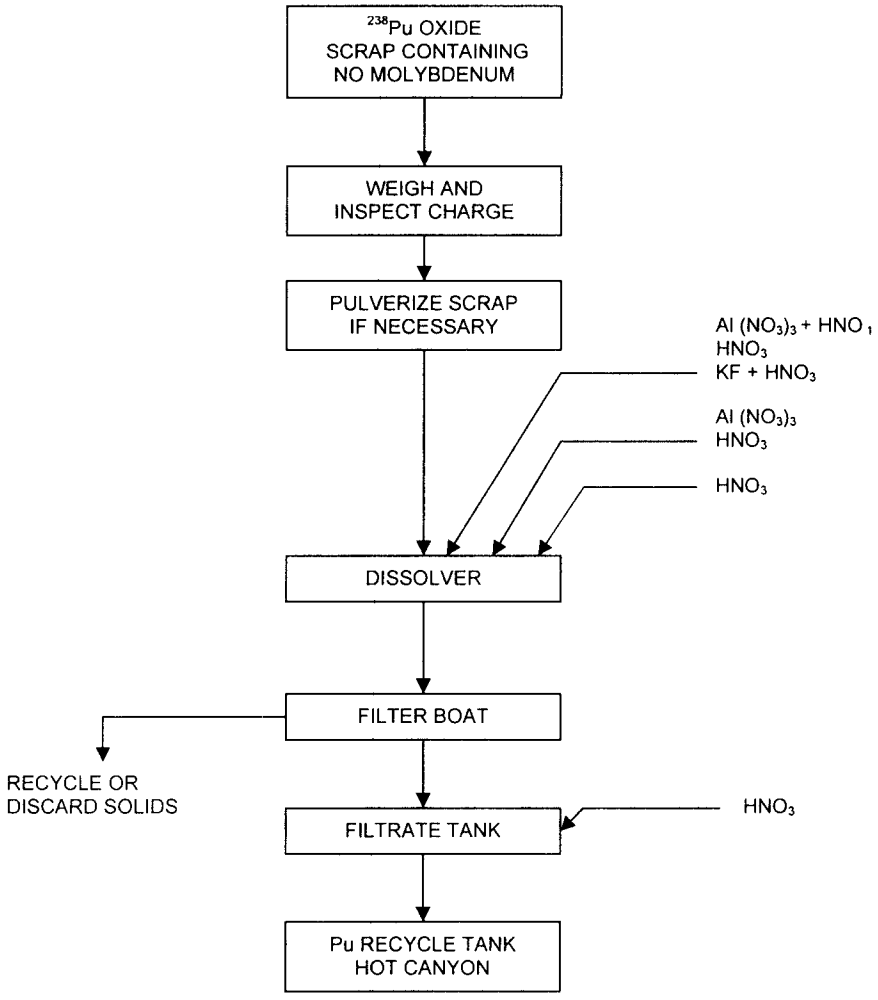


Figure 10. Old HB-Line ^{237}Np Process Flow Diagram

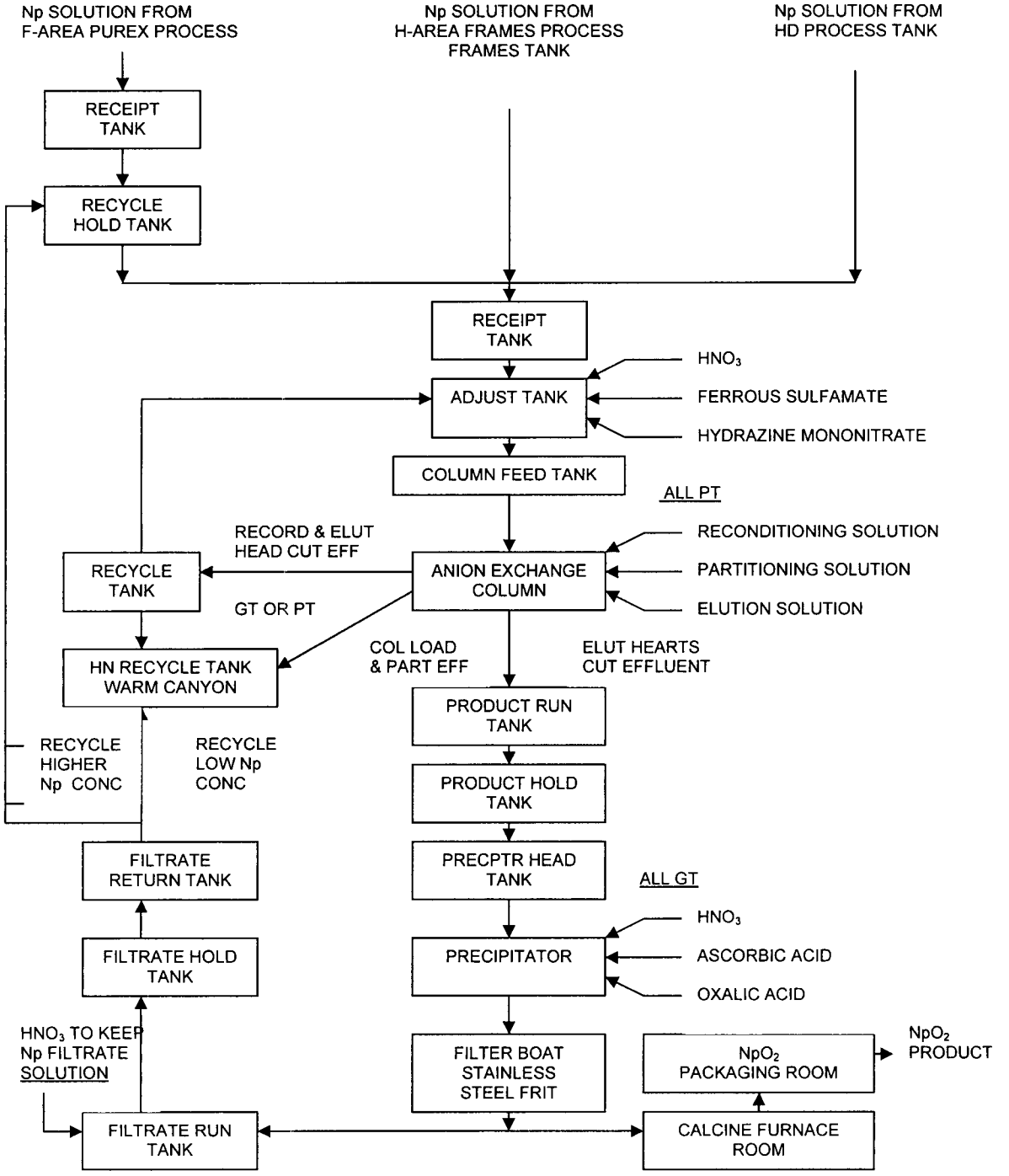


Figure 11. Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery

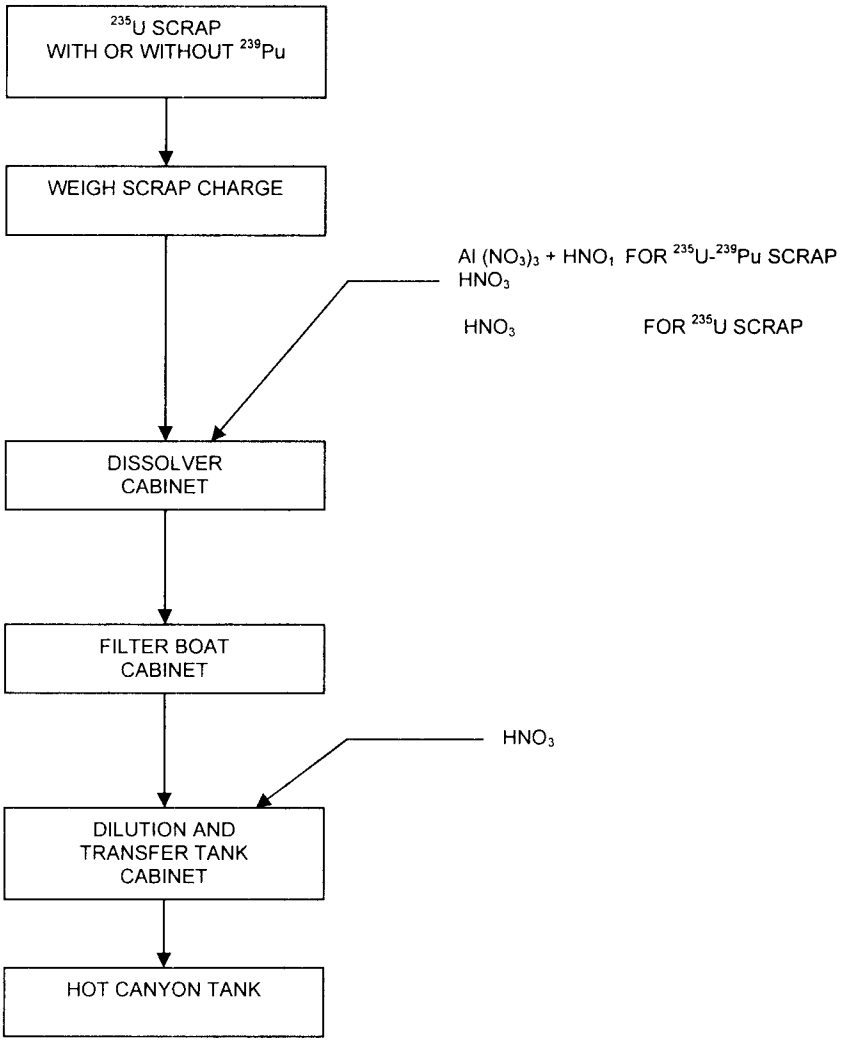


Figure 12. Old HB-Line ^{238}Pu Process Flow Diagram

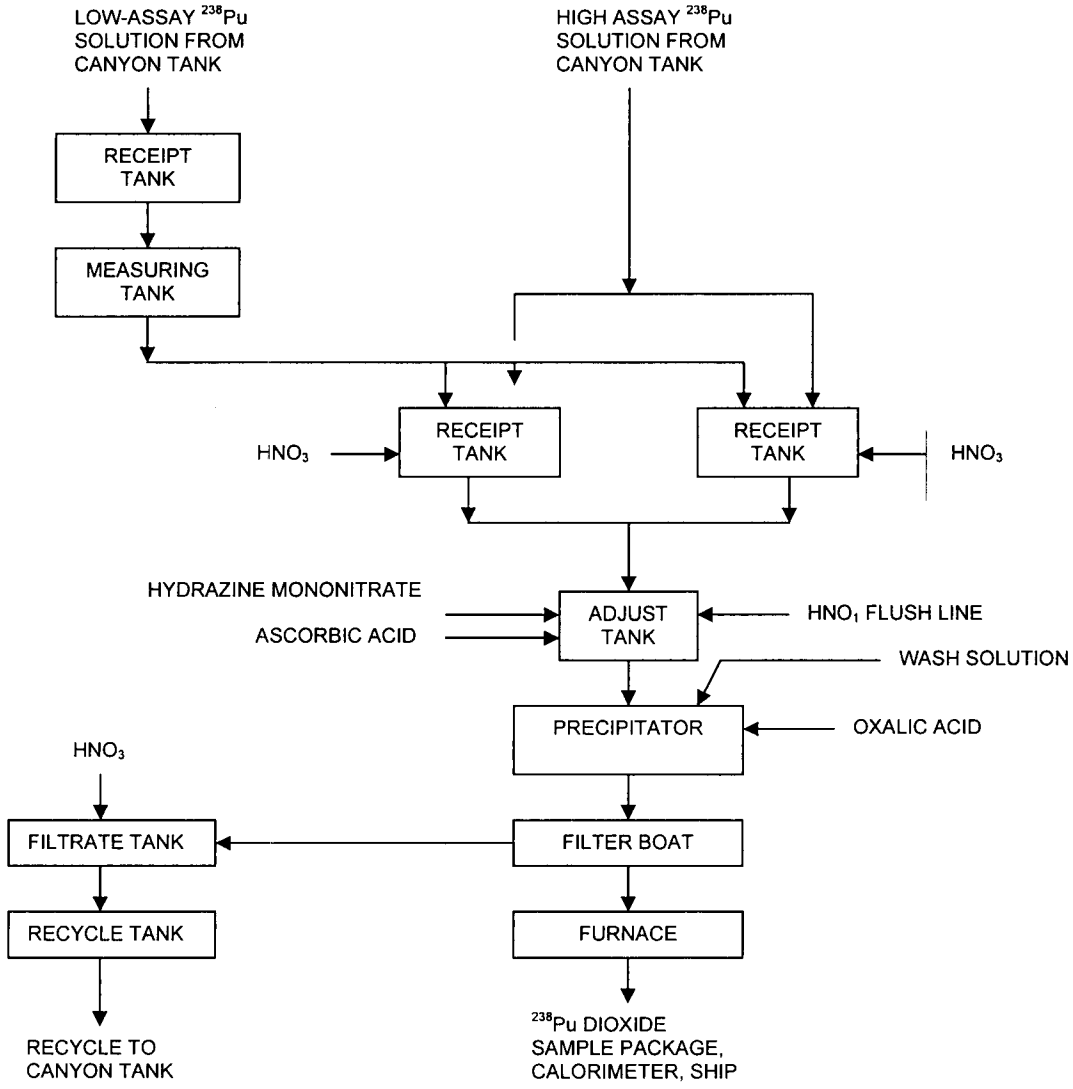


Figure 13. Schematic of New HB-Line Plutonium Oxide Process

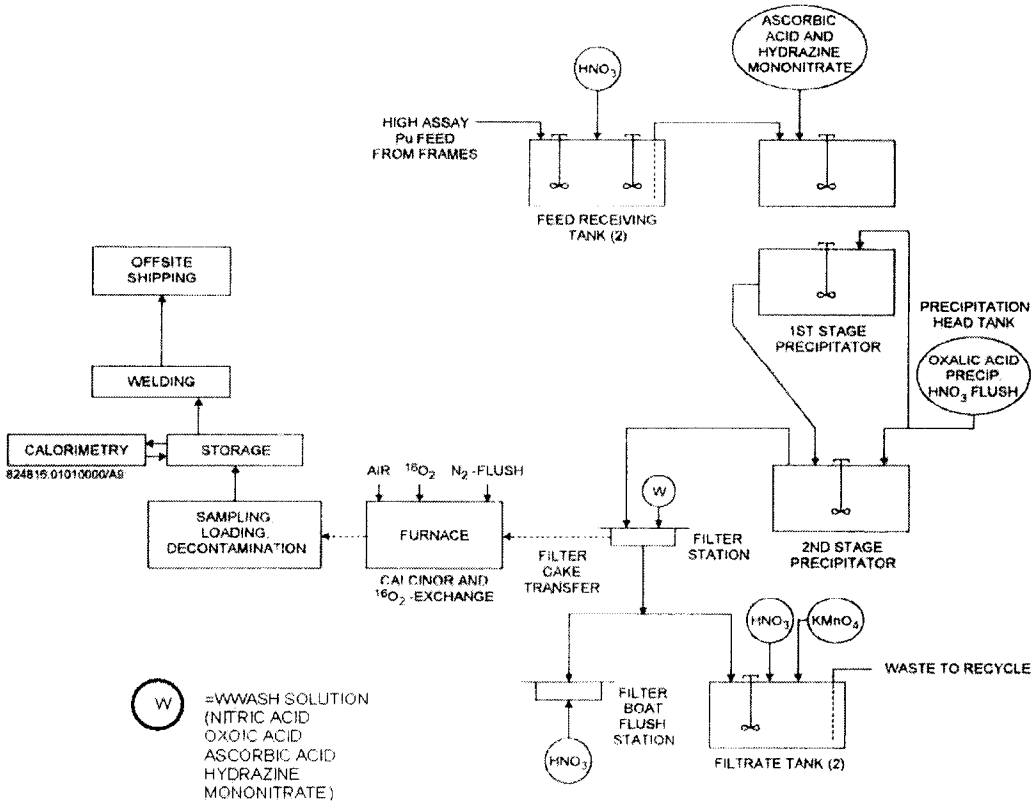
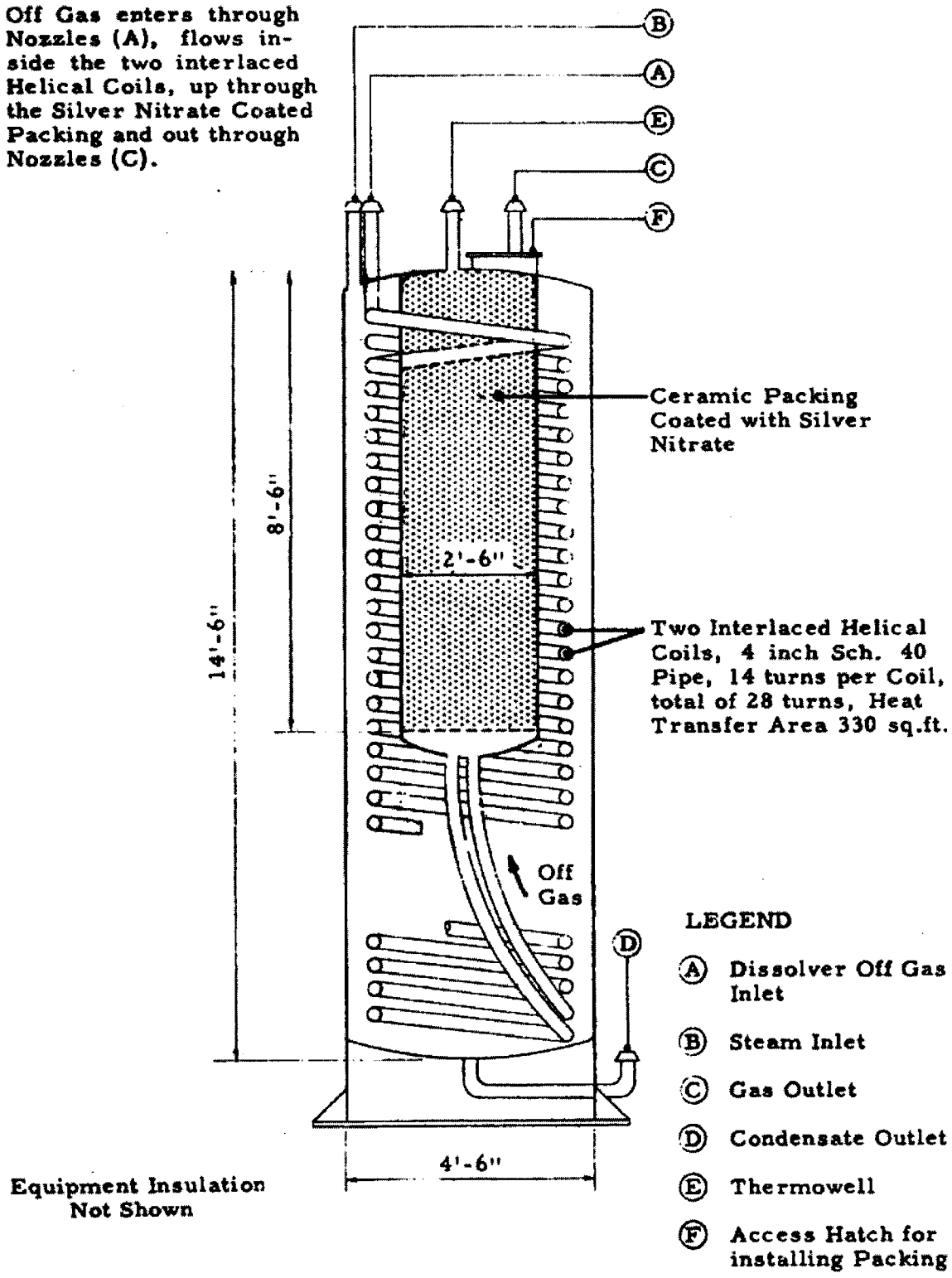
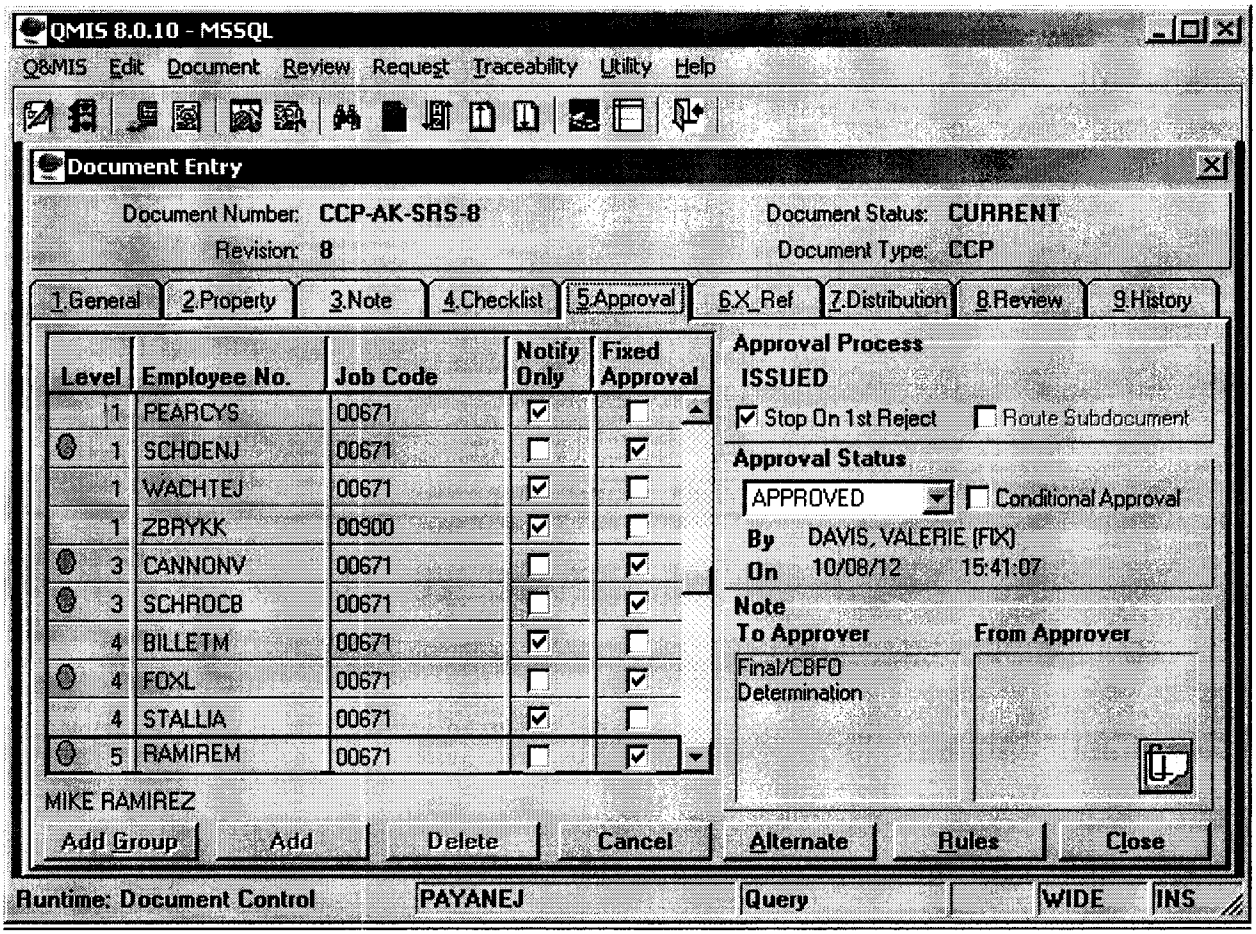


Figure 14. H-Canyon Dissolver Off-Gas Heater and Iodine Reactor

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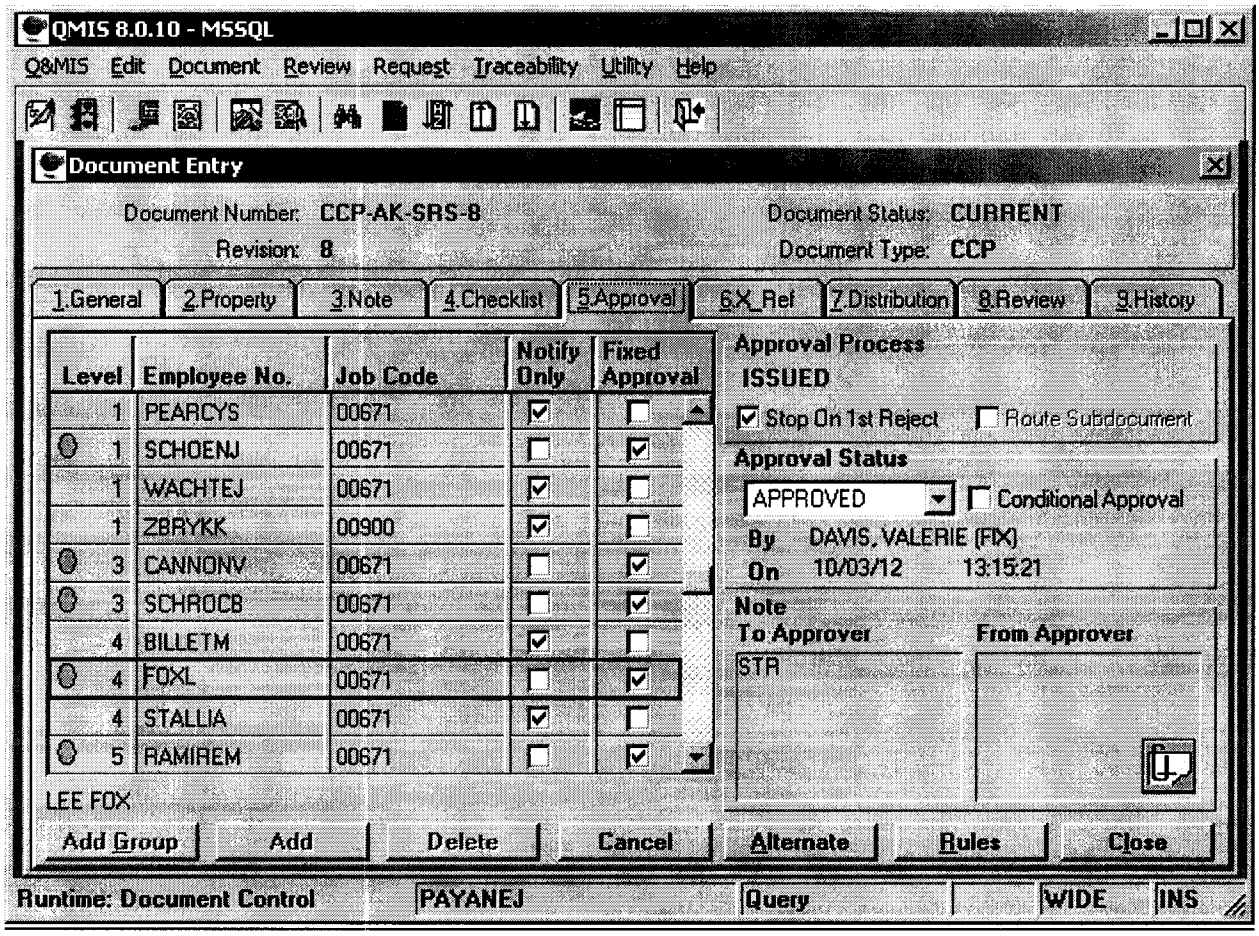
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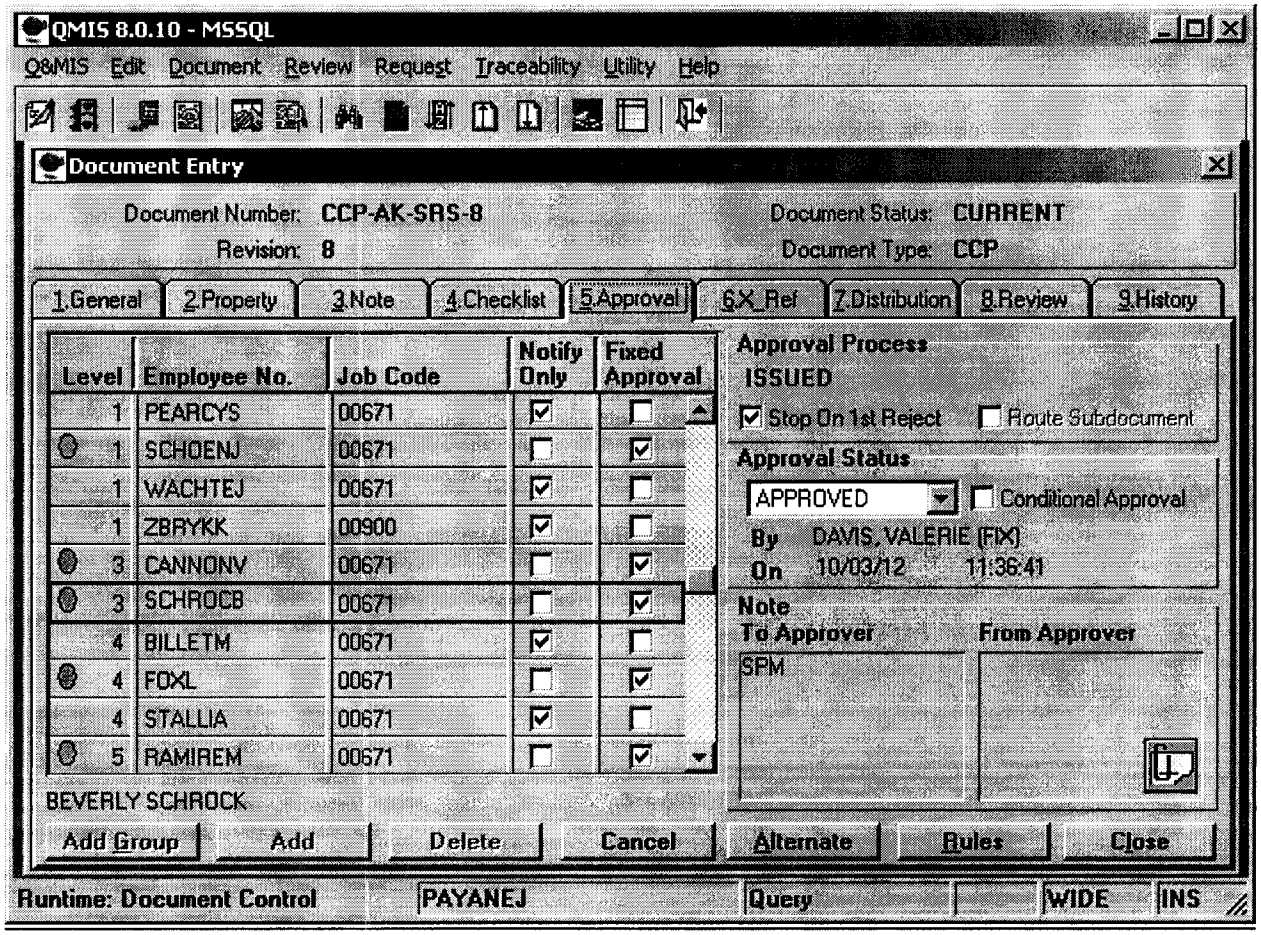
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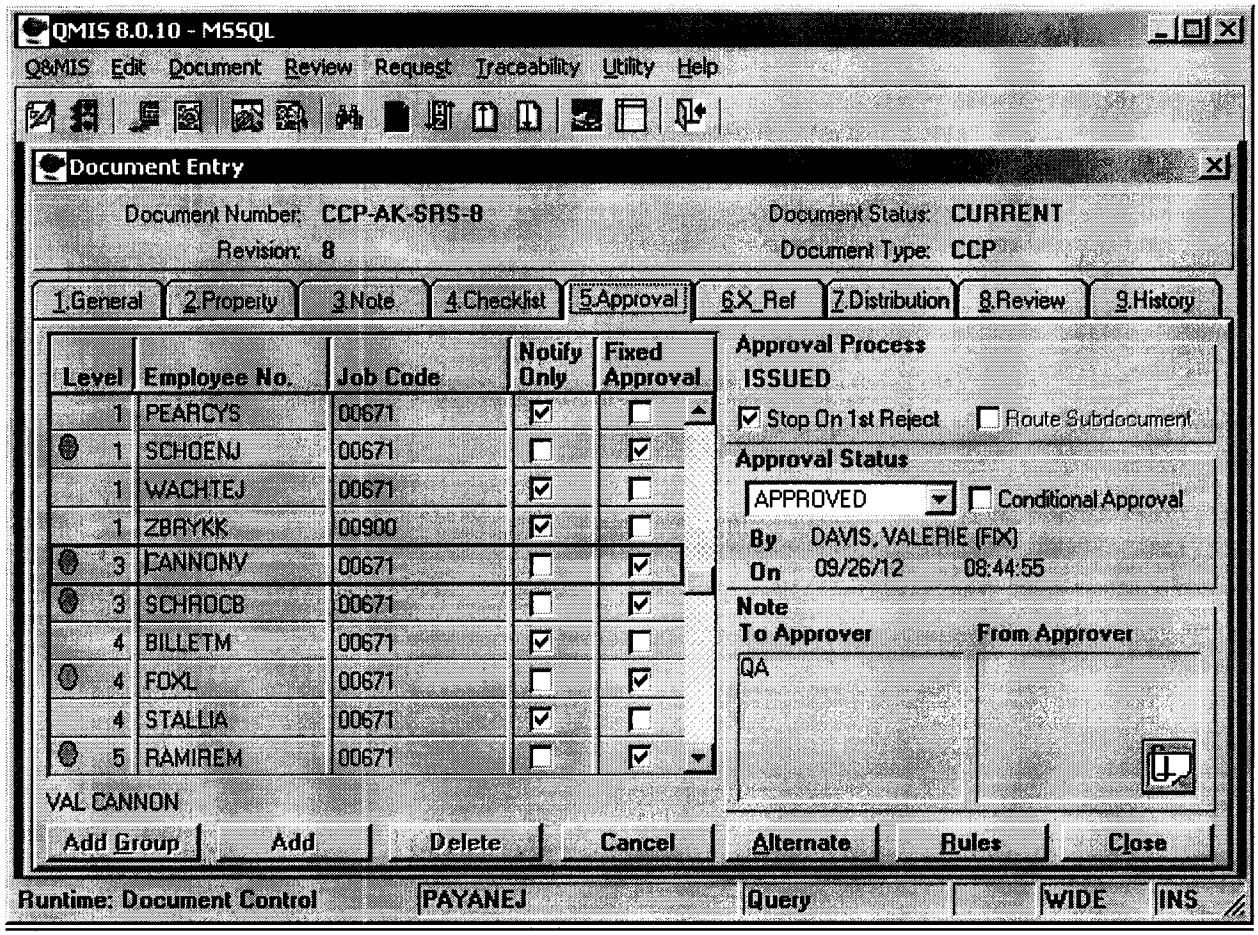
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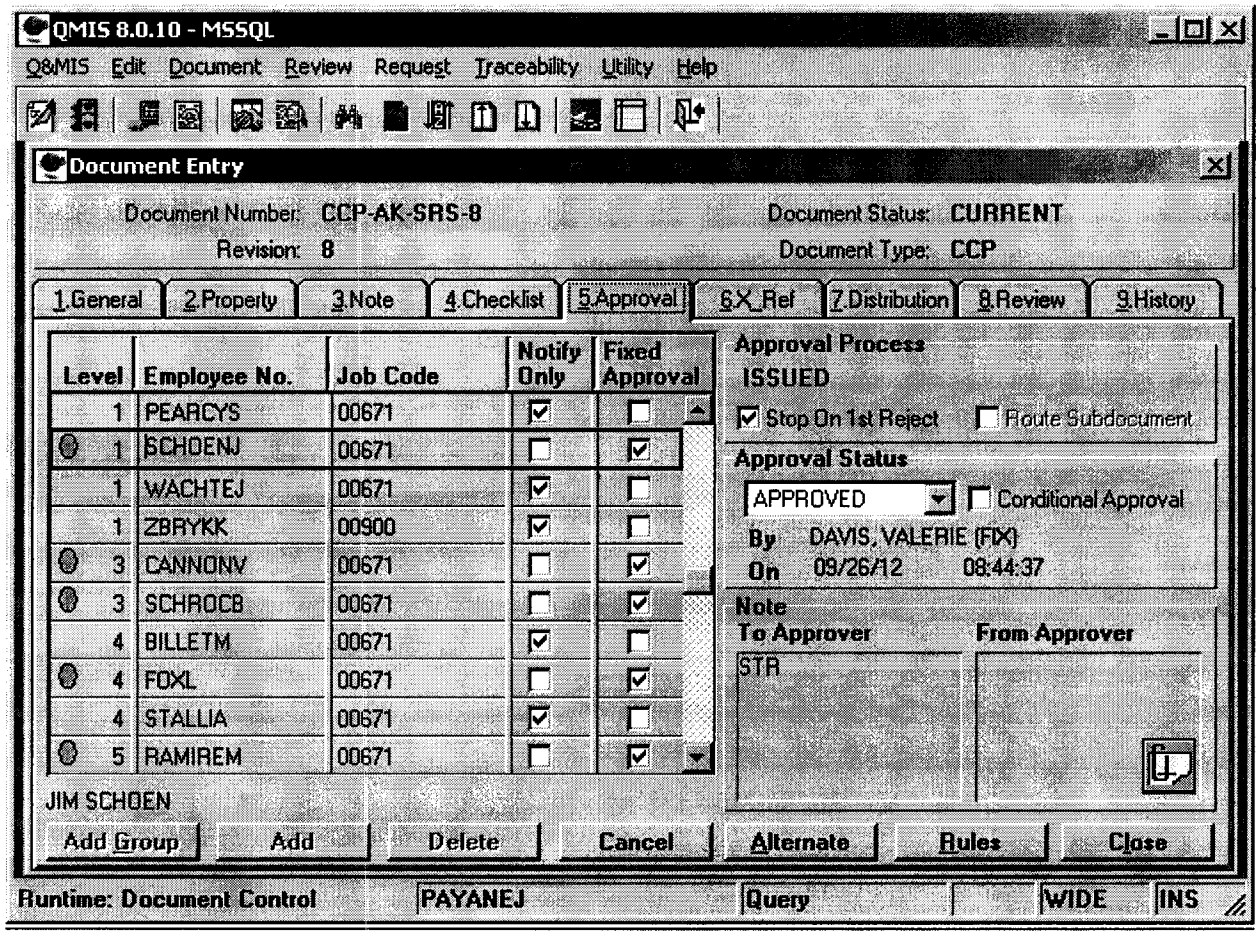
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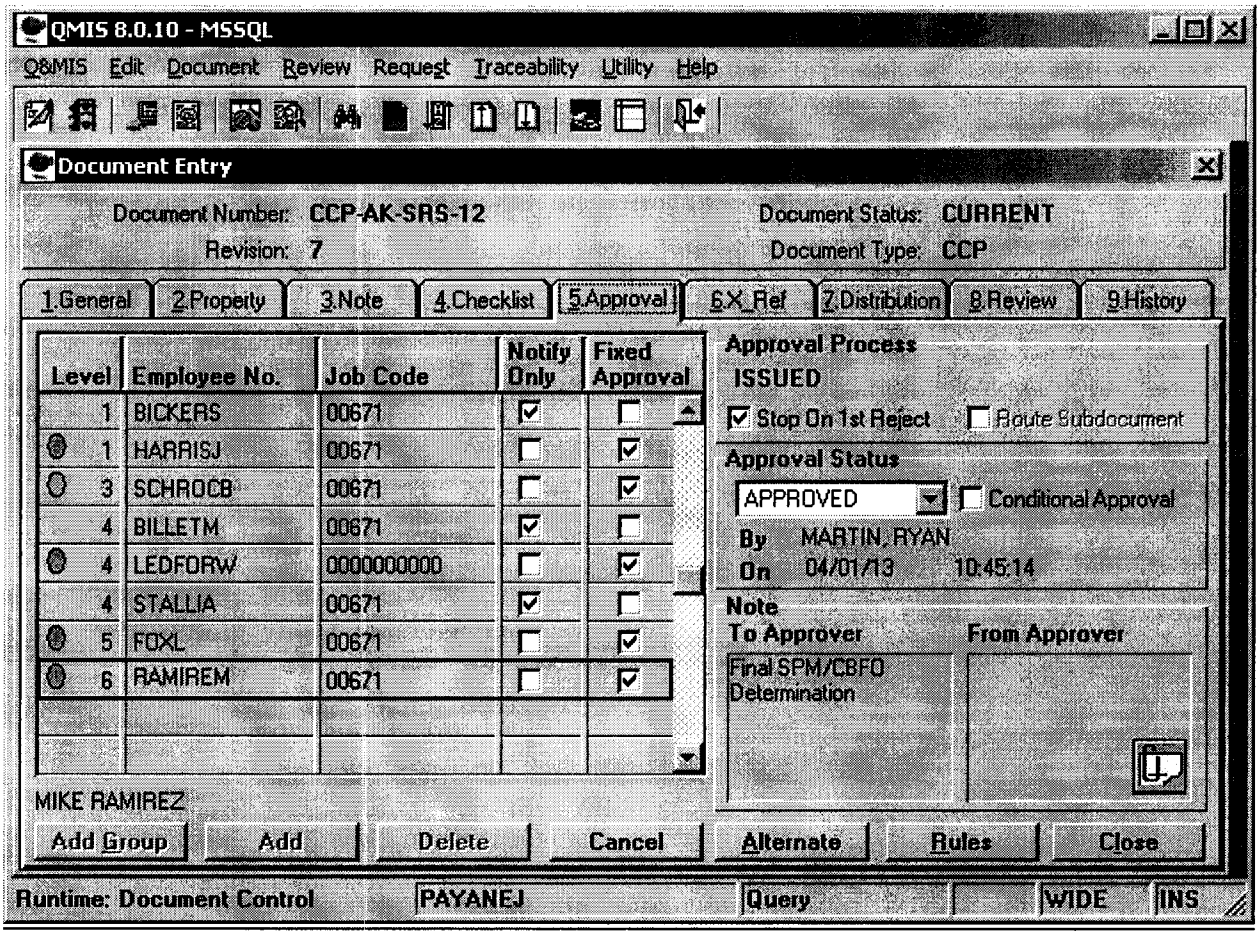
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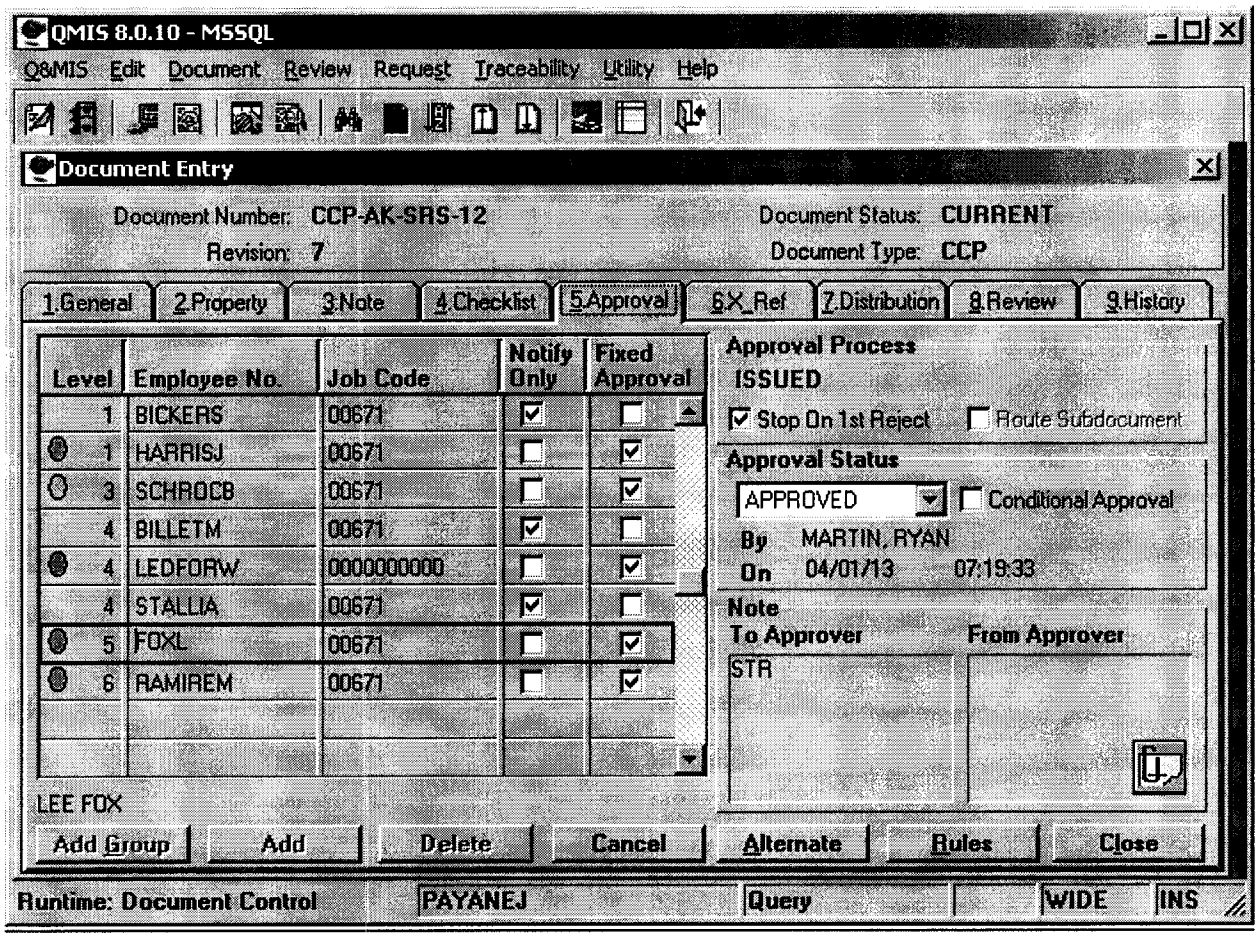
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Revision: 7
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1 General
2 Property
3 Note
4 Checklist
5 Approval
6 X Ref
7 Distribution
8 Review
9 History
Level
Employee No.
Job Code
Notify Only
Fixed Approval
1 BICKERS 00671
1 HARRISJ 00671
3 SCHROCB 00671
4 BILLETM 00671
4 LEDFORW 0000000000
4 STALLIA 00671
5 FOXL 00671
6 RAMIREM 00671
LEE FOX
Add Group
Add
Delete
Cancel
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By MARTIN, RYAN
On 04/01/13 07:19:33
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From Approver
STR
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Runtime: Document Control
PAYANEJ
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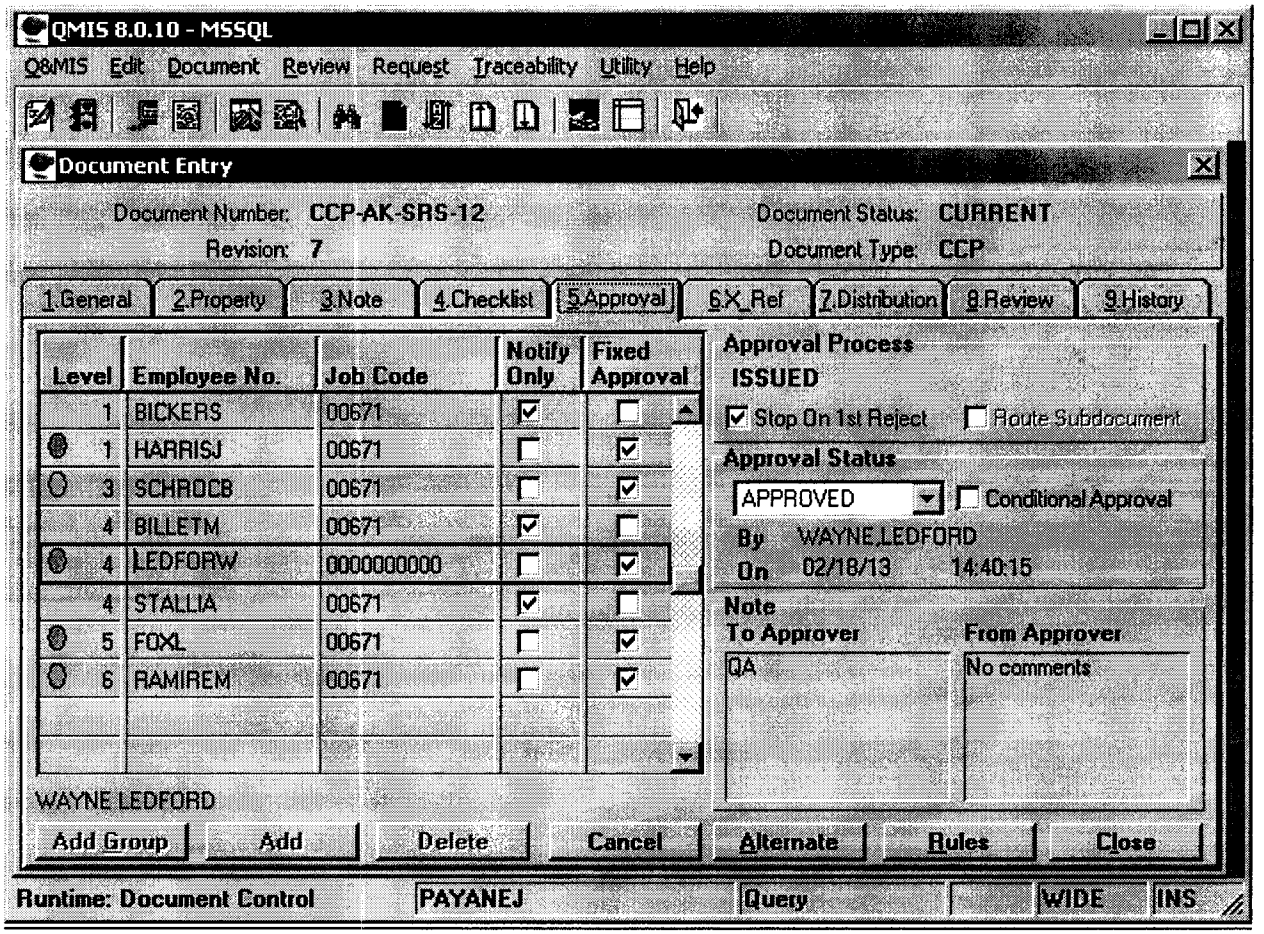
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3 Note
4 Checklist
5 Approval
6 X_Ref
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8 Review
9 History
Level
Employee No.
Job Code
Notify Only
Fixed Approval
1 BICKERS 00671
1 HARRISJ 00671
3 SCHROCB 00671
4 BILLETM 00671
4 LEDFORW 0000000000
4 STALLIA 00671
5 FOXL 00671
6 RAMIREM 00671
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
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Conditional Approval
By WAYNE,LEDFORD
On 02/18/13 14:40:15
Note
To Approver
From Approver
QA
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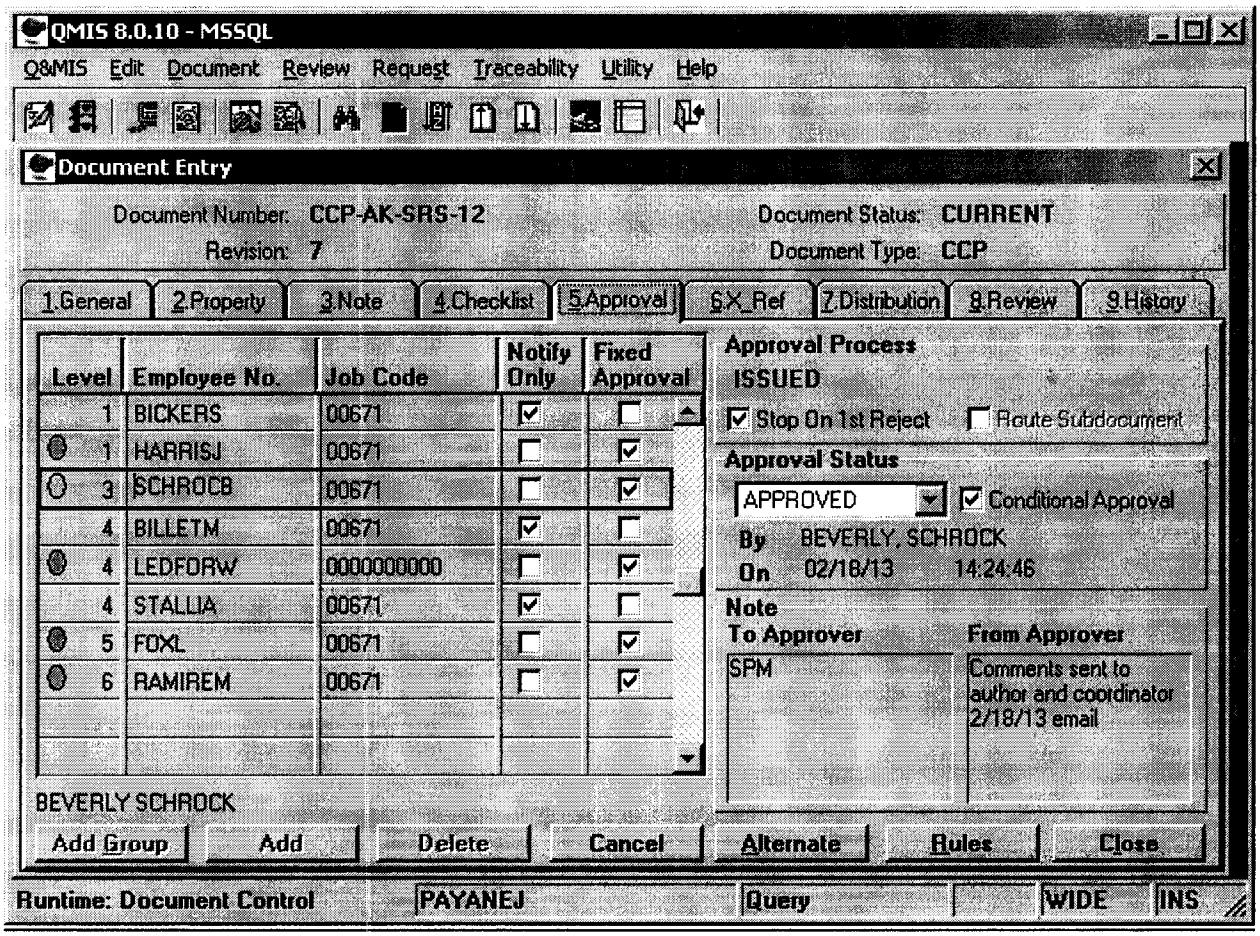
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2 Property
3 Note
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5 Approval
6 X_Ref
7 Distribution
8 Review
9 History
Level
Employee No.
Job Code
Notify Only
Fixed Approval
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1 HARRISJ 00671
3 SCHROCB 00671
4 BILLETM 00671
4 LEDFORW 0000000000
4 STALLIA 00671
5 FOXL 00671
6 RAMIREM 00671
BEVERLY SCHROCK
Add Group
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Delete
Cancel
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By BEVERLY, SCHROCK
On 02/18/13 14:24:46
Note
To Approver
From Approver
SPM
Comments sent to author and coordinator 2/18/13 email
Alternate
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Runtime: Document Control
PAYANEJ
Query
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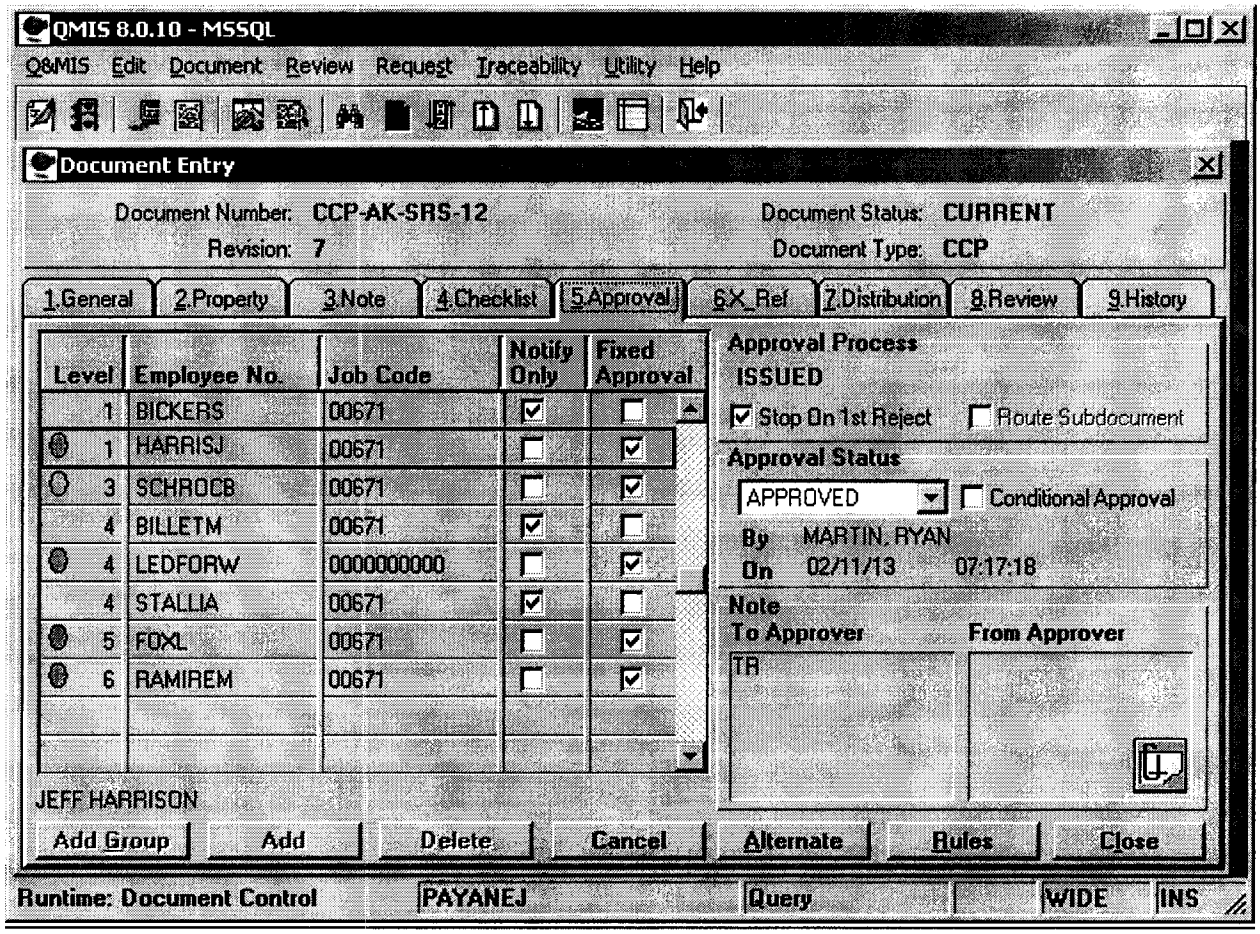
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9 History
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Employee No.
Job Code
Notify Only
Fixed Approval
1 BICKERS 00671
1 HARRISJ 00671
3 SCHROCB 00671
4 BILLETM 00671
4 LEDFORW 0000000000
4 STALLIA 00671
5 FOXL 00671
6 RAMIREM 00671
JEFF HARRISON
Approval Process
ISSUED
Stop On 1st Reject
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Approval Status
APPROVED
Conditional Approval
By MARTIN, RYAN
On 02/11/13 07:17:18
Note
To Approver
From Approver
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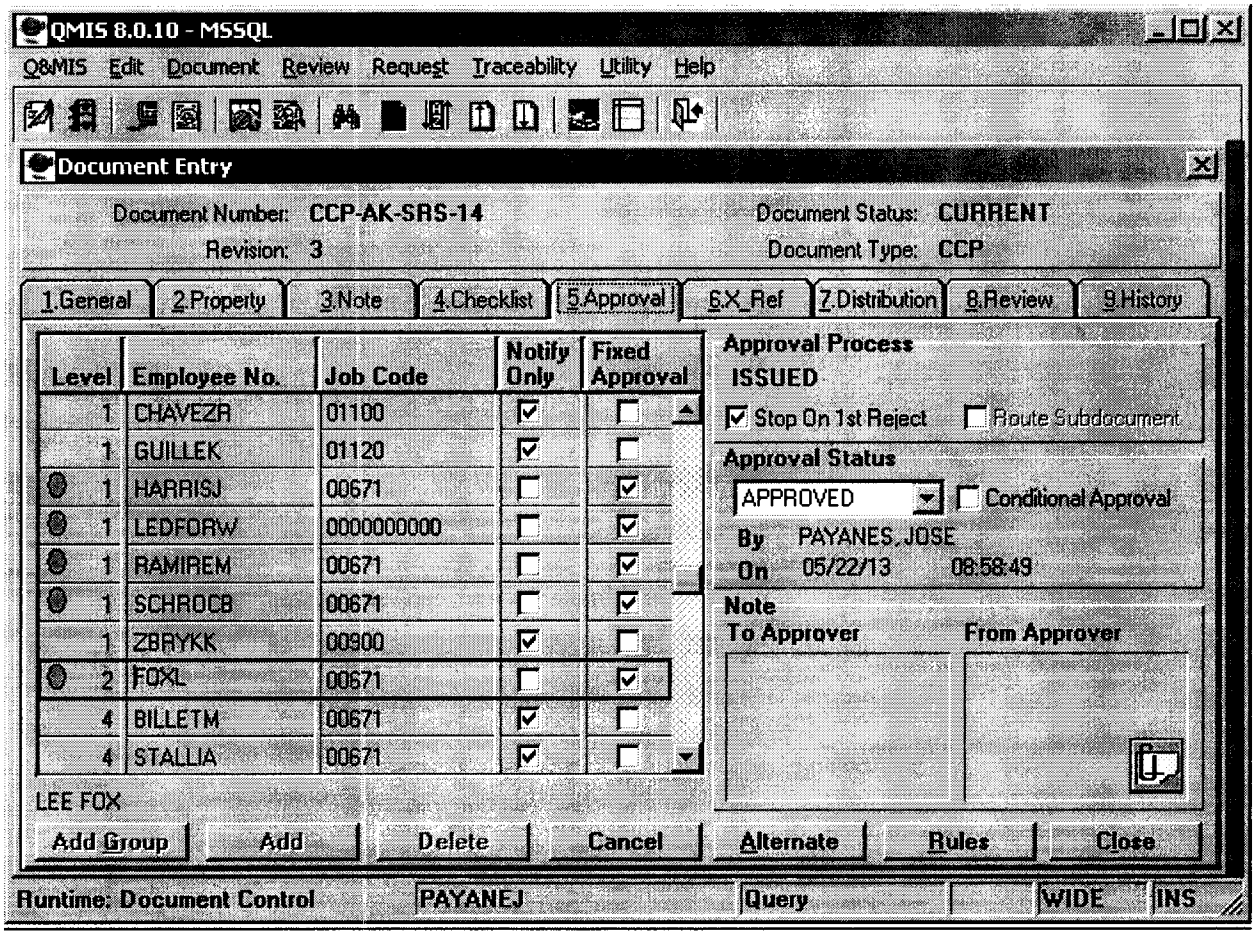
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Level Employee No. Job Code Notify Only Fixed Approval
1 CHAVEZR 01100
1 GUILLEK 01120
1 HARRISJ 00671
1 LEDFORW 0000000000
1 RAMIREM 00671
1 SCHROCB 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
LEE FOX
Add Group
Add
Delete
Cancel
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES,JOSE
On 05/22/13 08:58:49
Note
To Approver
From Approver
Alternate
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Close
Runtime: Document Control
PAYANEJ
Query
WIDE
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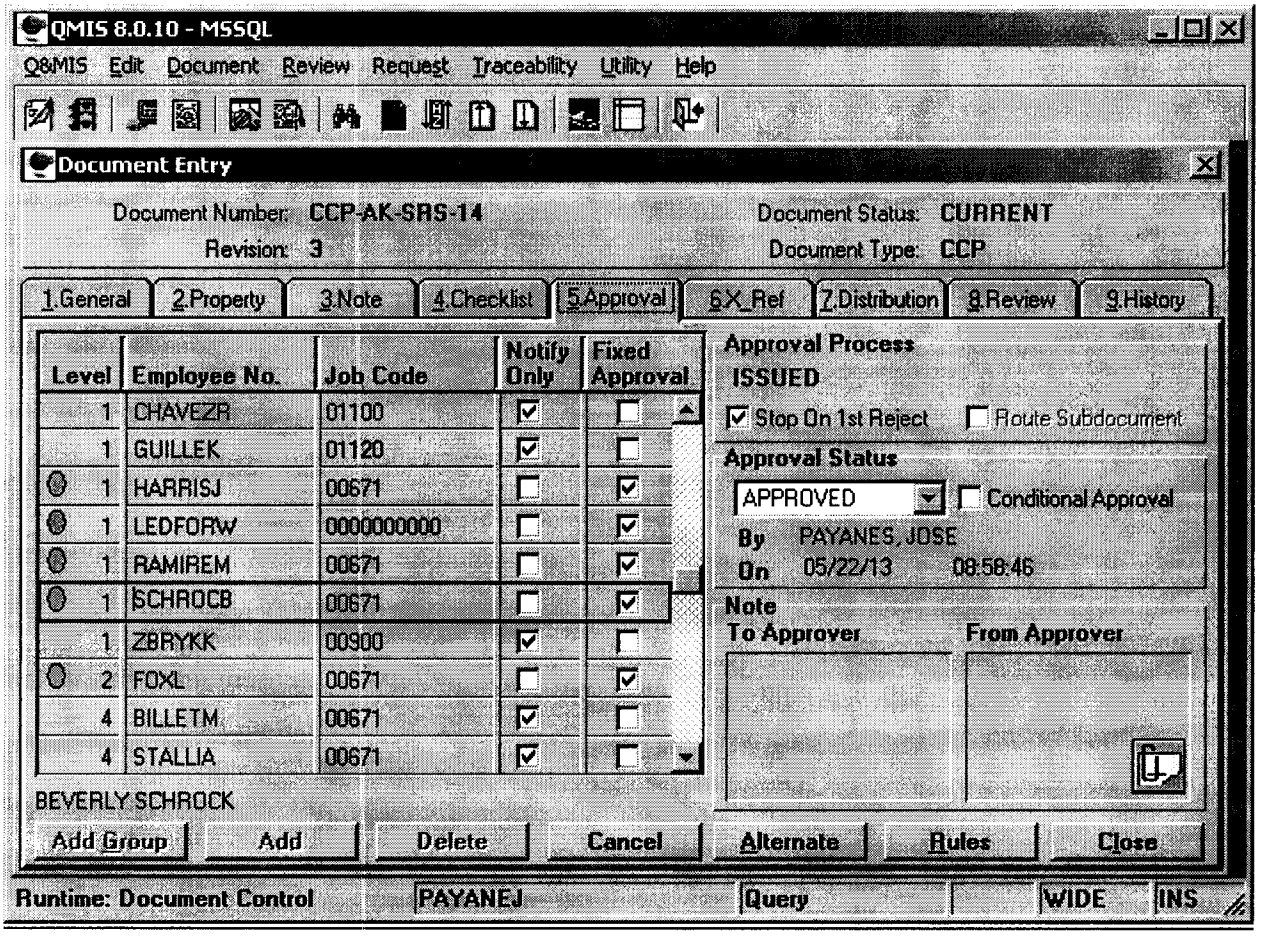
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1 HARRISJ 00671
1 LEDFORW 0000000000
1 RAMIREM 00671
1 SCHROCB 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES, JOSE
On 05/22/13 08:58:46
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To Approver
From Approver
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Runtime: Document Control
PAYANEJ
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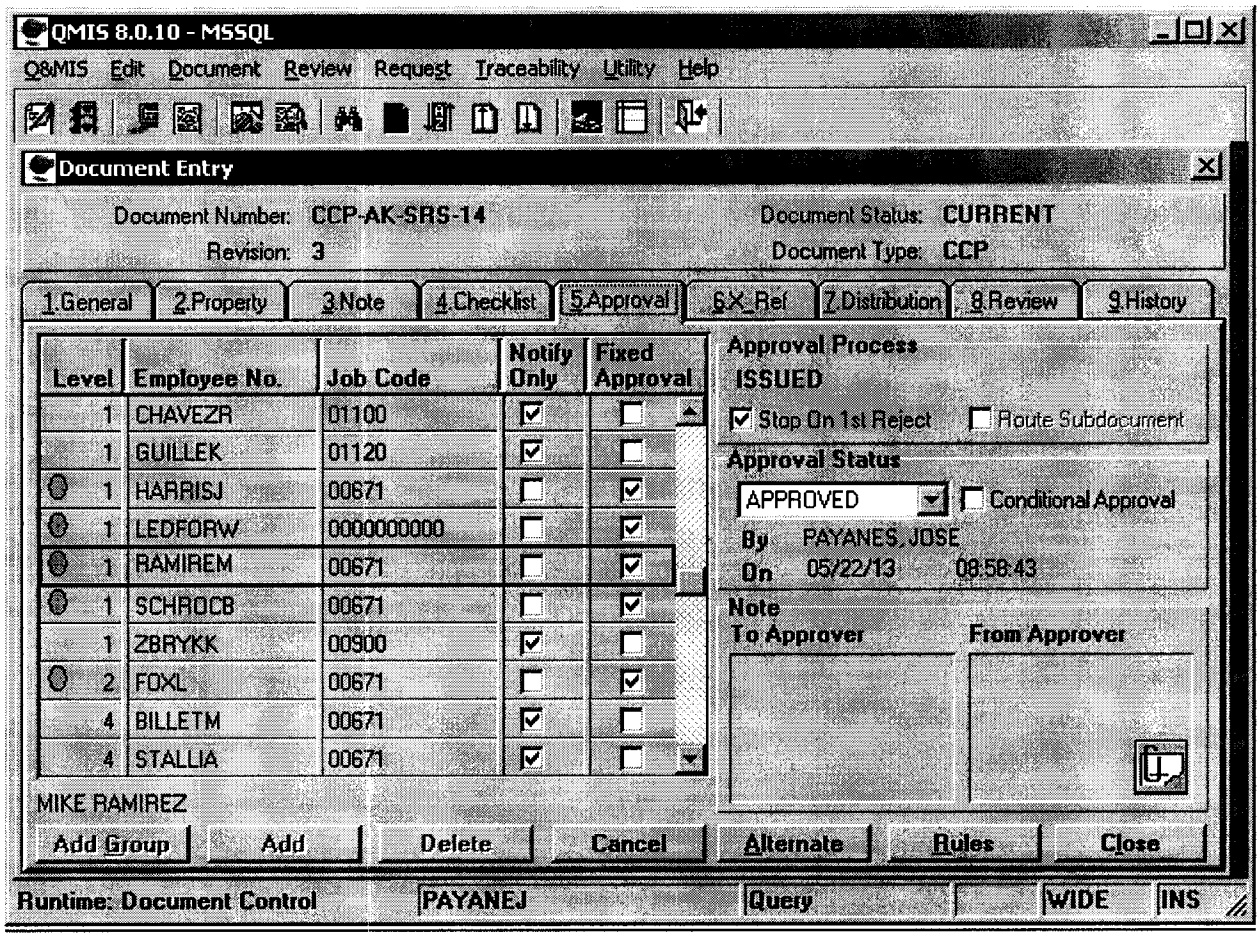
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3 Note
4 Checklist
5 Approval
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7 Distribution
8 Review
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Job Code
Notify Only
Fixed Approval
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1 ZBRYKK 00900
2 FOXL 00671
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4 STALLIA 00671
MIKE RAMIREZ
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
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By PAYANES, JOSE
On 05/22/13 08:58:43
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From Approver
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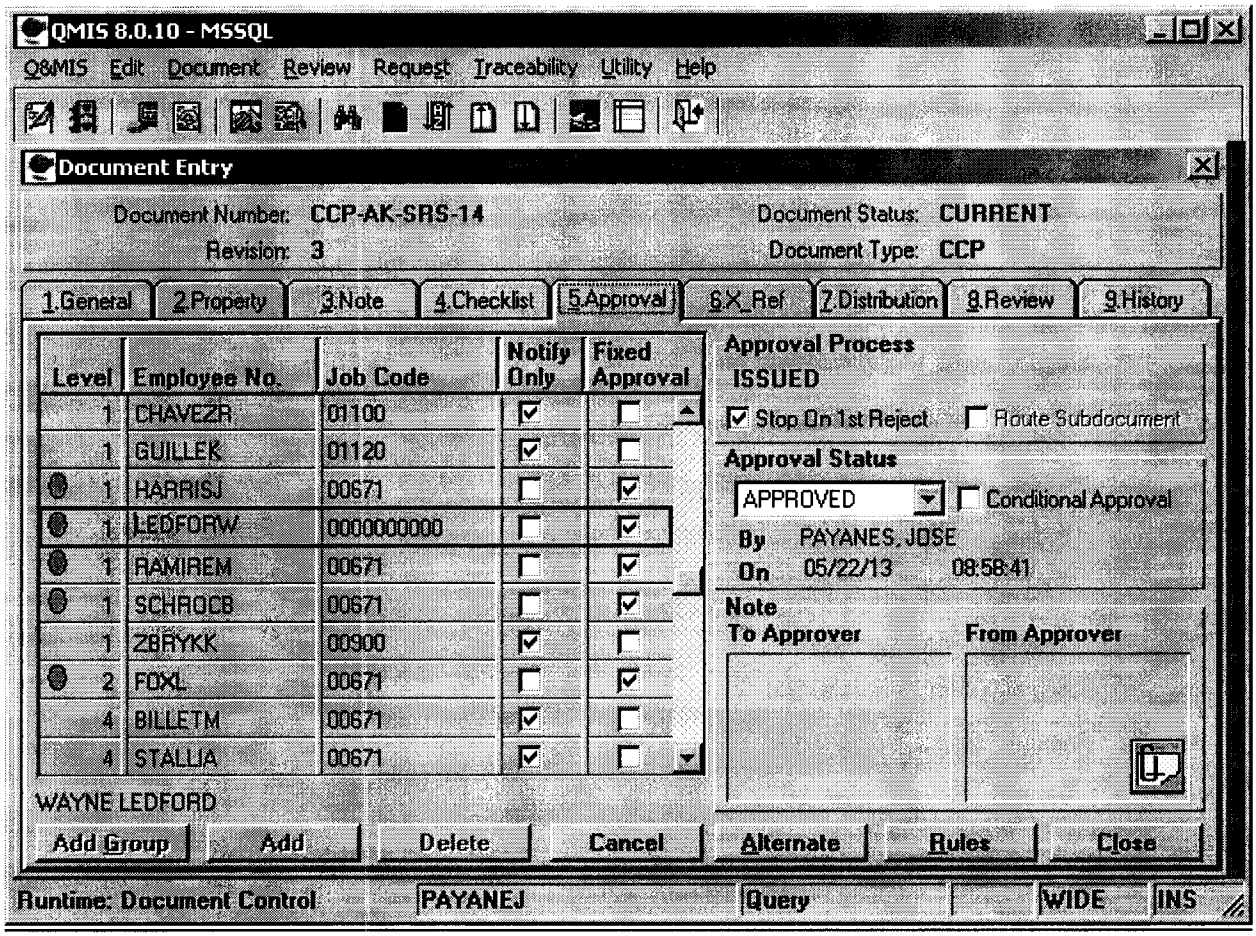
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7 Distribution
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9 History
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Employee No.
Job Code
Notify Only
Fixed Approval
1 CHAVEZR 01100
1 GUILLEK 01120
1 HARRISJ 00671
1 LEDFORW 0000000000
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2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
WAYNE LEDFORD
Add Group
Add
Delete
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Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
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APPROVED
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By PAYANES, JOSE
On 05/22/13 08:58:41
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PAYANEJ
Query
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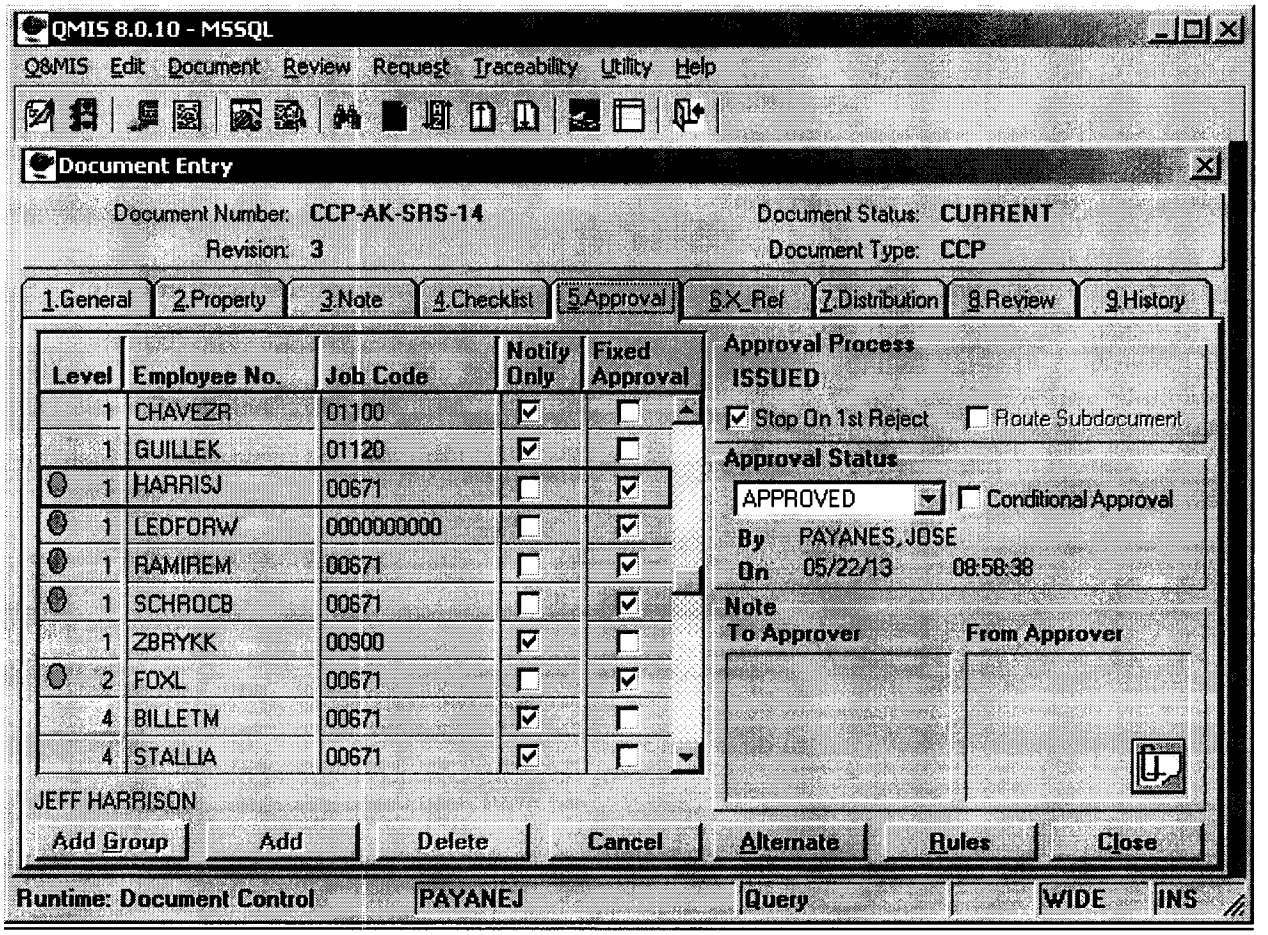
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Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES,JOSE
On 05/22/13 08:58:38
Note
To Approver
From Approver
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Runtime: Document Control
PAYANEJ
Query
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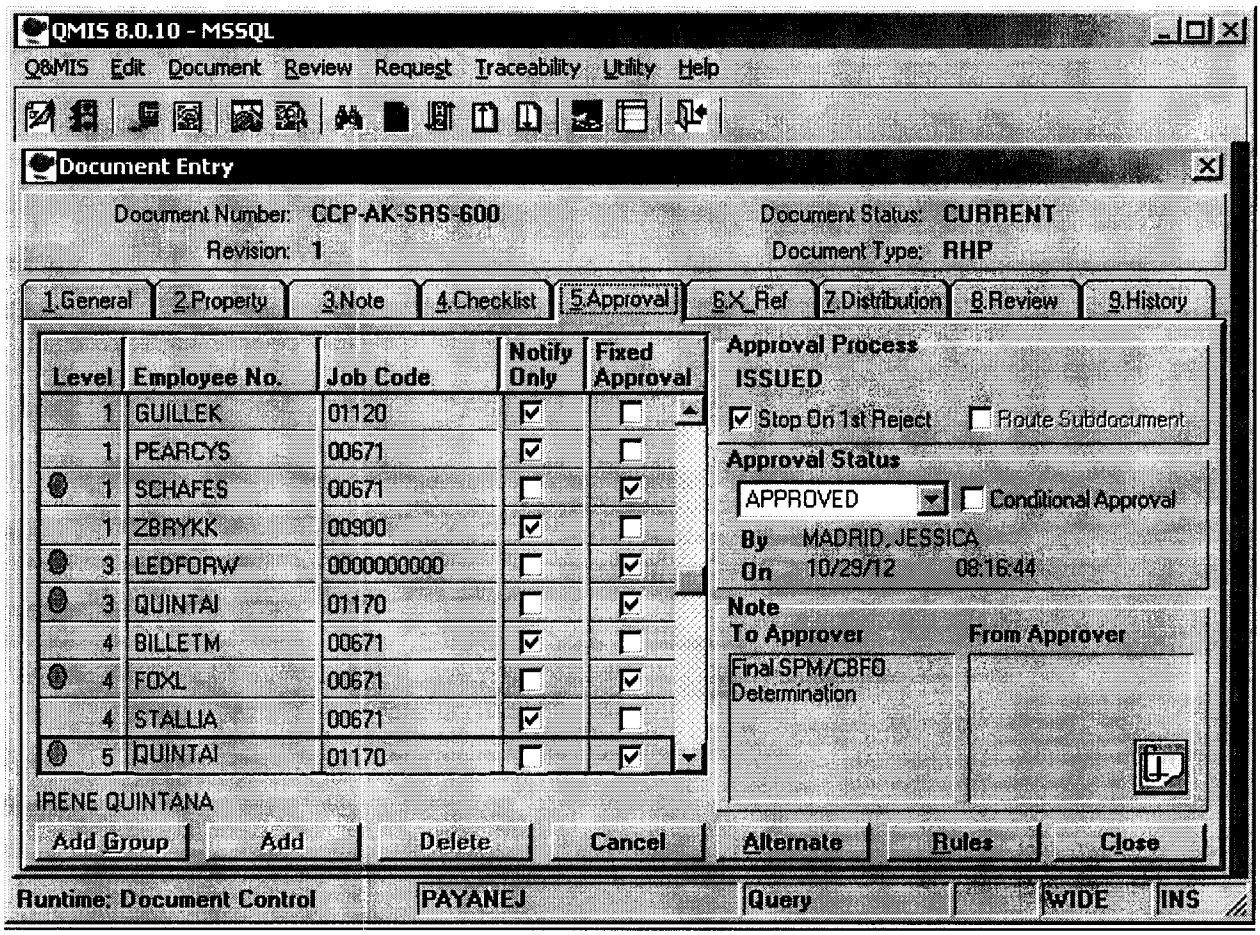
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Revision: 1
Document Status: CURRENT
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2 Property
3 Note
4 Checklist
5 Approval
6 X_Ref
7 Distribution
8 Review
9 History
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Employee No.
Job Code
Notify Only
Fixed Approval
1 GUILLEK 01120
1 PEARCYS 00671
1 SCHAFES 00671
1 ZBRYKK 00900
3 LEDFORW 0000000000
3 QUINTAI 01170
4 BILLETM 00671
4 FOXL 00671
4 STALLIA 00671
5 QUINTAI 01170
IRENE QUINTANA
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By MADRID, JESSICA
On 10/29/12 08:16:44
Note
To Approver
From Approver
Final SPM/CBFO Determination
Add Group
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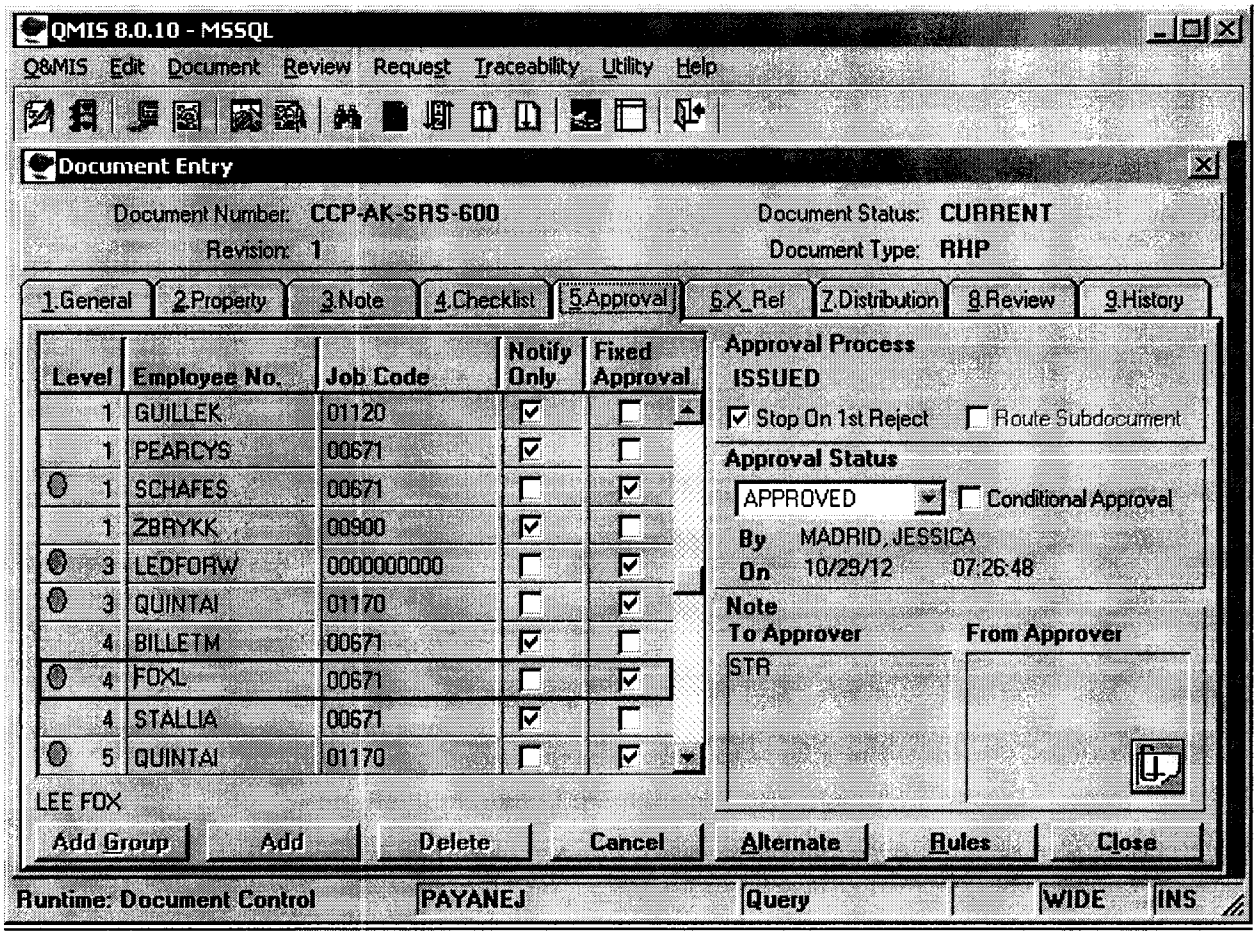
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8 Review
9 History
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Job Code
Notify Only
Fixed Approval
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1 SCHAFES 00671
1 ZBRYKK 00900
3 LEDFORW 0000000000
3 QUINTAI 01170
4 BILLETM 00671
4 FOXL 00671
4 STALLIA 00671
5 QUINTAI 01170
LEE FOX
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By MADRID, JESSICA
On 10/29/12 07:26:48
Note
To Approver
From Approver
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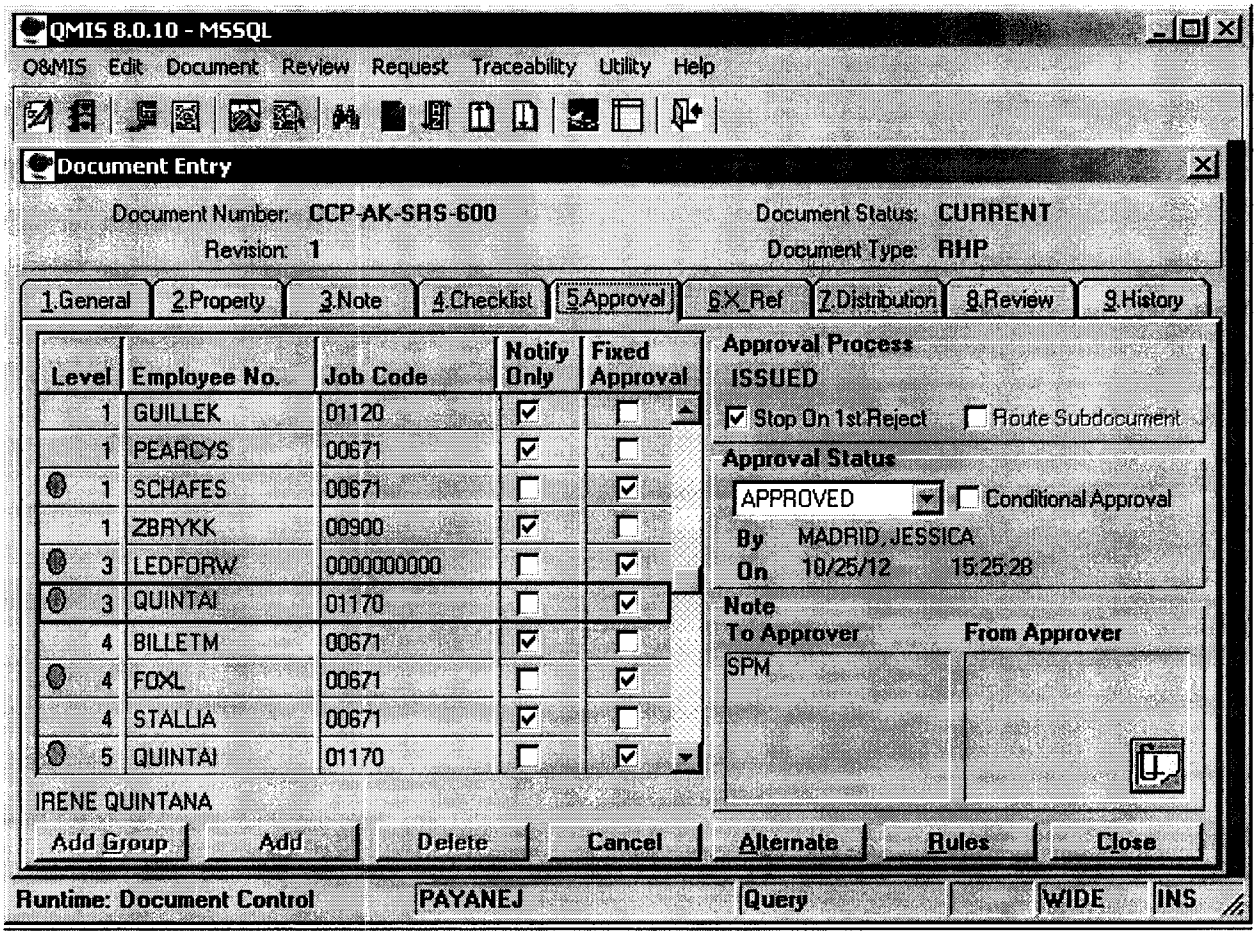
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1 PEARCYS 00671
1 SCHAFES 00671
1 ZBRYKK 00900
3 LEDFORW 0000000000
3 QUINTAI 01170
4 BILLETM 00671
4 FOXL 00671
4 STALLIA 00671
5 QUINTAI 01170
IRENE QUINTANA
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By MADRID, JESSICA
On 10/25/12 15:25:28
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From Approver
SPM
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PAYANEJ
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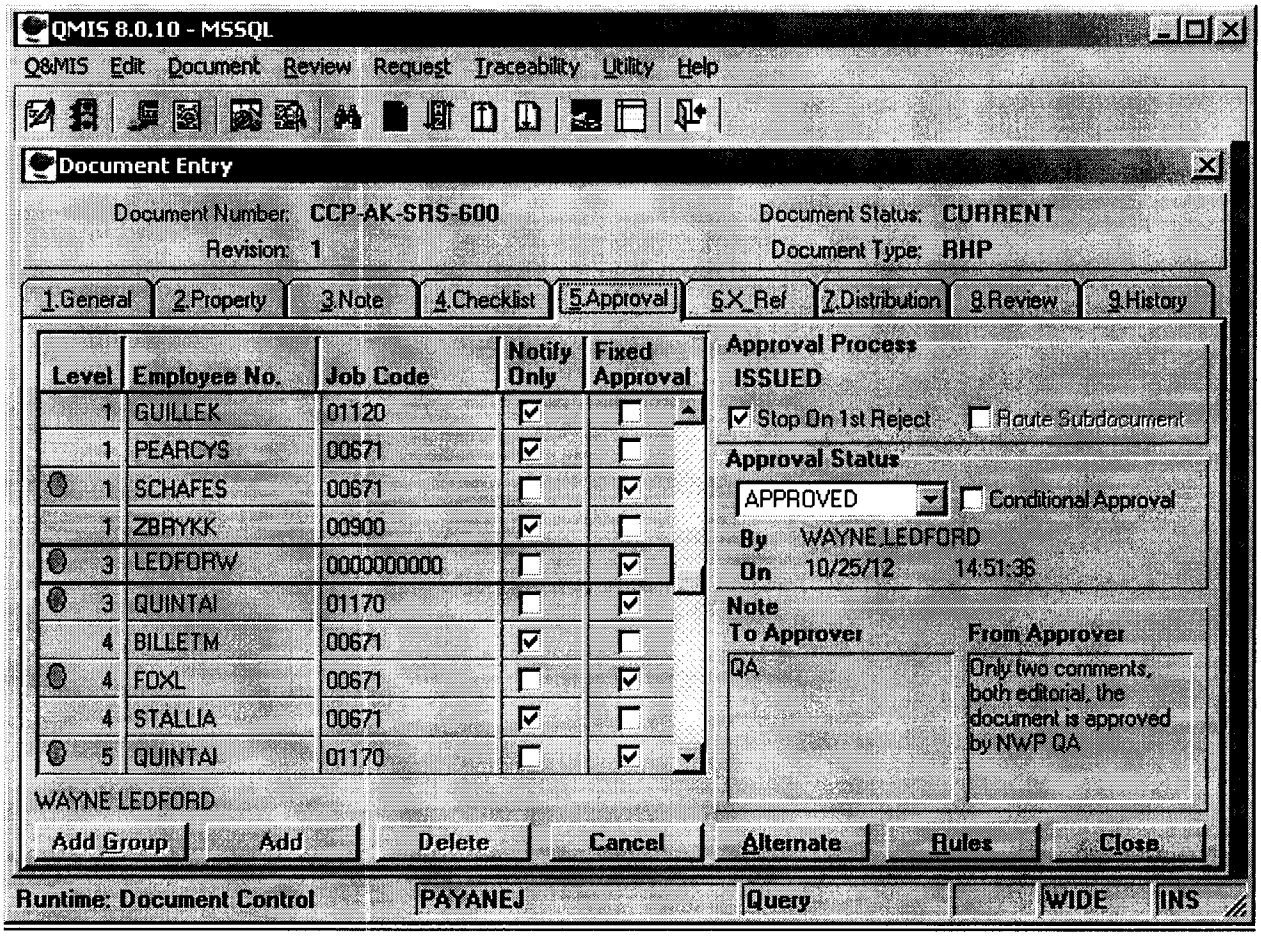
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1 SCHAFES 00671
1 ZBRYKK 00900
3 LEDFORW 0000000000
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4 FOXL 00671
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WAYNE LEDFORD
Add Group
Add
Delete
Cancel
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Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By WAYNE.LEDFORD
On 10/25/12 14:51:36
Note
To Approver
QA
From Approver
Only two comments, both editorial, the document is approved by NWP QA
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PAYANEJ
Query
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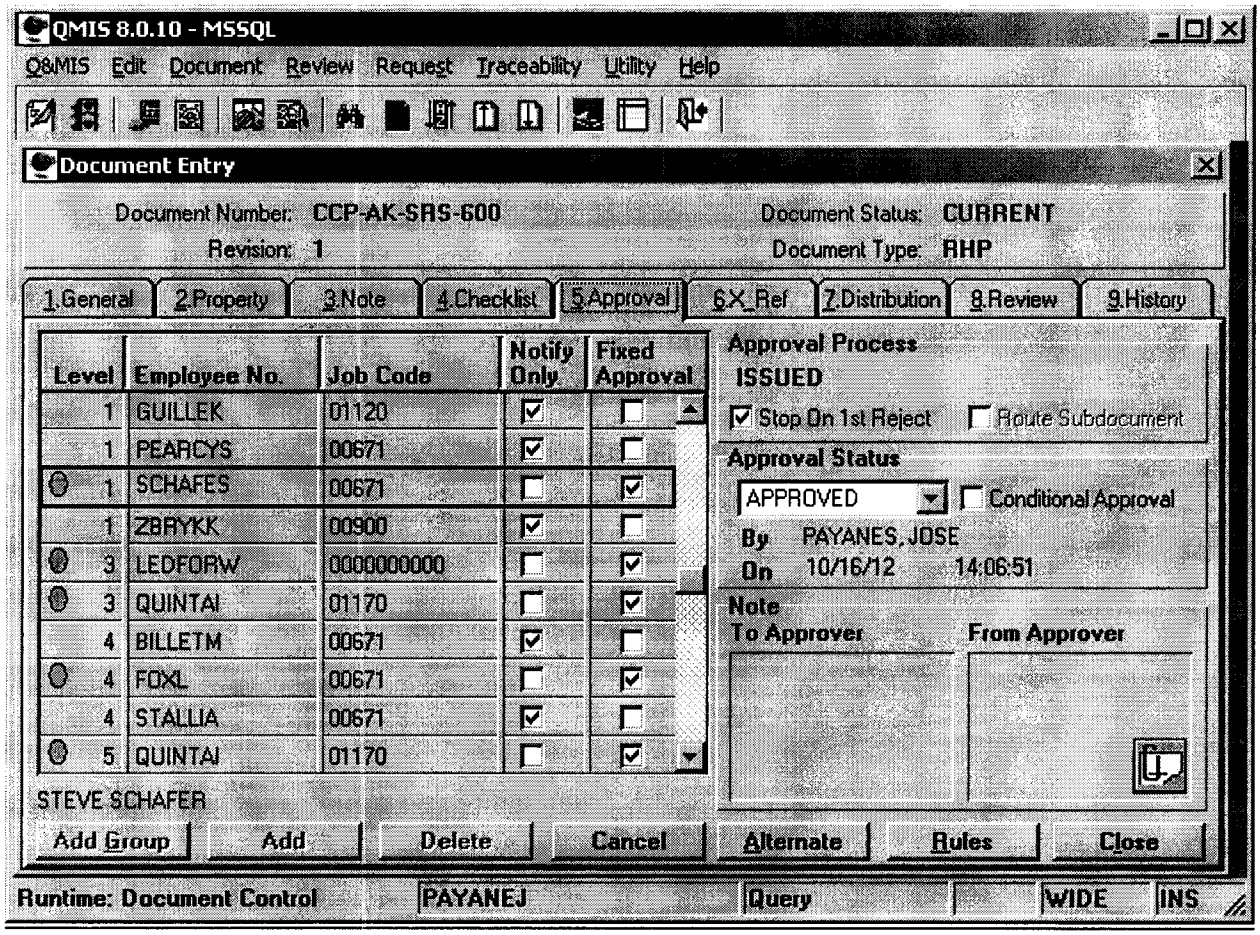
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Job Code
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By PAYANES, JOSE
On 10/16/12 14:06:51
Note
To Approver
From Approver
STEVE SCHAFER
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Runtime: Document Control
PAYANEJ
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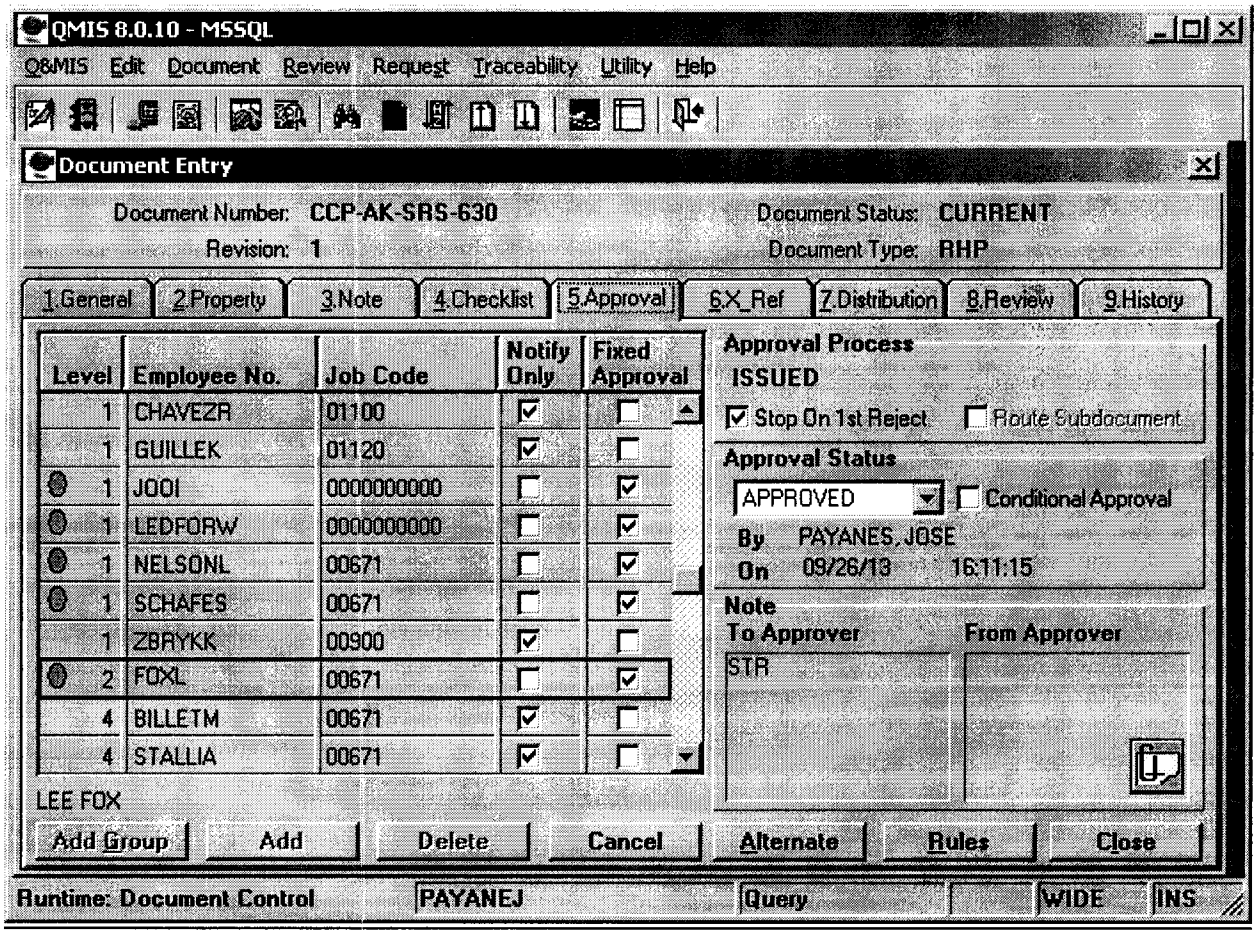
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2 Property
3 Note
4 Checklist
5 Approval
6 X_Ref
7 Distribution
8 Review
9 History
Level
Employee No.
Job Code
Notify Only
Fixed Approval
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1 GUILLEK 01120
1 JOOI 0000000000
1 LEDFORW 0000000000
1 NELSONL 00671
1 SCHAFES 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
LEE FOX
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES, JOSE
On 09/26/13 16:11:15
Note
To Approver
From Approver
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Query
WIDE
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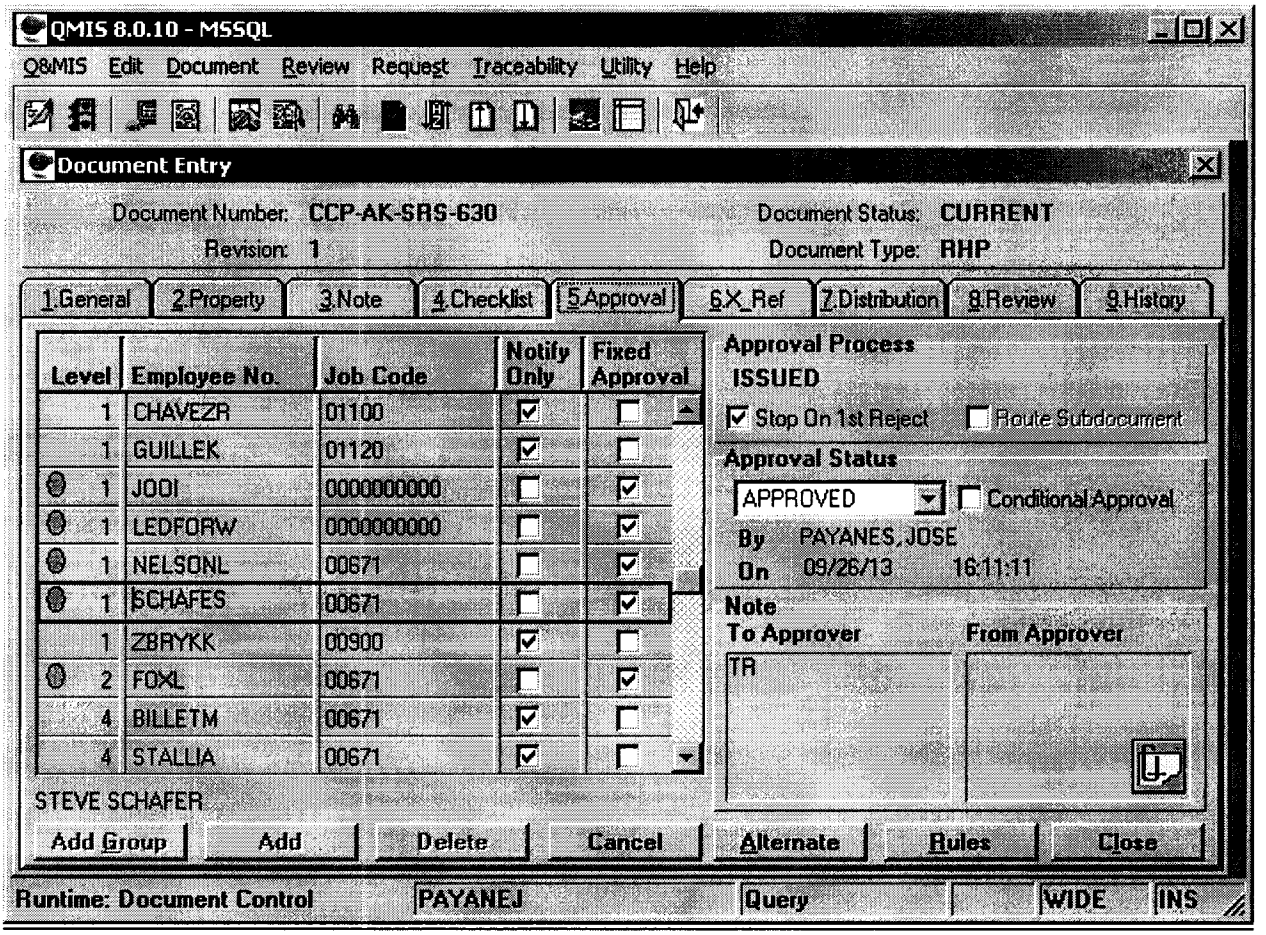
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Revision: 1
Document Status: CURRENT
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1 GUILLEK 01120
1 JOOI 0000000000
1 LEDFORW 0000000000
1 NELSONL 00671
1 SCHAFES 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES, JOSE
On 09/26/13 16:11:11
Note
To Approver
From Approver
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STEVE SCHAFER
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Runtime: Document Control
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Query
WIDE
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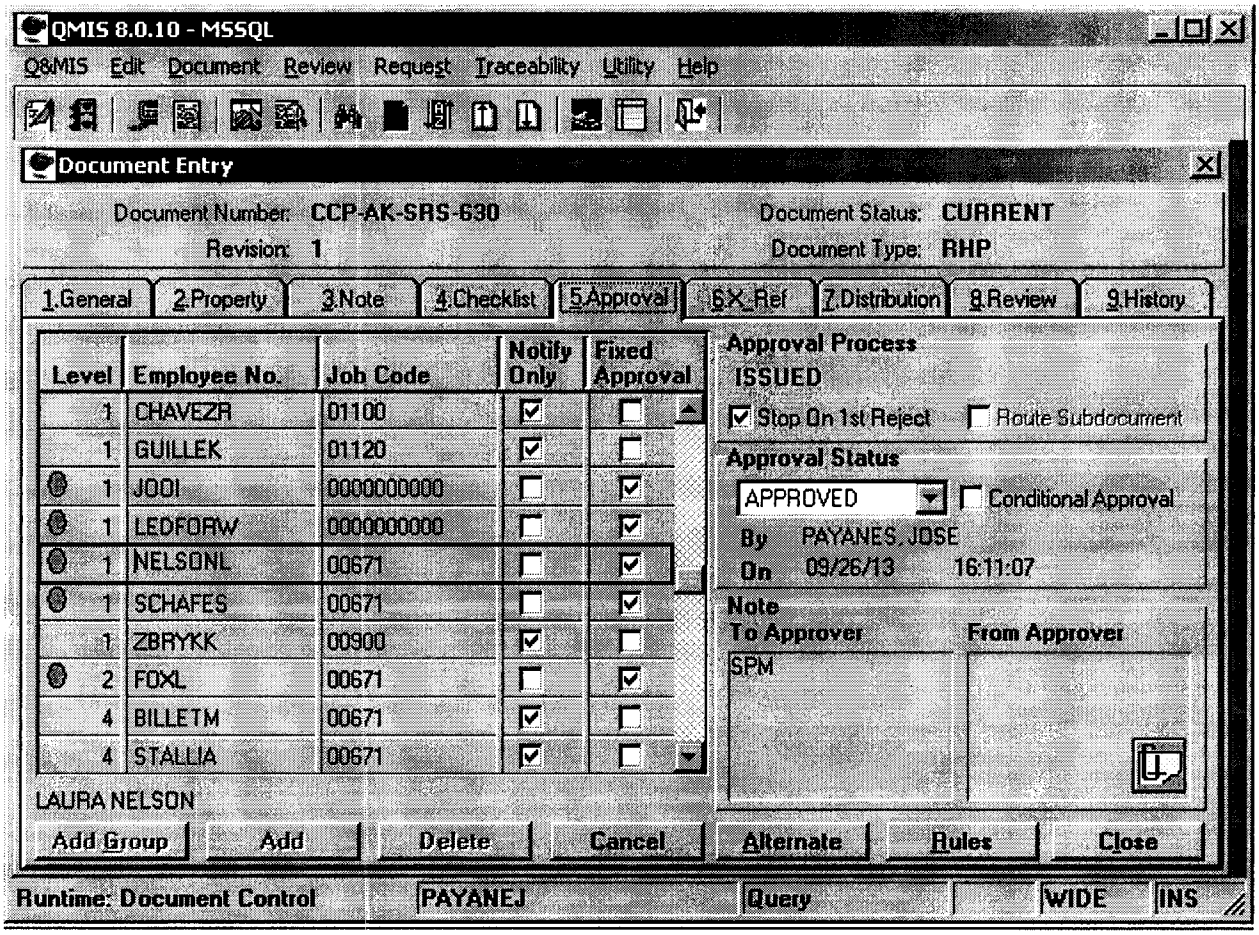
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LAURA NELSON
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By PAYANES, JOSE
On 09/26/13 16:11:07
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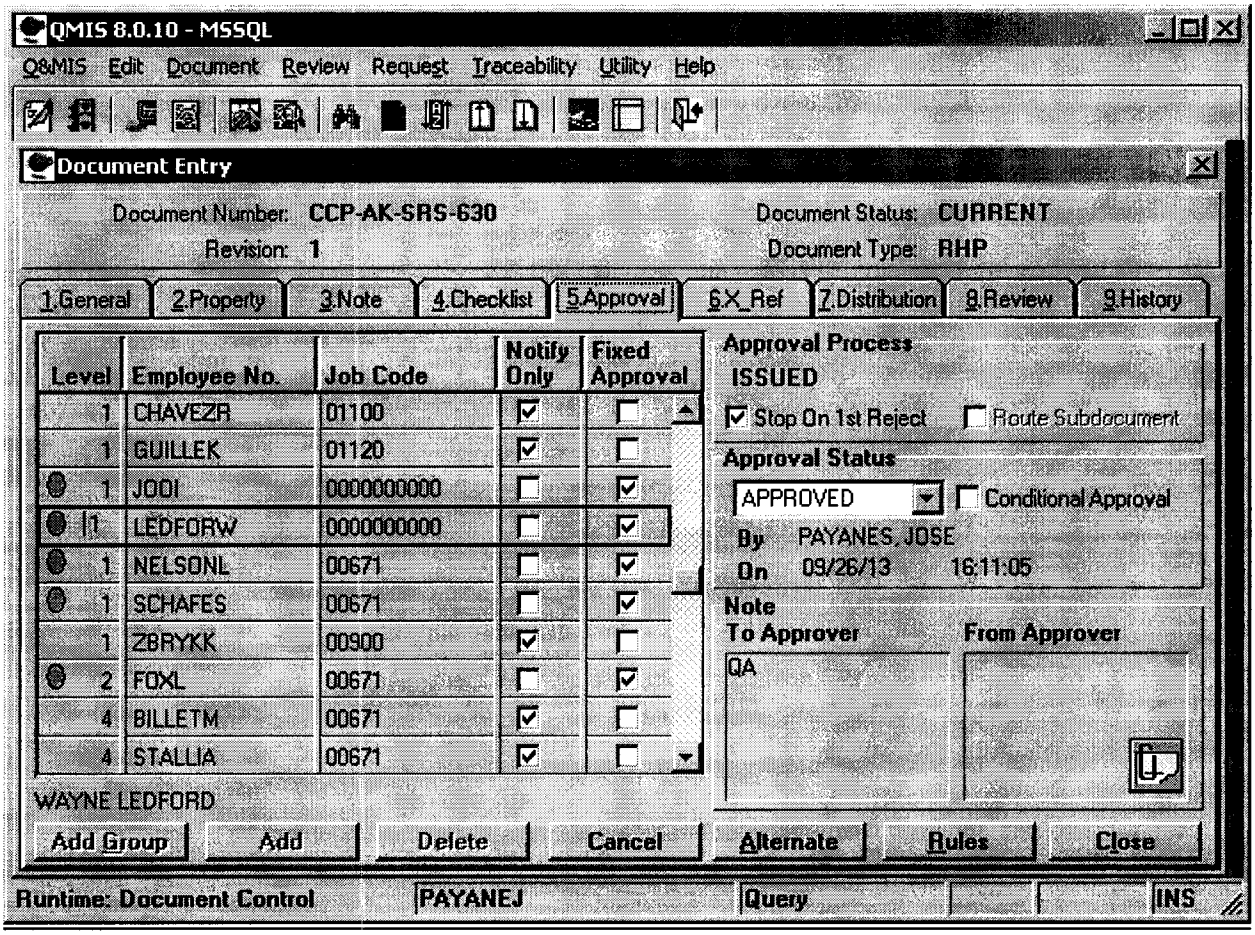
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Employee No.
Job Code
Notify Only
Fixed Approval
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1 GUILLEK 01120
1 JODI 0000000000
1 LEDFORW 0000000000
1 NELSONL 00671
1 SCHAFES 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
Approval Process
ISSUED
Stop On 1st Reject
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Approval Status
APPROVED
Conditional Approval
By PAYANES, JOSE
On 09/26/13 16:11:05
Note
To Approver
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QA
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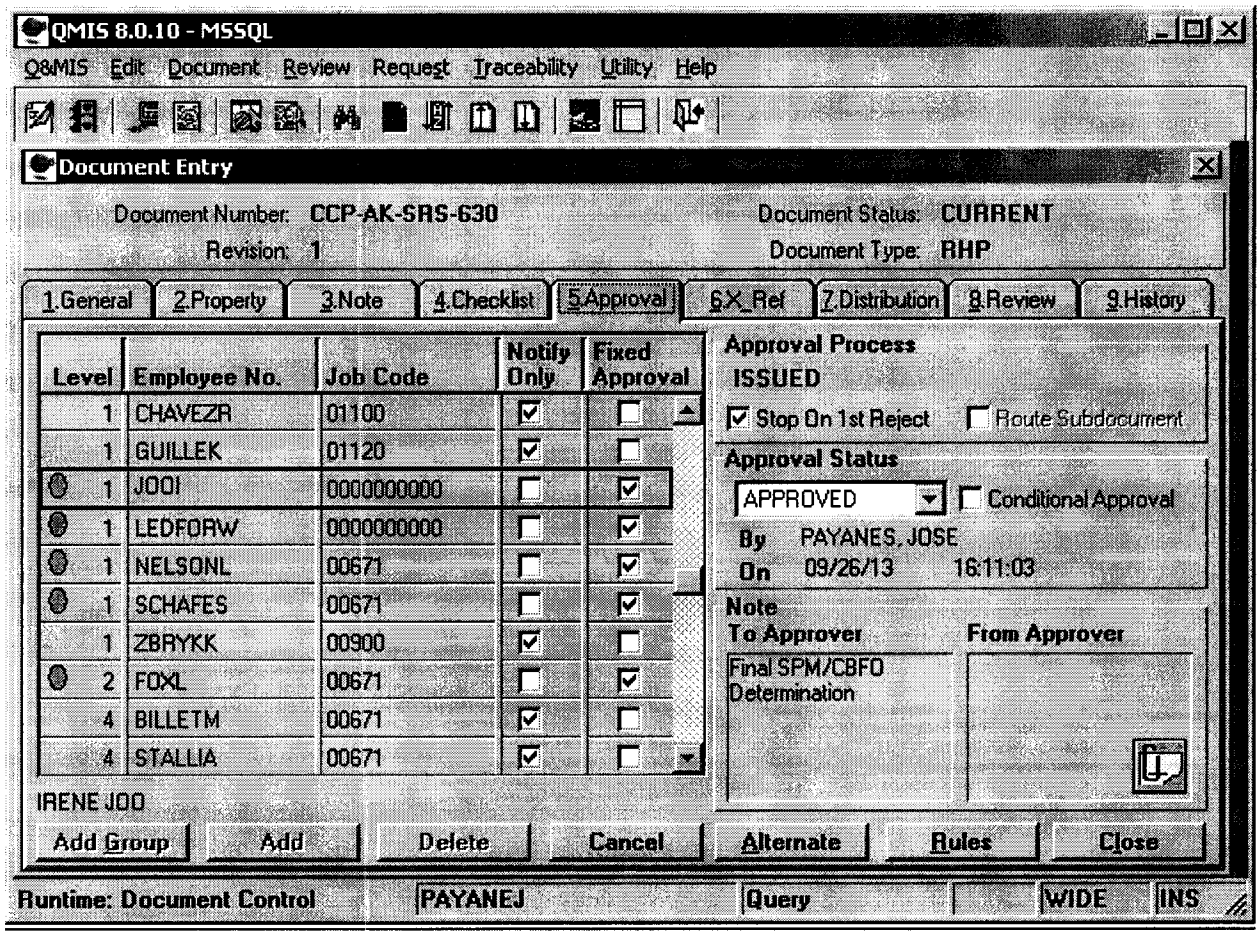
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Document Entry
Document Number: CCP-AK-SRS-630
Revision: 1
Document Status: CURRENT
Document Type: RHP
1.General 2.Property 3.Note 4.Checklist 5.Approval 6.X_Ref 7.Distribution 8.Review 9.History
Level Employee No. Job Code Notify Only Fixed Approval
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1 GUILLEK 01120
1 JOOI 0000000000
1 LEDFORW 0000000000
1 NELSONL 00671
1 SCHAFES 00671
1 ZBRYKK 00900
2 FOXL 00671
4 BILLETM 00671
4 STALLIA 00671
IRENE JOO
Approval Process
ISSUED
Stop On 1st Reject
Route Subdocument
Approval Status
APPROVED
Conditional Approval
By PAYANES, JOSE
On 09/26/13 16:11:03
Note
To Approver
Final SPM/CBFO Determination
From Approver
Add Group
Add
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Cancel
Alternate
Rules
Close
Runtime: Document Control
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AK7

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01376
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: August 15, 2013

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-SWMF-HET-B

Please accept the attached Savannah River site Waste Stream Profile Form SR-SWMF-HET-B to be placed in records for Waste Stream # SR-SWMF-HET-B.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

NTPC RECORDS ORIGINAL
DATE REC'D 8/21/13

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-SWMF-HET-B								
(2) Generator site name: Savannah River Site							(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock							(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012								
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012								
(8) Did your facility generate this waste?	YES	X	NO					
(9) If no, provide the name and EPA ID of the original generator: NA								
Waste Stream Information								
(10) WIPP ID: SR-SWMF-HET-B							(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste							(13) Waste Stream Name: Contaminated Clean-Up Debris from the Solid Waste Management Facility	
(14) Description from the ATWIR: Solid Waste Management Facility debris resulting from spill cleanup activities.								
(15) Defense TRU Waste:	YES	X	NO					
(16) Check One:	CH	X	RH					
(17) Number of SWBs: NA (17a) Number of SLB2: NA	(18) Number of Drums: 6 55-gallon drums						(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.								
(21) List applicable EPA Hazardous Waste Numbers: D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005 and U133								
(22) Applicable TRUCON Content Numbers: SR 125 / SR 225, SQ 154								
(23)**Acceptable Knowledge Information**								
(For the following, enter the supporting documentation used [i.e., references and dates])								
Required Program Information								
(23A) Map of site: CCP-AK-SRS-12, Revision 7, April 16, 2013, Figures 1 and 2								
(23B) Facility mission description: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.1.3								
(23C) Description of operations that generate waste: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.3								
(23D) Waste identification/categorization schemes: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.5								
(23E) Types and quantities of waste generated: CCP-AK-SRS-12, Revision 7, April 16, 2013, 2012, Section 4.7								
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 4.6.2								
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012								
(25) Required Waste Stream Information								
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.1								
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.2								

(25C) Waste generating process description for each building: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.3			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-12, Revision 7, April 16, 2013, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-SWMF-HET-B Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology		Defense research and development
X	Defense nuclear waste and material by-products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) Supplemental Documentation:			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P003, P007, P019, P025, P030, P038, P039 and P045 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27C) Safety Analysis Reports: See D001, D003, D004, D005 and D018 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27D) Waste packaging logs: See M022 and M029 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27E) Test plans/research project reports: NA			
(27F) Site databases: See M025 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27G) Information from site personnel: See C054, C072 and C078 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C068, C078, D020, DR005, P048, P049 and P050 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27J) Material safety data sheets: See C006 in Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B, Source Documents			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 4/30/2013

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 4/30/2013

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date
Mike Ramirez for B. Schrock	Beverly Schrock	8/2/2013

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-SWMF-HET-B

Lot #: 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

CCP Headspace Gas UCL_{90} Evaluation Form..... 004

Headspace Gas Summary Data..... 006

RTR/VE Summary of Prohibited Items and AK Confirmation..... 007

Reconciliation with Data Quality Objectives..... 008

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Characterization Information Summary Cover Page

Waste Stream # SR-SWMF-HET-B Lot #. 1

AK Expert Review N/A Date N/A

SPM Review: Joshua Houghton Date: 6/27/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-011	Rev. 16	05/02/05	CCP Radiography Inspection Operating Procedure
CCP-TP-011	Rev. 17	11/16/06	CCP Radiography Inspection Operating Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/29/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Headspace Gas Sampling and Analysis (HSG):

CCP-TP-093	Rev. 16	09/07/11	CCP Sampling of TRU Waste Containers
CCP-TP-093	Rev. 17	11/20/12	CCP Sampling of TRU Waste Containers
CCP-TP-106	Rev. 7	12/29/10	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-106	Rev. 8	02/04/13	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-175	Rev. 3	09/02/11	CCP Analysis of Gas Samples for VOCs by GC/MS
CCP-TP-175	Rev. 2	12/29/10	CCP Analysis of Gas Samples for VOCs by GC/MS

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	04/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/25/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/06/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 17	06/22/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

EIS-002

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and Reporting Characterization Data

Waste Stream # SR-SWMF-HET-B Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR108180	SRLBC0706	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR607474	SRLBC0900	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1302	ECL13002M	N/A
SR607480	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607482	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607486	SRLBC0861	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR79150*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79177*	SRLBC0706	SR4RTR0257	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79178*	SRLBC0707	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79179*	SRLBC0763	SRSRTR0577	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79182*	SRLBC0689	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92624*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92625*	SRLBC0689	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A

*These containers were found to be low level waste when assayed and are no longer active in this waste stream. The HSG data is still valid for RCRA hazardous waste code determination and are included in the UCL90 calculations. They are kept on the Cross Correlation for completeness

CIS-003

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SWMF-HET-B **Waste Stream Headspace Gas Lot** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
Acetone	Log	12	12	4.79	1.64	2.02	2.43	100.00	4.61		
Benzene	Log	5	12	1.56	-1.10	1.45	-0.52	10.00	2.30		
Bromoform	Log	0	12	0.22	-3.17	1.58	-2.55	10.00	2.30		
Butanol	Log	6	12	2.12	-0.47	2.06	0.34	100.00	4.61		
Carbon Disulfide[e]	SQRT	1	11	0.95	0.46	0.27	0.57	10.00	3.16		
Carbon Tetrachloride	Log	0	12	0.85	-2.53	1.58	-1.91	10.00	2.30		
Chlorobenzene	Log	0	12	1.19	-2.23	1.61	-1.59	10.00	2.30		
Chloroform	Log	0	12	1.13	-2.23	1.56	-1.62	10.00	2.30		
Chloromethane[e]	SQRT	0	11	0.97	0.47	0.28	0.59	10.00	3.16		
Cyclohexane[a]	Log	3	12	1.49	-1.46	1.48	-0.88	10.00	2.30		
1,1-Dichloroethane	Log	0	12	1.41	-1.97	1.59	-1.35	10.00	2.30		
1,2-Dichloroethane	Log	0	12	1.42	-1.98	1.60	-1.35	10.00	2.30		
1,1-Dichloroethylene	Log	0	12	1.48	-1.94	1.62	-1.30	10.00	2.30		
cis-1,2-Dichloroethylene[a]	Log	0	12	1.56	-1.89	1.64	-1.24	10.00	2.30		
trans-1,2-Dichloroethylene	Log	0	12	1.49	-1.93	1.63	-1.29	10.00	2.30		
1,2-Dichloropropane[e]	Log	0	12	1.25	-2.16	1.61	-1.53	10.00	2.30		
Ethyl benzene	Log	6	12	5.01	-0.31	3.53	1.08	10.00	2.30		
Ethyl Ether	SQRT	0	11	0.92	0.43	0.27	0.54	10.00	3.16		
Methanol	Log	6	12	5.48	0.68	1.91	1.43	100.00	4.61		
Methyl Ethyl Ketone	Log	1	12	1.70	-1.64	1.56	-1.03	100.00	4.61		
Methyl Isobutyl Ketone	Log	1	12	1.35	-1.98	1.56	-1.36	100.00	4.61		
Methylene Chloride	Log	0	12	1.61	-1.80	1.62	-1.16	10.00	2.30		
1,1,2,2-Tetrachloroethane	Log	0	12	0.83	-2.60	1.62	-1.96	10.00	2.30		
Tetrachloroethylene	Log	1	12	1.05	-2.35	1.62	-1.71	10.00	2.30		
Toluene	Log	8	12	3.04	-0.04	2.00	0.74	10.00	2.30		
1,1,1-Trichloroethane	Log	1	12	0.94	-2.04	1.74	-1.35	10.00	2.30		
Trichloroethylene	Log	4	12	1.10	-1.94	1.68	-1.28	10.00	2.30		
Trichlorofluoromethane[e]	Log	0	12	1.06	-2.33	1.59	-1.70	10.00	2.30		

CES-004

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Headspace Gas UCL_{90} Evaluation Form

WSPF #: SR-SWMF-HET-B

Waste Stream Headspace Gas Lot 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	12	0.77	-2.62	1.58	-2.00	10.00	2.30		
1,3,5-Trimethylbenzene[a]	Log	0	12	1.03	-2.36	1.59	-1.73	10.00	2.30		
1,2,4-Trimethylbenzene[a]	Log	0	12	1.10	-2.33	1.62	-1.69	10.00	2.30		
m/p-Xylene[b]	Log	8	12	6.38	0.70	4.18	2.34	10.00	2.30	Yes	(2)
o-Xylene	SQRT	8	12	13.42	3.54	4.20	5.19	10.00	3.16	Yes	(2)
Formaldehyde[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hydrazine[d]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

[a] These compounds are from CCP-PO-003, CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC) and are flammable VOCs that do not appear in CCP-PO-001. These are not part of the target analyte list, but samples may be analyzed for these compounds.

[b] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

[c] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[d] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[e] The noted analytes are not included in the target analyte list Table C3-2 of HWFP Attachment C3. The analytes are reported in the analysis Batch Data Report provided by the Idaho lab and included on the UCL90 for completeness.

C15-005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Per AK - Several F003-listed solvents were identified in the facilities where the spills originated. However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

(3) Due to dilution requirements, 1 of the 12 samples for Carbon Disulfide, Chloromethane, and Ethyl Ether were reported as non detected with an MDL value in excess of the PRQL. In accordance with the Waste Analysis Plan, Section C4-3e such observations with elevated MDL values due to dilution were not used in calculating the mean concentration. Consequently, the subject analytes were evaluated with 11, rather than 12, usable observations.

Note:

This UCL_{90} page was generated in compliance with CCP-TP-003. Although the the Facility Permit no longer requires Headspace Gas sampling and analysis, the reporting of the results is required by our procedures.

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CCP Headspace Gas Summary Data

Waste Stream # SR-SWMF-HET-B Lot Number (s) 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
2-Ethoxyethanol	510.00	6.00	50.00%
2-Nitropropane	14.00	1.00	8.33%
1,4-Dioxane	0.50	1.00	8.33%

Note - 2-Ethoxyethanol was present in over 25% of the samples. 2-Ethoxyethanol will be added to the target analyte list for any additional containers that require sampling from this waste stream. 2-Ethoxyethanol carries a Hazardous Waste Number (HWN) of F005. Per SRS-12-DR006, HWN F005 was not added to this constituent due to all containers with detectable concentrations of 2-Ethoxyethanol have been removed from the waste stream.

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes [✓] No [ ]

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 6/27/2013

CIS-006

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Sampling Completeness:

NDE

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

HSG (Random Sampling Lot 1)

Number of Valid Samples: 12 Number of Total Samples Collected: 12
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is ≥90%)

Total VOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total SVOC

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total Metals

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

CFS-008

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003 Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 5, and additional EPA HW Numbers were assigned as required. Samples were randomly collected.
7c	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	Y	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	Y	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	Y	Y	Y
Solids Sampling	NA	NA	NA
Solids VOCs	NA	NA	NA
Solids SVOCs	NA	NA	NA
Solids Metals	NA	NA	NA

Signature of Site Project Manager | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CIS-010

Summation of Aspects of AK Summary Report: Waste Stream SR-SWMF-HET-B

Overview

Waste stream SR-SWMF-HET-B is comprised of job control waste including bag filters from solvent tank closure and concrete from cleanup and remediation of spills in and around the burial grounds associated with Pad 2 at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads. Specific items in this waste stream may include job control waste (e.g., rags, plastic and wood from a containment hut), concrete, bag filters, and waste from a 100 ton low-boy trailer. Source documents state that about 10 square feet of the metal side and support beams and six wooden boards of the low-boy trailer being used to transport a box were contaminated. It is assumed the debris containers in waste stream SR-SWMF-HET-B also contain this contaminated waste. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).The mission of the Solid Waste Management Facility (SWMF) is to provide treatment, storage, and disposal of radioactive wastes generated as a result of the production of nuclear materials for United States Defense Programs and as a result of environmental remediation and regulatory compliance operations conducted at the Savannah River Site (SRS), Mound in Miamisburg, Ohio, and Allied-General Nuclear Services in Barnwell, South Carolina. The specific mission of the Transuranic (TRU) Waste Visual Examination Facility/Mixed Waste Processing Facility (TVEF/MWPF), the Modular Repackaging System (MRS)/Modular Repackaging Unit (MORK), and the F-Area Repackaging Enclosures is to visually examine the contents of selected TRU waste drums and the removal of prohibited items for the purpose of supporting the shipment of TRU waste to the Waste Isolation Pilot Plant (WIPP).

The WIPP-WAC requires generator sites to use AK to determine if the TRU waste streams to be disposed at WIPP meet the definition of TRU "defense" waste. Based on guidance from the U.S. Department of Energy (DOE), a TRU waste is eligible for disposal at WIPP if it has been generated in whole or part by one of the atomic energy defense activities listed in Section 10101(3) of the Nuclear Waste Policy Act of 1982 (NWPA). The TVEF/MWPF, MORK, and F-Area Repackaging Enclosures visually examine and remove prohibited items from TRU waste that originated in other SRS facilities, as well as off-site facilities that produced defense TRU waste. Similar to waste stream SR-SWMF-HET-A, the waste in wastes stream SR-SWMF-HET-B resulted from the spill cleanup and remediation of leaking containers of defense-related TRU waste that originated in other SRS facilities and closure of the solvent storage tanks. Therefore, the atomic energy defense activity that applies to waste stream SR-SWMF-HET-B is "defense nuclear waste and materials by-products management" This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-SWMF-HET-B for contaminated debris from the SWMF. The primary source of information for this Summation is CCP-AK-SRS-12, *Central Characterization Program Acceptable Knowledge Summary Report for Savannah River Site Solid Waste Management Facility, Waste Streams: SR-SWMF-HET-A, SR-SWMF-HET-B,* Revision 7, April 16, 2013.

Waste Stream Identification Summary

Waste Stream Name:	Contaminated Clean-Up Debris from the Solid Waste Management Facility
Waste Stream Number:	SR-SWMF-HET-B

Dates of Waste Generation:	August 1976 to December 1995
Waste Stream Volume – Current:	6 55-gallon drums
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S5000
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400, Heterogeneous Debris
TRUPACT-II Content Code:	SR 125 / 225, SQ 154
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number:	SR-SWMF-HET-B

Waste Stream Description and Physical Form:

The waste in waste stream SR-SWMF-HET-B resulted from activities conducted at the SWMF (such as solvent tank closure), and the cleanup and remediation of leaking containers at the SWMF TRU Pad 2 in the Old Burial Ground (Building 643G) which is now known as the E-Area of the SRS SWMF. Debris waste items in this waste stream may include filters, concrete, metal siding and support beams, plastic and wood from a containment hut, rags, and wood boards. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. One waste stream (SR-SWMF-HET-B) has been delineated for TRU debris waste generated at the SWMF during spill cleanup and remediation.

Point of Generation

Location

Waste stream SR-SWMF-HET-B was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area TRU waste storage pads.

Area and/or Buildings of Generation

Waste stream SR-SWMF-HET-B is comprised of job control waste including bag filters from solvent tank closure and concrete from cleanup and remediation of spills in and around the burial grounds associated with Pad 2. Specific items in this waste stream may include job control waste (e.g., rags, plastic and wood from a containment hut), concrete, and waste from a 100 ton low-boy trailer. Source documents state that about 10 square feet of the metal side and support beams and six wooden boards of the low-boy trailer being used to transport a box were contaminated. It is assumed the debris containers in waste stream SR-SWMF-HET-B also

contain this contaminated waste. Small amounts of contaminated soil and absorbed liquid may also be present (References C057, C058, C059, C063, C077, M022, M029, P018, P019, P020, P022, P025, and P026).

Generating Processes

Description of Waste Generation Processes

The waste in waste stream SR-SWMF-HET-B resulted from activities conducted at the SWMF (such as solvent tank closure), and the cleanup and remediation of leaking containers at the SWMF TRU Pad 2 in the Old Burial Ground (Building 643G) which is now known as the E-Area of the SRS SWMF. Descriptions of these operations are provided below. (References C056, C057, C058, C059, C064, C065, C066, D001, D002, D003, D004, and D005).

This waste stream includes TRU waste that was generated at the SWMF. The SWMF includes solvent storage tanks that have been closed and filled with grout. The solvent storage tanks contained waste from the Separations PUREX process and may have contained liquids originating from the Savannah River National Laboratory (SRNL) and Building 772-F. In the radiochemical separations process, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically tributyl phosphate in n-paraffin with residuals of uranium, plutonium, and fission products), is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible and then sent to the tanks for disposal. When the tanks were closed the materials in the tanks were transferred out of the tank, and the tanks were triple rinsed for RCRA closure. The waste stream includes the bag filters that were used during RCRA closure of the tanks. Rinse water and a nonhazardous cleaner were recycled through a trailer-mounted filter unit. The filter bags were placed into lead-lined drums for disposal (References C078, D020, M029, P048, P049, and P050).

A leaking TRU waste container generated at SRNL and stored on TRU Pad 2 as described in DPSP 79-1-8 (Reference C064) was retrieved. The leaking container had been suspected (as evidenced by "low level alpha contamination detected in the pad drainage collection sump shortly after it was stored") since September 1976. It was not found and retrieved until August 1979 (References C056, C063, and C064).

Based on the close proximity of the Incident Date (as described in DPSPU 76-272-367, Separations Incident, SI-76-108 [Reference C058]) to the date on the burial ground record it is believed this waste resulted from clean-up and remediation of the spill. The debris waste in this stream described as "Waste from 100T Low Boy" is consistent with the mention of a low-boy trailer that was contaminated. The spilled liquid originated from an H-Canyon collection tank fed by nitric acid raffinate and decon solutions (Reference C058, C063, and C072).

Waste Stream Material and Chemical Inputs

EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where liquids contained in the spills may have originated, namely H-Canyon, HB-Line, and SRNL.

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
Arsenic	D004	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Barium	D005	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Cadmium	D006	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Chromium	D007	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Lead	D008	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Mercury	D009	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Selenium	D010	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Silver	D011	Constituents in the solvent tank samples; cleanup and remediation waste resulting from spills	C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009
Carbon Tetrachloride	D019	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
			M025
Chloroform	D022	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,4-Dichlorobenzene	D027	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,2-Dichloroethane	D028	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
1,1-Dichloroethylene	D029	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
Vinyl Chloride	D043	Cleanup and remediation waste resulting from spills	C008, C009, C069, C070, D001, D002, DR004, M022, and M025
Chlorobenzene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
ortho-Dichlorobenzene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Methylene chloride	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Tetrachloroethylene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
1,1,1-Trichloroethane	F002	Constituents in the solvent tank samples and the cleanup and remediation	C001, C002, C008, C009, C069, C070, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
		waste resulting from spills	M025
1,1,2-Trichloroethane	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Trichloroethylene	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
1,1,2-Trichloro-1,2,2-trifluorethane	F002	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Nitrobenzene	F004	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Benzene	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Carbon disulfide	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Methyl ethyl ketone	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
2-Nitropropane	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Pyridine	F005	Constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills	C001, C002, C008, C009, C069, C070, DR004, M022, and M025
Toluene	F005	Constituents in the solvent tank samples and the cleanup and remediation	C001, C002, C008, C009, C069, C070, DR004, M022, and

Chemical	Environmental Protection Agency (EPA) Hazardous Waste Numbers (HWN)s	Usage	References
		waste resulting from spills	M025
Hydrazine	U133	Used during anion exchange in Scrap Recovery and during Np oxalate precipitation at the HB-Line located at the H-Canyon facility in the 200-H Separations Area.	C056, C057, C058, C059, C064, C065, C066, DR004, M022, and M025

RCRA Determinations

Historical Waste Management

Waste from the SWMF has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for spill cleanup and remediation debris waste. Instead the containers were managed individually as hazardous waste with toxicity characteristic and listed HWNs. A review of available AK documentation and container paperwork was performed and it was determined that this waste is hazardous. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005. HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where the liquids involved in the spills may have originated, namely H-Canyon, HB-Line, and SRNL. Therefore, based upon acceptable knowledge, HWNs D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005, and U133 are assigned to waste stream SR-SWMF-HET-B. The above table, Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B, lists the EPA HWNs assigned to waste stream SR- SWMF-HET-B (References C008, C009, C069, C070, C077, DR004, M022, M025, P005, and P008).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

The waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261).

Ignitability

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of ignitability as defined in 40 CFR 261.21. the waste is not liquid, the waste does not spontaneously ignite at standard pressure and temperature through friction, absorption of moisture, or spontaneous

chemical changes; the waste is not an ignitable compressed gas; and there are no oxidizers present that can stimulate combustion. Ignitable liquids were not used in cleanup or remediation (References M022 and M025). The waste is not an oxidizer, and it is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P037, P038, and P039). Prohibited items listed in the SRS Waste Acceptance Criteria (WAC) include ignitable wastes and compressed gases.

Certified Real Time Radiography (RTR) was performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-Waste Analysis Plan (WAP) will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not ignitable and is not assigned EPA HWN D001 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Corrosivity

The debris waste in waste stream SR-SWMF-HET-B is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) as defined in 40 CFR 261.22. Corrosive liquids were not used during spill cleanup and remediation (References M022 and M025). TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, and P037, P038, and P039).

Certified RTR was performed by CCP to ensure the absence of prohibited items. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated. Waste stream SR-SWMF-HET-B is therefore not corrosive and is not assigned EPA HWN D002 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Reactivity

The debris materials in waste stream SR-SWMF-HET-B do not meet the definition of reactivity as defined in 40 CFR 261.23. The waste is stable and will not undergo violent chemical change without detonating. The waste will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain reactive cyanide or sulfide compounds. There is no indication that the waste contains explosive materials, and it is not capable of detonation or explosive reaction. TRU waste was packaged according to waste characterization and certification procedures to meet SRS waste acceptance criteria (References P001, P002, P003, and P037, P038, and P039).

Certified RTR was performed by CCP to ensure the absence of prohibited items. Waste stream SR-SWMF-HET-B is therefore not reactive and is not assigned EPA HWN D003 (References M022, M025, P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Toxicity Characteristic

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic metal compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver due to the potential presence of these constituents in the solvent tank samples and in cleanup and remediation waste resulting from spills. EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where liquids contained in the spills may have originated, namely H-Canyon, HB-Line, and SRNL. Although D011 was not historically assigned to this waste by SRS, it was historically assigned to the TRU waste generated in the facilities where liquids contained in the spills may have originated. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were originally assigned to this waste stream by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, and D011 (References C077, DR004, M001, M013, M014, M016, M029, P005, P008, and P009).

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for carbon tetrachloride, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, and vinyl chloride due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Since data are not available that demonstrate the concentration of these organic constituents is less than the toxicity characteristic regulatory level, waste stream SR-SWMF-HET-B is assigned EPA HWNs D019, D022, D027, D028, D029, and D043. (References C008, C009, C069, C070, D001, D002, DR004, M022, and M025).

This waste stream is also contaminated with the toxicity characteristic organic compounds benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene due to the potential presence of these constituents in the solvent tank samples and cleanup and remediation waste resulting from spills. However, since the more specific F-listed EPA HWNs have been assigned for these constituents, EPA HWNs D018, D021, D035, D036, D038, D039, and D040 are not assigned to waste stream SR-SWMF-HET-B. Since the more specific F-listed EPA HWN has been assigned for benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene, assignment of the corresponding toxicity characteristic HWN is not necessary.

Listed Waste

F-Listed Waste

Waste stream SR-SWMF-HET-B contains or is mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.3. The debris waste is expected to be contaminated with F-listed constituents in the solvent tank samples and the cleanup and remediation waste resulting from spills. The specific hazardous constituents identified in the source documents as associated with the F-listed HWNs are listed in the table entitled Toxicity Characteristic and Listed Constituents in Waste Stream SR-SWMF-HET-B. Small amounts of contaminated soil

and absorbed liquid from these spills may also be present. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs F002, F004, and F005 (References C001, C002, C008, C009, C069, C070, DR004, M022, and M025).

The EPA has provided a regulatory clarification that the F001-listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference 9). Large-scale degreasing operations were not historically conducted in the facilities where liquids contained in the spills may have originated (References 14, 17). Therefore, waste stream SR-SWMF-HET-B is not an F001-listed hazardous waste.

Several F003-listed solvents were identified in the facilities where liquids contained in the spills may have originated. However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

K-Listed Waste

This waste is not a hazardous waste originating from any of the specific sources listed in 40 CFR 261.32. Therefore, waste stream SR-SWMF-HET-B is not a K-listed hazardous waste.

P- and U-Listed Waste

Based on review of AK relative to chemicals and materials used or present in the waste, Waste stream SR-SWMF-HET-B may contain or is mixed with a discarded unused commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33.

Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during Neptunium oxalate precipitation at the HB-Line (the source of origin of some of the waste which generated this waste stream). It is possible that pure liquid hydrazine may have contaminated these wastes and, consequently, the spill cleanup residues following significant spill and contamination events in Scrap Recovery. Therefore, U133 for hydrazine is applied to this waste stream. Although hydrazine itself is a reactive chemical, because it was a liquid, it would not have been placed in TRU waste containers without being absorbed, so would not be considered to be explosive or reactive. (Reference CCP-AK-SRS-4, Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Waste Streams: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HBL-BOX, SR-W027-221H-HET-C, SR-W027-221H-HET-D, SR-W027-221H-HOM), C056, C057, C058, C059, C064, C065, C066, DR004, M022, and M025).

HB-Line managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HB-Line as pure chemical or used as a pure chemical in any process, consistent with scrap dissolution procedures; therefore, U134 for hydrofluoric acid will not be applied to this waste stream (Reference M016).

Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site; however, the source documents make no mention of powdered beryllium ever being used (Reference D003). Any beryllium present in this waste stream does not meet the definition of a P015-listed waste. Waste stream SR-SWMF-HET-B is therefore not assigned a P-listed HWN. Debris wastes contaminated during the spill cleanup and remediation would also only

contain trace amounts of beryllium, if present. Therefore, any beryllium present in waste stream SR-SWMF-HET-B will be less than one percent by weight of the waste in any payload container, including ten-drum overpacks (References DR004, M022, and M025).

Polychlorinated Biphenyls

Polychlorinated biphenyls (PCB)s have not been identified in waste stream SR-SWMF-HET-B. Repackaging operations have identified the presence of PCBs in debris waste in two of the containers in waste stream SR-SWMF-HET-A (e.g., PCB light ballasts); however, PCBs are not expected in debris generated during cleanup and remediation. Therefore, this waste stream is not regulated as a Toxic Substances Control Act (TSCA) waste under 40 CFR 761 (References M022 and M025).

Prohibited Items

Certified RTR was performed by CCP to ensure the absence of sealed containers greater than four liters and prohibited quantities of liquid. Since absorbed waste is likely included in this waste stream, the presence of prohibited quantities of liquid due to dewatering or incomplete absorption is possible. Any container identified with liquids in excess of amounts allowed by the WIPP-WAP, or having containers greater than four liters, unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P002, P004, P005, P006, P007, P008, P009, P010, P019, P021, P022, P025, and P030).

Method for Determining Waste Material Parameter Weights per Unit of Waste

Waste Material Parameter (WMP) data was not available for waste stream SR-SWMF-HET-B. However, a brief description of the contents of each container was available in the source documents (References C063 and C072), and a description of observed waste types was recorded in RTR Quick Screen data sheets provided by SRS.

An evaluation of the data compiled from the source document and RTR Quick Screen data sheets indicates that the waste is predominantly inorganic at about 70 wt%. An evaluation was performed on each container in the current SR-SWMF-HET-B waste stream. The results from this evaluation are presented in the table below, Waste Stream SR-SWMF-HET-B Waste Material Parameters.

Waste Stream SR-SWMF-HET-B Waste Material Parameters

Waste Material Parameter	Avg. Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	27.53%	0 – 84.20%+
Aluminum-Based Metals/Alloys	0.00%	0 – 0.00%
Other Metals	0.00%	0 – 0.00%
Other Inorganic Materials	42.96%	0 – 69.04%
Cellulosics	24.52%	0 – 32.63%
Rubber	0.00%	0 – 0.00%
Plastic (waste materials)	4.99%	0 – 31.00%
Organic Matrix	0.00%	0 – 0.00%
Inorganic Matrix	0.00%	0 – 0.00%
Soils/Gravel	0.00%	0 – 0.00%
Total Organic Waste Avg.	29.51%	
Total Inorganic Waste Avg.	70.49%	

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUPACT-II Content (TRUCON) codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

Radiological data was available for all but one of the containers in waste stream SR-SWMF-HET-B; however, the burial ground record for the one omitted container listed variety of contamination code 83. The ratios of radionuclides found in variety of contamination code (SRS equivalent to a Material Type Code) 83 were used for this container in order to perform the calculations in the table below, Waste Stream SR-SWMF-HET-B Radiological Characterization. To determine isotopic ratios for waste stream SR-SWMF-HET-B as a whole, the total isotopic weight percentage for each individual radionuclide reported on the container paperwork for each container in the waste stream was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. This result is listed as "Total Radionuclide Wt%." To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." As shown in the table below, Waste Stream SR-SWMF-

HET-B Radiological Characterization, Pu-239 and Np-237 are expected to be the two most predominant radionuclides by mass (References C068 and P045).

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.16%	0.00% - 0.27%	0.44%	0.00% - 0.52%	Yes
Pu-238	0.30%	0.21% - 0.47%	4.05%	2.41% - 18.58%	Yes
Pu-239	**67.88%**	47.36% - 79.61%	3.28%	0.00% - 6.86%	Yes
Pu-240	**5.43%**	3.04% - 6.54%	0.96%	0.83% - 1.61%	Yes
Pu-242	**0.10%**	0.03% - 0.14%	Trace	0.00% - Trace	Yes[6]
U-233	Not Reported				Yes
U-234	Not Reported				Yes
U-238	Not Reported				Yes
Cs-137	Trace	0.00% - Trace	0.16%	0.00% - 0.27%	Yes
Sr-90	Trace	0.00% - Trace	0.19%	0.00% - 0.12%	Yes
Additional Radionuclides					
Am-242m	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Am-243	3.51%	0.00% - 5.71%	0.54%	0.00% - 0.64%	Yes
Ba-137m	Trace	0.00% - Trace	0.15%	0.00% - 0.26%	Yes
Ce-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-244	0.86%	0.00% - 1.41%	54.33%	0.00% - 63.75%	Yes
Cm-245	0.04%	0.00% - 0.07%	Trace	0.00% - Trace	Yes
Cm-246	0.03%	0.00% - 0.06%	Trace	0.00% - Trace	Yes
Cm-247	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cm-248	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Cs-134	Trace	0.00% - Trace	0.02%	0.00% - 0.03%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Eu-155	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
H-3	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Kr-85	Trace	0.00% - Trace	0.01%	0.00% - 0.02%	Yes
Np-237	**21.22%**	10.28% - 48.80%	0.01%	0.00% - 0.08%	Yes
Pm-147	Trace	0.00% - Trace	0.02%	0.00% - 0.02%	Yes
Pr-144	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2,5]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4,5]	Suspected Present (Yes/No)
Pu-241	0.45%	0.30% - 0.52%	35.75%	28.60% - 72.86%	Yes
Rh-106	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ru-106	Trace	0.005 - Trace	Trace	0.00% - Trace	Yes
Sm-151	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Tc-99	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Te-125	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
U-235	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Y-90	Trace	0.00% - Trace	0.12%	0.00% - 0.19%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy. Its value is calculated based on other measured plutonium isotopes

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Document Title
C001	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During FB-Line Drum Remediation
C002	Memo to D. M. Cole Characterization of TRU Job Control Waste Generated on Pad #6 During HB-Line Drum Remediation
C003	Memo to K. A. Stone SW's TRU Waste Shipments
C005	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: SWD031533
C006	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: Radiacwash
C007	Memo to D. M. Cole re: Assay Results for JCW Drums 10/07/04
C008	Memo to M. A. Kokovich re: Applicability of Two RCRA Waste Codes to TRU Waste Generated in FB-Line
C009	Memo to M. A. Kokovich re: Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line
C052	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A
C054	E-mail Correspondence from Jeff Lunsford to Jeff Harrison Subject: re: Future Generation of SRS-12 Waste
C055	Updated Evaluation of Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-A
C056	Savannah River Plant (SRP) Burial Ground Building 643-G Appraisal Audit
C057	Leaking Fiberglass Burial Cask (DPSPU 76-272-448) – Separations Incident, SI-76-10-150
C058	Contaminated Liquid Spill (DPSPU 76-272-367) – Separations Incident, SI-76-108
C059	Contamination of TRU Pad No. 3 –Cracked Lid on Fiberglass Burial Box (DPSPU 76-272-454) – Separations Incident, SI-76-153
C061	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B
C063	Email from Jeff Lunsford to Jim Schoen, Subject: Fw More Info Regarding Use of 643-G TRU Waste
C064	Works Technical Report for August 1979, DPSP-79-1-8
C065	Works Technical Report for October 1976, DPSP-76-1-10
C066	Works Technical Report for November 1976, DPSP-76-1-11
C068	Email From Jeff Harrison to Jim Schoen and Mike Papp, Subject: RE: EA Reviews completed on SRS High Pu-240 AK-12 Soils Drums
C069	Email from Joseph Price to Jim Schoen re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization
C070	Interoffice Memorandum from J. K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste
C072	Email from Jeff Lunsford to Lisa Watson and Jeff Harrison, Ref: AK Investigation for 643-G Cntr ID's SR89796 & SR89797
C077	Evaluation of Additional Containers for SR-SWMF-HET-B
C078	Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution
D001	Savannah River Site Solid Waste Management Facility Documented Safety Analysis
D002	Solid Waste Management Facility. The Modular Repackaging System on TRU Pad

Tracking Number	Document Title
	19 Justification for Continued Operation
D003	Consolidated Hazards Analysis For The TRU Visual Examination Facility
D004	Consolidated Hazards Analysis For The Modular Repackaging System On TRU Storage Pad 19
D005	Consolidated Hazards Analysis For Removal Of Prohibited Items From TRU Drums In The Mixed Waste Processing Facility (U)
D018	Safety Analysis Report FB-Line, F-Canyon, FA-Line and Outside Facilities
D019	Burial Ground Facility Building 643-G Operations
D020	Solvent Tanks (S23-S30) Interim Closure Plan (U)
DR001	Discrepancy Resolution for EPA Hazardous Waste Numbers
DR004	Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF-HET-B and SR-SWMF-SOIL
DR005	Discrepancy Resolution to assign a container designated by SRS as Waste Stream SR-SWMF-HET-B to SR-SWMF-SOIL and a container designated as Waste Stream SR-SWMF-SOIL to SR-SWMF-HET-B
M001	OSR 29-90 Transuranic Waste Container Characterization Forms for Drums in Waste Stream SR-SWMF-HET-A
M002	Collection of MSDSs for SR-SWMF-HET-A
M003	Calculation Cover Sheet. Calculation of Curie Fractions Used in Entering Waste Stream in WITS
M004	Calculation Cover Sheet, Plutonium Equivalent Curie Levels for Aerosol Cans and Job Control Waste Drums from TRU Remediation of HB-Line and 235-F Waste
M005	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 773-A
M006	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from 772-F
M007	Calculation Cover Sheet, Evaluation of PEC and FGE Values for Remediated TRU Waste from FB-Line
M008	Calculation Cover Sheet, Development of Composite Distributions for Repackaging TRU Waste
M009	Request for Deviation to SRS Waste Acceptance Criteria Manual. E-Area TRU Remediation Processes
M013	Evaluation of Additional Containers for SRS-12 Waste Stream SR-SWMF-HET-A
M014	29-90s for Drums Added on 2/11/2008
M015	Evaluation of Additional Drums for Waste Stream SR-SWMF-HET-A
M016	Additional Transuranic Waste Container Characterization Form (29-90)
M018	Waste Package Data Report for SWD081406
M019	Addition of 61 Containers to Waste Stream SR-SWMF-HET-A
M020	Waste Stream SR-SWMF-HET-A Radiological Evaluation
M021	SR-SWMF-HET-B Container Cross Reference Documents
M022	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B
M024	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-A
M025	Go West Data for CCP-AK-SRS-12
M027	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-HET-B
M029	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-B
P001	SRS Waste Acceptance Criteria Manual

Tracking Number	Document Title
P002	E-Area TRU Pads Transuranic Waste Acceptance Criteria
P003	Waste Characterization and Quantification
P004	Pad 6 and Pad 19 Generated SWMF TRU/MTRU Waste
P005	TVEF Operations (U)
P006	MRS Operations (U)
P007	Removal of Prohibited Items (U)
P008	TVEF Removal of Prohibited Items (U)
P009	Introduction and Removal of TRU Waste for Characterization in TVEF (U)
P010	TVEF Operations (U)
P018	Transferring TRU Drums to SWMF
P019	TRU Drum Inventory Control
P020	Inventory Control of TRU Repackaging Enclosures
P021	GCO TRU Drum Remediation
P022	TRU Drum Repackaging
P025	Absorbing Containerized Liquids
P026	Replacing TRU Repackaging Enclosure Gloves
P030	Absorbing Containerized Liquids
P031	Shipment Preparation for TRU Containers to SWMF
P032	Transuranic (TRU) Waste Repackaging in H-Canyon
P033	F-Canyon Container Transfer
P034	Standard Waste Box Operations (U)
P037	DPSOP40 Savannah River Plant Radiation and Contamination Control/Management of Solid Radioactive Waste
P038	Decontamination of TRU Pad #3
P039	Decontamination of TRU Pad #3 Procedure 2
P040	Solid Waste Operating Procedures Manual Cell 11 TRU Repackaging Operation
P041	Transuranic (TRU) Waste Repackaging of Large Steel Boxes, Standard Large Boxes, and other Miscellaneous Containers in H-Canyon (Phase 11a.1)
P045	Radioactive Solid Waste Burial Record, Enclosure 1
P046	Packaging Sealed Containers With Liquid Waste (U)
P048	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P049	Solvent Tanks (S23 – S30) Interim Closure Plan (U)
P050	Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28

AK8

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01154
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: April 16, 2013

FROM: M. F. Ramirez — LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 — LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-W027-321M-HOM

Please accept the attached Savannah River site Waste Stream Profile Form SR-W027-321M-HOM to be placed in records for Waste Stream # SR-W027-321M-HOM.

MFR:jmc

Attachment

cc: (without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

CCP RECORDS ORIGINAL
DATE REC'D 5/14/13

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-W027-321M-HOM						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock					(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 32, October 25, 2012						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-W027-321M-HOM					(11) Summary Category Group: S3000	
(12) Waste Matrix Code Group: Solidified Organics					(13) Waste Stream Name: Absorbed Billet Lubricating Oil	
(14) Description from the ATWIR: Waste stream SR-W027-321M-HOM is comprised primarily of a mixture of A-408 lubricating oil (International Organization for Standardization [ISO] 680 hydrocarbon oil) and powered lead absorbed with Oil-Dri (granular clay absorbent) as well as minor amounts of organic and inorganic debris waste items.						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: NA (17a) Number of SLB2: NA		(18) Number of Drums: 1 55-gallon drum			(19) Number of Canisters NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: D008 and F002						
(22) Applicable TRUCON Content Numbers: SR 127 / 227						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-14, Revision 2, August 9, 2012, Figures 1, 2 and 3.						
(23B) Facility mission description: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.6.						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.2.						
(23E) Types and quantities of waste generated: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.1.						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 4.7.3.						
(24) Waste certification procedures: CCP-TP-030, Revision 31, November 19, 2012						
(25)Required Waste Stream Information						

(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.1.			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.2.			
(25C) Waste generating process description for each building: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.3.			
(25D) Waste Process flow diagrams: CCP-AK-SRS-14, Revision 2, August 9, 2012, Figure 4.			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-14, Revision 2, August 9, 2012, Section 6.4.			
(25F) Waste Material Parameter Weight Estimates Per Unit of Waste: See Table entitled "Waste Stream SR-W027-321M-HOM Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM.			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management		Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27)Supplemental Documentation:			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P111, P157, P158, P159, P160, P162 and P163 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27C) Safety Analysis Reports: See C016 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27D) Waste packaging logs: NA			
(27E) Test plans/research project reports: NA			
(27F) Site databases: NA			
(27G) Information from site personnel: NA			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C104 and M053 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27J) Material safety data sheets: See C104 in Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM, Source Documents			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

Attachment 2 – CCP Waste Stream Profile Form

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES [X] **Date:** 2/6/2013

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 1/24/2013

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Beverly Schrock Printed Name	4/2/2013 Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-W027-321M-HOM
Lot #: 1

TABLE OF CONTENTS

Characterization Information Summary Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

Solids Analysis VOC UCL_{90} Evaluation Form..... 004

Solids Analysis SVOC UCL_{90} Evaluation Form..... 005

Solids Analysis Metals UCL_{90} Evaluation Form..... 006

Solid VOCs Summary Data..... 007

Solid SVOCs Summary Data..... 008

RTR/VE Summary of Prohibited Items and AK Confirmation..... 009

Reconciliation with Data Quality Objectives..... 010

CCP Characterization Information Summary Cover Page

Waste Stream #	SR-W027-321M-HOM	Lot #:	1
AK Expert Review:	N/A	Date:	N/A
SPM Review:	Richard Kantrowitz	Date:	2/15/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Non Destructive Assay (NDA):

CCP-TP-189	Rev. 2	05/04/11	CCP Box Segmented Gamma System (BSGS) Operating Procedure
CCP-TP-193	Rev. 3	08/08/11	CCP Data Reviewing, Validating, and Reporting Procedure for the Nondestructive Assay Box Counters

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-180	Rev. 3	01/17/13	CCP Analytical Sample Management
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-W027-321M-HOM

Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR500174	SRLBC0587	SR4RTR0230	N/A	SSG12-00007	ALD12030F, ALD12030H, ALD12030M, ALD12030N, ALD12030S, ALD12030V		N/A	N/A	N/A

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CTS003

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	5	5	4.4000	3.4600	1.1929	4.2779	10.0	N/A		
Bromoform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Disulfide	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Tetrachloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Chlorobenzene	No	0	5	0.0900	0.0880	0.0027	0.0899	10.0	N/A		
Chloroform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,2-Dichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Ethyl Benzene	No	5	5	4.2000	3.4600	0.8792	4.0628	10.0	N/A		
Methylene Chloride	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
m,p-Xylene*	No	5	5	2.6000	2.1600	0.5128	2.5116	10.0	N/A		
o-Xylene	No	5	5	4.6000	3.8000	0.9670	4.4630	10.0	N/A		
1,1,2,2-Tetrachloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Tetrachloroethylene	No	4	5	0.8400	0.6570	0.3240	0.8792	10.0	N/A		
Toluene	No	5	5	10.0000	8.3800	2.2521	9.9242	10.0	N/A		
Trans-1,2-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,1-Trichloroethane	No	3	5	0.5300	0.3630	0.1724	0.4812	10.0	N/A		
Trichloroethylene	No	5	5	20.0000	16.4400	4.8957	19.7968	10.0	N/A	Yes	F002
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,2-Trichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Trichlorofluoromethane	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
Vinyl Chloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	4.0	1.3863		
Acetone	Log	4	5 (3)	3.7136	2.9692	0.5138	3.3900	100	4.6052		
Butanol	Log	4	5 (3)	3.4340	2.9825	0.3048	3.2321	100	4.6052		
Methanol	Log	0	5	3.8918	1.1154	1.5525	2.1799	100	4.6052		
Methyl ethyl ketone	Log	4	5 (3)	3.0445	2.7749	0.1827	2.9245	100	4.6052		
Ethyl ether	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Isobutanol	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Pyridine	Log	1	5 (3)	2.8904	1.2604	1.0874	2.1508	100	4.6052		
Formaldehyde	No	0	5	1.0000	1.0000	0.0000	1.0000	100	N/A		
Hydrazine	No	0	5	1.5000	1.4700	0.0274	1.4888	100	N/A		

* *These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."*

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

C1500Y

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
1,2-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
1,4-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2,4-Dinitrophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
2,4-Dinitrotoluene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachlorobenzene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachloroethane	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2-Methylphenol (o-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
3&4-Methylphenol (m&p-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
Nitrobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
Pentachlorophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		

C1S005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) Due to dilution requirements, four samples had non-detected results that exceeded the PRQL. Consequently, the UCL_{90} was set to the maximum result and the non-transformed data set was automatically chosen.

(4) Due to dilution requirements, one sample had a non-detected result that exceeded the PRQL. Consequently, four data points were used in the calculations.

(5) All sample results were non-detects that exceeded the PRQL. With no usable data, no UCL_{90} could be calculated. No EPA HWN is assigned as 2,4-Dinitrotoluene and Hexachlorobenzene are not listed in the AK.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSI SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg) (2)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
Antimony	Log	2	5	-0.03	-0.97	0.61	-0.55	100	5		
Arsenic	Log	0	5	-0.80	-0.80	0.00	-0.80	100	5		
Barium	Log	5	5	5.08	4.71	0.24	4.88	2000	8		
Beryllium	No	5	5	3.60	3.34	0.24	3.51	100	N/A		
Cadmium	Log	5	5	0.18	-0.62	0.63	-0.19	20	3		
Chromium	SQRT	5	5	8.83	7.22	1.12	7.99	100	10		
Lead	No	5	5	380.00	138.24	182.41	263.32	100	N/A	Yes	D008
Mercury	SQRT	4	5	0.18	0.13	0.04	0.15	4	2		
Nickel	Log	5	5	3.47	2.96	0.30	3.16	100	4.61		
Selenium	Log	1	5	0.34	-0.49	0.46	-0.17	20	3		
Silver	Log	1	5	-1.17	-2.63	0.82	-2.07	100	5		
Thallium	No	0	5	0.30	0.30	0.00	0.30	100	N/A		
Vanadium	No	5	5	56.00	48.00	7.65	53.24	100	N/A		
Zinc	Log	5	5	4.70	4.29	0.27	4.48	100	4.61		

eTSOO6

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) No varience in data was found for Thallium, due to all non detect data points. The maximum value is used as the UCL_{90}.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/15/2013
Date

CCP Solid VOCs Summary Data

Waste Stream Number: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number: 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature [signature] Date 2/15/2013

CIS007

CCP Solid SVOCs Summary Data

Waste Stream Number	SR-W027-321M-HOM	Solids Summary Waste Stream Lot Number	1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 2/15/2013

CIS008

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-W027-321M-HOM Lot #: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Richard Kantrowitz (Printed Name) | 2/15/2013 (Date)

CIS009

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

Sampling Completeness

RTR/VE

Number of Valid Samples: 1 Number of Total Samples Analyzed: 1
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 1 Number of Total Samples Analyzed: 1
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 5 Number of Total Samples Collected: 5
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The transuranic (TRU) activity reported in the BDRs for each container demonstrates with a 95 percent probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each **VOC** in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional EPA HWNs were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids VOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids SVOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **total metals** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-W027-321M-HOM Lot # 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 *Code of Federal Regulations* (CFR), Part 261, *Identification and Listing of Hazardous Waste*, Subpart C, *Characteristics of Hazardous Waste*.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, *Lists of Hazardous Wastes?*
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness quality assurance objectives (QAOs) were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Sampling and Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments:

None

Signature of Site Project Manager | Richard Kantrowitz (Printed Name) | 2/15/2013 (Date)

CI5012

Summation of Aspects of AK Summary Report: Waste Stream SR-W027-321M-HOM

Overview

Waste stream SR-W027-321M-HOM consists of contact handled (CH) transuranic (TRU) mixed homogeneous solid waste generated at the Building 321-M Fuel Fabrication Facility in the 300-M Area of the Savannah River Site (SRS). The mission of Building 321-M, as it relates to the generation of TRU waste, was the fabrication and testing of plutonium-aluminum and neptunium-aluminum target tubes and associated maintenance operations. All radioactive solid waste produced at SRS is stored or disposed of at the E-Area Solid Waste Management Facility (SWMF).

The plutonium produced during the Mark 41 target tube program at SRS was sent to LANL for defense research and development applications. Therefore, the waste stream was generated by defense research and development.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-W027-321M-HOM for homogeneous solid waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-14, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Fuel Fabrication Facility Transuranic Waste, Waste Streams: SR-W027-321-322M-HET, SR-W027-321M-HOM,* Revision 2, August 9, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Absorbed Billet Lubricating Oil
Waste Stream Number:	SR-W027-321M-HOM
Dates of Waste Generation:	May 1975
Waste Stream Volume – Current:	1 55-gallon drum
Waste Stream Volume – Projected:	None expected
Summary Category Group:	S3000
Waste Matrix Code Group:	Solidified Organics
Waste Matrix Code:	S3114, Absorbed Organic Liquids
TRUPACT-II Content Code:	SR 127/SR 227
Annual Transuranic Waste Inventory Report (ATWIR) Identification Number:	SR-W027-321M-HOM

Waste Stream Description and Physical Form

Waste stream SR-W027-321M-HOM is comprised primarily of a mixture of A-408 lubricating oil (International Organization for Standardization [ISO] 680 hydrocarbon oil) and powdered lead absorbed with Oil-Dri (granular clay absorbent) as well as minor amounts of organic and inorganic debris waste items. Other waste items may include iron-based metals (e.g., cans, dustpan, funnel, scrap, shovel), asbestos (e.g., gloves), paper (e.g., wipes), rags, leather gloves, plastic (e.g., bags, sheeting, tape), rubber (e.g., hose), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., pumps).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream contains a single drum generated during maintenance operations.

Point of Generation

Location

Waste Stream SR-W027-321M-HOM was generated at SRS in Aiken, South Carolina. The waste is currently stored at the SRS E-Area SWMF.

Area and/or Buildings of Generation

Waste stream SR-W027-321M-HOM was generated in the Building 321-M Fuel Fabrication Facility in the 300-M Area.

Generating Processes

Description of Waste Generation Processes

The primary TRU waste generating activity in Building 321-M was fabrication of plutonium target tubes and associated maintenance operations. The Mark 41 program plutonium extrusion billets were fabricated in Building 235-F and subsequently transferred to Building 321-M for evacuation, extrusion into target tubes, tube finishing, testing and evaluation, and final assembly (References C016, C036, C037, D013, D035, D043). Waste stream SR-W027-321M-HOM was generated from maintenance of the extrusion press pit (Reference P036).

After fabrication in Building 235-F, the plutonium billets were transferred to Building 321-M for evacuation (also called outgassing) where the billets were heated to a temperature greater than the extrusion temperature to check for weld leaks. Billets were then lubricated with Aquadag (a colloidal suspension of graphite in water). The graphite coating provided a uniform black body for accurate temperature control during pre-heating. The billets were pre-heated to the extrusion temperature and then sealed with a crimping tool. Pre-heated billets were further lubricated immediately before extrusion by coating them with a mixture of powdered lead in A-408 Oil (ISO 680 hydrocarbon oil) (References D013, D043, P020, P022, P024, P026, P031, P043).

Periodically the oil in the extrusion press pit needed to be cleaned out and disposed. The oil was pumped into a 55-gallon drum until the drum was half full. The oil was sampled and analyzed, and if the oil was found to be contaminated, Oil-Dri (granular clay absorbent) was added to form a solid cake. Once the oil was removed from the pit, residual oil was removed

from the pit floor with rags which were then placed into a plastic-lined container. Residual lead was removed from the pit and placed into a metal container with Oil-Dri. If necessary, the pit was also cleaned with Klear All 99 solvent (methylene chloride, tetrachloroethylene, and petroleum distillates) (References M023, P036, P043).

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-W027-321M-HOM

Chemical/Compound	Use/Source	EPA Hazardous Waste Number	References
Lead (powdered)	Mixed with A-408 Oil and applied to billets prior to extrusion. Contaminant detected in certified solid sampling above the program required quantitation limit (PRQL).	D008	D013, DR011, P043, P155
Methylene chloride	Component of Klear All 99 solvent used during extrusion press pit cleaning.	F002	DR011, M023, P036
Tetrachloroethylene	Component of Klear All 99 solvent used during extrusion press pit cleaning.	F002	DR011, M023, P036
Trichloroethylene	Contaminant detected in certified solid sampling above the PRQL.	F002	DR011

RCRA Determinations

Historical Waste Management

Waste stream SR-W027-321M-HOM has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. This waste was generated approximately 35 years ago before RCRA was implemented at SRS. Based on historical waste management practices, the SRS managed the container in this waste stream as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream, including those identified in material safety data sheet (MSDS) information for commercial products and certified solid sampling, has determined that this waste stream is RCRA-hazardous (Reference DR011).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. A solid waste exhibits the characteristic of ignitability if it has any of the following properties: 1) It is a flammable liquid

(flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter).

Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). Oil-soaked rags are subject to spontaneous combustion. To prevent these rags from igniting, they were packaged in sealed metal cans with sufficient Oil-Dri to absorb all oily liquid (Reference P111). Based on a review of available AK documentation, ignitable liquids, pyrophoric material, ignitable compressed gases, and oxidizing compounds were not identified in the process that generated waste stream SR-W027-321M-HOM. The waste material in the waste stream is therefore not ignitable waste (D001).

Corrosivity

The waste material in waste stream SR-W027-321M-HOM is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity as defined in 40 CFR 261.22. A solid waste exhibits the characteristic of corrosivity if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year.

Based on a review of available AK documentation, corrosive liquids were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid. If the liquid was acidic, the acid was washed from the material, and the liquid was disposed down a waste drain. The wet materials were then neutralized before pressing to remove any additional liquid. Liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not corrosive waste (D002).

Reactivity

The waste material in waste stream SR-W027-321M-HOM does not meet the definition of reactivity as defined in 40 CFR 261.23. A solid waste exhibits the characteristic of reactivity if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173.

Based on a review of available AK documentation, reactive materials were not identified in the process that generated waste stream SR-W027-321M-HOM. Procedures required wet materials such as rags to be pressed to remove excess liquid, and liquids were absorbed using vermiculite or other similar absorbent prior to disposal (Reference P160). The waste material in the waste stream is therefore not reactive waste (D003).

The container in the waste stream was evaluated in accordance with the WIPP-WAP using real-time radiography (RTR) prior to shipment to ensure the waste was not ignitable, reactive, or corrosive.

Toxicity Characteristic

Waste stream SR-W027-321M-HOM exhibits the characteristic of toxicity for metals as defined in 40 CFR 261.24. Absorbed lubricating oil mixed with powdered lead is present in this waste stream (References D013, P043, P155). In addition, lead was detected above the regulatory level in certified solid sampling. Other toxic metals were also detected in the solid sampling but they were present below regulatory levels. Therefore, Environmental Protection Agency (EPA) hazardous waste number D008 is assigned to this waste stream (Reference DR011).

Waste stream SR-W027-321M-HOM does include organic toxicity characteristic compounds as defined in 40 CFR 261.24. Tetrachloroethylene was used in the process that generated this waste stream (References M023, P036). In addition, the UCL_{90} for toxicity characteristic compound trichloroethylene (D040) exceeded the PRQL in certified solid sampling. However, the more specific EPA hazardous waste number F002 has been assigned to the waste stream and the assignment of the corresponding toxicity characteristic EPA hazardous waste numbers is not necessary (i.e., D039, D040). Therefore, these characteristic EPA hazardous waste numbers are not assigned to this waste stream (Reference DR011).

Listed Waste

F-Listed Waste

Waste stream SR-W027-321M-HOM is an F-listed hazardous waste because it was mixed with hazardous wastes from non-specific sources as listed in 40 CFR Part 261.31. The following F-listed constituents were used and contaminate the materials in this waste stream.

- Klear All solvent was used for cleaning of the extrusion press pit (Reference P036). This commercial product contains tetrachloroethylene and methylene chloride (Reference M023).

- CCP certified solid sampling and analysis of homogeneous waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit (UCL_{90}) exceeded the PRQL for this analyte. A re-evaluation was performed and no potential source of trichloroethylene was found in the available AK documentation. As required by the WIPP-WAP, hazardous waste number F002 is conservatively assigned to the waste stream for trichloroethylene because the source of the constituent could not be identified (Reference DR011).

- Raycohesive B-84 which contains 1,1,1-trichloroethane and methylene chloride was used to seal the rigid liner lid and drum gasket in place (References M023, P111, P160). According to the WIPP-WAP, solvents used for packaging purposes do not meet the definition of an F-listed waste.

As indicated above, F001 listed solvents methylene chloride, tetrachloroethylene, and trichloroethylene were identified as being present in the waste stream. However, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor

degreasing on an industrial scale. This waste was generated during maintenance operations, not during large-scale degreasing operations (Reference DR011). Therefore, EPA hazardous waste number F002 is assigned to this waste stream.

K-Listed Waste

Waste stream SR-W027-321M-HOM does not contain hazardous waste from the specific sources in 40 CFR 261.32 and therefore is not a K-listed waste.

P- and U-Listed Waste

Waste stream SR-W027-321M-HOM does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. Based on the AK documentation reviewed, there is no evidence that unused commercial products were disposed of in TRU waste drums. Consequently, P- and U-listed EPA hazardous waste numbers are not assigned to this waste stream. In addition, hydrofluoric acid and beryllium were not used in Building 321-M. Therefore, EPA hazardous waste numbers U134 and P015 are not assigned to this waste stream (References M050, M060).

Polychlorinated Biphenyls (PCBs)

Based on documentation reviewed during the AK investigation, waste stream SR-W027-321M-HOM does not contain PCBs greater than 50 ppm, and therefore is not regulated as a Toxic Substance Control Act waste under 40 CFR 761.

Common PCB items include fluorescent light ballasts and oil-filled equipment such as electrical transformers, capacitors, and hydraulic equipment (e.g., pumps). There is no indication of these items being present in this waste stream. A portable pump was used to remove the oil from the extrusion press pit and transfer it into a drum, but RTR did not identify a pump in this drum (Reference M024). Pump oils, which commonly included PCBs, were collected separately from this waste stream. This waste stream includes absorbed A-408 lubricating oil mixed with powdered lead and there is no indication that this lubricating oil contained PCBs (References C017, M023, P043).

Prohibited Items

Uncertified RTR conducted on this drum in February 2008 identified 2.5 gallons of liquid (Reference M024). This drum was repackaged in August 2008, and the repackaging form indicates the liquid was absorbed. However, an uncertified RTR was conducted again in July 2011 and liquid was identified in the folds of the plastic (Reference M054).

Certified RTR and/or VE are performed by Central Characterization Program (CCP) to ensure liquids do not exceed the amounts allowed by the WIPP-WAP and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of the amounts allowed by the WIPP-WAP, or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P162, P163).

Method for Determining Waste Material Parameter Weights per Unit of Waste

Uncertified RTR was done for the one drum in waste stream SR-W027-321M-HOM to determine the summary category group and estimate the waste material parameter weights (References C105, M054).

Waste Stream SR-W027-321M-HOM Waste Material Parameters

Waste Material Parameter	Weight Percent
Iron-based Metals/Alloys	3.3%
Aluminum-based Metals/Alloys	<0.1%*
Other Metals	<0.1%*
Other Inorganic Materials	0%
Cellulosics	<0.1%*
Rubber	<0.1%*
Plastics (waste materials)	5.4%
Organic Matrix	91.3%
Inorganic Matrix	0%
Soils/Gravel	0%

* Waste material parameters not identified by uncertified RTR; however, AK documentation indicates they may be present in the waste stream.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

The values reported for Waste Stream SR-W027-321M-HOM Radiological Characterization, are based on the results of certified CCP non-destructive assay data. To determine isotopic ratios, the gram value for each individual radionuclide was summed over the waste stream and then divided by the total radiological mass in the waste stream (i.e., one drum). This value was converted to a percentage and is presented as the "Total Radionuclide Wt%" on the following table. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activities for each radionuclide over the waste stream. The radionuclide weight percent range for individual drums and total radionuclide curie percent range for individual drums were not determined because this is a one drum waste stream. The two most prevalent radionuclides by mass are Pu-239 and Np-237 (Reference DR012).

Waste Stream SR-W027-321M-HOM Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3,5]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	Not Reported				Yes[6]
Pu-238	7.80%	N/A	**96.82%**	N/A	Yes
Pu-239	**69.86%**	N/A	3.15%	N/A	Yes
Pu-240	Not Reported				Yes[7]
Pu-242	0.01%	N/A	Trace	N/A	Yes
U-233	Not Reported				No
U-234	3.79%	N/A	0.02%	N/A	Yes
U-238	Not Reported				Yes[8]
Cs-137	Trace	N/A	Trace	N/A	Yes
Sr-90	Trace	N/A	Trace	N/A	Yes
Additional Radionuclides					
Pu-241	Not Reported				Yes[7]
Np-237	**18.54%**	N/A	0.01%	N/A	Yes
U-235	Not Reported				Yes[8]

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream (i.e., one drum).
2. Radionuclide Wt% Range for Individual Containers was not reported because this is a one drum waste stream.
3. This listing indicates the total curie percent of each radionuclide over the entire waste stream (i.e., one drum).
4. Radionuclide Ci% Range for Individual Containers was not report because this is a one drum waste stream.
5. "Trace" indicates <0.01 weight or activity percent for that radionuclide.
6. Am-241 was not reported in SRS or CCP data but will be potentially present from the decay of Pu-241.
7. Pu-240 and Pu-241 were not reported in CCP data but are potentially present because they are present in Mark 41 materials.
8. U-235 and U-238 were not reported in SRS or CCP data but are potentially present from enriched uranium fabrication operations.

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Document Title
C016	Memo to T. C. Evans re: Nuclear Criticality Safety Analysis No. 67 Processing Mark 41 in Buildings 321-M and 322-M
C017	Memo to S. L. Tibrea re: Building 321-M Wastes
C027	Memo to J. M. Boswell re: Mark 41 Development Program Status
C028	Memo to J. M. Boswell re: Mark 41 Development Program-Status (2)
C036	Memo to J. Jiunnies re: Nuclear Criticality Safety Analysis No. 157 Processing Mark 42 Tubes and Billets in the 300 Area
C037	Memo to G. W. Wilds re: Nuclear Criticality Safety Analysis 79-4 Nuclear Safety in the Fabrication and Shipment of Mark 42 Billets for the Pu-242 Program
C038	Memo to J. P. Maloney re: Evaluating Mark 41 (PuO2) Tubes Containing High Density Spots
C044	Memo to G. W. Wilds re: Summary of MK 42 Program in Building 235-F
C045	Memo to R. S. Swingle re: 235-F Quality Control Program Mark 42 Billet Fabrication
C100	Memorandum from Kevin J. Peters to CCP Central Records. Subject: Savannah River Transplutonium Program & Special Isotope Production for Defense R&D
C104	E-mail from Dan Remington to Jeff Harrison, et al. Subject: PSLBC0051 Technical Questions Answered
C105	Review of RTR Fast Scan for SR500174
C150	Modification of Bldg. 322-M Plutonium-Neptunium Glove Box System
C151	Email from Jeff Lunsford to Jim Schoen Dated 6/18/12
C152	Email from Jeff Lunsford to Jim Schoen Dated 6/19/12
D013	Safety Analysis – 300 Area, Savannah River Plant, Raw Materials Area Operations; Fuel Fabrication Facility – Building 321-M (UCNI)
D022	Mark 41 Irradiation Program, Add. 1
D035	Mark 41 Billet Fabrication Program Building 235-F
D043	Mark 41 PuO_2-Al Outer Target Tube 300-Area Process Documentation (a Works Technical Internal Report)
DR002	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Mark 41 and Mark 42 Radionuclides
DR005	Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Waste Stream SR-W027-321-322M-HET Packaging
DR011	Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM
DR012	Acceptable Knowledge Source Document Discrepancy Resolution – Radiological Distribution for Waste Stream SR-W027-321M-HOM
M023	Material Safety Data Sheets for Commercial Products Used in Building 321-M
M024	RTR Quick Screen Data Sheets
M050	Burial Ground Records
M053	Radioassay Data Sheets for SR505375 and SR500174
M054	RTR Still Images of SR500174

Tracking Number	Document Title
M060	GoWest Database Query – Generator Facility 321 M
P020	Special Test Procedure - Mark 41 Outer Target Development Pilot Run
P022	Sealing Billet Evacuation Tubes
P024	Preparing and Applying Billet Lubricant
P026	Operating Outgassing Ovens A, B, C, & D
P028	Operating the Bond Tester
P029	Process Quality Assurance
P031	Operating the Extrusion Press (Coextrusion)
P036	Cleaning Extrusion Press Pit
P042	Assembly of Tubes
P043	Preparing, Applying, and Disposing of Lead-Oil Lubricant
P050	Transferring Metallurgical Sample Tubes Between Buildings 321·M And 322·M
P051	Final Inspection of Tubes
P054	Dimensional Inspection of Tubes
P055	Operating the Pickling Room Hoist
P056	Cleaning EP 63 Solvent Recovery Still
P058	Assembly Straightness Inspection
P059	Cutting Fuel Tubes with Hand Saw
P062	Straightening Tubes with Gag Press
P067	Completing Burial Ground Record Forms
P083	Thermal Test Oven Operation, EP 20169
P088	Trimming Tubes Using Stone Cutoff Saw, Model M-75
P090	Starting up and Shutting Down Pickling Room
P092	Preparing, Adjusting, and Disposing of Tube Cleaning Solutions
P093	Operating the Trichloroethane Recovery Still, EP 20189
P094	Shutting Down and Cleaning Degreaser, EP 116
P098	Machining Tubes to Specifications on Cutter-Trimmer
P099	Sizing Tubes on Drawbench, EP 114
P105	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part III
P109	Postextrusion Cleaning - Tubes or Logs
P111	Radiation and Contamination Control for Processing Neptunium and Plutonium Elements
P123	Special Test Procedure - Mark 41 Outer Target Production, NTG Testing Through Shipping
P132	Special Test Procedure - Mark 41 Outer Target Production, Radiation and Contamination Control Mark 41 Outer Target (Pu) Elements
P151	Special Test Procedure - Mark 41 Outer Target Production, Special Fluoroscope Inspection
P154	Special Test Procedure - Evaluating Mark 41 PuO2 Tubes Containing High Density Spots
P155	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part II
P157	Storage of Transuranium (TRU) Waste

Tracking Number	Document Title
P158	Manual For Nuclear Materials Management And Safeguards System Reporting And Data Submission
P159	Technical Standard - Storage of Solid Radioactive Waste
P160	Management of Solid Radioactive Waste
P161	Supplemental Technical Data Summary, M-Area Groundwater Investigation
P162	Absorbing Containerized Liquids
P163	TRU Drum Repackaging
P166	Decommissioning Scoping Document. Building 321-M, Fuel Fabrication Facility
P188	Packaging Sealed Containers With Liquid Waste (U)

AK9

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:12:01617
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: December 5, 2012

FROM: M. F. Ramirez LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE WASTE STREAM PROFILE FORM FOR WASTE STREAM SR-MD-SOIL

Please accept the attached Savannah River site Waste Stream Profile Form SR-MD-SOIL, Revision 1 to be placed in records for Waste Stream # SR-MD-SOIL.

MFR:jmc

Attachment

cc: NWP

(without attachment)

R. P. Kantrowitz ED
M.W. Pearcy ED

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-MD-SOIL, Revision 1						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Beverly Schrock					(5) Technical contact phone number: 575-234-7444	
(6) Date of audit report approval by New Mexico Environment Department (NMED): May 23, 2012						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan, Revision 20, June 16, 2011; CCP-PO-002, CCP Transuranic Waste Certification Plan, Revision 26, July 14, 2011; CCP-PO-004, CCP/SRS Interface Document, Revision 31, October 1, 2012						
(8) Did your facility generate this waste?	YES		NO	X		
(9) If no, provide the name and EPA ID of the original generator: Mound Site OH6890008984						
Waste Stream Information						
(10) WIPP ID: SR-MD-SOIL					(11) Summary Category Group: S4000 – Soil/Gravel	
(12) Waste Matrix Code Group: Soils					(13) Waste Stream Name: Contaminated Soil from the Mound Site	
(14) Description from the ATWIR: Soil mixed with absorbent and some commingled debris (i.e., rock concrete, rebar and piping).						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH	X	RH			
(17) Number of SWBs: 9 (17a) Number of SLB2s: 3		(18) Number of Drums: 60 55-gallon drums			(19) Number of Canisters: NA	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers.						
(21) List applicable EPA Hazardous Waste Numbers:[1] D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007 and F009						
(22) Applicable TRUCON Content Numbers: SQ 111 / SQ 211, SR 411						
(23) **Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-8, Revision 8, October 10, 2012, Figures 1, 2, 4 and 5						
(23B) Facility mission description: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.2						
(23C) Description of operations that generate waste: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.3						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.5						
(23E) Types and quantities of waste generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 4.4.2						
(24) Waste certification procedures: CCP-TP-030, Revision 30, May 21, 2012						
(25) Required Waste Stream Information						

(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.3			
(25D) Waste Process flow diagrams: N/A,			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-8, Revision 8, October 10, 2012, Section 6.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See table entitled "Waste Stream SR-MD-SOIL Waste Material Parameters" in Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) Supplemental Documentation			
(27A) Process design documents: NA			
(27B) Standard operating procedures: See P017, P034, P041, P049, P050, P057, P073, P079, P099, P117, P124, P125, P126, P127, P128, P129 and U019 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27C) Safety Analysis Reports: See I050, P027, P036, P067 and P072 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27D) Waste packaging logs: See I005, P099 and U002 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27E) Test plans/research project reports: See C042, M061 and M062 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27F) Site databases: See I017, I020 and P096 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27G) Information from site personnel: See C003, C005, C007, C008, C010, C011, C012, C013, C016, C020, C040 and I048 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C041, C042, I005, I019, M061, M063, M064, M076, M077, P017, P073, P098 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27J) Material safety data sheets: See P095 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27K) Sampling and analysis data from comparable/surrogate Waste: See C042, M061, M062, P013, P086 and P099 in the Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL, Source Documents.			
(27L) Laboratory notebooks: NA			
Confirmation Information			
For the following, when applicable, enter procedure title(s), number(s) and date(s)			
(28)	Radiography: CCP-TP-053, Revision 12, August 22, 2012		
	Visual Examination: NA		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

This WSPF was revised to address the addition of the standard large box 2 (SLB2) payload container and associated TRUPACT-III Content Code Number SR 411 to waste stream SR-MD-SOIL. The changes to not affect the waste stream designation or assignment of Environmental Protection Agency (EPA) hazardous waste numbers, as identified in the previously approved WSPF.

Reviewed by AK Expert: YES [X] **Date:** 10/11/2012

Reviewed by STR (if necessary): YES [X] N/A [ ] **Date:** 10/15/2012

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Beverly Schrock Printed Name	10/15/12 Date

NOTE: (1) If, radiography, visual examination were used to confirm EPA Hazardous Waste Numbers, attach signed Characterization Information Summary documenting this determination.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-MD-SOIL Rev. 1

Lot 6

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 004

Solids Analysis VOC UCL_{90} Evaluation Form..... 005

Solids Analysis SVOC UCL_{90} Evaluation Form..... 007

Solids Analysis Metals UCL_{90} Evaluation Form..... 008

Solid VOCs Summary Data..... 009

Solid SVOCs Summary Data..... 010

RTR/VE Summary of Prohibited Items and AK Confirmation..... 011

Reconciliation with Data Quality Objectives..... 012

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and Reporting Characterization Data

CCP Characterization Information Summary Cover Page

Waste Stream # SR-MD-SOIL Lot #: 6

AK Expert Review: N/A Date: N/A

SPM Review: Joshua Houghton Date: 11/6/2012

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 6	03/04/08	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Solids Sampling:

INST-OI-73	Rev. 4	04/07/09	Manual Drum Coring Operations
INST-OI-16	Rev. 30	04/07/09	Drum Coring Operations

Solids Analysis:

CCP-TP-180	Rev. 2	12/29/10	CCP Analytical Sample Management
CCP-TP-183	Rev. 0	05/02/07	CCP Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
ACCM-8909	Rev. 9	01/20/05	Microwave Assisted Digestion of Homogeneous Solids and Soil/Gravel
CCP-TP-187	Rev. 1	11/18/08	CCP Sample Preparation for Semivolatile Organic Compounds
ACCM-9500	Rev. 11	12/15/05	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
ACCM-9500	Rev. 10	07/28/04	Sample Preparation for Semivolatile Organic Compounds and Polychlorinated Biphenyls
CCP-TP-185	Rev. 1	11/18/08	CCP Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 8	01/20/05	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9270	Rev. 7	07/28/04	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-184	Rev. 0	05/02/07	CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 14	12/01/05	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
ACMM-9260	Rev. 13	12/21/04	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry
CCP-TP-186	Rev. 1	08/22/07	CCP Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
ACMM-9441	Rev. 11	12/22/04	Determination of Nonhalogenated Volatile Organic Compunds by Gas Chromatography
CCP-TP-182	Rev. 1	01/26/09	CCP Determination of Metals by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 3	01/27/05	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
ACMM-2901	Rev. 2	04/07/03	Determination of Trace Elements by ICP-AES for TRU Waste Characterization
CCP-TP-181	Rev. 0	05/02/07	CCP Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 3	01/27/05	Determination of Mercury by CVAA for TRU Waste Characterization
ACMM-2810	Rev. 2	04/07/03	Determination of Mercury by CVAA for TRU Waste Characterization
CCP-TP-188	Rev. 2	12/29/10	CCP Analytical Data Recording, Review, and Reporting

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 16	04/26/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 15	11/22/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 14	11/16/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 13	07/21/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 12	05/25/06	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 11	03/23/05	Project Level Data Validation and Verification
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/30/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 19	12/22/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 18	11/16/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 17	10/10/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 16	06/06/06	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 15	08/16/05	CCP Reconciliation of DQOs and Reporting Characterization Data

CCP Characterization Information Summary Cover Page

CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 15	11/16/06	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 14	09/03/03	Sampling Design and Data Analysis for RCRA Characterization
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	06/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/05/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 30	05/21/12	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 29	04/26/11	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 28	05/12/10	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 27	12/14/09	CCP TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 26	05/27/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 25	01/22/09	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 24	08/20/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 23	03/12/08	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 22	07/24/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 21	05/21/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 20	02/07/07	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 19	11/16/06	CCP CH TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 18	05/01/06	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 17	12/29/05	CCP TRU Waste Certification and WWIS Data Entry
CCP-TP-030	Rev. 16	04/22/05	CCP TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/30/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 17	06/23/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 16	10/31/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 15	08/10/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 14	03/28/07	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 13	11/16/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 12	03/22/06	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 11	03/10/05	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 25	12/29/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 24	06/30/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 23	04/07/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 22	01/12/10	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 21	01/26/09	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 20	11/02/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 19	05/22/07	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 18	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 17	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 16	11/16/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 15	03/22/06	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 14	12/29/05	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 13	05/09/05	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 28	12/29/10	CCP/SRS Interface Document
CCP-PO-004	Rev. 27	05/22/09	CCP/SRS Interface Document
CCP-PO-004	Rev. 26	08/26/08	CCP/SRS Interface Document
CCP-PO-004	Rev. 25	05/20/08	CCP/SRS Interface Document
CCP-PO-004	Rev. 24	06/28/07	CCP/SRS Interface Document
CCP-PO-004	Rev. 23	01/31/07	CCP/SRS Interface Document
CCP-PO-004	Rev. 22	11/16/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 21	03/31/06	CCP/SRS Interface Document
CCP-PO-004	Rev. 20	11/02/05	CCP/SRS Interface Document
CCP-PO-004	Rev. 19	03/14/05	CCP/SRS Interface Document

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 6

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes
MDL0504556	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506223**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506233**	N/A	N/A	N/A	WCS-0501	ALD05023S,N,V,M	N/A
MDL0506246**	N/A	N/A	N/A	WCS-0502	ALD05018S,N,V,M	N/A
MDL0506267**	N/A	N/A	N/A	WCS-0501	ALD05024S,N,V,M	N/A
MDL0506281**	N/A	N/A	N/A	WCS-0501	ALD05021S,N,V,M	N/A
MDL0506656	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506675	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL0506692	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD11026S,N,V,M	N/A
MDL504586B	SRLBC0210	SR4RTR0108	N/A	SSC11-00008	ALD11026S,N,V,M	N/A

CCS-004

Note: This Lot was established for WSPF revision to capture the data present in the UCL_{90}. All RTR/NDA data for these containers have been accounted for in previous Lots.

** These containers were randomly selected for solids sampling and analysis and are included for the verification of hazardous waste number assignment for the waste stream only.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	4	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

CS-005

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Savannah River Site.
[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.
[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.
[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

C3S-006

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pyridine [a]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.
[b] Required only for waste matrix code S3220 (organic sludges).

GIS-007

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-003 Rev 18
Effective Date: 12/29/10
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27600	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

CES-008

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

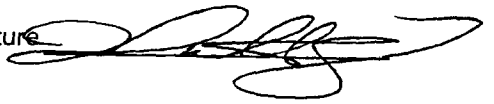
CCP Solid VOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature  Date 11/6/2012

CIS-009

CCP Solid SVOCs Summary Data

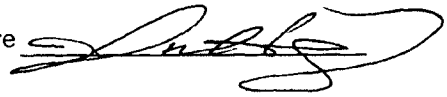
Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Diethyl Phthalate(1)	1.70	5	50.00%

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

(1) Diethyl Phalate was detected in greater than 25% of the samples. No additional sampling is expected and the TIC will be added to the Target Analyte List for this waste stream for any future sampling sets.

SPM Signature  Date 11/6/2012

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-MD-SOIL Lot #: 6

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for waste stream SR-MD-SOIL.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 11/6/2012 (Date)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

Sampling Completeness

RTR/VE:

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

NDA

Number of Valid Samples: 5 Number of Total Samples Analyzed: 5
Percent Complete: 100 (QAO is 100%)

HSG

Number of Valid Samples: NA Number of Total Samples collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total VOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total SVOC

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

Total Metals

Number of Valid Samples: 10 Number of Total Samples collected: 10
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 10 Number of Total Samples analyzed: 10
Percent Complete: 100 (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c	Y	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

WSPF# SR-MD-SOIL Rev. 1 Lot # 6

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	NA	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	NA	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	NA	NA	NA
Solids Sampling	Y	Y	Y
Solids VOCs	Y	Y	Y
Solids SVOCs	Y	Y	Y
Solids Metals	Y	Y	Y

Comments: None

Signature of Site ~~Project~~ Manager | Joshua Houghton (Printed Name) | 11/6/2012 (Date)

CIS-014

Summation of Aspects of AK Summary Report: Waste Stream SR-MD-SOIL

Overview

Waste stream SR-MD-HET consists of contact-handled transuranic (TRU) contaminated soil generated at the Mound Site and stored by the Savannah River Site (SRS). The containers in this waste stream were transferred from the Mound Site to SRS for characterization and storage between 2001 and 2005. Mound was an integrated research, development, and production facility performing work in support of both U.S. Department of Energy (DOE) weapons and energy programs. The primary mission as it relates to the generation of TRU waste was the processing of Plutonium (Pu)-238 for the fabrication of radioisotopic heat sources for space and military applications. Pu-238 production operations started in 1961 and ended by 1980. Since 1980, Mound operations have included radiochemical analysis, decontamination and decommissioning (D&D), and site remediation.

Waste Stream SR-MD-SOIL was contaminated with or generated by Mound operations in support of defense nuclear materials production and defense research and development. Therefore, this waste stream is defense related waste.

This summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-MD-SOIL, Rev. 1 for contaminated soil generated at the Mound Site. The WSPF was originally approved on September 29, 2010. The primary source of information for this Summation is CCP-AK-SRS-8, *Central Characterization Program Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C,* Revision 8, October 10, 2012.

Waste Stream Identification Summary

Wastes Stream Name:	Contaminated Soil from the Mound Site
Waste Stream Number:	SR-MD-SOIL
Dates of Waste Generation:	June 1988 – May 2005
Waste Stream Volume – Current:	60 55-gallon drums 9 standard waste boxes 3 standard large box 2s
Waste Stream Volume – Projected:	None
Summary Category Group:	S4000 – Soil/Gravel
Waste Matrix Code Group:	Soils
Waste Matrix Code:	S4200
TRUPACT-II Content Codes:	SQ 111/SQ 211
TRUPACT-III Content Code:	SR 411

Annual Transuranic Waste Inventory Report (ATWIR) Identification Number: SR-MD-SOIL

Waste Stream Description and Physical Form

Waste stream SR-MD-SOIL is comprised primarily of soil but also includes some rock, concrete, rebar, and piping (References I092 and U001). Absorbent (i.e., Florco or Petrosorb) was also added to soil containers (References P095 and U001). Mound soil is primarily glacial till ranging from gravel and sand to dense clay with clay being predominant (Reference P065).

The waste stream meets the definition of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. This waste stream was generated from the cleanup of research and processing areas and D&D/remediation of Mound facilities.

Point of Generation

Location

Waste Stream SR-MD-SOIL was generated at the Mound Site in Miamisburg, Ohio. The waste is currently stored at the SRS E-Area TRU waste storage pads in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-MD-SOIL was generated from D&D of Special Metallurgical (SM) Building, remediation of the SM West Asphalt Area, and remediation of two areas of the Waste Transfer System (WTS) underground transfer lines. One area was a segment of the WTS that ran from Semi-Works (SW) and Research (R) Buildings to Waste Disposal (WD) Building. The other area of the WTS was the hillside near WD Building where lines ran from SM and Plutonium Processing (PP) Buildings to WD Building (References P040, U001, and U018).

Generating Processes

Description of Waste Generation Processes

A brief description of the specific areas and buildings at Mound that generated TRU waste is provided below (Reference P020).

SM Building

The SM facility became operational in 1961 and was the original building used for Pu-238 processing until operations were transferred to PP Building (References M042, P036, P053, and P054).

PP Building

The PP facility (also known as Building 38) was constructed in 1967 and was used primarily for production of Pu-238 heat source capsules and Pu-238 recovery operations. The Pu-238 processing operations ended by 1980. The only TRU waste generating operations since that time were various programs in the north analytical line and building support functions (References M042, P044, and P054).

R Building

The R facility was built in 1948 and was initially used for research and development (R&D) for the polonium-210 program. The polonium program was phased out by 1971. Pu-238 research began in about 1959. Most of the Pu-238 work ended in about 1978 although a few operations continued into the 1990s. R&D work involving tritium was also conducted starting in the early 1980s (References I090, M042, and P054).

SW Building

The SW facility consisted of many laboratories used for a variety of operations. The "old cave" and "new cave" areas consisted of a number of rooms with several types of alpha and gamma radiation and project capabilities (References M042 and P054).

WD/Waste Disposal Annex (WDA) Building

The WD facility became operational in 1949 and was the central facility for the treatment of liquid radioactive wastes at Mound. The WDA was added in 1966 for the treatment of alpha waste water from SM and PP buildings. The beta waste water treatment system began in 1967 (References M042, P045, and P054).

Waste Transfer System and Hillside

The WTS includes underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. The WTS remediation included the underground pipeline that ran from SW/R to WD and the two (2) underground pipelines that ran from SM/PP to the pump house (Building 41) and then to WD through two (2) underground pipelines. The Hillside is located adjacent to WD, and is the site of a 1969 spill resulting from a ruptured pipeline (References M042, P053, and U018).

Sewage Disposal Plant

The Sewage Disposal (SD) Plant was built in 1948 to process sanitary waste. It was taken out of service in the 1970s when it became too small and was replaced by a new sanitary sewage disposal plant. The area surrounding the old SD Plant became contaminated due to the 1969 rupture of the WTS pipeline and from a waste line break near Building 48 in 1970 (References I090, M044, and P056).

D&D/Remediation Operations

Soil waste was generated during D&D operations and from several remediation projects. Areas remediated included portions of the WTS underground transfer lines that transported liquid waste from various site buildings to WD Building for treatment. In addition, contaminated areas beneath and adjacent to SM Building have also generated soil.

The WTS pipeline, which was placed into operation in 1968, carried acidic and caustic wastewater from PP Building to WD Building. During a routine transfer of plutonium nitrate solution on January 23, 1969, the pipeline ruptured leading to significant Pu-238 contamination. The rupture occurred at a corroded joint located in a section of pipe on the hillside between the pump house (Building 41) and south of WD Building. The rupture of this pipeline also caused the area surrounding the old SD facility (which was adjacent to WD Building) to become

contaminated with Pu-238. In December 1970, elevated alpha activity was observed at the SD influent tanks during routine monitoring. Subsequent search and sampling of the sanitary and process sewer lines indicated that seepage from the process lines had in fact affected the sanitary lines which were made from vitrified clay. Soil removal from this area was done in 1974 and shipped to Idaho (References I028, I033, I090, M044, P017, P018, P056, P086, and P099). Additional remediation of this area in 1988 generated the TRU soil in this waste stream (References C003, C016, M042, and U001).

Soil was also generated in 2004 and 2005 from the remediation of Potential Release Site (PRS)-438. PRS-438 was an area with contaminated soil and a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building (References M062, U001, and U018).

The area under and immediately surrounding SM Building was contaminated with Pu-238. The contamination was largely the result of activity located beneath the operations side of the building and the previous utilization of low-risk tanks outside the building (References I033 and P017). The TRU soil in this waste stream was from beneath the building floor; specifically SM-10 (References P020 and U001).

Soil was also generated in 2005 by the SM West Asphalt Project. The "West Asphalt" area is immediately adjacent and west of the SM/PP stack running west to the roadway and approximately 30 meters north. This location on the SM/PP hill is known to historically contain several radiological hot spots (References M061 and U001).

Waste Stream Material and Chemical Inputs

The following table identifies the RCRA toxicity characteristic and listed constituents identified in this waste stream.

Waste Stream SR-MD-SOIL Chemicals

Chemical	EPA Code	Use/Presence	References
Copper, gold, and sodium cyanide plating solutions	F007 F009	SD influent from plating shop	I090
Arsenic	D004	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) SD influent from plating shop	P020 P096 I090
Barium	D005	Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P096 C016, I008, M004
Cadmium	D006	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004
Chromium	D007	Listed as a trace contaminant of soil SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 I090 P020 P096 C009, I008, M004

Lead	D008	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Mercury	D009	WD influent from analytical laboratories Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) R Bldg chemical inventory (1998)	I045, P100 U003 P020 P096 C012
Selenium	D010	Listed as a trace contaminant of soil Analysis in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	U003 P020 P096 C016, I008, M004
Silver	D011	Listed as a trace contaminant of soil SD influent from photographic solution SD influent from plating shop Analysis in R Bldg R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	U003 I090 I090 P020 P096 C009, I008, M004
1,1,1-Trichloroethane	F002	Solvent extraction in R Bldg Cleaning in SW Bldg Chemical used in SM, PP, and R Bldgs	I090 P020 C016
1,1,2-Trichloroethane	F002	Unspecified uses	C016
1,1,2-Trichloro-1,2,2-trifluoroethane	F002	SD influent from plating shop Degreasing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 C019 P096 C005, C016
Chlorobenzene	F002	R Bldg chemical inventory (1996)	P096
ortho-Dichlorobenzene	F002	Chemical used in SM, PP, and R Bldgs	C016
Methylene chloride	F002	Solvent extraction in R Bldg Ultrasonic cleaning in R Bldg R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I090 P020 P096 C016
Tetrachloroethylene	F002	SD influent Solvent use in SW Chemical used in SM, PP, and R Bldgs	I090 C019 C011, C016
Trichloroethylene	F002	WD influent from SM and R SD influent from plating shop Degreasing in SM R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	I045, I090, P065 I090 C007, C010 P096 C011, C016
Acetone	F003	WD influent from SM and PP SD influent from plating shop SM for cleaning Ultrasonic cleaning in R Bldg Cleaning in SW Chemical used in SM, PP, and R Bldgs	I090, P065, P100 I090 C007, C008, I050 P020 C019, P020 C005
n-Butyl alcohol	F003	Chemical used in SM, PP, and R Bldgs	C016
Cyclohexanone	F003	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Ethyl acetate	F003	Chemical used in SM, PP, and R Bldgs	C016
Ethyl benzene	F003	Chemical used in SM, PP, and R Bldgs	C016

Ethyl ether	F003	Chemical used in SM, PP, and R Bldgs	C016
Methanol	F003	WD influent from SM and R Degreasing in SM Cleaning in SW Chemical used in SM, PP, and R Bldgs	I045, I090, P065 C010, C020 P020 C016
Methyl isobutyl ketone	F003	Chemical used in SM, PP, and R Bldgs	C016
Xylene	F003	Cleaning and polishing in SW Scintillation counting R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P020 P064 P096 C011
Nitrobenzene	F004	R Bldg chemical inventory (1998) Chemical used in SM, PP, and R Bldgs	P096 C016
2-Ethoxyethanol	F005	Chemical used in SM, PP, and R Bldgs	C016
2-Nitropropane	F005	Chemical used in SM, PP, and R Bldgs	C016
Benzene	F005	R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	P096 C011, C016
Carbon disulfide	F005	Chemical used in SM, PP, and R Bldgs	C016
Isobutanol	F005	Chemical used in SM, PP, and R Bldgs	C016
Methyl ethyl ketone	F005	Chemical used in SM, PP, and R Bldgs	C011, C016
Pyridine	F005	R Bldg chemical inventory (1996) Chemical used in SM, PP, and R Bldgs	P096 C016
Toluene	F005	Cleaning and polishing in SW R Bldg chemical inventory (1996, 1998) Chemical used in SM, PP, and R Bldgs	C019, P020 P096 C011, C016

RCRA Determinations

Historical Waste Management

Waste Stream SR-MD-SOIL has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the Ohio Environmental Protection Agency and the South Carolina Department of Health and Environmental Control. The containers in this waste stream were historically managed as non-hazardous waste. However, a review of available AK documentation has determined that this waste is hazardous and is assigned EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007, and F009. The Waste Stream SR-MD-SOIL Chemicals table summarizes the expected hazardous chemical contaminants and associated hazardous waste numbers applicable to the waste stream. The assignment of these hazardous waste numbers was based primarily on a review of the chemical inputs to the waste generating operations and hazardous materials potentially contaminating the waste stream. AK was collected from a variety of sources, including standard operating procedures, analytical data, chemical inventories, and interviews (References DR002, I001, M061, M062, and U001).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Ignitability

The materials in waste stream SR-MD-SOIL do not meet the definition of ignitability as defined in 40 Code of Federal Regulations (CFR) 261.21. Mound used ignitable liquids including

alcohols (e.g., ethanol, isopropanol, methanol) and non-chlorinated solvents (e.g., acetone, toluene). However, the material is not a liquid, an ignitable compressed gas, or an oxidizer, and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. Liquids, compressed gases, and pyrophorics are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Pyrophoric materials do not exist in Mound soils. Underground piping that leaked originated from buildings that did not contain or dispose of pyrophoric materials in the piping (Reference P065). Waste stream SR-MD-SOIL is therefore not ignitable (D001).

Corrosivity

The materials in waste stream SR-MD-SOIL do not meet the definition of corrosivity as defined in 40 CFR 261.22. Mound used acids (e.g., nitric, hydrochloric, hydrofluoric, sulfuric) and caustics (e.g., sodium hydroxide). However, liquids are prohibited by procedure and waste acceptance criteria in TRU waste (References P041, P065, P078, P105, P117, P120, P121, and U019). A study of water content of a variety of soils likely to be encountered at Mound was performed. The results of this study indicated the amount of Florco absorbent required to absorb any liquid created by packing compression (Reference P065). Also, the acid from the pipe rupture was neutralized by the soil carbonates (Reference P013). RTR and/or VE are performed to ensure liquids do not exceed the amount allowed by WIPP. Any container identified with liquids in excess of the amount allowed will be segregated from the waste stream during characterization and will not be eligible for disposal at WIPP until further characterization and/or processing is conducted. Waste stream SR-MD-SOIL is therefore not corrosive (D002).

Reactivity

The materials in waste stream SR-MD-SOIL do not meet the definition of reactivity as defined in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The waste does not contain sulfides. The materials are not capable of detonation or explosive reaction. Explosives have not been identified in this waste stream, and procedures and waste acceptance criteria prohibit the disposal of explosives in TRU waste (References I010, P041, P065, P078, P105, P117, P120, P121, and U019). Waste stream SR-MD-SOIL is therefore not reactive (D003).

Calcium metal was used in the 1960s to reduce plutonium tetrafluoride to metal. After the reduction process, the Pu-238 metal was broken away from the slag, and the metal was cleaned with a brush to remove adherent slag and calcium metal. The slag and calcium metal were sent to plutonium recovery, and therefore, will not be in this waste stream (Reference I090).

Cyanides were contained in aqueous liquids treated in SD and WD Buildings and residual cyanides could therefore be present in the soil. However, residual cyanides would not cause the soil to exhibit the characteristic of reactivity (References I045, I090, and P100).

Toxicity Characteristic

Waste stream SR-MD-SOIL exhibits the characteristics of toxicity for metals as defined in 40 CFR 261.24. The toxicity characteristic metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver may be present in trace quantities in soil.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil samples (29) were analyzed for total metals. Several RCRA regulated metals were detected in small quantities (barium at 210 parts per million [ppm] was the highest concentration) but none above the regulatory level. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for metals by the Toxicity Characteristic Leaching Procedure (TCLP). Several RCRA regulated metals were detected in small quantities (barium at 3,960 micrograms per liter was the highest concentration) but none above the regulatory level (Reference M061).

Even though the analytical results indicate the metal concentrations are less than their respective regulatory levels, the above data do not represent the entire population of soil (References M061 and M062). In addition, the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). For these reasons, EPA hazardous waste numbers D004, D005, D006, D007, D008, D009, D010, and D011 are applied to waste stream SR-MD-SOIL (Reference DR002).

Waste stream SR-MD-SOIL does not exhibit the characteristic of toxicity for organic compounds as defined in 40 CFR 261.24. The toxicity characteristic organics benzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene may be present in the soil. However, these compounds are known (or in some cases assumed) to have been used for their solvent properties, and therefore, the more specific F-listed hazardous waste numbers are assigned. Consequently, D018 (benzene), D035 (methyl ethyl ketone), D036 (nitrobenzene), D038 (pyridine), D039 (tetrachloroethylene), and D040 (trichloroethylene) are not assigned to the waste stream (Reference DR002).

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Methyl ethyl ketone was the only toxicity characteristic organic detected with the highest concentration being 69 micrograms per kilogram. Benzene, tetrachloroethylene, and trichloroethylene were not detected in any of the samples. Other toxicity characteristic organics were not analyzed. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter.

Nearly every toxicity characteristic organic was analyzed for, and no other constituents were detected (Reference M061).

Although every toxicity characteristic organic compound was not analyzed for and the above analytical data do not represent the entire population of soil, the same approach was not used for the assignment of toxicity characteristic organic hazardous waste numbers as was done for the toxic metals. This is because the soil waste is primarily the result of contamination from aqueous liquids which could contain inorganic constituents (e.g., toxic metals). Pure organic compounds were not treated in the SD or WD facilities and are not expected to be present above regulatory levels (References I090, M042, M044, P045, P054, and P056). Therefore, waste stream SR-MD-SOIL is not assigned toxicity characteristic organic EPA hazardous waste numbers.

Listed Waste

F-Listed Waste

Waste stream SR-MD-SOIL may contain or be mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31. Aqueous solutions containing trace quantities of organic solvents from R, SW, SM and/or PP Buildings were treated in WD Building. Several aqueous solutions containing trace quantities of organic solvents were also treated in the old SD facility. This waste stream includes soil from under and west of SM Building and from remediation of underground liquid waste transfer lines north and south of SD Building and WD Building and is therefore potentially contaminated with these liquids. Although the waste is not ignitable, F003 has historically been assigned to SRS waste streams including SR-MD-SOIL. EPA hazardous waste numbers F002, F003, F004, and F005 are therefore assigned to waste stream SR-MD-SOIL (Reference DR002).

Spent plating bath solutions and spent stripping and cleaning bath solutions from electroplating operations where cyanides were used from the plating shop were treated in SD Building. There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. Therefore, EPA hazardous waste numbers F007 and F009 are assigned to waste stream SR-MD-SOIL (Reference DR002).

Although 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, and trichloroethylene are also F001-listed solvents, this assignment is only appropriate when these solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. This waste was not generated as a result of large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. While there was no evidence of volatile organics in previous samplings, organic solvents were used in the R and SW buildings. For this reason, field screening was performed for indications of volatile organics. The field screening was positive for four samples. These four samples were forwarded to the laboratory for total organic constituent analysis. Several organic solvents were detected in small quantities (210 parts-per-billion was the highest concentration) including ortho-dichlorobenzene (1 detect), methylene chloride (4 detects), acetone (4 detects), methyl ethyl ketone (3 detects), and toluene (3 detects). These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream (Reference M062).

Soil samples were also collected at 25 locations on a 10-meter grid at the SM West Asphalt Area and analyzed for volatile and semi-volatile organics by the TCLP. Tetrachloroethylene was detected in five of the samples with a maximum concentration of 13 micrograms per liter. No other constituents were detected (Reference M061).

Several of the organic solvents listed were not analyzed for, and the above analytical data do not represent the entire population of soil. For this reason, those organic constituents are assumed to be present as spent solvent contaminants of the soil (References M061 and M062).

K-Listed Waste

This waste stream does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32.

P- and U-Listed Waste

Waste stream SR-MD-SOIL is not a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. Numerous U- and P-listed chemicals were identified in Mound facilities; however, none of the AK documentation reviewed indicates that pure product or unused chemicals were placed into TRU waste.

The organic solvents were in spent aqueous solutions discharged through the WTS for treatment which does not meet the definition of a U-listed waste. In addition, hydrofluoric acid was used in analytical laboratories and in the plating shop. The hydrofluoric acid from these operations was used for its intended purpose prior to being discharged through the WTS for treatment and will not be present in the soil as unused product. Therefore, this waste stream SR-MD-SOIL is not a U134-listed waste (References I090 and P100). Beryllium was not specifically identified in this waste stream. Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. The soil cores were divided into aliquots for analysis, including 29 analyzed for beryllium. Most of the samples contained extremely small amounts of beryllium ranging from 0.54 to 1.4 ppm. However, the beryllium contamination in this waste does not meet the definition of a P-listed waste (Reference M062). Therefore, this waste stream is not assigned U- or P-Listed EPA hazardous waste numbers.

Polychlorinated Biphenyls

The soil and debris materials in waste stream SR-MD-SOIL are not regulated as a Toxic Substances Control Act (TSCA) waste under 40 CFR 761 because no sources of PCBs have been identified in this waste stream.

Soil cores were extracted from several sampling points around SW Building prior to remediation of the area. These data are directly applicable to the soil from PRS-438 which accounts for the majority of this waste stream. The soil samples (29) were analyzed for nine different Aroclors as well as decachlorobiphenyl. The Aroclors were all below the 50 microgram per kilogram detection limit, and the maximum concentration of decachlorobiphenyl was 183 micrograms per kilogram. Since the TSCA regulatory level is 50 ppm (milligrams per kilogram), this soil is not regulated as PCB waste (Reference M062).

Prohibited Items

Prohibited items were not identified in this waste stream on the container paperwork (Reference U001). Historical RTR observed small amounts of liquids (non-prohibited quantities), which originated from spraying water to suppress dust before waste container packaging (Reference DR007, M064, and U019). However, characterization activities have identified prohibited quantities of liquid. Therefore, containers with prohibited waste items identified during characterization activities will be segregated and/or repackaged to remove the items prior to certification and shipment (References P124, P126, and P127).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The following waste material parameters are associated with waste stream SR-MD-SOIL. This information is based on specific waste items identified in packaging procedures, standard operating procedures, and waste disposal forms (References I092 and U001).

To estimate the waste material parameter weight percentages for waste stream SR MD SOIL, data were obtained from the 29-90 forms. SRS observed the packaging of the waste at Mound and estimated the material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for 19 containers from waste stream SR-MD-SOIL were evaluated.

A statistical analysis of the 29-90 data was performed, the results of which are presented in the Waste Stream SR-MD-SOIL Waste Material Parameters table.

Waste Stream SR-MD-SOIL Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range		
Iron-based Metals/Alloys	3.3%	0	–	21.3%
Aluminum-based Metals/Alloys	0.0%	0	–	0.0%
Other Metals	0.0%	0	–	0.0%
Other Inorganic Materials[1]	1.9%	0		9.5%
Cellulosics	0.0%	0	–	0.0%
Rubber	0.0%	0	–	0.0%
Plastics	0.1%	0	–	6.4%
Organic Matrix[1]	0.0%	0	–	0.0%
Inorganic Matrix	0.0%	0	–	0.0%
Soils/Gravel	94.7%	75.3	–	100%

[1]Review of the 29-90 forms has determined that inorganic absorbent has been listed incorrectly as organic. Therefore, the original waste material parameter evaluation has been updated.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

To determine isotopic ratios for waste stream SR-MD-SOIL as a whole, the total gram value for each individual radionuclide was divided by the total mass of all radioactive constituents in the waste stream and converted to a percentage. To determine the radionuclide weight percent range for individual containers, the radiological mass in each container in the waste stream was summed. The mass of each individual radionuclide in a container was divided by the total radiological mass for that container and converted to a percentage. The minimum and maximum results are listed as "Radionuclide Wt% Range for Individual Containers." The same process was applied to determine "Total Radionuclide Ci%" and "Radionuclide Ci% Range for Individual Containers."

As shown in the Waste Stream SR-MD-SOIL Radiological Characterization table, Pu-239 is the most predominant radionuclide by mass, and Pu-238 is the second most predominant radionuclide by mass (References DR005, DR015, I020, I092, M077, M078, M079, and U001).

Waste Stream SR-MD-SOIL Radiological Characterization

Radionuclide	Total Radionuclide Weight%[1]	Total Radionuclide Curie%[2]	Radionuclide Wt% Range for Individual Containers[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP Required Radionuclides					
Am-241	1.29%	0.92%	Trace – 22.13%	Trace – 11.94%	Yes
Pu-238	**27.54%**	97.64%	2.11 – 99.99%	66.80– 99.99%	Yes
Pu-239	**60.80%**	0.78%	0 – 96.20%	0 – 13.54%	Yes
Pu-240	0.24%	0.01%	0 – 5.83%	0 – 1.73%	Yes
Pu-242	0.04%	Trace[5]	0 – 0.80%	0 – Trace	Yes
U-233	Not Reported[6]	Not Reported	Not Reported	Not Reported	Yes
U-234	7.12%	0.01%	0 – 32.65%	0 – 0.02%	Yes
U-238	Not Reported	Not Reported	Not Reported	Not Reported	Yes
Sr-90	Trace	Trace	0 – Trace	0 – Trace	Yes
Cs-137	Trace	0.08%	0 – 1.97%	0 – 9.28%	Yes
Additional Reported Radionuclides					
Bi-214	Trace	Trace	Trace	Trace	Yes
Co-60	Trace	Trace	Trace	0 – Trace	Yes
Np-237	2.94%	Trace	0 – 24.89%	0 – Trace	Yes
K-40	Trace	Trace	Trace	Trace	Yes
Pb-212	Trace	Trace	Trace	Trace	Yes
Pb-214	Trace	Trace	Trace	Trace	Yes
Pu-241	0.03%	0.56%	0 – 0.46%	0 – 21.83%	Yes
Other Radionuclides Not Reported in Soil Assay but May Be Present in Trace Amounts[7]					
Ac-227	H-3	Pa-231	Pb-210	Ra-226	Ra-228
Th-228	Th-229	Th-230	Th-232	Ac-228	Ba-133
Bi-212	Bi-213	Cf-252	Cm-244	Cs-134	Eu-152
Eu-154	Fr-221	Ho-166m	Na-22	Pa-233	Pb-206
Pb-211	Po-209	Po-210	Pu-236	Ra-223	Ra-226
Rn-219	Sb-125	Th-227	Th-234	Tl-208	U-232
U-235	U-237	Y-90			

1. This listing indicates the total wt% of each radionuclide over the entire waste stream.
2. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
3. This listing is the wt% range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 percent for that radionuclide.
6. "Not Reported" indicates that an activity value for that radionuclide was not reported in assay results but is suspected present in the waste stream.
7. These radionuclides were not reported in assay data for soil but were historically processed at Mound and/or were detected in assay of debris waste, and therefore, may be present in this waste stream. Only trace amounts are assumed to be present in the waste stream.

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Number	Title
C003	Interview with Bill Franz
C005	Interview/Dan Hopkins
C006	Interview/Dick Blauvelt
C007	Interview with Dr. Bernie Kokenge
C008	Interview with Toby Elswick
C009	Interview with Paul Figgins
C010	Interview/Clyde Chong
C011	Interview/Ron Goss
C012	Interview/Bill Davis
C013	Interview/Al Combs
C016	Interview/Ron Saun
C019	Interview/Mike Deaton
C020	Record of Communication Don Luthey
C022	Justification for Pu-238 Programs
C024	List of different types of containers
C040	E-mails from C. Sienkiewicz to J. Harrison, Re: Mound Soil and Soil Packaging Questions
C041	Rockwell International Letter from J. K. Paynter to B. C. Barrett. Subject: Radionuclide Information Required For TRUPACT II Shipments
C042	Letters to Thomas L. Clements, EG&G Idaho from R.N. Rogers, LANL, Re: Reactivity of Resins (nitrated)
C043	Email from Jeff Harrison to Felicia Hinojos re: SRS-8 Freeze File – SR-MD-SOIL Layers of Confinement
C044	E-mail to Mike Papp: Subject Packaging Procedures: Repackaging plans for TRU waste described in CCP-AK-SRS-8
C046	Reconciliation of Waste Containers List for Waste Streams SR-MD-HET, SR-MD-HOM-A, SR-MD-HET, and SR-MD-SOIL
DR001	Discrepancy Resolution: Heterogeneous Debris
DR002	Discrepancy Resolution for Soils/Debris
DR003	Discrepancy Resolution: Inorganic Absorbents
DR005	Discrepancy Resolution. Radionuclides in Mound Waste Streams
DR006	Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET
DR007	Discrepancy Resolution. Drums in Waste Stream SR-MD-SOIL Containing Residual Liquids
DR008	Discrepancy Resolution with EPA Codes for of Waste Stream SR-MD-HOM-C
DR009	Acceptable Knowledge Source Document Discrepancy Resolution. MDL021377 Compacted Waste
DR010	Acceptable Knowledge Source Document Discrepancy Resolution. Drums Not S5000
DR015	Acceptable Knowledge Source Document Discrepancy Resolution Reassignment of Predominant Radionuclides for SR-MD-SOIL
DR017	Acceptable Knowledge Source Document Discrepancy Resolution - Waste Stream SR-MD-HOM-C Radiological Characterization
I001	Transuranic Waste Baseline Inventory Report 1995
I003	Milliwatt Surveillance Program Ensures RTG Safety and Reliability. The Actinide Research Quarterly.
I005	Waste Exam Log for RTR Tapes
I007	O.U.9 Site Scoping Report
I008	Drum Container Tables

Source Document Number	Title
I010	TRAMPAC Requirement Matrix by Drum
I011	EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code
I017	List of Drums /Date/Source/Operation/Misc./By
I018	Draft Mound Compliance with TRUPACT II
I019	Waste Characterization Services Report
I020	Spreadsheets of Waste from SRS Bill Nauman and Glen Siry
I021	Completion of Mound "Newly Generated Waste" TRU Waste Certification Program Evaluation
I023	Criticality Safety Evaluation for Mound RTG Storage DRAFT
I026	Predecisional Draft for the Semi-Works/Research (SW/R) Tritium Complex
I028	CERCLIS Memo
I030	Mound Lab Annual Report
I031	Plutonium Working Group Report on Environmental, Safety and Health Vulnerabilities Associated with the Departments Plutonium Storage Vol.2-App.B-Part 7
I032	Mound Heat Source
I033	Investigation Report No.74-13 Plutonium Off-site
I036	Mound Laboratory
I039	Transportation/Communication Plan 11/28/00 TRU Waste Shipment to SRS.
I042	Transmittal of Mound Waste Box Evaluation
I043	Mound Laboratory Fact Book
I044	Pu-238 Fuel Data Sheets
I045	TRU Waste Certification Task Sludge From the Waste Disposal Plant
I048	Regulatory Requirements Associated with Transfer of Mound's Transuranic Waste to Another DOE Site
I050	Support to DOE Mound- Building 38 Safety Analysis Report (SAR) and Technical Requirements (TSRs)
I057	R. M. Munson Memo to R.A. Neff of 2-1-85/Ohio EPA Proposed Law Suit
I063	On Site Handling, Repackaging, and Transportation of Nuclear Materials Located In SW-19 and R-127 (UCNI)
I066	Mound Transuranic Waste Feasibility Study
I067	Verification Methods Matrix
I070	Mound Site TRU Waste Data Preliminary TRUPACT II Transportation Compliance Evaluation
I072	1 S SRS Waste Acceptance Criteria Manual
I074	Container Approval Requests and Deviations for Shipments
I081	Material Type Codes
I082	Tables of TRU waste packages
I083	A-Line gloveboxes - Summary of characterization data
I084	Waste Category - TRU Boxes
I086	TRU Waste Box 558
I090	Operable Unit 9, Site Scoping Report: Volume 7 – Waste Management
I092	Go West Data Base From SRS
M001	Mound Site [Miamisburg] - United States Nuclear Forces Web Site-www.globalsecurity.org/wmd/facility/mound.htm
M002	Chemical Compatibility and Material List Data Requirements for TRUPACTII Authorized Payload Compliance Plan
M003	TRUPACT-II Shipment of Mound Pu-239 Material
M004	"Summary Report on Mound Boxes," E-mail to KellyCR@wipp.carlsbad.nm.us [Clint Kelley]
M006	Memo From DOE Ohio Field Office to EPA-Mr. Tony Martig, Re: PCBs in Oil

Source Document Number	Title
M012	Facsimile Transmittal to Glenn Siry, Re: Mound Facility-Background Volume STP FY00 Update
M014	Interview Notes
M015	Letter to R. L Wainwright, Area Manager, U. S. AEC, Re: Program to Reduce the Generation of Transuranium (TRU) Contaminated Solid Waste
M016	Letter to J.L. Hebb, Re: Status of Pu Waste and TRU Implementation
M017	E-mail to HERTFR@doe-md.gov, Re: Emailing: space-desc [Office of Space and Defense Power System]
M018	Letter to W.W. Hickman, Waste Management Manager, Aerojet Nuclear Co., Re: Shipment of Mound Laboratory's TRU Waste to the NRTS for Retrievable Storage
M025	Notes from a draft document [title not given]
M027	Mound Laboratory-Classified Document, Summary ADC Unclassified 4/1/03, Defense Processes at Mound
M029	Memo to W.P. Davis and T.C. Elswick, Re: SAND Boxes
M031	List of sources of TRU waste from Main-Hill Tritium (MHT) project
M034	Memo on 3 subjects 1) Use of Insta-Foam Froth Pak, 2) Equipment Removal, 3) Use of the Cardboard Liner in the FRP Box
M036	Specification Drum 55 gal. DOT-17C
M037	Change Notice of Offsite Packaging Criteria (IDO-10074) for Revised Metal Container Painting Requirements-RHB-263-81
M038	Specification- Drum 30 gal. DOT-17H, WMP-572005
M039	Specification-Container, Waste: DOT 7A Steel Box (MIII Bin), WMP-572010
M040	Letter to D.A. Edling, Re: "Idaho TRU Waste Criteria" with attached Letter to H.N. Hill and D. Ofte, Area Manages, DOE Dayton and Rocky Flat Area Offices, Re: "Revision of the Off-Site Packaging Criteria for Receipt of TRU Waste at the INEL RWMC
M041	Letter to R. K. Blauvelt, Re: "Change Notice of Offsite Packaging Criteria Report IDO-10074-RMS-61-81" and attached "Specification Sponge Rubber Gasket DOT 17C 55-Gallon Drum"
M042	Current Scope of Activities at Mound (a presentation)
M043	Letter to B.G. Twinning, Manager, AL, Re: Mound TRU Waste Shipments to INEL
M044	E-mail to DOE_OH.MOUND.Church Ronald, Re: Process Knowledge for Old SD Project
M052	E-mail to COLVRL, Re: Contaminated Precious Metals
M054	Letter to J.P. Hamric, Director, Nuclear Fuel Cycle Div. ID, Re: Packaging Criteria for TRU Waste Shipments to INEL
M055	Memorandum to D. Agnew, et. al., Re: WTS Line Removal Problems/Suggestions
M059	Mound MDL Numbers
M060	Request for Deviation to SRS Waste Acceptance Criteria Manual
M061	Sample and Analysis Plan-West Asphalt (SM/PP Hill) and Additional Documentation (See Document Summary for Additional Documentation Titles)
M062	R and SW Buildings Sampling & Analysis Plan, and Additional Documentation (See Document Summary for Additional Document Titles)
M063	Straight Bill of Lading. Shipper: U.S. DOE, c/o CH2M Hill Mound, Inc.
M064	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL
M065	Evaluation of Additional Containers for SRS-8 Waste Stream SR-MD-HET (Mound)
M076	Waste Stream Profile Form for IN-W174.1082, IN-W174.154, IN-W177.1083, IN-W177.156
M077	NDA Weight Percent Data Through Lot 3, SR-MD-SOIL
M078	Mound Radiological Data Dump from the SRS GoWest Database dated 07/08/2005
M079	Radiological Re-evaluation Data Analysis for SR-MD-SOIL

Source Document Number	Title
M080	Discrepancy Report D047A - Assessment Of Hazardous Waste Numbers Assigned To BN304 Waste Stream Profile, Mound Debris Stream
P001	Alpha Fuels Environmental Test Facility (Day 59)
P013	Assessment of the AWC TRU Clean Process for use on Mound Soils and Sediments
P015	Tools for Decontamination and Decommissioning of Nuclear Facilities
P016	Mound's Decommissioning Experience, Tooling, and Techniques
P017	The Mound Site Survey Project for the Characterization of Radioactive Materials in the Site Soils
P018	Reinvestigation of the January 1969 Plutonium-238 Waste Transfer Line Break
P020	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste
P021	Separation and Purification of Radioisotopes for Research
P023	Mound Facility Physical Characterization
P027	EG&G Mound Building 38 Accident Analysis of Internal (Operational) Events (Results and Findings)
P028	Mound Building 38 FSAR: Pu-239 Repackaging, Phase 1
P029	Building 50 Radioisotopic Thermoelectric Generator Assembly and Testing Facility Final Safety Analysis Report
P030	SW/R Complex Basis for Interim Operations
P034	Estimated Discard Limits for Plutonium-238 Recovery Processing in the Plutonium Processing Building
P036	Hazard Evaluation of the Special Metallurgical (SM) Building at Mound Laboratory
P037	Building WDA, Room 10 Glovebox Removal Wall Removal, Characterization, and Cleanup
P040	Executive Summary of TRU Waste at Mound
P041	Technical Manual. TRU Waste Management
P044	FSAR Building 38 *******UCNI*******
P045	Waste Disposal Facility Auditable Safety Analysis
P048	Vent TRU Drums in CWPF
P049	TRU Drum Venting Fact Sheet and TRU Drum Venting System Pre-Operational Process Hazards Review
P050	TRU Waste Drum Venting and Purging System
P051	The Use of Urethane Foam in the Decontamination and Decommissioning of Nuclear Facilities
P053	Ten Year Plan for Decontamination and Decommissioning for Mound
P054	Mound Site Radionuclides by Location Issue 1-3
P055	A Summary Review of Mound Laboratories Experience in D&D of Radioactive Facilities
P056	Decontamination and Decommissioning Projects Findings of No Significant Impact
P057	D&D Operations Procedures
P058	Mound Site Waste Management Reports and Site Plans 1977-1980
P061	Siting Criteria Document
P063	Mound Site Waste Management Reports and Site Plans 1972 to 1976
P064	Mound Site Waste Management Reports and Site Plans 1981 to 1989
P065	Mound WIPP Certification Program for Newly Generated Contact Handled (CH) Transuranic Waste
P066	Maps Site Plans
P067	Revised U-233 Re-Pack Project
P070	Mound Laboratory Annual Report CY 1974
P072	Final Safety Analysis Report for the SW/R Tritium Complex
P073	On Site Transportation and Handling of Radioactive and Hazardous Materials
P076	USERS Handbook: Waste Accountability Shipping and Packaging (issue 14 is inactive).
P078	Mound Plant Waste Acceptance Criteria

Source Document Number	Title
P079	Management of Hazardous Waste, Radioactive Mixed Waste, Trash and Recyclable Metals
P081	Approved Site Treatment Plan for Mixed Wastes at the Mound Facility
P086	Mound Laboratory Environmental Plutonium Study
P095	List and directory of chemicals and MSDS sheets
P096	1996 and 1998 Chemical Inventory and 1991 Carcinogen list
P097	An Early History of U.S. Radioisotope Thermoelectric Generators
P098	Verification Reports
P099	WD Soil Removal Project
P100	Mound Quality Control Plan for the Control of Radioactive Waste
P105	Revision of the Off-Site Packaging Criteria for Receipt of Transuranic Waste at the INEL RWMC
P109	US Department of Transportation Exemption for the ATMX Railcar
P111	Site Treatment Plan for the Mixed Wastes at the Mound Facility Miamisburg, Ohio, Background and Plan Volumes
P115	1st 8 Shipments of Uniform Hazardous Waste Manifest
P116	Nuclear Power in Space
P117	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Boxes
P120	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Drums
P121	SRS Waste Acceptance Criteria Manual, 1S, E-Area TRU Pads Transuranic Waste Acceptance Criteria
P122	Acceptable Knowledge Summary for Solidified Acid/Caustic Waste (BN835)
P123	Acceptable Knowledge Document for INL Stored Transuranic Waste – Mound Plant Waste
P124	Absorbing Containerized Liquids
P125	Shipment Preparation for TRU Containers to SWMF
P126	Absorbing Containerized Liquids
P127	Transuranic (TRU) Waste Repackaging in H-Canyon
P128	F Canyon Container Transfer
P129	Standard Waste Box Operations
U001	2990 Information on Shipments to SRS
U002	Trash Categories/Content Codes and Waste Categories
U003	List of Chemicals and Materials in TRU Waste Content Codes
U007	Content Code Assessments for INEL Contact Handled Stored TRU Waste
U015	Memorandum to E.L. Albenesius, Re: Description of Mound and LASL Sold ^{238}Pu Waste Stored at SRP
U018	UGL Action Memo-Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building
U019	Waste Management Instruction-Packaging of Highly Contaminated Soil from PRS 438
U020	2990 Information for Additional Containers

Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-RH-SDD.01						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC18900008989	
(4) Technical contact: Laura Nelson					(5) Technical contact phone number: 303-843-2269	
(6) Date of audit report approval by New Mexico Environment Department (NMED):						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001 *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Revision 21, May 31, 2013 CCP-PO-002 *CCP Transuranic Waste Certification Plan,* Revision 27, May 31, 2013 CCP-PO-004, *CCP/SRS Interface Document,* Revision 34, August 29, 2013 CCP-AK-SRS-630, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste Waste Stream SR-RH-SDD.01*, Revision 1, September 26, 2013						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-RH-SDD.01					(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste					(13) Waste Stream Name: SR-RH-SDD.01 Need Summation of Aspects	
(14) Description from the ATWIR: This waste stream is comprised exclusively of three plutonium-beryllium neutron sources.[1]						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH		RH	X		
(17) Number of SWBs NA (17a) Number of SLB2 NA	(18) Number of Drums NA				(19) Number of Canisters 1[2]	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: None						
(22) Applicable TRUCON Content Numbers: SR320						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-630 Revision 1, September 26, 2013, Figures 1 and 2						
(23B) Facility mission description: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.7						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.3						
(23E) Types and quantities of waste generated: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.6.2						
(24) Waste certification procedures: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.8						

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(25) **Required Waste Stream Information**			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 4.7			
(25D) Waste Process flow diagrams: NA			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-630 Revision 1, September 26, 2013, Section 5.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste See Table entitled "Waste Stream SR-RH-SDD.01 Waste Material Parameters" of the Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) **Supplemental Documentation**:			
(27A) Process design documents: See P001 in Summation of Aspects of AK Summary Waste Stream Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27B) Standard operating procedures: See P002 and P003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27C) Safety Analysis Reports: NA			
(27D) Waste packaging logs: See U001 and U002 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27E) Test plans/research project reports: See P001 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27F) Site databases: See U003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27G) Information from site personnel: See C001 and C002 in Summation of Aspects of AK Summary Report : Waste Stream SR-Rh-SDD.01, Source Documents			
(27H) Standard industry documents: NA			
(27I) Previous analytical data: See C001 and U003 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-SDD.01, Source Documents			
(27J) Material safety data sheets: NA			
(27K) Sampling and analysis data from comparable/surrogate Waste: NA			
(27L) Laboratory notebooks: NA			
Confirmation Information			
Attachment 2 – CCP Waste Stream Profile Form (Continued)			
(28)	Radiography: NA		
	Visual Examination: CCP-TP-163 *CCP Evaluation of Waste Packaging Records for Visual Examination of Records* Revision 4 June 18, 2013 CCP-TP-500 *CCP Remote-Handled Waste Visual Examination* Revision 11 April 21, 2011		

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.
Reviewed by AK Expert: YES ☐ Date:_____ **Reviewed by STR (if necessary):** YES ☐ N/A ☒ Date:_____
Waste Stream Profile Form Certification:
I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.
Signature of Site Project Manager _____ Printed Name _____ Date _____

Notes:

1. The waste stream description was taken from Section 2.0 of CCP-AK-SRS-630 Rev. 1 because the waste stream is not in the latest revision of the ATWIR.
2. This waste stream consists of 2 15 gallon drums and 1 16 gallon drum and will be shipped to WIPP using a NS-15 neutron shielded canister in a 72B cask.

DIVIDER PAGE

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-RH-SDD.01

Lot 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

RTR/VE Summary of Prohibited Items and AK Confirmation..... 004

Reconciliation with Data Quality Objectives..... 005

CCP Characterization Information Summary Cover Page

Waste Stream # SR-RH-SDD.01 Lot #: 1

AK Expert Review: Kevin Peters Date:

SPM Review: Laura Nelson Date:

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Visual Examination (VE)

CCP-TP-500	Rev. 12	07/18/13	CCP Remote Handled Waste Visual Examination

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 21	06/06/13	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 26	06/19/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-005	Rev. 26	08/12/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 25	06/19/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-530	Rev. 11	06/19/13	CCP RH TRU Waste Certification and WWIS Data Entry
CCP-TP-530	Rev. 10	04/25/11	CCP RH TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 21	05/31/13	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-004	Rev. 34	08/29/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 33	06/19/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/TRU Waste Processing Center/SRS Interface Document

WAC Certification:

CCP-PO-002	Rev. 27	05/31/13	CCP Transuranic Waste Certification Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-SDD.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SDD076307	NA	NA	NA	SRSRHVE13001	
SDD076309	NA	NA	NA	SRSRHVE13001	
SDD076308	NA	NA	NA	SRSRHVE13001	

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-SDD.01 Lot #: 1

Container Number	RTR Prohibited Items [ab]	Visual Examination Prohibited Items [ab]	Does the Physical Form of the Waste
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	RTR was not used to certify any containers in this lot.	None of the containers in this Lot had prohibited items identified during Visual Examination technique.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-SDD.01			

Site Project Manager Signature

Laura Nelson
Printed Name Date

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-SDD.01 Lot # 1

Sampling Completeness

VE
Number of Valid Samples: 3 Number of Total Samples Analyzed: 3
Percent Complete: NA (QAO is 100%)

RTR
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: 100 (QAO is 100%)

NDA
Number of valid samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is 100%)

	Y/N/NA	Reconcilliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
7	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
8	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
9		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	NA	NA	NA
VE	Y	Y	Y

Comments: N/A

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

DIVIDER PAGE

SUMMATION OF ASPECTS OF AK SUMMARY REPORT: WASTE STREAM SR-RH-SDD.01

Overview:

Waste stream SR-RH-SDD.001 consists of Remote Handled (RH) transuranic (TRU) plutonium-beryllium neutron sources generated from the Building 777-10A Physics Laboratory at the Savannah River Site (SRS). The mission of the Physics Laboratory was to house experimental research reactors used to support the development of the technology used during the production of nuclear materials (tritium and plutonium) by the SRS production reactors.

SRS was an integral part of the DOE weapons complex between 1942 and 1992. The subject sources were used to support three research/test reactors in the Physics Laboratory during this period. The Physics Laboratory and sources provided a means to study in detail the operation and performance of production type reactors with easy access and full safety for personnel. The sources were an essential part of the research phase for DOE and the production of nuclear weapons during the Cold War era (Reference C002). TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one of the atomic energy defense activities listed in 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982* (NWPA). The neutron sources used in Physics Laboratory operations directly supported defense nuclear materials productions (tritium and plutonium production) and defense research and development (production reactor technology development) (References C002, P001, P002, and U002).

This Summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-RH-SDD.01, Rev. 0 for mixed heterogeneous debris waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-630, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site Physics Laboratory Sealed Sources, Waste Stream: SR-RH-SDD.01*, Revision 1, dated September 26, 2013.

Waste Stream Identification Summary:

Waste Stream Name:	Building 777-10A Physics Laboratory Neutron Sources
Waste Stream Number:	SR-RH-SDD.01
Dates of Waste Generation:	Removed from Building 777-10A in 2002
Waste Stream Volume – Current	2 15-gallon drums 1 16-gallon drums
Waste Stream Volume – Projected	None
Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400
RH TRU Waste Content Codes:	SR 320
Annual Transuranic Waste Inventory Report Identification Number:	SR-RH-SDD.01

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Waste Stream Description and Physical Form:

Waste stream SR-RH-SDD.01 is comprised exclusively of three plutonium-beryllium neutron sources in stainless steel special form capsules (SFCs) packaged in 15- and 16-gallon cans with wood bracing. The plutonium-beryllium source material in each source is contained in a sealed inner stainless steel capsule inside an outer sealed stainless steel capsule. This capsule was placed into an aluminum sleeve/holder tube. The sources have been placed into stainless steel SFCs designed and constructed specifically for these larger neutron sources (References U001 and U002).

Waste Stream SR-RH-SDD.01 meets the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) and the *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) waste stream definitions. The waste is similar in material, physical form, hazardous constituents (no hazardous constituents), and radiological properties (plutonium-beryllium neutron sources) and generated from a single process or activity (Physics Laboratory production reactor research).

Point of Generation:

Location

Waste stream SR-RH-SDD.01 was generated at the Savannah River Site in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-RH-SDD.01 was generated at the Building 777-10A Physics Laboratory.

Generating Processes:

Description of Waste Generating Processes

The experimental reactors in the Physics Laboratory played an important role in the operation of heavy water moderated production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December of 1953. In the summer and fall of 1953, the experimental reactors in the Physics Laboratory were essential for the study of the Savannah River production reactor design and operation, as well as for the calibration of various standards and monitoring devices required by the reactors. Even though this was the most important of the many uses of Physics Laboratory over the years, the building and its experimental reactors were associated with almost every major aspect of the use and improvements made to the Savannah River production reactors, from 1953 until the basic perfection of the production process in the 1970s (Reference P001).

For most of its existence, the Physics Laboratory was controlled and operated by the Savannah River Laboratory, which oversaw the physics required in the operation and improvements to the production reactors. For this reason, the Physics Laboratory was identified as 777-M, reflecting its ties to both the 700-Area and M-Area, dedicated to manufacturing fuel and target elements. This designation suggests the uniqueness of the building and its function. In fact, the building kept this designation until the early 1980s, when a change in mission required a change in the designation, from 777-M to 777-10A. At that time, reactor work was phased out, and much of the building was adapted for audio-visual work at Savannah River (Reference P001).

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The Physics Laboratory was known as the home of Savannah River's experimental reactors. By the 1970s, the building had a total of five experimental reactors: the Process Development Pile; the Standard Pile; the adjoining Exponential Pile or Subcritical Experiment; the Pressurized Exponential Pile; and the Resonance Test Reactor, later renamed the Lattice Test Reactor. The most important of these, however, were the first three. Of these three, the Process Development Pile, a full-scale nuclear mock-up of the heavy water moderated production reactors at Savannah River, was the most significant. The Process Development Pile provided researchers with the opportunity to study the physics of the production reactors and their fuel and target assemblies without having to impede production, and without the radiation problems associated with the production reactors (Reference P001).

There were a number of instruments surrounding the Process Development Pile that were important for its operation and control. Many of these were monitoring instruments, such as the ten boron-coated ion chambers and the twenty-one health monitors. Other important pieces of equipment inside the Process Development Pile tank were the vertical and horizontal traveling monitors that measured neutron flux (Reference P001).

Early start-up of the Process Development Pile at the Physics Laboratory was essential to address specific issues anticipated prior to the start up of the R Reactor. Addressing the physics questions in the Process Development Pile would allow the production reactors to operate at higher power more quickly. The specific early objectives included (Reference P001):

- Establishment of a specific loading pattern for the production reactors,
- Establishment of the limits of safe operation, and
- Establishment of the methods of initial operation for the production reactors

As part of the final outfitting of the Process Development Pile, an order was placed for three polonium-beryllium neutron source rods in January of 1953. Two of these rods were for the Process Development Pile, with the third set aside for instrument checks. Beginning with this order and continuing for almost three decades, one or two new neutron sources would be required every year in the Physics Laboratory (Reference P001).

Since the Process Development Pile operated at very low power, there was no need for a large neutron source. There were initially only two polonium-beryllium neutron sources, which would normally be placed near the center of the tank. Each source emitted 2×10^7 neutrons per second. The source rods were either in the Process Development Pile when in use, or they were stored in a cylindrical can filled with a boron carbide-paraffin (Reference P001).

Waste Stream Material and Chemical Inputs

Waste stream SR-RH-SDD.01 consists exclusively of neutron sources packaged in SFCs.

RCRA Determinations

Historical Waste Management

The neutron sources were not removed from the Physics Laboratory until 2002 where they were maintained in a reactor or discrete storage areas. Since that time, SRS has managed the sources as non-hazardous waste. This determination is supported by the manufactures documentation and corresponding characterization of these type of sources managed by the Off-Site Source Recovery Project (OSRP). Review of the AK documentation verifies that these sources do not contain or have not been mixed with *Resource Conservation and Recovery Act* (RCRA) hazardous waste constituents (References U001 and U002).

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

Sealed sources constitute closed systems (solid isotopic sources sealed in a metal jacket or casing) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable, reactive, or corrosive. Therefore, the waste material in this waste stream does not meet the definition of ignitable, corrosive, or reactive as defined in 40 CFR 261, *Identification and Listing of Hazardous Waste, Subpart D.*

Ignitability

A solid waste exhibits the characteristic of ignitability as defined in 40 CFR 261.21 if it has any of the following properties: 1) It is a flammable liquid (flash point less than 60°C), 2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical change, 3) It is an ignitable compressed gas, or 4) It is an oxidizer (a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter).

Waste stream SR-RH-SDD.01 does not meet the definition of ignitibility as defined in 40 CFR 261.21. Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be ignitable. The sources will not cause fire through friction, absorption of moisture, or spontaneous chemical changes. The sources are not compressed gases or oxidizers. Visual examination (VE) of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned U.S. Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) D001 for ignitability (References U001 and U002).

Corrosivity

A solid waste exhibits the characteristic of corrosivity as defined in 40 CFR 261.22 if it has any of the following properties: 1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, or 2) It is a liquid and corrodes steel at a rate greater than 0.25 inches per year.

Waste stream SR-RH-SDD.01 does not meet the definition of corrosivity as defined in 40 CFR 261.22. Sealed sources constitute closed systems (solid isotopic sources sealed in metal jackets or metal casings) that preclude the introduction of extraneous materials (such as liquids) that would be corrosive. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D002 for corrosivity (References U001 and U002).

Reactivity

A solid waste exhibits the characteristic of reactivity as defined in 40 CFR 261.23 if it has any of the following properties: 1) It is normally unstable and readily undergoes violent change without detonating, 2) It reacts violently with water, 3) It forms potentially explosive mixtures with water, 4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment, 6) It is

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capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement, 7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure, or 8) It is a forbidden explosive, or Class A or Class B explosive as defined in 49 CFR 173, *Shippers – General Requirements for Shipments and Packagings*.

The sources in waste stream SR-RH-SDD.01 are manufactured items that are stable and will not undergo violent chemical change. The sources will not react violently with water, form potentially explosive mixtures with water, or generate toxic gases, vapors, or fumes when mixed with water. The sources do not contain cyanides or sulfides, and are not capable of detonation or explosive reaction. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums. Therefore, waste stream SR-RH-SDD.01 is not assigned EPA HWN D003 for reactivity (References U001 and U002).

Toxicity Characteristic

Based on a review of the manufacturer's documentation and supporting AK documentation, this waste stream does not exhibit the characteristic of toxicity per 40 CFR 261.24. Analytical data on typical source jacket material (stainless steel and silver solder which is 85 percent silver and 15 percent manganese) do not exceed the toxicity characteristic leaching procedure concentrations that would meet the RCRA characteristic of toxicity for metals. Therefore, no EPA HWNs are assigned to waste stream SR-RH-SDD.01 for toxicity characteristic metal or organic compounds (References U001 and U002).

Listed Waste

F-Listed Waste

This waste stream is not mixed with F-listed hazardous wastes from non-specific sources as listed in 40 CFR 261.31. SRS has not identified any F-listed hazardous constituents in this waste, and review of AK documentation found no potential source of any spent solvents used in the process that could contaminate the waste. The waste stream consists only of neutron sources in SFCs. Therefore, no F-listed EPA HWNs are assigned to waste stream SR-RH-SDD.01 (References U001 and U002).

K-Listed Waste

Waste stream SR-RH-SDD.01 does not include any of the manufacturing process wastes from the specific industries or sources listed in 40 CFR 261.32. Therefore, waste stream SR-RH-SDD.01 is not assigned a K-listed HWN.

P- and U-listed Wastes

Waste stream SR-RH-SDD.01 does not contain a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. The waste does not contain or is not mixed with hydrofluoric acid. Therefore, EPA HWN U134 is not assigned to the waste stream. These plutonium-beryllium neutron sources contain beryllium in a mechanically bonded form in each of the three sources. Based on the manufactures specifications and total waste weight (sources plus SFCs and wood bracing) the beryllium will not exceed one weight percent in any of the waste drums ranging from 0.30 percent to 0.40 percent, and therefore will not be present in amounts greater than one percent in the NS15 neutron shielded canister (Reference C003). The physical form of the beryllium is typically powder or sintered solid. However, the EPA has concurred that beryllium-

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containing sealed sources are not P-listed because the beryllium is not a sole active ingredient. Therefore, waste stream SR-RH-SDD.01 is not assigned a P- or U-Listed EPA HWN (References U001 and U002).

Polychlorinated Biphenyls

This waste stream does not contain polychlorinated biphenyls (PCBs) greater than 50 parts-per-million and is therefore not regulated as a *Toxic Substances Control Act* waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions*. Review of the source documentation verifies the absence of PCB materials in the sources and that the sources are strictly inorganic and do not contain organic materials. VE of records and VE during repackaging was performed to ensure that PCB materials were not introduced into the waste drums (References U001 and U002).

Prohibited Items

Based on a review of the manufacturers and AK documentation, waste stream SR-RH-SDD.01 does not contain prohibited items, including; compressed gases, liquids, non-radionuclide pyrophorics, sealed containers greater than four liters, or explosives. VE of records and VE during repackaging were performed to ensure prohibited materials were not introduced into the waste drums (References U001 and U002).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The waste material parameters (WMPs) for the waste stream were estimated by using manufacturer's information relating to the materials of construction associated with the three neutron sources, the OSRP estimates relating to the physical size and composition of the SFCs to be placed into the waste drums, and waste packaging (wooden bracing) included during repackaging of the sources. Based on this assessment only the following WMPs are present in the waste stream: iron based metals/alloys (stainless steel SFC, inside and outside source capsules), aluminum based metals/alloys (aluminum source sleeve/holder), other metals (plutonium and beryllium) and cellulosics (wood bracing). The WMP weights were assessed and an average was determined that was applied to the waste stream. The results of the assessment are presented in table Waste Stream AERHDM Waste Material Parameters (References C003 and U002). This evaluation does include the wood bracing included during the final transfer and repackaging of the sources into the final waste containers (Reference C003 and U004).

Waste Stream SR-RH-SDD.01 Waste Material Parameters

WMP	Average Weight Percent	Weight Percent Range*
Iron-based Metals/Alloys	47.6 %	42.7 – 52.7 %
Aluminum-based Metals/Alloys	1.4 %	1.2 – 1.5 %
Other Metals	0.4 %	0.4 – 0.5 %
Other Inorganic Materials	0.0 %	0.0 – 0.0 %
Cellulosics	50.6 %	45.3 – 55.6 %
Rubber	0.0 %	0.0 – 0.0 %
Plastic (waste materials)	0.0 %	0.0 – 0.0 %
Inorganic Matrix	0.0 %	0.0 – 0.0 %
Organic Matrix	0.0 %	0.0 – 0.0 %
Soils/Gravel	0.0 %	0.0 – 0.0 %
Total Inorganic Waste Ave.	**49.4 %**	
Total Organic Waste Ave.	**50.6 %**	

List of AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

As described above, beryllium will not exceed 1% by weight of the waste in any payload container.

Radionuclide Information

An initial estimate of the radiological content of the three sources was performed during the OSRP effort to package the SRS Physics Laboratory sources in SFCs. The purpose of the characterization was to evaluate the packaging configurations planned during the OSRP source recovery effort at SRS. The primary document used for the characterization of the three sources in waste stream SR-RH-SDD.01 was a drawing produced by Monsanto Research Corporation, which includes (Reference C001):

- Source serial numbers
- Physical dimensions
- Grams of plutonium oxide and beryllium used in each identified source
- Isotopic distribution within the plutonium oxide used for source construction

Using the data from this drawing, the initial content of the sources was estimated. The initial content was then decay corrected using the commercial decay correction package RADDECAY. Radionuclides present in the predicted decayed inventory were selected based on the potential for contribution to 95 percent of total activity in the source. No attempt was made to estimate the activity of activation or decay products, including Sr-90, Cs-137, or Co-60. Each

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radionuclide reported in the characterization is identified in the table Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01 (Reference C001).

Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01

	Source M029		Source M044		Source M045	
Radionuclide	**Curies**	**Grams**	**Curies**	**Grams**	**Curies**	**Grams**
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06
Totals	**6.61E+01**	**1.90E+01**	**2.48E+01**	**6.56E+00**	**3.42E+01**	**9.05E+00**

The data was normalized and converted to percentages of the total mass and activity. The result of this calculation is presented in the table Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01 (References C001 and U003).

Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01

Radionuclide	Relative Weight Percent	Relative Activity Percent	Expected Present (Yes/No)
WIPP Radionuclides			
Am-241	4.65%	4.39%	Yes
Pu-238	13.97%	65.72%	Yes
Pu-239	60.78%	1.04%	Yes
Pu-240	10.96%	0.69%	Yes
Pu-242	3.83%	<0.01%	Yes
U-233	<0.01%	<0.01%	Yes
U-234	4.62%	0.01%	Yes
U-238	<0.01%	<0.01%	Yes
Cs-237	Not Reported		Yes
Sr-90	Not Reported		Yes
Additional Radionuclides			
Pa-233	<0.01%	<0.01%	Yes
U-237	<0.01%	<0.01%	Yes
Np-237	0.18%	<0.01%	Yes
Pu-241	1.00%	28.15%	Yes
Totals	**100.00%**	**100.00%**	

Payload management will not be utilized for this waste stream.

Source Documents

Source Document Tracking Number	Title
C001	Characterization of Sources from Savannah River Plant
C002	Memo to J. McAlpin from T.J. Feske re: Pu-Be Sources - 777-10A
C003	Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation
P001	Historic American Engineering Record – Physics Assembly Laboratory
P002	Decommissioning the Physics Laboratory, Building 777-10A, at the Savannah River Site (SRS)
P003	NS15 Neutron Shielded Canister
U001	Container Paperwork for Waste Stream SR-RH-SDD.01
U002	Miscellaneous Pu-Be Neutron Source Documentation and Specifications
U003	Reported Radionuclide Evaluation Tables for Waste Stream SR-RH-SDD.01
U004	Miscellaneous Neutron Source Repackaging Photographs

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Attachment 2 – CCP Waste Stream Profile Form

(1) Waste Stream Profile Number: SR-RH-221H.01						
(2) Generator site name: Savannah River Site					(3) Generator site EPA ID: SC1890008989	
(4) Technical contact: Laura Nelson					(5) Technical contact phone number: 303-843-2269	
(6) Date of audit report approval by New Mexico Environment Department (NMED): September 16, 2013						
(7) Title, version number, and date of documents used for WIPP-WAP Certification: CCP-PO-001 *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Revision 21, May 31, 2013 CCP-PO-002 *CCP Transuranic Waste Certification Plan,* Revision 27, May 31, 2013 CCP-PO-004, *CCP/SRS Interface Document,* Revision 34, August 29, 2013 CCP-AK-SRS-600, *Central Characterization Project Acceptable Knowledge Summary Report for Savannah River Site Remote-Handled Transuranic Waste: Waste Stream SR-RH-221H.01*, Revision 1, November 27, 2012						
(8) Did your facility generate this waste?	YES	X	NO			
(9) If no, provide the name and EPA ID of the original generator: NA						
Waste Stream Information						
(10) WIPP ID: SR-RH-221H.01					(11) Summary Category Group: S5000	
(12) Waste Matrix Code Group: Heterogeneous Debris Waste					(13) Waste Stream Name: HBL Heterogeneous RH Debris	
(14) Description from the ATWIR: This waste stream is defense related, remote handled TRU waste and is composed of dry heterogeneous organic and inorganic debris.						
(15) Defense TRU Waste:	YES	X	NO			
(16) Check One:	CH		RH	X		
(17) Number of SWBs NA (17a) Number of SLB2 NA	(18) Number of Drums NA				(19) Number of Canisters 6[1]	
(20) Batch Data Report numbers supporting this waste stream characterization: See Characterization Information Summary (CIS) Correlation of Container Identification Numbers to Batch Data Report Numbers						
(21) List applicable EPA Hazardous Waste Numbers: D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F005, U133						
(22) Applicable TRUCON Content Numbers: SR321, SR322, SR325						
(23)**Acceptable Knowledge Information**						
(For the following, enter the supporting documentation used [i.e., references and dates])						
Required Program Information						
(23A) Map of site: CCP-AK-SRS-600, Revision 1, November 27, 2012 Figures 1, 2 and 3						
(23B) Facility mission description: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.3						
(23C) Description of operations that generate waste: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.7						
(23D) Waste identification/categorization schemes: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.3						
(23E) Types and quantities of waste generated: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.1						
(23F) Correlation of waste streams generated from the same building and process, as applicable: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.6.2						

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(24) Waste certification procedures: CCP-TP-530 CCP RH TRU Waste Certification and WWIS Data Entry Revision 11, June 19, 2013			
(25) **Required Waste Stream Information**			
(25A) Area(s) and building(s) from which the waste stream was generated: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.1			
(25B) Waste stream volume and time period of generation: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.2			
(25C) Waste generating process description for each building: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 4.7			
(25D) Waste Process flow diagrams: CCP-AK-SRS-600 Revision 1, November 27, 2012 Figures 8,9, 10, 11, 12, and 13			
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form: CCP-AK-SRS-600 Revision 1, November 27, 2012 Section 5.4			
(25F) Waste Material Parameter Weight Estimates per unit of waste: See Table entitled "Waste Stream SR-RH-235F.01 Waste Material Parameters" in the Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01			
(26) Which Defense Activity generated the waste:			
	Weapons activities including defense inertial confinement fusion		Naval Reactors development
	Verification and control technology	X	Defense research and development
	Defense nuclear waste and material by products management	X	Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations		
(27) **Supplemental Documentation**:			
(27A) Process design documents: See D021, D026, D048, D049, D052, D054, D055, D058, D061, D115, D120, M061, in Summation of Aspects of AK Summary Report : Waste Stream SR-RH-221H.01, Source Documents			
(27B) Standard operating procedures: See C055, C063, C071, D018, P001, P003, P004, P007, P007A, P014, P015, P016, P018, P022, P023, P024, P025, P026, P027, P031, P033, P034, P037, P038, P042, P045, P046, P047, P048, P049, P050, P051, P052, P054, P055, P056, P057, P058, P059, P061, P062, P063, P064, P067, P069, P070, P072, P073, P076, P077, P078, P081, P082, P083, P084, P088, P089, P090, P091, P092, P093, P094, P096, P101, P103, P104, P105, P106, P107, P108, P109, P110, P111, P112, P113, P119, P120, P121, P122, P125 In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27C) Safety Analysis Reports: See D003, D009, D020, D030, D056, D116, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27D) Waste packaging logs: See D015, D034, D052, M014, M015, M023, M027, M066, M115, M125, M127, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27E) Test plans/research project reports: See D019, D043, D046, D053, D090, D098, D108, D114, D127, M131 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27F) Site databases: See M052, M056, M066, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27G) Information from site personnel: See C088, C090, C091, C093, C094, C098, C104, C105, C116, C136, C146, C150, C152, C156, C157, C158, C164, C165, C178, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents			
(27H) Standard industry documents: See C045, C046, C047, C048, C054, C129, C161, C162, D035, D037, D038, in Summation of Aspects of AK Summary Report :Waste Stream SR-RH-221H.01, Source Documents			

(27I) Previous analytical data: See D005, D005A, D050, D060, M014, M015, M030, M099, M115, M125, M127, M169, in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents.
(27J) Material safety data sheets: See M051, M134 in Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents.
(27K) Sampling and analysis data from comparable/surrogate Waste: NA
(27L) Laboratory notebooks: See M012, M058, M063, M073, In Summation of Aspects of AK Summary Report: Waste Stream SR-RH-221H.01, Source Documents
Confirmation Information
Attachment 2 – CCP Waste Stream Profile Form (Continued)

(28)	Radiography: CCP-TP-053 *CCP Standard Real-Time Radiography (RTR) Inspection Procedure* Revision 14, September 25, 2013
	Visual Examination: NA

(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.

Reviewed by AK Expert: YES ☐ **Date:**_____

Reviewed by STR (if necessary): YES ☐ N/A ☒ **Date:**_____

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date

1. There are 16 55-gallon drums currently identified in the waste stream and will be shipped to WIPP in 6 72B casks.

CHARACTERIZATION INFORMATION SUMMARY

WSPF # SR-RH-221H.01

Lot 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

RTR/VE Summary of Prohibited Items and AK Confirmation..... 004

Reconciliation with Data Quality Objectives..... 005

CCP Characterization Information Summary Cover Page

Waste Stream # SR-RH-221H.01 Lot #: 1

AK Expert Review: Kevin Peters Date:

SPM Review: Laura Nelson Date:

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Real-Time Radiography (RTR)

CCP-TP-053	Rev. 14	09/25/13	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 13	05/14/13	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Visual Examination (VE):

NA	NA	NA

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 21	06/06/13	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 26	06/19/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-005	Rev. 26	08/12/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 25	06/19/13	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-530	Rev. 11	06/19/13	CCP RH TRU Waste Certification and WWIS Data Entry
CCP-TP-530	Rev. 10	04/25/11	CCP RH TRU Waste Certification and WWIS Data Entry

WAP Certification:

CCP-PO-001	Rev. 21	05/31/13	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	06/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-004	Rev. 34	08/29/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 33	06/19/13	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/TRU Waste Processing Center/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/TRU Waste Processing Center/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-221H.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SR526226	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR522331	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513955	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513961	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR526224	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR545535	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526264	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526263	NA	SRSRHSTC12002	SR4RTR0248	N/A	
SR526227	NA	SRSRHDTC12001	SR4RTR0248	NA	
SR526225	NA	SRSRHDTC12003	SR4RTR0249	N/A	
SR522989	NA	SRSRHDTC11003	SR4RTR0249	NA	
SR570547	NA	SRSRHDTC11003	SR4RTR0196	N/A	
SR570548	NA	SRSRHDTC11003	SR4RTR0196	NA	
SR570546	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR570545	NA	SRSRHDTC12001	SR4RTR0220	NA	
SR503513	NA	SRSRHDTC12003	SRLBR0079	NA	

Signature of Site Project Manager

Laura Nelson
Printed Name Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-221H.01 Lot #: 1

Container Number	RTR Prohibited Items [a]	Visual Examination Prohibited Items [a]	Does the Physical Form of the Waste Match the Waste Stream Description as Determined by AK
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this Lot had prohibited items identified during Real Time Radiography Examination.	Visual Examination technique was not used on any of the containers in this Lot.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-221H.01.			

Site Project Manager Signature

Laura Nelson
Printed Name Date

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

Sampling Completeness

VE

Number of Valid Samples: NA Number of Total Samples Analyzed: NA

Percent Complete: NA (QAO is 100%)

RTR

Number of Valid Samples: 16 Number of Total Samples Analyzed: 16

Percent Complete: 100 (QAO is 100%)

NDA

Number of valid samples: NA Number of Total Samples Analyzed: NA

Percent Complete: NA (QAO is 100%)

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

	Y/N/NA	Reconcilliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?

CCP Reconcilliation with Data Quality Objectives

WSF# SR-RH-221H.01 Lot # 1

6	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
7	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
8	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
9		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections B3-2 through B3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA

Comments: N/A

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

SUMMATION OF ASPECTS OF AK SUMMARY REPORT: WASTE STREAM SR-RH-221H.01

Overview:

Waste stream SR-RH-221H.01 consists of Remote Handled (RH) transuranic (TRU) heterogeneous debris waste generated from the HB-Line (HBL) and H-Canyon at the Savannah River Site (SRS). The primary function of H-Canyon has been the chemical separation of the Np-237 and Pu-238 from old SRS reactors and from uranium and plutonium scrap material received from off-site sources for dissolution and recycle to canyon facilities. The HBL also receives plutonium and neptunium solutions and converts them to solid oxides.

The primary mission of the HBL, beginning as early as 1954, was to produce Pu-239 for use in the assembly of atomic weapons. By the 1960s, other materials such as Pu-238 were produced for defense use. Neptunium was also produced and ultimately incorporated in new reactor targets where it was re-irradiated for production of Pu-238. The HBL mission, therefore, meets criteria as an atomic energy defense activity (i.e., support of defense nuclear materials production and defense research and development).

This Summation of the Acceptable Knowledge (AK) Summary Report includes information to support Waste Stream Profile Form (WSPF) number SR-RH-221H.01, Rev. 0 for mixed heterogeneous debris waste generated at SRS. The primary source of information for this Summation is CCP-AK-SRS-600, *Central Characterization Program Acceptable Knowledge Summary Report For Savannah River Site, Remote-Handled Waste, Waste Streams: SR-RH-221H.01, SR-RH-221H.02*, Revision 1, November 27, 2012.

Waste Stream Identification Summary:

Waste Stream Name:	HBL Heterogeneous RH Debris
Waste Stream Number:	SR-RH-221H.01
Dates of Waste Generation:	July 1977 to November 1990
Waste Stream Volume – Current:	16 55-gallon drums[1]
Waste Stream Volume – Projected:	None[1]
Summary Category Group:	S5000 – Debris Waste
Waste Matrix Code Group:	Heterogeneous Debris Waste
Waste Matrix Code:	S5400
RH TRU Waste Content Codes:	SR321, SR 322, and SR 325
Annual Transuranic Waste Inventory Report Identification Number:	SR-RH-221H.01

1. Even though no additional drums are expected to be added to RH waste stream SR-RH-221H.01, any container from Contact-Handled (CH) waste stream SR-W027-221H-HET determined to be RH waste could be included in this waste stream. One drum has been added since Revision 1 of CCP-AK-SRS-600.

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Waste Stream Description and Physical Form:

Waste stream SR-RH-221H.01 includes dry heterogeneous organic and inorganic debris. The organic debris includes plastic (e.g., bottles), bags, personal protective equipment (PPE) (e.g., gloves, shoe covers, lab coats, plastic suits), plexiglas, wipes, labware, cardboard, wood, absorbed oil, paper, and other job control type waste. "Job control" waste generally consists of paper, cloth, wood, plastic, rubber, glass, ceramic, and metal. The waste may also include small amounts of inorganic debris such as metal components (e.g., hand tools, motors, small equipment), metal hardware and fittings, sealed sources, crucibles, glass, floor sweepings, and absorbent materials. In addition, small quantities of poly bottles (100-milliliters [ml], 500-ml, 2-liter) containing immobilized liquids (e.g., absorbed acids and organic liquids) are also present. Examples of container-specific waste items described on generator and packaging forms:

- Cellulosic items such as wipes, swipes, rags, leather gloves, spill pillows, wood, cardboard, paper, rope, mops
- Plastic items such as tape, suits, shoe covers, bags, tubing, Plexiglas, buckets, bottles, containers
- Equipment and electrical devices such as heat guns, rotometers, calculators, pumps, motors, ultrasonic cleaners
- Other metals such as batteries, lead bricks, pellets, shavings, lead-lined gloves, sealed sources (e.g., Pu-238)
- Iron-based metals, such as piping, hoods, metal ductwork, tools, scissors, shears, saw blades, funnels, scales, weights, cans, lids, containers, flanges, valves, fittings, clamps, gauges, metal locks, wire, hardware (e.g., nuts, bolts, screws), ladders, scaffold material
- Aluminum-based metal items, such as foil
- Absorbed liquids, absorbent (e.g. Celite), soda ash
- Rubber, such as gloves, o-rings
- Filters, such as high efficiency particulate air (HEPA) filters, agitator filters
- Other inorganics, such as vials, glass labware, floor tiles, crucibles, floor sweepings, sand, Insulation, light bulbs

Waste Stream SR-RH-221H.01 meets the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) and the *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) waste stream definitions because the waste has a common physical form (debris), and contains similar hazardous and radiological constituents as a result of the waste being generated from a single activity (HBL facility operations and associated maintenance and deactivation operations).

Point of Generation:

Location

Waste stream SR-RH-221H.01 was generated at SRS in Aiken, South Carolina.

Area and/or Buildings of Generation

Waste stream SR-RH-221H.01 was generated at the HBL in the H-Canyon separations facility located in the 200-H Area.

Generating Processes:

Description of Waste Generating Processes

HBL has consisted of three major operations in both the Old and New HB-Lines: Scrap recovery, Neptunium Oxide production, and Plutonium Oxide production. The New HB-Line also has a laboratory that generated TRU waste (References C063, C066, D005, D054, D099, D113, D116, M069). HBL generates TRU waste containing plutonium and neptunium during the use of gloveboxes, contamination control huts, and from decontamination processes. TRU waste containing Pu-238, Np-237, Pu-239, and other radionuclides was also generated during decontamination operations, replacement of equipment, maintenance, inspection, and sampling (Reference D034).

Old HB-Line Waste Generating Processes

The Old HB-Line operated from 1963 to 1984 producing Pu-238 material for National Aeronautics and Space Administration (NASA) programs as well as defense-related materials. It was designed to receive radionuclides in dilute acid (e.g., nitric acid) solutions from the fuel reprocessing canyon, precipitate them as oxalates, and then calcine them in a furnace to a solid oxide form (References D004, D062). In addition to Pu-238 and Np-237, the facility processed Pu-239, U-233, and U-235 (References D004, D095). The Old HB-Line had three distinct facilities to process Np-237, Pu-238, and recoverable scrap material (References C093, D052).

Dissolution of these materials in the H-Canyon involved fuel elements and assemblies being transported from the storage area or directly from cask cars, charged to the dissolver, and dissolved in nitric acid solution to provide an aqueous solution suitable for subsequent processing and separation steps. Typical dissolution included uranium metal with aluminum clad slugs, uranium-aluminum alloy fuel, and zirconium and stainless steel clad fuels (Reference D124).

Scrap Recovery Process

The Scrap Recovery Process recovered U-235, Pu-238, and Np-237 from local and off site scrap by dissolving the scrap and transferring the solution to the canyon for reprocessing (Reference D052). The recovery process normally consisted of opening and examining contents of scrap containers, removing extraneous materials, screening, size reduction, oxidation, leaching, and dissolution (Reference D052). Precipitation and ion exchange capabilities are also available. Solutions may require diluting to obtain nitrate solutions suitable for further processing (Reference D019).

The scrap was inspected and extraneous material removed. The scrap was then weighed and pulverized for dissolution. The material was manually added to the dissolver, which contained nitric acid, potassium fluoride and aluminum nitrate (References D006, P105). The dissolver solution was then filtered and analyzed for Pu-238 prior to reprocessing. Insoluble material in the filter boat was either recycled or discarded depending upon its plutonium content. U-235, Pu-239, and Np-237 were recovered from scrap consisting mainly of uranium, plutonium, and neptunium oxides of various compositions. The scrap is weighed and added to a solution of nitric acid/potassium fluorine (potassium fluoride/aluminum nitrate (References D006, P038).

The solution was cooled, filtered, sampled, and analyzed for U-235 and Pu-239 prior to reprocessing.

Scrap was occasionally received with a significantly different composition than that normally processed. Non-routine scrap required a special evaluation to determine a safe recovery procedure. Examples of special recovery scrap processed in HBL include scrap containing molybdenum, zirconium, or beryllium. Molybdenum scrap was dissolved with ferric nitrate. Scrap containing zirconium metal or alloy was processed with fluoride (Reference D006).

Neptunium Process

The Neptunium Process received Np-237 solution separated by canyon operations in F and H Areas. The process purified and concentrated the neptunium solutions using anion exchange, precipitation, and calcination. The product was ultimately incorporated in new reactor targets and re-irradiated for the production of Pu-238 (References D019, D052).

HBL received Np-237 nitrate from three sources: H-Canyon Frames Process, H-Canyon HM Process, and the F-Canyon Purex Process. These feed solutions were sampled and analyzed for neptunium content and acidity and then combined with feed solutions from other processes. Feed solutions were adjusted by adding nitric acid, ferrous sulfamate, and hydrazine mononitrate (References D019, D052). Hydrazine mononitrate was added to the solution after it was sampled and analyzed (Reference D052).

Plutonium Process

The plutonium Process received separated Pu-238 nitrate solutions and converted them to plutonium dioxide powder by precipitation and calcination (Reference D052). The plutonium product was shipped to other facilities where it was fabricated into heat sources for radioisotope thermoelectric generators (RTGs) (References D052, D056). Plutonium was precipitated, filtered, and calcined to plutonium dioxide in air.

HBL received high assay and low assay Pu-238 nitrate solutions from H-Canyon operations. The high assay plutonium solutions accounted for ~99 percent of the Pu-238 processed in HBL. Low assay Pu-238 was recovered from irradiated fuel assemblies of enriched uranium. The recovered product was decontaminated and purified in the H-Canyon, and was transferred to HBL. Low assay plutonium solution contained plutonium in nitric acid (Reference D052).

High assay Pu-238 was recovered from irradiated neptunium target tubes. The plutonium was separated from the dissolver solution and purified by ion exchange in the H-Canyon Frames Process. The high assay solution was transferred from H-Canyon to an HBL receiving and blending tank. The solution was then blended to isotopic specifications, adjusted, and transferred to the precipitator feed tank.

Low assay plutonium solution was blended with high plutonium solution to give an isotopic concentration of 80 to 81 percent Pu-238, which was suitable for fabrication of heat sources. The acidity of the blend was adjusted by using nitric acid. Additional adjustments used ascorbic acid and hydrazine mononitrate. Plutonium oxalate was precipitated and filtered from the adjusted feed solution prior to calcination. When the precipitation was complete, the slurry was filtered to recover plutonium oxalate. The precipitate cake was washed with oxalic acid, hydrazine mononitrate, ascorbic acid, and nitric acid, calcined to convert to plutonium dioxide.

New HB-Line Waste Generating Processes

The New HB-Line, located on the fifth and sixth levels of H-Canyon, was designed to replace the aging Old HB-Line production facility (References D003, D056, D116). Built in the early 1980s in part of the H-Canyon Building, HBL is also a large, reinforced concrete structure. New HB-Line consists of the following (References D005, D005A, D050, D052, D058, D067, D092):

- Scrap Recovery Facility (Phase I)
- Neptunium Oxide Facility (Phase II)
- Plutonium Oxide Facility (Phase III)
- Waste Handling Facility, which was converted to an analytical laboratory operating since 1991 (References C105, D005)
- An office building
- Areas for support processing and service equipment

Chemicals used in New HB-Line processing facilities are nitric acid, potassium fluorine, aluminum nitrate, sodium nitrite, ferrous sulfamate, ascorbic acid, hydrazine mononitrate, and oxalic acid. All acid spills are neutralized prior to being disposed. Solid hydrazine is never brought into the HBL Facility. It is delivered as 30 percent hydrazine mononitrate solution in drums. Suspected hydrazine mononitrate spills are tested and cleaned up by Industrial Hygiene (Reference D050).

Scrap Recovery Facility (Phase I)

Phase I operations include opening, repackaging, screening, size reducing and dissolving scrap (References D005, D050). The facility is designed to receive and process material containing isotopes of plutonium, uranium, and neptunium from various on-site and off-site locations. Process materials can be in the form of solid or powdered oxides, pure metals, and mixed or alloyed with other metals. Phase I operations recover U-235, Pu-239, Pu-238, and Np-237 from scrap material and produce nitrate solutions for purification by anion exchange in HBL or solvent extraction in H-Canyon (References D003, D005, D058, D116). The process involves introducing prepared and assayed scrap into vessels containing nitric acid, filtering the dissolved product, and then etching the product with dilute nitric acid to the appropriate H-Canyon vessel (References D003, D058). The following campaigns were processed through New HB-Line Scrap Recovery: enriched uranium/plutonium material; Pre-Cassini Pu-238; Cassini Pu-238; high assay plutonium; Post-Cassini Pu-238; Low Assay plutonium (LAP); Pu-239 FB-Line sweepings; and enriched uranium/depleted uranium/Pu-239 (References D110, D114).

The Phase I cold feed preparation (CFP) area, provides Phase I with a remote site for chemical preparations and metered quantity introduction to the process line (References D003, D058). Chemicals used in Phase I include nitric acid, potassium fluorine, Al nitrate, and ferric nitrate. After the conditioned scrap is dissolved, it is filtered and then educted to H-Canyon (References D050, D058). Al nitrate is stored and prepared separately from flammable and combustible materials in the CFP. LAP and FB-Line sweepings were also processed in this facility (Reference D005). LAP, FB-Line sweepings, plutonium-beryllium material from FB-Line, and other FB-Line scrap materials were also processed in this facility (References D005, D112, D113, D115).

The HBL Phase I Scrap Recovery Facility was processing scrap in 2003 referred to as desicooler material, which was a uranium-aluminum scrap with trace amounts of plutonium, neptunium, and americium. Most of this material was left over from a uranium oxide scrap recovery program that began in 1972 with material from Oak Ridge National Laboratory and

Rocky Flats. Several cans of this material were processed under normal scrap recovery operations in 2003. However, a decision was made to stabilize the remaining material with Portland cement and water in 1-gallon paint cans to reduce the attractiveness level of the material (References D107, D108).

HBL also processed plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. The metal/alloy materials in the 3013 material contain impurities such as vanadium, tantalum, zirconium, beryllium, and molybdenum. A shear and furnace station was installed in part of the Phase III glovebox line in 2006 to support the 3013 Processing Project. Size reduction of these materials in a hydraulic shear may be necessary prior to introducing the materials into the dissolver. This will allow for the dissolver charge to be prepared at this location and transported to Phase I or to H-Canyon. Material containing hazardous quantities of zirconium metal are placed in the furnace at an elevated temperature for oxidation in order to preclude a violent chemical reaction of this material when placed in the dissolver (Reference D116).

The dissolution of composite materials containing plutonium and tantalum metals was being performed in Phase I of the HBL Facility in 2007 for subsequent disposition through the H-Canyon facility. The material is first rinsed with process water, placed into the dissolver using a nitric acid solution containing potassium fluorine and then burned, in part to destroy classified information. The first dissolution processes resulted in the precipitation of a fluoride salt containing plutonium which required further dissolution of the salt using aluminum nitrate and a longer heating time. As a result, the process was modified which resulted in more favorable outcomes (Reference D120).

Neptunium Oxide Facility (Phase II)

The original intent of Phase II was to convert nitrate solutions of neptunium into stabilized Np-237 oxide (References D005, D049). However, no operations occurred in this facility until late 2001, when nitrate solutions of Pu-239 were converted into plutonium oxide powder suitable for dissolution, blending, or long-term storage (References D049, D058, M022). Phase II shifted to neptunium processing in 2004. Neptunium solutions that have been in storage since the 1980s are being converted into an oxide and shipped to the Idaho National Laboratory (INL) (References D005, D111, D112, D113, D116).

Phase II consists of two processing lines that can process either plutonium or neptunium. The operations include transferring plutonium or neptunium nitrate solutions from H-Canyon vessels to receipt tanks. The solutions are then processed through ion exchange columns to concentrate, and precipitation stages that produce oxalate cake after filtration. The cake is calcined and packaged as the final product (References D005, D049, D058, D116).

The chemicals used in Phase II include nitric acid, ferrous sulfamate, sodium nitrite, ascorbic acid, hydrazine mononitrate, oxalic acid, and potassium permanganate. Aqueous nitric acid is mixed into an actinide feed solution and then chemically adjusted with ferrous sulfamate (References D005, D049, D058, P081).

Plutonium Oxide Facility (Phase III)

Phase III was designed to convert Pu-238 nitrate solutions to plutonium oxide powder suitable for fabrication into heat sources, but has not been in operation since 1997 (References D061, D058). The original mission for Phase III was to produce Pu-238 oxide for the Los Alamos National Laboratory (LANL) (References D005, D050).

In 1985, the Pu-238 nitrate solution sent to Phase III came from the H-Canyon Frames Process HBL, which processed both low assay and blended material made from low and high assay material. Low assay Pu-238 was recovered from irradiated uranium fuel assemblies. High assay Pu-238 was recovered from irradiated neptunium target tubes. The targets were removed from the reactor and, after a cooling period, shipped to the separations facility. The targets were placed in a vessel, the cladding was removed, and the uranium metal and neptunium were dissolved. An ion exchange process separated the fission products, uranium, Np-237, and Pu-238. After separation in H-Canyon, the Pu-238 is in a nitrate form in nitric acid. It is then transferred to HBL Phase III, where it is converted into an oxide (Reference C139).

The new plutonium oxide process in Phase III was an improved version of the Old HB-Line plutonium oxide process used since 1961 (Reference D056). After Pu-238 nitrate solutions were received from the H-Canyon Frames Process, the solution was adjusted using ascorbic acid and hydrazine mononitrate. Oxalic acid was added to form plutonium oxalate. The plutonium oxalate was then calcined in a furnace to produce the Pu-238 oxide powder (References M061, M062). Finally, the Pu-238 oxide powder was packaged and shipped to another DOE facility (References D005, D050, D056). Pu-242 was precipitated in the same manner (References D050, D061). The brief Pu-242 campaign did not use ascorbic acid or hydrazine mononitrate (Reference D050).

The Phase III process lines are serviced with chemical solutions from the Phase II CFP area (Reference D058). The chemicals used in Phase III included 64 percent nitric acid, oxalic acid, potassium permanganate, ascorbic acid, and hydrazine mononitrate (Reference M061). The oxalic acid solution, and potassium permanganate used in the Phase III process was also prepared in the CFP.

Surveillance and maintenance activities in this facility continue to generate TRU waste contaminated with a heat-source (Pu-238) distribution. The Pu-242 formerly processed in this facility has been removed, and only residual amounts of Pu-242 remain (Reference D005).

HBL is currently processing plutonium and uranium scrap metal referred to as 3013 material. Phase I Scrap Recovery and Phase III facilities are being utilized for this process. During the 3013 Campaign, the 3013 cans are opened and destructive analysis of the plutonium oxide is performed prior to the can being shipped to the HBL for dissolution in Phase I. Prior to dissolution, the plutonium-oxide may be washed utilizing an oxide washer in order to reduce the chloride content. The purpose of this is to reduce stress corrosion cracking of the processing equipment in Phase I (References D120, P119, P120, P121, P122, P125).

Repackaging of solid waste and solid materials containing enriched uranium/depleted uranium/natural uranium, plutonium, and/or neptunium is now permitted in the Phase III process line or confinement enclosures (e.g., glove-bags or huts) (Reference D116).

Other Facilities

Also contained within the HBL are a Waste Handling Facility and an area known as Room 410N. The Waste Handling Facility also contains the Analytical Laboratory. Although this facility was originally designed to prepare contaminated items for TRU waste disposal, it currently functions only as an Analytical Laboratory for analyzing samples and has been operational since 1991 (References D005, D058). Process operations in the Old HB-Line were permanently suspended in 1983, but the process equipment in Room 410N is used as part of the Phase II process operation (References D058, D116).

Old HB-Line Decontamination and Removal (D&R)

The D&R process for the Old HB-Line began in about 1982, while the facility was still operational. A report issued by SRS in early 1994 (Reference D004) stated that a portion of the Old HB-Line (Neptunium Process and Scrap Recovery) had been undergoing D&D intermittently over the past nine years and, at the time of the report, the facility had been cleaned. The remainder of the facility was scheduled to be cleaned over the following three years. However, according to the August 2005 HBL characterization plan and the August 2006 Safety Analysis Report (SAR), the third and fourth levels are in various stages of decommissioning and deactivation and continue to generate TRU waste (References D005, D116).

The D&R project followed a four phase process. The first step was the removal of all non-contaminated equipment, which also included flushing tanks, piping, and sumps. In step two, process cabinets were emptied and cleaned. Cabinet interiors were decontaminated to a practical limit. Then the cabinets were painted to affix contaminants. The third step was the cabinet removal stage, where adjoining cabinets were separated and cut into sections to allow for packaging. Since the area was highly contaminated with plutonium, processing equipment was contained in gloveboxes or cabinets with controlled ventilation, to assure personnel protection. The last step was the decontamination of the vacated areas of the facility to as low a level of radioactivity as economically practicable. Tasks performed in this effort included painting walls, laying new floor tiles, and reinstallation of services such as lights, ventilation, and alarms. The Kelly decontamination system, which used a combination of steam and chemicals, was used to decontaminate large concrete areas. Contaminated wash water was pumped to the adjacent canyon for evaporation and transfer to the waste tanks. A Bead Blaster was used to remove deeply penetrated contamination from large areas of concrete floor. "Tacky" wipes were used to decontaminate smooth surfaces (Reference D004).

Associated Maintenance and Housekeeping Activities

Maintenance activities conducted on HBL included the following (References C098, C129, D034):

- Lead-lined glove replacements (periodically and as needed)
- Repair of leaks
- Filter change-outs (References M023, P007, P007A, P031, P037, P084, P101)
- Changing panels on cabinets and huts
- Equipment repair (valve replacement, etc.)
- Inspection and cleaning of exhaust ducts to remove any plutonium accumulation (during January 1990 shutdown)

Routine housekeeping activities conducted by Operators included the following:

- Sump cleanout (Reference D090)
- Floor sweeping (References C031, C039, C117)
- Absorption of liquids
- Construction, breakdown, and disposal of huts adjacent to cabinets (References D067, P023)
- Bagging trash out of gloveboxes and cabinets (References C044, C131, M046, P022)
- Decontamination (References M012, P049)

All of these activities generated TRU and/or low-level waste (LLW) throughout the time period of waste generation. Some examples of waste-generating maintenance and housekeeping activities are provided below.

Sump Cleanout

Cabinet sumps were physically cleaned of items that may have fallen into them, such as vials and tape, including the filtrate cabinet and product hold cabinet sumps. Dissolvers were also emptied. The sumps were then flushed with liquid. The dissolver was also filled to its limit with nitric acid, sampled and discharged. Sumps required to be physically cleaned in the Phase III facility included the receipt cabinet, the precipitator, and the filtrate cabinets. Liquid flush solutions were ultimately sampled and transferred to H-Canyon (Reference P033). The Old HB-Line sumps were not cleaned as often as in the New HB-Line, but sumps were usually flushed out and cleaned between isotopic campaigns; cabinets were wiped down, and everything was removed (Reference C105). The rinsed wet nitric acid wipes that were used to clean the sumps were radiologically surveyed and either discarded or held for recovery of material (Reference D090).

Floor Sweeping Cleanup

Materials would be mixed at a ratio of 3:1 with vermiculite to assure no free liquids existed (References C031, C117). When neoprene glovebox gaskets covering the points where cabinets joined together would fail, neptunium sweepings were generated (Reference C105). The radioactive glovebox sweepings were recycled when practical to do so, (Reference D005) and were collected and put through Scrap Recovery.

Waste Stream Material and Chemical Inputs

The following table identifies the Resource Conservation and Recovery Act (RCRA) toxicity characteristic and listed constituents identified in this waste stream, and Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) assigned for each constituent, as applicable.

Toxicity Characteristic and Listed Constituents in Waste Stream SR-RH-772F.01

RCRA Constituent	Use/Description	AK Source	EPA HWNs
Acetone	Decontamination and degreasing solvent on rags. Ingredient in Magnaflux SpotCheck Developer.	C006, C083, C105, M051	NA
Beryllium	Special recovery scrap reprocessing material. Dissolution of plutonium-beryllium neutron sources. Contaminant in plutonium oxide product.	C011, C151, C178, D005, D006, D055, D059, D067, D115, M122, M133	NA
Cadmium	Cadmium plates used in HBL vessel vent system. Historically identified as a contaminant of mixed waste.	C002, C098, C139, D067, P015, P026, P034, P073, P103	D006
Carbon tetrachloride	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	C104, C152, C155, D018, D059, D075, P052, P061	F001/D019
Chloroform	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	C104, C152, C155, D018, D059, D075, P052, P061	D022
Chromium	Component or contaminant of stainless steel and plutonium oxide.	C098, C136, C139, D003, D005, D041,	NA
Cyclohexanone	Ingredient in EZ Weld Gray Polyvinyl chloride Cement.	M051	NA
1,1-Dichloroethylene	Historic HBL inventory chemical. Historically identified as a contaminant of mixed waste.	D018, D075, P052, P061	D029
Ethyl Acetate	Ingredient in Magnaflux SpotCheck Developer.	C105, M051	NA
Hydrazine	Used in Scrap Recovery anion exchange and neptunium and plutonium precipitation.	C098, C105, C136, C152, D007, D019, D050, D052, D055, D056, M061	U133
Hydrofluoric acid	Solid sample dissolution. Historically identified as a contaminant of mixed waste.	C136,C156, D018, D075, P052, P061, P104	NA
Lead	Sources of lead-contaminated waste include leaded rubber gloves, lead-impregnated vinyl aprons, and metallic lead waste (e.g., bricks, sample carriers) used as shielding. Historically identified as a contaminant of mixed waste.	D003, D018, D052, D058, D067, M014, M066, P026, P052, P096, P103	D008
Mercury	Component of fluorescent light bulbs, thermometers, and manometers. Historically identified as a contaminant of mixed waste.	C067, C156, D052, M037, M098, P015, P026, P034, P103	D009
Methanol	Decontamination and degreasing solvent on rags. Historically identified as a contaminant of mixed waste.	C006, C083, D018, D075, P052, P061	NA
Methyl ethyl ketone	Ingredient in EZ Weld Gray Polyvinyl chloride Cement.	C002, C017, C032, M051	F005
Methylene chloride	Raycohesive and MOR-AD adhesive ingredient.	C006, C057, C083, P048, P059	NA
Tetrachloroethylene (perchloroethylene, PCE)	Historically identified as a contaminant of mixed waste.	D018, D075, P052, P061	F001/F002/ D039
Trichlorotrifluoroethane (Freon)	Decontamination and degreasing solvent on rags.	C006, C017, C083	F002
1,1,1-Trichloroethane (TCA)	Ingredient in Raycohesive adhesive and Magnaflux cleaner used for clean-up and decontamination.	C017, C105, C152, D018, D075, M051, P052, P061	F001/F002
Trichloroethylene (TCE, Triclene)	Decontamination and degreasing solvent on rags. Historically identified as a contaminant of mixed waste.	C006, C083, C105, D018, D075, P052, P061	F001/F002/ D040
Vinyl Chloride	Historically identified as a contaminant of mixed waste.	C155, D018, D075, P052, P061	D043

RCRA Determinations

Historical Waste Management

The HBL waste has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, the containers in this waste stream were managed as non-hazardous and hazardous. A review of available AK documentation has determined that this waste is hazardous.

SRS began to manage TRU mixed waste as RCRA beginning in June 1987 (Reference C088), around the time when they began implementing a TRU Waste Certification Program, of which HBL was a part, for waste to be disposed at WIPP (Reference C105). Under this program, HBL was audited in 1988-89, and began "to do better segregation of waste" and package and characterize it to meet program requirements, including segregating mixed waste from other TRU non-hazardous waste (Reference C105). From about 1986 forward, HBL waste generators were able to indicate HWNs applicable to the waste they were packaging on TWPDs, except that they did not indicate F001-F005 HWNs for solvent-contaminated wipes or rags; a review of these forms from the 1986-1990 time period (References M014, M066) reveals that generators assigned the number D008 for lead. By 1988, under the TRU waste certification program, liquids and sludges were segregated from certifiable waste prior to bagout, as verified by x-ray (Reference D088). Hazardous materials that could be disposed of in TRU waste were listed in procedures or posted in work areas.

TRU waste management changes were made in January 1990 in response to regulatory concerns with the management of solvent rags and potentially other hazardous wastes (Reference C006). At this time, SRS waste-generating facilities were asked to identify chemical inventories (Reference C067). On January 19, 1990, the SRS, Environmental Protection Department (EPD) issued a memo summarizing recent regulatory guidance that would require considering solvent-contaminated rags/wipes to be hazardous under certain conditions. Affected SRS activities were anticipated to include decontamination or degreasing "using Freon, acetone, methanol, methylene chloride, and other RCRA-listed solvents..." as well as trichloroethylene (TCE)-assisted decontamination activities (Reference C083). On January 25, 1990, the EPD issued guidance requiring generators to handle all rags and wipes as hazardous waste and noting that the guidance might affect decontamination, degreasing, lubricating, or any other activities that dissolved or mobilized other constituents (Reference C029). These memos were followed by two special procedures requiring that absorbent materials such as rags and wipes contaminated with F001-F005 solvents be classified as hazardous and that "use of unapproved solvents shall be discontinued except for Environmental Safety & Health (ES&H) purposes" (Reference C083). Waste generated prior to January 25, 1990, was to be segregated if it was suspected to be contaminated with solvents based on process knowledge.

Supplemental guidance issued on January 24, 1990, allowed rags contaminated with F003-listed solvents to avoid being considered hazardous provided that they did not contain free ignitable liquids (Reference C083). This policy was further supported in a February 6, 1990 memo outlining answers to generator questions regarding the solvent rag guidance and allowing the continued use of listed solvents such as Freon under certain conditions (Reference C083). As a result of this change, in October 1990, SRS Waste Management Operations stopped accepting newly generated waste until verification of a formal, auditable program to ensure proper management of hazardous and mixed wastes was completed for each generator (Reference C006). In addition, each Department was required to implement the site Blue Dot program for F-listed solvents and products containing Toxicity Characteristic (TC) constituents. This program required that a Blue Dot ID sticker be placed on any product that contained

RCRA-listed chemicals (References C006, C105, P003). It was noted that "the Blue Dot" program was identified as the primary control for chemical products that become hazardous waste upon disposal, but notes that U- and P-listed chemicals were not controlled under the Blue Dot program (Reference D069).

An inventory conducted in January 1990 found hazardous chemicals stored in HBL with current Material Safety Data Sheet (MSDS) information available (References C017, M051). The January 25, 1990 SRS EPD guidance on solvent rags was supplanted in HBL in August 1991 by a Blue Dot program for managing and labeling hazardous chemicals (References C090, P076). This program was noted in a 1991 TRU waste characterization document and other procedures, which noted that chemicals used in HBL are labeled with a Blue Dot under the Blue Dot Program if they may contain hazardous constituents (Reference D005, P003). By procedure, non-hazardous substitutes were to be researched for all chemicals with hazardous constituents; if no substitute could be found and a Blue Dot chemical was used, "every attempt to use all the product shall be made," which HBL personnel recalled (References C105, P076). An example of the implementation of this procedure is the replacement of Magnaflux and SpotCheck with the non-hazardous chemical Magnaflux Spotcheck SDC-S (Reference M051). Also, the facility Chemical Coordinator was to be consulted to determine proper management of Blue Dot chemical-contaminated waste materials used for application or cleanup. Non-empty Blue Dot chemical containers were prohibited from being placed in waste containers (Reference P076). According to HBL personnel, a site wide program listed Blue Dot chemicals like Magnaflux (Reference C105). Under this program, nothing with a Blue Dot was supposed to be used in the cabinets or huts; however, White Dot chemicals were safe to use (Reference C105). The Blue Dot program was still in place in 1999 and may still be in effect in HBL (References C105, D067). Procedures provided instructions to HBL waste generators on completing waste characterization forms such as the Radioactive Solid Waste Burial Ground Record (BGR) and TRU Waste Package Data (TWPD) (References C014, P026, P073).

The actual implementation of this program through the 1990s is documented to some degree in HBL procedures. According to HBL Waste Operators, they did start to segregate solvent rags out of TRU waste and place them in separate drums. HBL personnel noted that ascorbic/oxalic acids were used for cleaning instead of solvents; as a result, no organic solvent-contaminated kim wipes and swipes from inside of gloveboxes should have been packaged in TRU waste containers (References C105, P033). By 1993, procedures stated that liquids were to be removed from waste rags contaminated with F-listed solvents and that rags with F003 solvents were to be segregated from other F-listed solvent rags. Waste categories and any HWNs were written on an OSR 29-14 Hazardous Waste Label (Reference P090).

A 1996 procedure (Reference P026) describes the only HBL mixed waste generated routinely as "lead lined gloves that have been used in process cabinets." The type and quantity of mixed wastes were to be specified on Waste ID Slips stored with waste in a satellite area until containers were filled (or 11 5-gallon drums had accumulated) and then moved to a staging area (Reference P096). Storage of mixed waste in separate satellite accumulation areas was also specified in low-level waste procedures (Reference P103). Hazardous waste labels were explicitly required for waste cuts of lead-lined gloves. The procedure listed potential mixed waste in several places, but the exhaustive list includes lead, mercury, cadmium, acid, nitrates, and oil as major chemicals from HBL (References M037, P026); the procedure identified acids and nitrates as non-hazardous, provided that they were solidified. Figure 11, Flow Diagram Old HB-Line ^{235}U-^{239}Pu Scrap Recovery, which was not referenced anywhere in the text of the procedure, listed F001-F005 RCRA-regulated solvents and instructs "Using the MSDS chemical composition section, products must have greater than 10 percent of the following contaminants and be used as solvents to require a blue dot and have special disposal requirements." No mention of solvent rags was made in this attachment. Solvent waste was considered

procedurally as a separate category of waste from glovebox and hut wastes. The following guidance on packaging solvent rags was provided: remove as much solvent as possible from the rags, contact the waste handling supervisor for solvent classification before disposal, segregate rags "permeated" with F003 solvents from rags "permeated" with other F-listed solvents, and identify the waste with a hazardous waste label listing the HWN (F001-F005). After a 1997 revision of this procedure, hut waste was moved into a separate procedure with the same number and all information regarding solvent waste was removed. The only mixed waste contaminants listed were lead, mercury, and cadmium (Reference P026).

Consistent with this procedure, other 1996 procedures included Waste ID Slips or other generator waste characterization forms with spaces on which generators were to indicate Hazardous Materials present in the drum, with the following options: lead, oil, cadmium, mercury, calcium, and other (References P015, P034). A cabinet bag-port operation procedure and other later procedures specified that wastes were allowed to have only the following WIPP-acceptable EPA HWNs, although waste with other EPA HWNs could be accepted for storage with an approved deviation request (References P015, P094). In a 1997 procedure on packaging 55-gallon TRU waste drums, only the following options were included for labeling drums with hazardous South Carolina Department of Health and Environmental Control waste numbers: D001, D008, F002, F003, and other (Reference P014), although by October 1997, this list was replaced with guidance to contact the facility Generator Certification Official (GCO) for wastes other than leaded gloves. The term "mixed waste" also applied to TRU mixed waste (Reference P014). These procedures also continued to specify that drums containing mixed waste were to be stored in a separate Mixed Waste Staging Area (Reference P014).

According to Solid Waste Management (SWM) personnel, SRS waste generators started to assign F, U, P, and other HWNs to TRU waste after 1996. SRS had an agreement with the state regulator that it would manage waste with all possible applicable HWNs and remove HWNs if needed as characterization information was obtained (Reference C146).

Waste stream SR-RH-221H.01 may contain waste generated in HBL prior to January 25, 1990. As such, HWNs historically applied to this waste stream have been assessed on the basis of HWNs applied by generators in the 1986-1990 time period on TWPDs (Reference M014) and HWNs applied by SWM to the entire pre-1990 inventory (References D018, D021, D034, D075, P052, P061.

The HWN assignments have been applied on a waste stream basis; individual containers may not contain all of the hazardous materials listed for the waste streams as a whole. The assignment of these HWNs was based on a review of chemical inputs to the waste generating operations and hazardous materials potentially contaminating. the waste. In addition, MSDSs and other manufacturer information were obtained for the commercial products to determine the presence of RCRA regulated constituents.

The assignment of HWNs to waste stream SR-RH-221H.01 is based on the characterization of the corresponding CH waste stream described in AK Summary Report CCP-AK-SRS-4 (Reference 14). Since this RH stream consists of drums originally included in the corresponding CH stream, the HWNs assigned to the CH stream have been applied to any container determined to be RH. Waste was generated directly from these processes and from associated activities such as maintenance and decontamination.

Hazardous Waste Determinations

Ignitability, Corrosivity, Reactivity

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261, *Identification and Listing of Hazardous Waste*. Ignitable and reactive materials are not believed to be present in HBL TRU waste. Corrosive liquids also are not anticipated due to liquid waste absorption procedures that go back to the early 1970s; however, any containerized liquids found in TRU drums will be removed prior to certification of waste for disposal at WIPP. Operating procedures required all acids to be neutralized and all pyrophorics to be reacted before being packaged in TRU waste (References C067, P018, P094, P113). It is important to note that SRS treated absorbed acids and bases as non-hazardous based on the results of tests on absorbed nitrates (neutralized nitric acid), the largest potential corrosive material in job control waste, which indicated such waste to be non-hazardous (References C067, P073). Rinsing and neutralization of acid-soaked sponges and rags was required (References P026, P108). No free liquids were packaged for disposal (References P014, P094). This prohibition remained in place throughout the time period of waste generation, as evidenced by the prohibition against free liquids in the SRS WAC (Reference P050). Free liquids were instead required to be absorbed since at least 1977 with Celite (diatomaceous earth), soda ash, polyester cloths, and Oil-Dri (fullers earth and quartz) in a 3:1 ratio (References D005, D018, P015, P056, P063, P083, P094). Oily rags were also required to be packaged with 3:1 ratio of Oil-Dri absorbent to absorb any oily liquid (Reference P026). No RCRA-regulated quantities of ignitable, corrosive, or reactive chemicals in routine HBL TRU waste, including pyrophorics and explosives, are expected in this waste stream (References D005, P014, P015, P018, P073, P094, P113).

Ignitability

This waste does not exhibit the characteristic of ignitability as defined in 40 CFR 261.21. Ignitable liquids and oxidizers were used in H-Canyon and FB-Line operations. However, the waste is not a liquid, an ignitable compressed gas, or an oxidizer and is not capable of causing fire through friction, absorption of moisture, or spontaneous chemical change. In addition, prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of ignitability (EPA HWN D001) (Reference M169).

Although they were historically assigned HWNs (References D018, P052), sodium, phosphorus, and magnesium were not used as pure metal in the HBL process or associated activities (References C098, C116, C136, C152, D059). The facility did use non-reactive magnesium oxide (Reference C098). Calcium also was not used in HBL (References C098, C116).

Oxidizers are known to have been used throughout the time period of waste generation in operating areas where TRU waste has been generated or handled. Nitric acid in particular was used extensively as a process chemical (References C001, D007), as were hydrogen peroxide, iron nitrate, permanganates, and aluminum nitrate (References C098, C116, D058, D060, M058, M062, M063, P001). Hydrogen peroxide was used for Pu-239 processing probably in Scrap Recovery (References C098, C116). Hydrogen peroxide was removed from the HBL Basis for Interim Operations (BIO) (Reference D058) in a July 2001 revision. Permanganate used in the Lab Line was reduced with nitrite and excess sodium permanganate solution that was infrequently used was solidified or absorbed (Reference C136). Old HB-Line personnel recalled having a procedure that required neutralization of acids and possibly of such oxidizers (Reference C098). A 1974 procedure (Reference P063) for handling radioactive waste gave special instructions for "wet solid waste," which consisted of acid-soaked sponges, rags, atomic

wipes, or polypropylene cloths. Such waste was to be rinsed with water to remove any product and acid and then packaged with diatomaceous earth absorbent to absorb moisture (Reference P063). SRS also used a polypropylene felt, tested in 1965, for cleaning to minimize fire hazards due to oxidation of cellulosics (Reference C099). SARs and other documents from the 1990s maintained that free liquids were not packaged for disposal (Reference D088), but were instead absorbed with Celite (diatomaceous earth), soda ash, and Oil-Dri (fullers earth and quartz) (Reference D005).

Corrosivity

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity (D002) found in 40 CFR 261.22. The materials are not liquid; and prohibited items (e.g., prohibited amounts of liquids) identified during radiography will be remediated or removed from waste containers prior to shipment to WIPP. Therefore, this waste does not exhibit the characteristic of corrosivity (EPA HWN D002) (Reference M169).

The following corrosive chemicals were shown on a 2000 BIO report: nitric acid, sodium hydroxide, sodium hypochlorite, and sulfuric acid, as well as oxalic and ascorbic acids (Reference D058). Nitric acid was also used in New HB-Line for sump flushing (Reference C105). Caustics might also have been used during D&D (Reference M021). Neutralization kits were primarily used in HBL Special Recovery (References C105, C136, P027, P072, P082, P083, P108) and appear very often in generator waste descriptions (References M014, M015).

Beginning in the early 1970s, residual chemicals disposed in TRU waste were required to be absorbed and/or neutralized (References C032, C067, C098, P063). By 1989, SRS had tested absorbed/neutralized nitric acid and determined that it was non-hazardous for corrosivity (References C032, C067). Also, as previously stated, TRU waste containers were not to contain free non-residual liquids (References C098, D005). As early as 1974 and up to the present day, operating procedures and Solid Waste requirements (Reference D088) have required all acids to be neutralized (References C067, P093). If acids had been present on waste materials (such as rags), the materials were rinsed with water and then neutralized before being packaged with absorbent and sealed separately (References C078, P056, P070).

Reactivity

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. The materials are not a cyanide or sulfide bearing waste. The materials are not capable of detonation or explosive reaction. Therefore, this waste stream does not exhibit the characteristic of reactivity (EPA HWN D003) (Reference M169).

As previously stated, there were no reactive metals such as sodium, phosphorus, magnesium, or calcium used as pure metal, although HBL did use magnesium oxygen (Reference C098), a non-reactive oxide. Also, as of 1988 and by procedure even earlier, there were no routine TRU waste streams at SRS that contained pyrophoric materials or explosives (Reference D088).

During an interview, HBL generators stated that explosives are not expected in HBL waste, as HBL did not dispose of plutonium metal in drums. In addition, although changed out every five years (Reference C140), small explosive charge squibs in the fire system were replaceable from outside of the gloveboxes and therefore, if they were disposed as waste,

would not have been sufficiently contaminated to be transuranic (References C098, C140, C152). Hydrazine mononitrate was identified as an HBL process chemical through the mid 1980s, having been used as a dissolution process catalyst (References D007, D055). However, because it was a liquid, it would not have been placed in TRU waste containers without being absorbed, so it would not be considered to be explosive or reactive (Reference C152).

Non-radionuclide pyrophorics were not present in HBL operating area (Reference C001), although the radioactive pyrophoric plutonium was present. Under the certification program instituted in 1986, any pyrophorics were required to be treated to be non-pyrophoric (References C032, C067, P050) prior to packaging as TRU waste. Potentially air-reactive resins used in HBL processes are not packaged as TRU waste, but sent to the H-Canyon for disposal (References D005, D050). Under the TRU waste certification program in place during the period of waste generation, any potentially pyrophoric materials were identified in operating procedures and were required to be segregated and labeled non-certifiable (Reference P050).

Toxicity Characteristic

Based on review of AK relative to chemicals used or present in the HBL and supporting operations, waste stream SR-RH-221H.01 is contaminated with toxicity characteristic compounds as defined in 40 CFR 261.24. Where a constituent has been identified and there is insufficient quantitative data available to demonstrate that the concentration of a constituent is below regulatory threshold levels, the applicable EPA HWN is applied to the waste stream in accordance with the CCP AK procedure, CCP-TP-005.

Various metals may be present from several sources. One possible source was the plutonium oxide product itself, which could have up to the following concentrations of impurities: Al–100 Parts per Million (ppm), Be–1 ppm, Cd–25 ppm, Cr–175 ppm, nickel (Ni)–100 ppm, Pb–100 ppm, and Zn–50 ppm (Reference C110). However, these are maximum allowable quantities, rather than average quantities likely to be present in waste materials. One source stated that "typical" quantities of these metals in plutonium oxide product are Cd–10 ppm, Cr–100 ppm, and Pb–10 ppm (Reference C139); due to the very small gram loading of plutonium oxide product on waste materials, it is not expected that plutonium residues alone could cause waste to meet the toxicity characteristic threshold for these metals. Concentrations of RCRA metals cadmium, lead, chromium, and mercury in plutonium stabilization products do not exceed RCRA regulatory thresholds (Reference D005). In terms of impurities in scrap materials being processed through Scrap Recovery, the major types of scrap that had been processed up to date 1975 included floor sweepings rich in iron oxide, plutonium–beryllium neutron sources (plutonium oxide and plutonium), plutonium-molybdenum cermets (with and without thorium oxide), oxide combinations such as plutonium oxide, zirconium oxide, and plutonium–thorium oxide, and plutonium–zirconium alloy (References C010, D006).

Cadmium was listed as a possible contaminant in HBL TRU waste (Reference C002), although other sources suggest that it was not used (Reference C032, C116). Cadmium was used in plates around the New HB-Line in the vessel vent system (Reference C098), although it was not used in the Old HB-Line (Reference C152). HBL also did not use cadmium-coated HEPA filters (References C110, D005). Several source documents have been reviewed that indicate that prevalence of cadmium (References C139, D067, P015, P034, P073) in HBL TRU waste procedures and documents from the time period of waste generation. Based on its possible presence, the HWN D006 will be assigned for cadmium.

Chromium may be present in waste due to stainless-steel construction of gloveboxes and highly acidic (nitric acid) atmospheres corroding this material (Reference C098). In particular, in the New HB-Line, process vessels in Scrap Recovery were constructed of Type 304L stainless-

steel because of its corrosion resistance (References D003, D005). However, Toxicity Characteristic Leaching Procedure (TCLP) data regarding the leaching of Cr from Type 304L stainless-steel showed that only 0.10 milligrams per liter (mg/L) chromium leached from Type 304L, well below the toxicity characteristic level of 5 mg/L. Based on a study conducted in 1992, job control waste raw materials including yellow plastics do not contain enough chromium to exceed toxicity characteristic concentrations (Reference D041). Plutonium oxide powder with 100 ppm chromium, also does not sufficiently contaminate TRU waste to require the assignment of D007 for chromium (Reference C139). At this concentration in a drum with 50 kilograms (kg) of waste, about 2.5 kg of plutonium oxide product would have to be present in a single container of waste, even assuming 100 percent leachability of the chromium. Chromium was also present at 25 ppm in standards and tracers used in the Lab Line (Reference C136), although only small amounts of such materials would have been disposed in TRU waste. Old HB-Line personnel did not recall using chromium in their processes (Reference C116). Waste generators listed chromium on five container characterization forms, but these containers have been excluded from corresponding CH waste stream SR-W027-221H-HET, and therefore will not be part of SR-RH-221H.01 (References DR013, M009, M014, M169). Since about 2003, additional wastes assigned EPA HWN D007 have been generated. This waste is not included in the SR-RH-221H.01 waste stream. For these reasons, HWN D007 is not assigned for this waste stream.

Lead is expected in HBL TRU waste (References C002, M014) primarily from lead-lined gloves (References C014, C027, C032, C080, C090, C098, C116, M014) and in glovebox panels that were of a sandwiched stainless-steel-lead-water-stainless construction with acrylic/lead glass windows (Reference D056). Although job control waste raw materials including yellow plastics do not contain enough lead to exceed toxicity characteristic concentrations (Reference D041), lead-lined gloves are frequently generated and managed as TRU waste due to their 56.1-73.7 percent lead per pair; generators conservatively estimate 74 percent lead when completing OSR 29-90 forms (Reference D005). No shielding or bricks are expected in HBL waste except possibly in D&R waste (Reference C098), although HBL did use lead shielding (Reference C116). The New HB-Line was constructed with lead in gloveboxes, acrylic and leaded glass on the windows at the entry station, charge preparation gloveboxes, and wing cabinets (Reference D003). The dissolver and product transfer glovebox in new Special Recovery had only lead shielding with leaded glass on the windows. Generators indicated on TWPDs completed during the 1986-1990 time period (References C010, M014) the HWN D008 for lead. According to a 1996 procedure, the only HBL mixed waste generated regularly was, "lead lined gloves that have been used in process cabinets," (Reference P026). Drums containing mixed waste such as leaded gloves were to be stored in the Mixed Waste Staging Area (Reference P014). Although an aggressive segregation procedure was in place (References C105, C136, C152, D067, P026, P073) and generators did not indicate D008 for the segregated containers, some of the segregated containers were found to contain lead during CCP confirmation activities (References C163, DR013, M014, M015, M115). Considering all of the potential sources, the HWN D008 will be assigned for this waste stream.

Mercury was not thought by Waste Management or the Old HB-Line personnel to be commonly used in the facility (References C067, C098, C116) in order to avoid contamination of product material, although it was occasionally included on Waste Management lists because of potential uses of mercury thermometers in non-routine operation such as tank calibration (Reference C067). The Old HB-Line personnel did not believe that they used such mercury measurement equipment due to the need for greater sensitivity (Reference C098), but they did recall removing mercury manometers that may have been part of a vacuum system in room 454, circa 1984 (Reference C156). Also, job control waste raw materials including yellow plastics do not contain enough mercury to exceed toxicity characteristic concentrations (Reference D041).

There should be few or no fluorescent bulbs in the waste, as there were no lights inside of the cabinets where such bulbs could become TRU-contaminated (References C098, C116, C152). While small quantities of fluorescent bulbs may be present in waste from use in huts outside of gloveboxes (Reference C152), such material is not expected to contain sufficient mercury to cause TRU waste drums to be hazardous. Sample data from analysis of randomly-chosen drums of crushed fluorescent tubes indicated that the EPA TCLP concentrations of metals in these drums either were not above regulatory limits in any of the samples or were not present in sufficiently high concentrations to render a TRU waste drum with only one or two fluorescent bulbs hazardous (References C148, M048). Also, mixed waste receipts indicate that two drums filled with fluorescent bulbs have been disposed as low-level mixed waste, which supports the idea that fluorescent bulbs from outside the glovebox are not sufficiently contaminated to be TRU (Reference M098). Mercury vapor bulbs, according to the author of Reference M098 were actually fluorescent bulbs that were disposed as low-level mixed waste (Reference M098).

The 1970s-era Technical Standards for enriched uranium and plutonium recovery (References D007, D055) identified mercury as being used in recovery ion exchange (at 0.01M concentration) and in the dissolution of plutonium-aluminum alloys or scrap containing metallic aluminum. However, HBL technical support personnel stated that, although the technical standards allowed these activities, the ion exchange operation never ran in Special Recovery, nor were targets or aluminum scrap ever dissolved, in part because Scrap Recovery never received material directly from SRS reactors, as they shut down in the mid 1980s (Reference C156). Mercury catalysis was performed in the Canyon as noted by Old HB-Line personnel (Reference C098), but mercury-catalyzed dissolution was also tested and performed in HBL Scrap Recovery (Reference D055). Mercuric nitrate was also listed in a 1978 SAR as a "principle toxic...material present in the HBL" (Reference D052). Alkaline batteries that may be in TRU waste because HBL personnel did use flashlights (Reference C098) may contribute very small amounts of mercury, although alkaline batteries would not be present in sufficient quantities to exceed toxicity characteristic quantities (References C150, C152). Finally, Old HB-Line personnel recalled that some mercury may have been found during D&R activities or in gloveboxes, associated with pumps and other equipment (Reference C156). Mercury was to be recovered by a vacuum flask aspirator and water, otherwise a spill kit was used. Mercury clean up materials were considered EPA Hazardous waste (Reference D001). Because there is a potential for thermometers, manometers, fluorescent bulbs, and othermercury-containing equipment in TRU waste, EPA HWN D009 will be assigned for this waste stream.

Methylene chloride is the only solvent-type chemical used in HBL for which an F-listed HWN could not be assigned due to its non-solvent use. However, methylene chloride is not listed as a toxicity characteristic organic solvent. SRS has determined, however, that the following HWNs should be assigned to the waste stream (Reference C155), although no evidence of the use of some of these chemicals has been found as summarized in Section **Error! Reference source not found.**: carbon tetrachloride – D019, chloroform – D022, 1,1-Dichloroethylene – D029, tetrachloroethylene – D039, TCE – D040, and vinyl chloride – D043.

Listed Waste

F-Listed Waste

Based on review of AK relative to chemicals historically used or present in the HBL, waste stream SR-RH-221H.01 contains or is mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR, Part 261.31. HWNs F001, F002, F003, and F005 were historically applied to SRS HBL TRU waste generated before 1990 for solvents including carbon tetrachloride, perchloroethylene, 1,1,1-trichloroethane, TCE, acetone, and methanol (References D018, P052). The HBL personnel during interviews could not remember using carbon tetrachloride, chloroform, dichloroethylene, 1,4-dioxane, chloroethylene, methanol, 1,1,2,2-tetrachloroethane, tetrachloroethylene, or vinyl chloride in Old HB-Line or in the 1980s in the New HB-Line (References C098, C105), except for carbon tetrachloride and chloroform used during the 1950s (References C104, C152, D059). Dioxane is not believed to have been present in HBL except perhaps as an impurity in commercial-grade trichloroethane (References C098, C105, D059). Also, no evidence was found that vinyl chloride has ever been used in HBL (References C098, C105, C136, C152, D059), nor were any procedures located that specified precautions or special handling techniques for this very reactive chemical. However, HBL personnel did recall that much more painting occurred in the Old HB-Line than in the new one due to better materials and coatings used in the construction of cabinets in the New HB-Line (Reference C105).

Several sources suggested that HBL TRU waste may have been contaminated with acetone (Reference C002). Acetone was believed to have been used for degreasing (Reference D059) and as a solvent by construction personnel (Reference C032). The Old HB-Line Operators recalled that acetone was used in the 1950s and 1960s to repair gloveports but not in the 1970s (Reference C098). Acetone was also used to clean the edges of "Mipple M" wall covering panels in rooms, although not in gloveboxes (Reference C105). Acetone was also present in up to 30 percent concentrations in Magnaflux Spotcheck products (References C098, C105, M051) that were used in HBL. After January 25, 1990, generators did not indicate a HWN for any F-listed solvent on their TWPDs or TWCCs (References M014, M015, M115) for any drums, nor did the procedures for completion of these forms mention any solvents during much of the time period of waste generation (Reference P073). Under the Blue Dot program, acetone would not have been used inside of gloveboxes; however, some evidence indicates that acetone was used during the 1990s as a solvent to remove plastic congealed on glovebox floors (Reference C158). Acetone would have been used outside of gloveboxes during decontamination events associated with glove failures, leaks, or other unusual events, such as the following HBL events that occurred from August 1986 to July 1996, possibly resulting in TRU waste generation: five leaks/inadvertent transfers; six personnel contaminations; two incorrect product feeds, and one glovebox fire (Reference D058). Acetone was also used by Maintenance to clean up contamination outside of gloveboxes during a contamination event that occurred in about 1994 (References C156, C157). Although this use might have generated low-level mixed waste with TRU isotope contamination <100 nCi/g consistent with LLW procedures (References D050, D092, P103), no low-level mixed waste contaminated with solvents has been generated in HBL since January 25, 1990 (Reference M098). The facility also stated that waste from this decontamination effort probably was packaged as TRU Waste (Reference C157). Acetone was also present in HBL chemical inventories in small (less than 1-gallon) quantities in 1990, 1991, and 1994 (Reference M099). In addition, it was on a year 2000 list of chemicals allowed to be stored for use in HBL (Reference D058), although the allowable quantity of this chemical was decreased (but not removed entirely) in a July 2001 revision. Finally, a 1996 TRU waste packaging procedure explicitly provided for the first time the option of assigning HWNs F002 and F003 if applicable (Reference P014).

1,1,1-Trichloroethane was not used as a pure commercial chemical (References C098, C105, C152), but it was present as the primary solvent in Magnaflux SKC-NF/ZC-7B Cleaner/Remover (Reference M051), which was used in the HBL (References C017, C105). As a result, the HWN F002 will be assigned for 1,1,1-trichloroethane.

TCE was used as a solvent in Raycohesive® B-32, a glue used to seal drum liner lids (References C057, P048). A HWN would not be assigned solely on the basis of this packaging-related use. One other source document also suggested that TCE was not used in HBL (Reference C032). However, TCE was the primary solvent in a trade-named chemical called Triclene that was used in the Old HB-Line (References C098, M051). Because of its solvent usage, the HWN F002 will be assigned for TCE.

In addition to information about chemicals included on lists of historically applied HWNs, evidence of the use of other solvents was found. Freon was used as a coolant in the New HB-Line vessel vent system (Reference D003) and in the Old HB-Line process refrigeration units (References C032, C116). Some Freon from the vessel vent system was disposed due to a leak; this leak cleanup would have generated contaminated TRU waste (Reference C098), although Freon from this source would not be considered hazardous waste because it was not being used as a solvent. However, other sources suggest that Freon was used in HBL (References C002, C017) for decontamination (Reference C032) and/or as a cleaning agent throughout the facility (Reference C067), even though New HB-Line personnel stated that Freon was not used for decontamination (Reference C105). Based on this solvent/cleaning agent usage, the HWN F002 will be assigned for Freon (a chlorofluorinated hydrocarbon).

Source documents discussing MEK differ on whether it was (Reference C002) or was not used (Reference C032). It was definitely a solvent in PVC cement used in the facility (Reference C017). Because spent PVC cement may have been included in TRU waste containers, the HWN F005 will be conservatively assigned for this chemical.

Methylene chloride is expected only associated with use in the adhesive MOR-AD® B 32 (and in its predecessor Raycohesive® B-32), which were used to bond together Type II 90-mil drum liner lids and bodies used in conjunction with the 55-gallon U.S. Department of Transportation (DOT)-17C drums to package and transport TRU waste (References C057, P048, P059). Because its use is only associated with packaging, a HWN will not be assigned for this contaminant. Ethyl acetate was present at 40 percent as a solvent in Magnaflux Spotcheck developer (Reference M051), which was used in HBL (Reference C105). Even though HWN F003 was originally assigned to CH waste stream SR-W027-221H-HET, the F003 constituents, including acetone, ethyl acetate and methanol are listed solely because these solvents are ignitable in the liquid form. The waste stream will not exhibit the characteristic of ignitability because it is not liquid; therefore, F003 is not assigned. Cyclohexanone was also identified but as a part of a chemical formulation not used for any solvent properties, therefore, F003 is not assigned for cyclohexanone.

In summary, the following HWNs will be applied to the SR-RH-221H.01 TRU waste stream: F001 for carbon tetrachloride, 1,1,1 trichloroethane, tetrachloroethylene, and TCE (Reference C155); F002 for Freon, TCE, tetrachloroethylene, and 1,1,1-trichloroethane; and F005 for MEK. Although there were no industrial degreasing processes occurring in HBL (References C098, C105, D003, D005, D006, D048, D061), the F001 HWN will be assigned as shown above for the chlorinated hydrocarbons discussed per SRS guidance.

K-Listed Waste

The materials in waste stream SR-RH-221H are not hazardous waste from any of the sources specified in 40 CFR 261.32. Therefore, waste stream SR-RH-221H is not assigned a K-listed HWN.

P- and U-listed Wastes

With the exception of hydrazine (HWN U133), this waste stream was not mixed with a discarded commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. No other P- or U-listed wastes were identified on the container paperwork (e.g., 29-90 forms). Also, other chemicals are present only as contamination on waste materials, rather than as pure commercial chemical product. Other process chemicals were used for their intended purposes and were not capable of contaminating with waste stream as pure or unused chemical product (Reference M169).

A 1995 SWM document (Reference D059) describes that the process piping in HBL is welded stainless steel and contains no mechanical joints. Because process vessels are enclosed in cabinets and, in the New HB-Line, piping outside of cabinets was jacketed, spills were minimized, though not eliminated. In the Scrap Recovery process, four types of events were described that could create MTRU waste: leaks, dropped containers, overflow of process vessels such as dissolvers and product hold tanks, and uncontrolled chemical reactions, some of which are known to have occurred (References C098, C105, C114, D005, D064, D065, D066), in addition to other waste generating events such as glove failures. Cleanup operations from such events could result in spilled listed material entering the TRU waste stream, especially given that the Old HB-Line sumps were not equipped with nitric acid flush systems (Reference C105).

The SRS Solid Waste Division determined that the RCRA HWN U134 for hydrofluoric acid did not apply to HBL/H-Canyon waste generated prior to 1986, the basis for this determination was the belief that hydrofluoric acid had not been used in the facility (Reference D059). Old HB-Line personnel recalled that hydrogen fluorine ceased to be used after 1973 (Reference C098), was used only before 1970 in the Pu-239 oxide process (Reference C152), and/or was never used in Special Recovery (References C104, C116, C152). References to ubiquitous use of fluoride ion in Scrap Recovery (Reference D055) are consistent with information from Old HB-Line personnel that they used potassium fluoride, rather than hydrofluoric acid (Reference C152). On the other hand, technical standards state that hydrofluoric acid was brought into the New-HBL as a liquid during the Cassini mission (10/90-6/95 in Scrap Recovery, 1/93-8/95 in plutonium oxide) to adjust fluoride concentrations (References D005, D050). However, HBL managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical (Reference C156) or used as a pure chemical in any process, consistent with scrap dissolution procedures (Reference P105). Hydrofluoric acid was also used in the lab line during the Cassini Impurity Analysis Program from about 1994-95 for determination of solids in liquids, for solid sample dissolution, and in standards used for trace metals analyses (although it would not have been the sole active ingredient in the latter formulation) (Reference C136). However, all lab chemicals were prepared in Building F/H Area Laboratory (Reference C136) and bagged into the HBL after dilution; hydrofluoric acid was diluted to 0.1 M strength with nitric acid before entry into HBL for solids dissolution (Reference P104), so that pure chemical hydrofluoric acid could not have contaminated HBL TRU lab waste. Because hydrofluoric acid was not brought into HBL as a pure commercial chemical and was used for its intended purpose, the HWN U134 will not be assigned for this waste stream.

Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during neptunium oxalate precipitation; the maximum allowable concentration was 0.15M (References D007, D055). Some Old HB-Line Facility personnel did not believe that pure liquid hydrazine was disposed as TRU waste (Reference C152), or only recalled using hydrazine mononitrate (References C098, C104, C105, M058, M062, M063), while other personnel discussed use of hydrazine (References C116, C152). However, it is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery, as previously described. On this basis, the HWN U133 will be assigned for hydrazine.

Beryllium is expected to be present in TRU waste as a contaminant in plutonium oxide product (Reference C110) and because of the dissolution of plutonium-beryllium neutron sources and plutonium oxide.beryllium mixtures in Scrap Recovery (References D005, D006, D067, D115). Any beryllium that was dissolved, however, was sent to the H-Canyon as solution where the plutonium was recovered and the remaining solution (including beryllium) was discarded to waste tanks. Any beryllium remaining in the Scrap Recovery Facility TRU waste would be present only in trace quantities (References C178). Waste packages that contain beryllium are therefore expected only in particulate form as an impurity or in residual trace amounts less than 1 percent by weight of the waste in each drum (References M122, M133). Beryllium was never known to have been brought into the facility as a pure commercial chemical in powder form (References C151, D059). Therefore, waste stream SR-RH-221H.01 is not a P015-listed waste for beryllium powder.

Polychlorinated Biphenyls

Polychorinated biphenyl's (PCBs) are not expected to be present in this waste. Potential sources of PCBs include oil-filled electrical equipment, fluorescent light ballasts, and hydraulic oils. There were no large electrical units (capacitors) identified for this building (Reference C084) and no such electrical equipment identified in this waste (Reference C116). There were no fluorescent light fixtures located inside gloveboxes (Reference C105). Hydraulic oils (References C116, C152) used in the HBL were evaluated and found not to contain PCBs (Reference C161). Contaminated oil in neptunium-Line hydraulic system sumps was absorbed in liter bottles (Reference C105) but would not contain PCBs because it would have been manufactured long after the date on which PCB manufacture was banned in the U.S. Therefore, waste stream SR-RH-221H.01 is not regulated as a Toxic Substance Control Act (TSCA) waste under 40 CFR 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitions* (Reference M169).

Prohibited Items

As discussed above, pyrophorics and explosives are not expected in this TRU waste stream. No compressed gas cylinders or explosives are expected (Reference C105). Any prohibited items identified during radiography will be processed (e.g., absorbing residual liquids, opening sealed containers greater than four liters, venting pressurized containers) to correct the deficiency (References P109, P110, P111, P112).

Method for Determining Waste Material Parameters Weights per Unit of Waste

The waste material parameters (WMPs) for the waste stream were estimated by using the characterization data from CH waste stream SR-W027-221H-HET and contained in the WIPP Waste Data System (WDS) for 7,014 drums from radiography lots 1 through 143 which give data available up through February 3, 2006. The waste in this RH waste stream is physically identical to the CH portion (the only difference being the surface dose rate on the drums). The

CH data is therefore representative of the RH containers. Waste items were categorized into one of the following WMPs: iron-based metals/alloys, aluminum-based metals/alloys, other metals, other inorganic materials, cellulosics, rubber, plastics (waste materials), inorganic matrix, organic matrix, and soils/gravel. The WMP weights were assessed and an average was determined that was applied to the RH waste stream. The results of the assessment are presented in table, Waste Stream SR-RH-221H.01 Waste Material Parameters.

Waste Stream SR-RH-221H.01 Waste Material Parameters

Waste Material Parameter	*Estimated Weight Percent*	*Weight Percent Range*
Iron-based Metals/Alloys	25.80%	0.0 – 97.27%
Aluminum-based Metals/Alloys	1.06%	0.0 – 64.63%
Other Metals	0.28%	0.0 – 70.87%
Other Inorganic Materials	9.29%	0.0 – 93.69%
Cellulosics	5.70%	0.0 – 95.41%
Rubber	16.69%	0.0 – 97.56%
Plastics (waste materials)	40.43%	0.0 – 98.36%
Inorganic Matrix	0.70%	0.0 – 92.50%
Organic Matrix	0.05%	0.0 – 16.80%
Soils/Gravel	0.04%	0.0 – 73.68%
Total Inorganic Waste Avg.	**37.13%**	
Total Organic Waste Avg.	**62.86%**	

List of AK Sufficiency Determinations Requested for the Waste Stream

There are no AK sufficiency determination requests for this waste stream.

Transportation

This waste stream and its chemical constituents have been reviewed for consistency with listed TRUCON codes and they are consistent.

Beryllium

Beryllium will not be present in amounts greater than 1% by weight of the waste in each payload container.

Radionuclide Information

RH waste stream SR-RH-221H.01 consists of drums originally included in the corresponding CH waste stream SR-W027-221H-HET. Radiological characterization for waste stream SR-W027-221H-HET has identified the radionuclides suspected to be in waste stream SR-RH-221H.01. The certified NDA results from the WDS for 2,890 CH drums were averaged and are presented in table, Reported Radionuclides in Waste Stream SR-RH-221H.01.

Reported Radionuclides in Waste Stream SR-RH-772F.01

Radionuclide	Total Radionuclide wt%	Suspected Present?
WIPP Required Radionuclides		
Pu-238	8.12	Y
Pu-239	5.41	Y
Pu-240	0.41	Y
Pu-242	0.02	Y
Am-241	0.05	Y
U-233	0.04	Y
U-234	3.94	Y
U-238	18.53	Y
Cs-137	0.0	Y
Sr-90	0.0	Y
Additional Radionuclides		
H-3	0.0	Y
C-14	0.0	Y
Na-22	0.0	Y
Ni-59	0.0	Y
Co-60	0.0	Y
Se-79	0.0	Y
Tc-99	0.0	Y
Ru-106	0.0	Y
Sb-125	0.0	Y
Sn-126	0.0	Y
I-129	0.0	Y
Ba-133	0.0	Y
Pb-214	0.0	Y
Ba-137m	0.0	Y
Cs-134	0.0	Y
Ce-144	0.0	Y
Pm-147	0.0	Y
Eu-152	0.0	Y
Eu-154	0.0	Y
Tl-208	0.14	Y
Bi-214	0.0	Y
Ac-227	0.0	Y
Th-232	57.17	Y
U-232	0.0	Y
U-235	2.88	Y
U-236	0.0	Y
Pu-241	0.15	Y
Am-243	0.0	Y
Cm-243	0.0	Y
Cm-244	0.0	Y
Cm-245	0.0	Y
Np-237	3.16	Y
Cf-249	0.0	Y

Payload management will not be utilized for this waste stream.

Source Documents

Tracking Number	Title
C001	Memo to TRU Waste Coordinators, J.A. Schlesser: WIPP Certification Plan
C002	Memo: Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C006	Memo: Suspect Hazardous Waste Handling Requirements
C008	Memo to V.G. Dickert, et. al.: Guidance for Continual Surveillance for Hazardous Waste
C010	Memo: Disposal of TRU Boxed Waste
C011	Memo: Disposal of Spray Cans with Material
C012	Memos: Characteristics of SRS TRU Boxed Waste
C014	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program
C017	Memo to R.F. LeBert: Hazardous Products in Our MSDS Books (U)
C018	Memo: ALARA 1146 Clarification (U)
C020	Memo: BH-38 Decontamination Material Mix-up
C024	Memo to G.W. Earle: Neptunium Shielding Calculations
C027	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989
C029	Memo to R.L. McQuinn, et. al.: Program for the Handling of Hazardous Waste Rags and Wipes (U)
C031	Meeting-HB Line Decommissioning - Disposal of Neptunium Sweeping
C032	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C038	Memo to J.P. Duane re: 221-H B-Line History
C039	Memo to R. Anderson re: Neptunium Sweepings, 221-H B-Line
C040	Memo to F. Lustig Re: Project S-2991 Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits
C044	Memo to HB-Line Distribution re: Validation of the HB-Line Plutonium Oxide Facility Glovebox Cabinet Cleanout
C045	Nuclear Safety Limits for Various Isotopes in the Burial Ground
C046	Nuclear Criticality Safety in Storing WIPP Certified TRU Waste
C047	Nuclear Safety Limits for Various Nuclides in Burial Ground Concrete Culverts
C048	TRU Mixed Waste Generation and Characterization
C050	Requested Information Regarding TRU Variance Letter
C054	Requirements for Packaging Transuranic Waste
C055	Instructions for Using Revised Burial Forms
C057	A Comparative Evaluation of Raycohesive® B-32 and MOR-AD® B-32 Adhesives
C058	Information Concerning the Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)
C063	Operational Practices During Emplacement of Transuranic Waste on TRU Pads 1-6 in the SRS Burial Grounds
C066	Interview of C. McClard Regarding the HB-Line Process Timeline
C067	SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition
C069	Description of Transuranic Solid Waste at Savannah River
C071	WIPP-Waste Acceptance Criteria
C075	Memo: Identification of TRU Waste
C077	Memo: Program for Identification and Segregation of Transuranic Waste with Contamination Levels Between 10 and 100 nCi/g
C078	Letter to J.P. Duane: HB-Line Waste Packaging Requirements
C079	Memo to T.H. Gould: Systems Analysis Applied to TRU Waste Management (U)
C080	Memo: Pb-Lined Gloves Telephone Calll to O. Fordham, Letter to O. Fordham: Pb-Lined Gloves and Request for Concurrence to use the Exemption from Particle Size Reduction in the TCLP Method 11311 for Lead Lined Gloves (U)
C083	Miscellaneous Correspondence on Solvent Contaminated Waste (a-f)

Tracking Number	Title
C084	Memo to M.J. Sires: Polychlorinated Biphenyl's (PCBs) Used in Electrical Equipment
C086	Letter to O.M. Morris: Segregation of Combustible TRU Waste
C088	Record of Communication – Interview of Mr. Odum and Mr. Maloney
C090	Telephone Conversation with Carol Allgood, NMMD: Blue Dot Program at FB-Line and HB-Line
C091	Record of Communication – Atomic Energy Defense Activities
C093	Letter re: TRU Waste Packaging Requirements Polyethylene Boxes for HEPA Filters
C094	Record of Communication — Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line
C098	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon
C099	Memo to W. Doe re: Tests on Polypropylene Felt
C100	Memo to T. Reilly re: Problem No. ST-SS-G-039 Sources of Contaminants in $238PuO_2$
C104	Notes from Interview of J. "Chip" McClard
C105	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor
C110	Letter to R.D. Leedle: Savannah River Plant Project S-2256 — Replace Obsolete Processing Facilities 221-HB-Line DA-221-H Plutonium-238 Oxide Product Quality
C114	Separations Incident SI-80-11-140
C116	Record of Communication with Mike Mobley
C117	Letter to R.C. Anderson: Neptunium Sweepings Packaging, 221-HB-Line
C129	Radioactivity and Dose Rates from Aging Plutonium in Future Waste Management Operations (U)
C131	Email: Job Hazard Analysis of Scrap Recovery Clean Out Work (U)
C132	Letter to R.E. Meadors, R.C. Anderson: Handling TRU Waste From H-Canyon Frames
C134	Memo to D.H. Thomas: Burial of Old Frames and Sample Aisle Equipment
C135	Memo to D.H. Thomas: Disposal Methods For Pu-238 Frame I
C136	Record of Communication for Interview of C. Ryberg and R. Mahannah
C139	RCRA Characterization of SRS-Produced Plutonium Oxide
C140	E-Mail to P. Fulghum: Squib Igniters Used In "Halex" Fire Suppression
C146	Record of Communication for Interview of D. Gartland by J. Whitworth
C148	Summary of SRS Correspondence and Data on Fluorescent Light Bulbs
C150	Record of Communication for Interview of M. Boolish by T. Burns and W. Estill: Mercury Content in Batteries
C151	Letter to M.A. Kokovich: Removal of P015 Waste Code from TRU Waste Containers
C152	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk
C155	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Interoffice Memo, From: C.B. Stevens, To: M.A. Kokovich
C156	Record of Communication: Interview of Bob Smith, Rick Burns, and Jim Barber, Subject: TRU Waste and Hazardous Chemical Usage in the New HB-Line
C157	Record of Communication: Interview of Ray Smith and Betty Bush, Subject: Use of Chemicals (Acetone) by HBL Maintenance
C158	Record of Communication — Interview with J.W. Barber Re: Use of Acetone in the New HB-Line Facility
C161	Fyrquel Hydraulic Oil
C162	Pu-238 Spectrum
C163	Re-evaluation of Savannah River Site HB-Line waste streams
C164	Interview with Ann Gibbs concerning Thorium-232 in the HB-Line Waste
C165	Record of Communication: Discussion of Greater Confinement Disposal (GCD) at SRS.
C178	Email correspondence with Jeff Lunsford regarding beryllium
C197	Memo to CCP Record re: Addition of Containers to Waste Stream SR-RH-221H.01
C217	Interoffice Memorandum from Marcia Birk to M. G. Looper and Cary Stevens. RE: Path Forward for Silver Berl Saddle Management
C219	Waste Stream Container Evaluation Memorandum for Waste Stream SR-RH-221H.02
C1001	Waste Stream Container Evaluation Memorandum for Waste Stream SR-CH-221H.02

Tracking Number	Title
D001	Analytical Laboratories Laboratory Technician Program, Proper Handling of Spills
D003	Building 221-H, B-Line Scrap Recovery Facility (SUP 2A) Safety Analysis Report
D004	Dismantlement and Decontamination of a Plutonium-238 Facility at SRS
D005	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)
D005A	Characterization of HB-Line Transuranic (TRU) Waste
D006	Technical Manual — Plutonium-238 Scrap Recovery, Building 221-H
D007	221-H-SP Technical Standards (UCNI)
D009	Revised Pre Title I Design Safety Evaluation for the Retrieval Operations of Transuranic Waste Drums in the Solid Waste Disposal Facility (U)
D010	Radioactive Waste Burial Grounds
D011	Storage of Solid Radioactive Waste
D012	Solid TRU Waste Processing and Retrievable Long-Term Storage –Technical Data Summary
D013	Storing Solid Radioactive Wastes at the Savannah River Plant
D014	Radiogenic Gas Accumulation in TRU Waste Storage Drums
D015	Savannah River TRU Waste Inventory Workoff Plan
D016	Implementation Plan for Buried Transuranic Waste at the Savannah River Plant
D018	Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)
D019	History of DuPont at the Savannah River Plant
D020	Safety Analysis – 200 Area Savannah River Plant Burial Ground Operations
D021	System Plan for the Solid Waste Division
D024	Statement of Work Chemical Inventory and Characterization of Waste Container Contents by Surface Acoustic Wave Technology
D026	Solid Waste Division 1998 System Plan
D027	Transuranic Waste Projections at SRS for Long Range Planning (U)
D029	Strategic Plan for Savannah River Site (SRS) Transuranic Waste
D030	Savannah River Site Solid Waste Management Facility Safety Analysis Report
D031	Savannah River Site Transuranic Waste Program
D034	Transuranic Waste Baseline Inventory Report
D035	U.S. Atomic Energy Commission AEC Manual: Chapter 0511 Radioactive Waste Management
D037	Management of Transuranic Contaminated Material
D038	Radioactive Waste Management
D041	Response to DOE Request for Status on Procurement and Disposal of Yellow Pigmented Items at SRS (U)
D043	Chapter 20, Savannah River Site at Fifty: Steward Ship and Legacy
D044	Old Radioactive Waste Burial Ground
D046	Researcher Provides a Historical Perspective for Plutonium Heat Sources
D048	Technical Standards For H-Area B-Line Scrap Recovery
D049	Technical Standards for H-Area B-Line, Neptunium Oxide Facility
D050	Characterization of HB-Line Low-Level Waste
D051	Milliwatt Surveillance Program Ensures RTG Safety and Reliability
D052	Systems Analysis — 200 Area Savannah River Plant HB-Line Operations
D053	Physical Behavior of Pu-238 Oxide (U)
D054	Thorium Processing in H-Canyon Technical Standards
D055	Technical Standard Enriched Uranium and Plutonium Scrap Recovery in HB-Line
D056	Safety Analysis — 200 Area; Savannah River Plant, Separations Area Operations, H, B-Line, Plutonium Oxide Facility (Sup 2C)
D058	HB-Line Basis for Interim Operation (U)
D059	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Before 1986
D060	Calc Note — HB-Line Chemical Hazard Analysis (U)
D061	Technical Standards for H Area B-Line Plutonium Oxide Facility
D062	Recovering U-235 and Pu-238-Pu-239 in HBL
D064	Separations Incident, SI-76-24 — Solids in Filtered Enriched Uranium Scrap Solution – 221-HB-Line

Tracking Number	Title
D065	Separations Incident, SI-76-16 — Unexpected Reaction in Scrap Recovery Dissolver – 221-HB-Line
D066	Separations Incident, SI-81-5-52 — Contamination Release, HB-Line Scrap Recovery Facility
D067	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan
D069	Separations HB-Line Low-Level waste Certification Plan Assessment Report (U)
D075	1992 Renewal application for a RCRA Part B Permit, Savannah River Site Volume XIII – TRU Pads Facility and Waste Certification Facility, Revision B, December 21, 1993
D079	TRU Waste Acceptance Criteria for the Waste Isolation Pilot Plant
D080	Los Alamos National Laboratory Transuranic Waste Characterization/Certification Program, Acceptable Knowledge Summary Report for Combustible/Noncombustible, Metallic, and HEPA Filter Waste Resulting from 238Pu Fabrication Activities
D084	Technical Safety Requirements Savannah River Site — Solid Waste Management Facility (U)
D088	Savannah River Certification Plan for Newly Generated, Contact-Handled Transuranic Waste
D090	Test Authorization No. 2-917 for Cleanup of Room 311 Sumps
D092	Low Level Radioactive Waste/Mixed Waste Certification Plan Separations HB-Line Facility
D095	History of DuPont at the Savannah River Plant
D098	SRP Thorium Processing Experience
D099	Sample Schedule for HB-Line and the Compact Billet Line in 235-F
D101	Works Technical Report for July 1977
D107	Active Well Neutron Coincidence Assays for U-235 Content in HB-Line Desicooler Repackage Campaign at the Savannah River Site
D108	Analysis of Events Associated with First Charge of Desicooler Material
D109	Draft Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to Production of Radioisotope Power Systems
D110	Westinghouse Savannah River Company Annual Report 2003
D111	Westinghouse Savannah River Company Annual Report 2004
D112	Annual Report Washington Savannah River Company 2005
D113	Washington Savannah River Company, Setting The Stage For Tomorrow, 2006 Annual Report
D114	Neutralization of Plutonium and Enriched Uranium Solutions Containing Gadolinium as a Neutron Poison
D115	Dissolution of FB-Line Residues Containing Beryllium Metal
D116	HB-Line Safety Analysis Report (U)
D120	Dissolution of Fissile Materials Containing Tantalum Metal
D124	Systems Analysis — 200 Area Savannah River Plant. Chemical Separations Facilities Canyon Operations, Volume 1
D127	Treatability Variance for Silver Coated Packing Material
DR001	Discrepancy Resolution: Physical Form Leaded Gloves
DR013	Consolidation of waste streams
M009	TRU Waste Drum Data Sheet for Five Containers
M012	Operations Pre-Plan Checklists (ADM-HB-4177)
M014	Burial Ground Records and TRU Waste Package Data Forms
M015	TRU Waste Container Characterization Forms (OSR 29-90)
M021	Dismantlement and Decontamination at the Savannah River Site
M022	HB Line's New Facility Finishes First Campaign
M023	Radiological Work Permit for packaging of a high rate HEPA filter from Room 514.
M026	SR-W027 DOE waste stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MITI)
M027	Chronological History of the TRU Drum Vent Filter
M028	History of Transuranic Waste Management at the Savannah River Site
M030	Characterization of SRP Retrievably Stored Transuranium Waste
M034	Presentation: Savannah River Site Mixed waste streams Data and Photo Catalog

Tracking Number	Title
M037	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)
M040	Presentation: Savannah River Site Transuranic Waste Program
M041	Presentation: Savannah River Site Waste Characterization Plans
M046	Power Point Presentation: Storage and Disposal History
M047	TRU Waste
M048	Fluorescent Tube Disposal Gets OK
M051	MSDSs
M052	COBRA Database Update
M054	Miscellaneous SRS Maps and Location Information
M055	Questions Regarding Drum Retrieval Plans
M056	Old HB-Line Pu-238 Powder Can Inventory
M057	Waste Acceptance Criteria for USF/HB-Line Waste Handling Facility
M058	Notes — HB-Line TRU Waste
M061	Figure 2 — Schematic of New HB-Line Plutonium-238
M062	Old HB-Line Pu-238 Powder Can Inventory
M063	Handwritten table of chemical information
M066	HB-Line AK Tracking Spreadsheet
M069	HB-Line Process History 8/11/70 Through 10/25/74
M073	Accountability Book: Uranium Receipts, Charges, Transfers
M082	Clarification of Scrap Declaration
M094	Accountability Book 4
M095	Accountability Book: SR-IC-50 and MOUND Pu-238 Guide: Receipts and Waste to Burial Ground
M096	Accountability Book: Scrap Book II, Receipts, Dissolver Charges, Waste to Burial Ground
M098	Low Level Mixed Waste Inventory from HB-Line, Post-1990
M099	Chemical Inventory Data
M108	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M109	Evaluation of 62 Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line)
M110	Evaluation of 32 Additional Containers for SRS-4 waste stream SR-W027—221H-HET (HB-Line)
M112	Excel spreadsheet: waste material parameter analysis for SR-W027-221H-HET waste stream
M115	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions
M122	Acceptable Knowledge Beryllium Assessment for CCP-SRS- AK Reports 1 through 7
M125	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions 6/1/05
M126	Evaluation of Additional Containers for SRS-4 waste stream SR-W027-221H-HET (HB-Line). May 19, 2006
M127	29-90 Forms for drums Added May 19, 2006
M131	INL-Built Nuclear Power Systems Crucial to Future Space Missions – A Growing Mission with High Visibility
M133	Support Data for the Addition of Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)
M134	Material Safety Data Sheets (MSDS) for Decon Products in NOP 221-HB-4989
M169	Waste Stream SR-RH-221H.01 Container Specific Evaluation Information
M183	Waste Stream SR-RH-221H.02 Container Documentation
M1001	Waste Stream SR-CH-221H.02 Container Documentation
P001	Excess Permanganate, Technical Reference, Procedure Manual L3.11
P003	Proper Disposal of Hazardous Waste in RCA
P004	H-Canyon / Of-H / Old B-Line Facility-Specific Waste Minimization Plan
P007	Changing Internal Cabinet HEPA Filters and Cabinet Supply HEPA Filters, Phase I (U)
P007A	Changing Internal Cabinet HEPA Filter and Cabinet Supply HEPA Filter (U)
P014	Packaging and Sealing TRU Waste in 55-Gallon Drums (U)

Tracking Number	Title
P015	Cabinet Bagport Operations (U)
P016	Operations Pre-Plan Checklist/Pre-Job Briefing (U)
P018	TRU Waste Drum Data Sheet
P022	Changing Gloves/Bags/Safety Covers Using Glove Ejection Tool (U)
P023	Cleaning and Removing Plastic Huts (U)
P024	Draining of Process Jacket Piping (U)
P025	Flushing and Transferring Recovery Cabinet Sumps (U)
P026	Handling TRU Waste (U)
P027	Neutralization of Acidic Wipes (U)
P031	Inspecting, Removing, and Installing Scrap Recovery Process Filter Media (U)
P033	HB-Line Facility Flush Program (U)
P034	TRU Waste Drum Data Sheet for Plutonium (Pu) 242 (U)
P037	Changing HEPA Filters in Room 605/610 (U)
P038	Dissolution of Pu-239 Scrap (Cold Runs) (U)
P042	Inspecting and Assembling 55-Gallon Waste Drum Units (U)
P045	Packaging and Disposing of Dry Radioactive Waste
P046	Special Products HB-Line; Chapters I, II, III, V, & VII
P047	Repackaging of TRU Waste Drums Returned from the Solid Waste Disposal Facility
P048	Sealing Fiberglass Boxes which Contain TRU Waste with TRIMCO Gasket
P049	General Decontamination (U)
P050	Savannah River Site Waste Acceptance Criteria Manual, E-Area TRU Pads Transuranic Waste Criteria
P051	Storing TRU Waste in Concrete Containers
P052	Drum Retrieval from TRU Pads 2-6 (U)
P054	Storage of Transuranium (TRU) Waste
P055	Shipping Waste to Burial Ground
P056	Packing TRU Waste and Sealing in 55-Gallon Drums
P057	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control includes DPSOP 40: Burial Container Limits
P058	Repackaging TRU Drummed Waste at 643-G
P059	Handling Transuranium Waste in 221-H Canyon & 211-H Facility
P061	Identifying TRU Drums With Missing Container ID Tags (U)
P062	Burying Classified Waste at Building 643-G
P063	Handling Radioactive Waste
P064	Completing TRU Waste Burial Records
P067	Cabinet Bag Port Operations
P069	Packaging and Sealing Contaminated HEPA Filters in Polyethylene Boxes
P070	Disposal of Non-acidic Contaminated Liquids
P072	Neutralization of Polypropylene Wipes in Scrap Recovery
P073	Completing TRU Waste Burial Records and TRU Waste Data Package
P076	Ordering, Purchasing, and Handling of Blue Dot Chemical Products (U)
P077	Handling Chemicals
P078	Handling HB-Line Samples
P081	Potassium Permanganate ($KMnO_4$) Neutralization and Disposal
P082	Neutralization of Polypropylene Filter Bags in Scrap Recovery (U)
P083	Neutralization of Phase II Non-filter Waste
P084	Filter Change-out and Neutralizing Waste/Filters
P088	Packing TRU Waste and Sealing Drums
P089	Shipping Waste to Burial Ground
P090	Suspect Waste Management Program (U)
P091	Packaging and Sealing TRU Waste in 83-Gallon Drums (U)
P092	Packaging and Sealing the Standard Waste Box
P093	Completing TRU Waste Burial Records and TRU Waste Data Package for Pu-239 (U)

Tracking Number	Title
P094	Packaging Non-Process Cabinet TRU Waste and TRU Decontamination Waste into Drum liners
P096	Operating Gamma Pulse Height Analyzer for Pu-238 Waste
P101	Installing and Removing Polypropylene Filter Bags
P103	Handling of Low-Level Radioactive Solid Waste
P104	Solids Rinsing, HBLine (U)
P105	Dissolution of Fissile Scrap
P106	Absorbing Containerized Liquids
P107	TRU Drum Remediation
P108	Phase I Glovebox Cleanup and Neutralization of Acidic Wipes
P109	Controls for Waste Containers that Require Further Processing
P110	TRU Drum Repackaging
P111	MRS Operations (U)
P112	TVEF Operations (U)
P113	Packaging Phase I (Scrap Recovery) TRU Waste
P119	Procedure 842 from the Phase I Scrap Recovery Manual: Preparing Tantalum (Ta) for Bag Out
P120	Procedure 843 from the Phase I Scrap Recovery Manual: Tantalum (Ta) Bag Out
P121	Procedure 840 from the Phase I Scrap Recovery Manual: Rinsing Tantalum (Ta) After Dissolution
P122	Procedure 841 from the Phase I Scrap Recovery Manual: Weighing Tantalum (Ta)
P125	HB-Line Characterization of Transuranic (TRU) Waste (Supersedes Rev. 10 of NMS-EHB-990045, D005A)

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P050
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28	
Source Document Reference Information (author(s), document and revision number, date, publisher): A. Gibbs, Maurice J. Ades, WSRC-TR-05-0055, Rev. 2 and 3, 07/06/1995, 03/11/1996	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, PR5, WS2, WS3, WS8, WS9, WS11, WS12, S9	Throughout	Revision 3: This revision discusses the changes made in the Characterization Plan since Revision 2 of this document. The closure of the solvent tanks 523-528 was completed without incident. The trailer used by Rust Federal Services for the tanks' cleaning was inadvertently contaminated when a leak developed during the waste transfer work. The contamination and the high levels of radiation in the ion exchange column and bag filters made the original disposal of the materials on the trailer by individual parts a larger personnel exposure risk than WSRC is prepared to take. The plan for disposal was therefore changed to account for the disposal of the trailer as a unit. The radionuclide distribution has not changed. Materials have been sampled from the trailer and the solvent tanks for confirmation of waste characterization. Waste stream characterization begins on page 5 and includes waste volumes/weights, measurement data such as TRU, Gamma, and Alpha concentrations, radionuclide characterization, and total activity in solvent. Mixed Waste Characterization begins on page 9 and includes hazardous constituent totals on page 10. Revision 2: Closure operations for Solvent Storage Tanks S23 - S28 will be initiated in early 1995 and will result in the one-time generation of low level mixed and transuranic (TRU) mixed wastes. The solvent tanks are located within the Solid Waste Disposal Facility (SWDF), and were used to store spent solvent wastes generated from F and H-Canyons separations processes. The entire facility is composed of eight tanks, six of which are being closed. Solvent tank closure will generate five solid and seven liquid waste streams. All liquid wastes generated during closure operations are outside the scope of this plan. The five solid waste streams are comprised of Bag filters, Carbon Filter Media, Ion Exchange Resin, Process Equipment, and Job Control Waste. These elements are discussed starting on

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DATE REC'D 11-19-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: P050
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		page 17. Specific waste stream volumes are presented on page 17. Mixed waste characterization data begins on page 19, and includes RCRA code assignments sampling methods, etc. Isotopic characterization begins on page 21 and discusses the various waste types generated and how the various distributions are established, etc., the results of which are presented in various tables beginning with Table 1 on page 25.

Source Document Data Limitations (if any):

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139598

OSR 3-4A-W (Rev 1-89)
Westinghouse Savannah River Company
INTER-OFFICE MEMORANDUM

March 11, 1996 SWE-SWE-96-0120

To: C. E. Swenson, 705-3C

From: G. W. Faulk, 724-7E

Transmittal of Revision of Characterization Plan for Low Level Waste Generated From Closure of Solvent Tanks S23 Through S28 (U)

Ref 1: Characterization Plan For Low Level Waste Generated From Closure of Tanks S23 Through S28, WSRC-TR-95-0055, Rev. 3.

Ref 2: C. E. Swenson, Approval of Solvent Tank Closure Characterization Plan (U), SWE-SWC-96-0086, March 6, 1996.

Attached (see Reference 1) is the revised Waste Characterization Plan for disposal of the operations trailer as low level waste. The disposal strategy for this waste package was presented to the Waste Characterization Board (WCB) on February 29, 1996. Reference 2 provides the WCB's approval of the strategy for disposal of the package. No action items were identified by the WCB.

Feel free to contact S. R. Reed (2-2271) if you have any questions.

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CHARACTERIZATION PLAN FOR LOW LEVEL WASTE GENERATED FROM CLOSURE OF SOLVENT TANKS S23 THROUGH S28

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TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

2.0 INTRODUCTION

3.0 WASTE STREAM CHARACTERIZATION

4.0 QUANTITY DETERMINATION

5.0 TRU CHARACTERIZATION

6.0 MIXED WASTE CHARACTERIZATION

7.0 REFERENCES

8.0 APPENDIX (Revision 2 of WSRC-TR-95-0055)

1.0 EXECUTIVE SUMMARY

This revision discusses the changes made in the Characterization Plan since Revision 2 of this document. The closure of the solvent tanks S23-S28 was completed without incident. The trailer used by Rust Federal Services for the tanks' cleaning was inadvertently contaminated when a leak developed during the waste transfer work. The contamination and the high levels of radiation in the ion exchange column and bag filters made the original disposal of the materials on the trailer by individual parts a larger personnel exposure risk than WSRC is prepared to take. The plan for disposal was therefore changed to account for the disposal of the trailer as a unit. This plan has been approved by SCDHEC[1].

The radionuclidic distribution has not changed. Materials have been sampled from the trailer and the solvent tanks for confirmation of waste characterization.

Revision 2 of this document is provided in the appendix. It contains all the details of the operation which led up to the disposal of the trailer as a unit operation.

2.0 INTRODUCTION

Spent solvent storage tanks (S23-S28) in the Solid Waste Disposal Facility were emptied and repeatedly flushed prior to closure, as agreed among SCDHEC, U. S. DOE; and WSRC. During the flushing of the tanks a leak occurred on the trailer holding the water reclamation equipment. This resulted in alpha contamination on the trailer. This activity, coupled with the high radiation readings from equipment on the trailer caused a change in the waste disposal plans. Originally the plans were to dismantle the components of the trailer and dispose of them individually in the proper waste vaults or as TRU waste. Because this plan would result in excessive radiation exposure to those involved in dismantling the components (1.12 Rem/worker), and because the space limitations among the trailer components make the use of robots impossible, it was recommended by WSRC and agreed upon by SCDHEC[1] that disposal would be as a unit.

Waste characterization of this unit depends upon measurements made prior to the start of work on the solvent in the tanks, measurements of components of the trailer, and process knowledge. The radionuclidic composition is based upon approved and verified waste characterizations of the sources of the solvent, F and H canyons.

3.0 WASTE STREAM CHARACTERIZATION

The waste stream consists of a trailer whose effective dimensions for disposal are ~40 ft. X 17 ft X 8 ft. The trailer contains 4 bag filters, a carbon filter, an ion exchange unit, and tanks and pumps used for rinsing the solvent tanks. All of the components on the trailer have been drained of water until no residual water can be collected.

Thirty-six bag filters were used during the flushing operation. Thirty-two of these filters are in TRU storage in 55 gallon drums.

The characterization of the physical aspects of the carbon filter, ion exchange resin, and bag filters has been done using the manufacturer's specifications. The tanks and pumps are metallic (steel and iron) or reinforced polymer equipment used in normal operations at SRS and disposed of without special analyses.

The characterization of the solvent waste residues from the rinsing operations has been done using measured values from analytical chemistry samples and source characterizations[2,3].

3.1 Waste Data

The volume of the waste is 40 x 17 x 8 = 5440 cu. ft. (154 cu. m.)

The weight of the waste is 45,000 lbs. (2.04E+07 g)

The weight of the carbon filter is 2,500 lbs (1.135E+06 g)

The weight of the ion exchange resin unit is 1400 lbs (6.36E+-5 g)

The ion exchange resin is Duolite GT-73.

The spaces on trailer contain job control waste such as the hut. The package for the trailer is a carbon steel box which is only slightly larger than the trailer dimensions.

The waste will be disposed of in the Intermediate Level Non-tritium Vault.

Details of the operations of the closure and job control wastes have been described previously in Rev. 2, page 7 (appended to this revision).

3.2 Measurement Data

The solvent tanks were sampled individually before operations began and analyses were obtained from SRTC and ORNL. The results are summarized below: [2,3]

Measured Alpha and TRU Concentrations

Tank #	Total Alpha, dpm/tank	Total TRU, dpm/tank
S23	9.41E+10	9.13E+10
S26	5.99E+11	5.87E+11
S27 (top)	2.22E+13	8.45E+12
S27 (bottom)	4.98E+11	2.29E+11
S28	1.51E+09	9.69E+08
S29	5.65E+10	5.09E+10
S30	3.07E+10	2.02E+10
Total, dpm	2.35E+13	9.43E+12
Total, Ci	10.59	4.25

Major Gamma Emitter Concentrations

Tank #	Cs-137, Ci/tank	Eu-154, Ci/tank
S23	0.57	—
S26	2.56E-03	—
S27	—	3.14E-01
S28	2.71E-03	—
S29	3.09E-04	—
S30	4.58E-02	—

— No results reported

Using the values from the above gamma measurements and the distribution from Table 3 of Revision 2 (with a typographical correction for I-129 of 4.0E-09 Ci) the quantities of each nuclide in the table for every tank was calculated. The grand totals for activity of each of the nuclides in the solvent then become:

Radionuclidic Characterization

Radionuclide	Total in Solvent, Ci	Total on Trailer, Ci
H-3	1.95	0.195
C-14	1.1E-06	1.1E-07
Co-60	8.29	0.83
Ni-59	4.82E-04	4.82E-05
Se-79	1.39E-05	1.39E-06
Sr-90	1.55	0.155
Tc-99	3.48E-04	3.48E-05
Sn-126	1.39E-06	1.39E-07
Cs-137	2.14	0.21
I-129	7.23E-07	7.23E-08
Eu-154	4.55E-01	4.55E-02
Eu-155	6.68E-02	6.68E-03
Sb-125	6.12E-02	6.12E-02
Zr-95*	9.88E-03	9.88E-04

Radionuclide	Total , Ci	Total on Trailer, Ci
U-233	7.23E-11	7.23E-12
U-234	1.18E-04	1.18E-05
U-235	5.63E-06	5.63E-07
U-236	6.41E-06	6.41E-07
U-238	5.09E-04	5.09E-05
Np-237	2.68E-06	2.68E-07
Pu-238	4.55	0.46
Pu-239	1.07E-01	1.07E-02
Pu-240	2.48E-02	2.48E-03
Pu-241	1.28	0.128
Pu-242	2.31E-06	2.31E-07
Am-241	7.23E-01	7.23E-02
Cm-244	5.87	0.59

* This is an incorrect designation of a gamma ray--Zr-95 cannot exist without Nb-95 being present and its half-life is too short for it to be present. The correct designation for the gamma ray should be Pu-238. The Zr-95 designation is used only because it is in the official records.

When this calculation is compared to the measured alpha concentration and the measured TRU concentration the numbers agree reasonably well, giving confidence in the distribution as stated. The comparison numbers are:

Total Activity in Solvent

Measured [2]	Calculated
Total alpha = 10.59 Ci	12.55 Ci
Total TRU = 4.25 Ci	5.40 Ci

4.0 Quantity Characterization

The quantity of radionuclides resulting from the process of cleaning and closing these solvent tanks has been discussed extensively within Solid Waste Engineering and with the Waste Characterization Board. Because of the ALARA concerns for the workers and the extreme difficulty of representative sampling of solid masses, not enough samples of the right kinds were taken while the process was on-going so that a mass balance for the trailer system components is now impossible.

4.1 Sample Quality

The samples that were taken from the solvent tanks were of a homogenous liquid so the results are expected to be reasonably accurate. This is reflected in the duplicate samples that were analyzed with results agreeing to within 10-25%.

The samples taken from the bag filters were analyzed by two different laboratories, SRTC and GEL in Charleston. The samplings were of a solid material and were small (~0.25 g) because of the radiation involved. The results from the two laboratories differ by a factor of 20-25, indicating a large amount of variability in the sampling of this inhomogeneous solid..

The samples from the carbon filter and the ion exchange resin were also on the order of 0.25-0.33 g and were taken from the surface of the containers. Duplicates were not analyzed, nor were two different laboratories used. If the results are used for the ion exchange resin, the result is that more TRU radionuclides are on the resin than were in the total tank contents. These results cannot be used because of the violation of the mass balance.

3.2 Quantification Reasoning

Chemically it is known that nuclides tied up in the TBP/kerosene solvent will remain with the solvent unless a chemical reaction occurs to displace them from their chelated condition. No chemicals were used when the solvents were pumped from their tanks so the bulk of the radionuclides (and other elements) should have been transferred with the solvent.

The tanks were emptied, 200 gallons of water were added and were subsequently pumped out before the spray cleanup operations began. Since we are dealing with approximately 30,000 gallons of solvent it is possible that 300 gallons of liquid could have been missed during the transfers; however, it is not reasonable that 3000 gallons could not have been reasonably missed. Using this reasoning , it has been agreed with the Waste Characterization Board[4] that use of 10% of the tank contents will serve as an upper bound to quantify the radionuclides and hazardous elements present on the trailer.

5.0 TRU Characterization

The quantity of TRU was measured in the solvent to be 4.25 Ci. Using the 10% value as an upper bound the quantity of TRU in this waste is therefore:

10 % x 4.25 Ci / (45000 lbs x 454 g/lb) = 2.08E-08 Ci / g = 21 nCi/g

TRU waste limiting value = 100 nCi/g

The above result is below the TRU limit of 100 nCi/g, therefore the trailer is not TRU waste.

6.0 Mixed Waste Characterization

Measured results are available for the hazardous volatile organics and metals in the solvent for most of the tanks[3]. (Tanks S24 and S25 were empty.) Hazardous constituent results for the

missing tank, S27, were extrapolated using the following logic. The contents of tank S27 were the organic solvent, not water. If the organic layers of the other tanks had measured values (not "less than" values) then the highest value was used for tank S27. If the organic layers had only one measured value and the remainder of the organic measurements were "less than" values, the measured value was divided by two and used as the value for tank S27. Using this reasoning the following values were calculated.

Hazardous Constituent Totals, grams

Tank	Ag	As	Se	Ba	Cd	Cr	Hg	Pb	MEK	C_6H_6	TCE	PCE
S23 (org)	<5E-3	<5E-3	<2E-3	5.2E-2	<0.011	1.37	1.1	<0.235	<1.25	<0.125	1.63	1.19
S23 (aq)	12.9	1.2	<5E-3	23.1	0.425	2.12	28.3	13.3	97.9	0.34	0.78	0.50
S26 (org)	0.015	<2.25-3	<2.5E-3	0.3	<1.15-3	<1.4E-3	<0.01	<0.026	0.94	<1.4E-3	<1.4E-3	<1.4E-3
S26 (aq)	1.48	<4.8E-3	<5.4E-3	2.58	0.076	0.29	3.51	1.37	1.53	<3E-3	<3E-3	<3E-3
S27	50.47	<0.56	<0.63	231.3	7.15	49.3	96.04	192.8	651	0.245	22.8	16.6
S28 (org)	0.033	<3.6E-4	<4.1E-4	0.15	4.6E-3	0.011	0.062	0.125	0.42	3.2E-4	<2.3E-4	<2.3E-4
S28 (aq)	0.51	<3.4E-4	<3.8E-4	0.41	0.036	0.13	1.03	1.03	--	--	--	--
S30 (org)	<1.4E-3	<1.4E-3	<1.4E-3	0.03	<2.9E-3	0.51	0.31	<6.8E-2	<7.3E-2	<3.6E-3	<3.6E-3	<3.6E-3
S30 (aq)	0.03	0.039	0.09	0.084	0.021	0.074	0.09	<6.4E-2	--	--	--	--
Total (g.)	65.4	1.81	0.074	258	7.73	53.8	130.4	209	753	0.72	25.2	18.3

< less than laboratory detection limit -- less than TCLP detection limit

Chemically it is expected that the metallic elements will occur most frequently in the aqueous phase and that they will be absorbed on the ion exchange resin. This is supported by the measurement data on the solvent. The analytical data from the small samples of the carbon filter and the ion exchange resin[5] confirm that the resin contains the major amount of metallic elements, while the carbon has only incidental amounts.

Taking 10% of the totals above and dividing by the trailer weight leads to the following comparison against the regulatory limits.

Hazardous Constituents, ppm

	Ag	As	Se	Ba	Cd	Cr	Hg	Pb	MEK	C_6H_6	TCE	PCE
Trailer	0.32	0.006	00.04	1.3	0.04	0.26	0.64	1.02	3.68	0.0035	0.12	0.09
Regulatory Limit[6]	5	5	1	100	1	5	0.2	5	2E5	500	500	700

As can be seen, the only potential problem is the mercury concentration exceeding the regulatory limit. It is known from the measurements and chemical experience that the mercury is concentrated on the ion exchange resin. Analyses have been performed on the same ion exchange resin using EPA approved methods for leachability and toxicity[7]. The resin was loaded to capacity with mercury, chromium (III) and lead. (The resin on the trailer is capable of holding 1.46E4 grams of mercury, far more than the 130 grams available from the tank contents.) Samples were sent to Galbraith Laboratories in Knoxville, TN. Results showed that the loaded resin passed the TCLP analysis for all the elements and is therefore considered a non-hazardous waste.

The trailer is therefore a non-hazardous waste because it meets all regulatory requirements for concentration of hazardous constituents or for toxicity testing requirements.

7. REFERENCES

1. Letter, to J. W. Cook from A. Coffey, Hazardous Waste Permitting Section, SC DHEC, Feb. 5, 1996.

2. SRL-ADS-92-0120, J. Young to K. Wolfe, Analytical Results, Jan. 2, 1992.

3. Letters from J. Stewart, ORNL to E. Deweese, March 10, 1992, December 3, 1991 and December 5, 1991.

4. SWE-SWC-96-0086 (SWM-WCB-95-02) Approval of Solvent Tank Closure Characterization Plan (U), C. E. Swenson to G. W. Faulk, March 6, 1996.

5. SRT-AS-95-0246, P. E. Filpus-Luyckx to S. R. Reed, Carbon/Resin Results (U), Oct. 25, 1995.

6. Resource Conservation and Recovery Act (Solid Waste Disposal Act), Subtitle C, Section 3004 as reported in *Environmental Statutes*, 1994 Ed., Government Institutes, Inc., Rockville, MD.

7. DPST-87-811, J. P. Bibler to J. R. Wiley, TCLP Test Results for Hg, Cr(III), and Pb on GT-73 Cation Exchange Resin, Nov. 13, 1987.

APPENDIX

~~INFORMATION ONLY~~ BCR 10-17-95

CHARACTERIZATION PLAN FOR LOW LEVEL WASTE GENERATED FROM CLOSURE OF SOLVENT TANKS S23 THROUGH S28

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TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	3
2.0	INTRODUCTION	3
3.0	PROCESS DESCRIPTION	3
4.0	WASTE STREAM CHARACTERIZATION	4
5.0	MIXED WASTE CHARACTERIZATION	7
6.0	ISOTOPIC CHARACTERIZATION	9
7.0	QUALITY DETERMINATION	11
8.0	VALIDATION	11
9.0	REFERENCES	11

LIST OF FIGURES

FIGURE 1	SOLVENT TANK CLOSURE PROCESS FLOW DIAGRAM	12

LIST OF TABLES

TABLE 1	SOLVENT TANK INVENTORY AND SUPPORTING RADIONUCLIDE DISTRIBUTIONS	13
TABLE 2	ESTIMATED SOLVENT TANK INVENTORIES	14
TABLE 3	SOLVENT TANK COMPOSITE INVENTORY	15
TABLE 4	SOLVENT TANK REPORTED CHEMICAL ANALYSIS	16
TABLE 5	EXAMPLE CALCULATION	17

1.0 EXECUTIVE SUMMARY

Closure operations for Solvent Storage Tanks S23 - S28 will be initiated in early 1995 and will result in the one time generation of low level, low level mixed and transuranic (TRU) mixed wastes. RUST Federal Services Incorporated will be the primary subcontractor responsible for providing closure services.

The solvent tanks are located within the Solid Waste Disposal Facility. The entire facility is composed of eight tanks, six of which are being closed. Closure for these six tanks will be conducted in accordance with the closure requirements for underground tanks as described in the South Carolina Hazardous Waste Management Regulations.

Solvent tank closure will generate five solid and seven liquid waste streams. The number of waste streams and the projected waste volumes were developed by RUST in their Environmental Monitoring Plan. All liquid wastes generated during closure operations are outside of the scope of this plan.

The composite radionuclide distribution developed for the solvent wastes is a composite of actual solvent tank samples and distributions for those canyon processes which generate spent solvents. All of the wastes generated from closure operations, with the exception of the carbon filter and the resin bed, will share a common radionuclide distribution. The composite distribution will be verified and the distributions for the carbon filter and resin bed established by sample analysis results as described in the Sampling and Analysis Plan.

2.0 INTRODUCTION

Solvent Tanks S23 - S28 will be closed in accordance with applicable DOE Orders, South Carolina Hazardous Waste Management Regulations, and WSRC requirements. Tank closure services will be provided by a subcontractor, RUST Federal Services Incorporated.

The solvent storage tanks, S23 - S30, were used to store spent solvent wastes generated from F and H-Canyons separation processes. The tanks have been in operation since March 1976 and must be closed to ensure continued compliance with the South Carolina Hazardous Waste Management Regulations.

Each tank will be cleaned to remove as much of the hazardous and radioactive constituents as practical. Once all of the tanks have been washed they will be filled with an inert grout material and abandoned in place. Liquid wastes generated from closure will be stored in the operational storage tanks, S29 and S30. All solid wastes generated during closure operations will be managed in accordance with this plan and the disposal and/or storage procedures provided in the Savannah River Site Waste Acceptance Criteria Manual (U), 1S.

Tanks S23 - S28 will be the only sources of hazardous constituents and radionuclide contamination. A composite radiological distribution has been developed using a combination of available analytical analysis, process knowledge from F and H- Canyons solvent generation and SRS fission products ratio. The composite radiological distribution will be verified by sample analysis as described in the Sample and Analysis Plan.

3.0 PROCESS DESCRIPTION

The original solvent inventory in tanks S23 - S28, approximately 27,000 gallons, was transferred into the operational storage tanks S29 and S30 before October 1994. Approximately 300 gallons of residual solvent remains in tanks S23 -S28 and will be removed during the initial tank flush operations.

Initially each tank will be rinsed with 200 gallons of water. The water will be used to remove the majority of the solvent residues and liquids prior to mechanical washing. Prior to the initiation of

tank washing the interior of each tank will be ventilated. Each tank will remain under negative pressure throughout the cleaning process.

Remote mechanical cleaning of each tank will be performed using a gamajet rotary machine. The jet will be powered hydraulically by the water used to clean the tanks. The jet will be suspended in the center of the tank. The inlet pressure is estimated at 100 psi with a flow rate of 110 gpm, resulting in a cleaning force of ~ 30 lbs/ft^2.

Mechanical cleaning will use approximately 3,000 gallons of water for the entire cleaning process. The water will be recycled through a series of filtering mediums consisting of bag filters, carbon filter, and ion exchange resin. Each tank will undergo three wash cycles. The same 3,000 gallons of recycled water will be used for each wash cycle, for each tank.

Following completion of the mechanical wash cycle for each tank a final rinse will be performed. Approximately 200 gallons of fresh water will be used to complete the final tank wash. The tanks will be filled with an inert material, pumpable grout following washing operations. During this process tank ventilation practices will continue. Grout will be pumped into the tanks to a level just below the tank top. The grout will be allowed to cure for a minimum of two days. Following the initial curing any water released from the curing process will be removed. The remaining tank void space will be grouted and allowed to cure for an additional two weeks. The tank risers will be capped after the two week curing process has passed.

All liquid wastes generated during closure will be stored in the operational solvent tanks S29 and S30 or sent to the 211-F evaporator for further processing prior to release. Liquid wastes generated as a result of closure operations are outside the scope of this characterization plan.

4.0 WASTE STREAM CHARACTERIZATION

Closure operations will generate five separate waste streams; 1) Bag Filters, 2) Carbon Filter Media, 3) Ion Exchange Resin, 4) Process Equipment and 5) Job Control Waste. It is anticipated that low level, low level mixed and mixed TRU wastes will be generated during solvent tank closure. The actual classification of closure generated wastes cannot be fully determined until the waste is generated and the condition of the waste streams is established. Waste streams will be sufficiently characterized for radionuclides and hazardous constituents to support final disposal and/or storage in accordance with applicable requirements provided in the Savannah River Site Waste Acceptance Criteria Manual (U).

The current operational strategy for managing process equipment type wastes is to flush contaminated equipment prior to final disposal to remove as much of the solvent as practical. In the past this flushing has been sufficient to remove contamination to allow disposal as low level waste. However, there are conceivable process equipment failure scenarios that could prohibit equipment flushing, resulting in the potential generation of mixed wastes. Once the waste is generated the mixed waste status will be accurately evaluated. Calculations and TCLP analysis will be completed to support the management of these wastes.

Representative samples will be necessary to support TCLP and radionuclide analysis. Waste streams will be sampled and analyzed in accordance with approved programs, procedures and the Sampling and Analysis Plan. Representative samples will be obtained in accordance with one or more of the following methods:

- DOE Survey Manual, Appendix D
- Environmental Radiation Ambient Monitoring (ERAM) Manual
- EPA's Eastern Environmental Radiation Facility (EERF) Radiochemistry Procedures Manual Guidance
- SW-846, "Test Methods For The Evaluation of Solid Waste, Physical/Chemical Methods".

Any alternative sampling method may be proposed for use, however the alternative sampling method must employ valid statistical methods and provide a defined confidence level (at least 90%). Any alternative sampling method will be approved by Solid Waste Engineering before it is used.

4.1 Waste Volumes

Waste generation resulting from tank cleaning will be composed of both solid and liquid waste streams. The liquid waste streams will be composed of rinsate and grout waters. The five solid waste streams will be composed of job control waste, process equipment and used process filters. Provided below is a breakdown of the specific waste stream volumes that are anticipated.

Solid Waste Generation	Waste Volume
Used Bag Filters	38 ft^3
Ion Exchange Resins	23 ft^3
Carbon Filter Media	65 ft^3
Job Control Waste and Process Equipment (volumes not available for individual streams)	~ 714 ft^3

Liquid Waste Generation	Waste Volume
Initial Solvent Tank Flush (200 gallons/ tank)	1,200 gallons
Mechanical Washing	3,000 gallons
Final tank Rinse (200 gallons/ tank)	1,200 gallons
Grout Water	4,000 gallons
Equipment Decontamination and Washing	330 gallons
Storm Water	As Generated

All of the waste volumes provided in the above table are subcontractor estimates. The waste volume for Job Control Waste and Process Equipment includes 500 ft^3 for the two in process tank. The 500 ft^3 volume is based on disposal of the two empty tanks without any size or volume reduction. Currently size and volume reduction methods for the process tanks cannot be identified since contamination level inside the vessels is unknown. Following the completion of the closure cleaning process, the contamination level in the tanks will be determined and size reduction methods will be evaluated.

Waste stream segregation and volumes were developed by RUST Environmental Services as part of the Environmental Monitoring Plan. The solid wastes streams occur because they are the individual components supporting the closure process. The three filters represent unit operations of the closure process. Job control wastes are generated as necessary to support the entire closure activity to ensure personnel are adequately protected.

All liquid waste generated during closure will be stored in the operational solvent tanks or sent to the 211-F evaporator for further processing prior to release. Liquid waste generated as the result of closure operation are outside the scope of this characterization plan.

4.2 Waste Streams

4.2.1 Bag Filters

Used bag filters are collected in 55 gallon drums for storage. Any free standing liquid is collected and transferred into the operating storage tanks. Inert absorbent, such as "cat litter," "fullers earth," or granulated fired clay, is added to the drum to collect any additional liquid that may collect over the storage period. Samples, in accordance with the previously described methods, have

been collected and are being analyzed to determine concentration of hazardous constituents and radionuclide activity.

The results from the radiological analysis provided by SRTC indicates that the concentration of TRU isotopes is in excess of the limits for low level waste classification, therefore this waste is transuranic. Full analysis for the 22 reportable isotopes is pending. Sample analysis for the 22 reportable nuclides will be completed by General Engineering Laboratory (GEL). The waste will be managed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.06 E-Area, TRU Pads - Transuranic Waste Acceptance Criteria revision.

Sample analysis for hazardous constituents will be conducted by GEL. Prior to final receipt of the analysis results the waste will be stored in accordance with the requirements for mixed waste storage as prescribed in the SW 18 Manual procedures.

4.2.2 Carbon Filters

The used carbon filters will remain contained in their respective processing unit for final disposal. Each will be dewatered, with the resulting liquid being transferred into the operational storage tanks. Representative samples from the carbon filter media will undergo TCLP analysis and analysis for radionuclides, following the completion of dewatering. The results of the sample analysis will serve as the basis for management of this waste as low level, low level mixed or transuranic mixed. Prior to final receipt of the laboratory analysis, the waste will be managed in accordance with the procedure requirements for mixed waste storage established in the SW 18 Manual.

4.2.3 Ion Exchange Resin

The used resin filter will remain contained within its respective processing units for final disposal. The filter will be dewatered. The liquid resulting from the dewatering will be transferred into the operational tanks for storage. Following the completion of dewatering the resins will be sampled to determine hazardous characteristics and verify radiological distribution. The results of the sample analysis will serves as the basis for management of this waste as low level, low level mixed or transuranic mixed. Prior to final receipt of the laboratory analysis, the waste will be managed in accordance with the procedure requirements for mixed waste storage established in the SW 18 Manual.

4.2.4 Process Equipment

The process equipment waste stream will include, but not be limited to, the following components: glove bags and tubing, wipes, bags, used piping, sleeving, rinsed drums, gamma jet, flushed hoses, HEPA filters, stand pipes, process tanks, pumps, and filter housings. Any portion of equipment used to transfer solvent or rinsate will be drained/emptied to as low as reasonable achievable. The residual liquid film remaining on the inside of pumps and piping equipment represents less than 1% of a waste package by volume. The residual liquid film represents a total volume that can be considered incidental. No additional absorbent will be added to waste packages.

Process equipment will be sampled for contamination. The samples will be analyzed and the results will be used in conjunction with the verified composite radiological distribution to establish the concentration of the reportable radionuclides by ratioing.

The mixed waste determination for process equipment will be evaluated by calculations based on the level of residual liquids remaining in the process equipment after flushing. Calculations required to support the mixed waste evaluation will be completed in accordance with applicable procedures in the Conduct of Engineering and Technical Support Manual E7. If the calculations indicate that the waste is hazardous it will be stored in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.07 Mixed Waste Storage Facilities - Mixed

Waste Acceptance Criteria. If the calculations indicate that the waste is non-hazardous low level waste it will be disposed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria. Prior to final analysis of the waste, it will be stored in accordance with the requirements for mixed low level waste storage procedures established in the SW 18 Manual, as required.

A mixed waste calculation is provided in Table 5 as an example of the method that will be used to support the final disposition of potential mixed wastes. All calculations will be completed in accordance with the applicable procedure requirements provided in the Conduct of Engineering and Technical Support (U) Manual E7.

4.2.5 Job Control Waste

Job control wastes will be managed as low level wastes since this waste stream should not come into direct contact with the mixed solvent waste. The routine job control waste will be managed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria.

Job control wastes that directly contact the solvent waste will be managed as non-routine wastes and segregated from other job control wastes. The wastes will be managed as mixed wastes until analysis is completed. If the analysis indicates that the waste is mixed low level waste then it will be stored in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.07 Mixed Waste Storage Facilities - Mixed Waste Acceptance Criteria. If the calculations indicate that the waste is non-hazardous low level waste it will be disposed in accordance with the Savannah River Site Waste Acceptance Criteria Manual (U), 1S, WAC 3.10 E-Area Low-Level Waste Acceptance Criteria. Prior to final analysis of the waste, it will be stored in accordance with the requirements for mixed low level waste storage procedures established in the SW 18 Manual, as required.

Job control wastes generated during dismantling of the carbon and resin bed will be segregated to align with the respective filters.

Job control wastes will be characterized by using dose to curie conversions. The verified composite distribution provided in Table 3 will be used to scale the concentration of the reportable radionuclides.

5.0 MIXED WASTE CHARACTERIZATION

The solvent waste is a characteristically hazardous waste as defined in the South Carolina Hazardous Waste Management Regulations (SCHWMR) for RCRA metals (waste codes D004 through D011), trichloroethylene (D040) and the corrosivity characteristic (D002). The spent solvent is not a listed waste as described in the SCHWMR under section 261.31 (J. V. Odum to D. G. Salem, SOLVENT TANKS WASTE CHARACTERIZATION - SWE-REC-95-0085 (U), ESH-FSS-95-0256, May 3, 1995). The PUREX process has been evaluated and a determination made that process solvents do not meet the definition of F-Listed solvents as provided in the SCHWMR under section 261.31. The solvent waste does contain hazardous constituents in concentrations exceeding regulatory limits and is therefore characteristically hazardous. Classification of the solvent waste as characteristically hazardous has previously been discussed with the SCDHEC. In addition the waste was presented as characteristically hazardous in the Closure Plan which was submitted to and approved by the SCDHEC. A description of the solvent waste, including hazardous constituents, was provided in the closure plan along with the proposed tank cleaning method.

The solvent waste does not exhibit the characteristic of ignitability since it has a flash point of 206 °F, which is greater than the regulatory limit of 140 °F. Any mixed wastes generated during closure will be segregated for proper storage and/or disposal by the waste operator and/or the GCO.

The liquid solvent waste was sampled and analyzed for toxicity characteristic in 1991. The results from this analysis confirmed that the solvent waste is mixed waste, characteristically hazardous for metals and organic compounds (Table 4). The primary composition of the solvent is n-paraffin, tributyl phosphate and water. The waste mixture when stored for extended time periods will separate into two phases, an organic phase and an aqueous phase. Representative samples were taken from each phase and analyzed during initial solvent sampling activities.

Representative samples from the top (organic) phase were taken using a drop tube. The tube was lowered to the surface of the waste and the sample was collected. A minimum top phase thickness of six inches was required for accurate sampling of the top phase. The waste surface level was determined based on the recorded tank volumes obtained from bimonthly tank rodding.

Sampling from the tank bottom (aqueous phase) was achieved using a Bacon bomb. The sampling mechanism was lowered to the tank bottom. When the sampling mechanism reached the tank bottom, impact with the tank caused the sampling mechanism to open collecting a bottom phase sample. When this mechanism was removed from contact with the tank bottom the mechanism immediately closed trapping/collecting a representative bottom phase sample.

The hazardous chemical composition of the solvent waste was established from sample results for tanks S23 - S30 taken in 1991. Tank samples were analyzed for volatile, semivolatiles, metals, and both gamma and alpha pulse height analysis (PHA). The pH and density of each phase was also analyzed. Each layer of each tank was sampled. TCLP analysis was provided by Oak Ridge National Laboratories. Radionuclide screening was provided by SRTC. TCLP sample results for tank S27 are not available and tanks S24 and S25 are empty.

The classification of a waste stream or package as hazardous or non-hazardous waste will be determined by a combination of laboratory analysis and/or calculations. The used filters, (bag, carbon, ion exchange) will be classified based on the results of TCLP analysis, and pH testing. Representative samples will be taken from the filters and analyzed. All sampling and transportation of samples will be completed in accordance with approved sampling and chain of custody procedures.

The classification of the job control and process equipment waste streams will be determined based on the condition of the waste materials and additional calculation as required to support final disposal using the direction provided in the Hazardous Waste Management Regulations R.61-79.261. Using the following formula to calculate the concentration of hazardous constituents in a waste stream is an accepted regulatory method for determining the status of a waste package:

$$\text{Concentration Hazardous Constituents} = \frac{\text{Mass Hazardous Constituents}}{(\text{Mass Waste Stream} + \text{Mass Solvent Waste}) * 20}$$

The calculations will be completed using mercury as the hazardous constituent indicator. Mercury is selected as the initial indicator since it has the lowest regulatory limit of any of the other chemicals. The original concentration of mercury identified in the original sample analysis will be used to calculate the mass of mercury for all of the calculations. The original concentration of mercury represents the most conservative concentration. If mercury is present at a level above the regulatory limit the waste will be managed as a mixed waste in accordance with the applicable procedures. If mercury is not present above the regulatory limit the waste will be managed as low level waste in accordance with applicable procedures.

Any hazardous chemicals that are introduced into the closure process will be managed in accordance with the requirements provided in the Industrial Hygiene Manual (U), 4Q. To date the closure process is not anticipated to require the introduction of any new and/or hazardous chemicals into the process.

6.0 ISOTOPIC CHARACTERIZATION

DOE Order 5820.2A requires that low level waste be characterized with sufficient accuracy to permit its proper segregation, treatment, storage and disposal. The activity of major radionuclides shall be recorded on the waste manifest. Radionuclide activities may be determined by direct methods, or by indirect methods if there is reasonable assurance that the indirect methods can be correlated with actual measurements.

Radiological characterization of a waste stream involves two steps: 1) development of a list of radionuclides contained in the waste and their relative activities (radionuclide distribution), and 2) development of a method for determining the quantity of each radionuclide in a waste package (radionuclide quantification).

6.1 Radionuclide Distribution

An evaluation has been completed which identifies a composite radionuclide distribution for the solvent waste. Results from this analysis are presented in Table 3. The composite radionuclide distribution is based on sample analysis results from the solvent waste (Table 1), radionuclide distributions from H-Canyon, F-Canyon and the SRS fission products ratio (Tables 1 and 2). The composite distribution for the solvent waste was developed using the radionuclide distributions for F and H canyons to address the reportable radionuclides that were not directly measured during the initial liquid waste sample analysis. The radionuclide distribution will be verified in accordance with the requirements in the Sampling and Analysis Plan.

The composite inventory was developed by ratioing the known solvent inventory to the established distributions for H-Canyon, F-Canyon and the SRS fission products. The ratio of fission products for the composite distribution was developed by using the maximum ratio from the SRS fission products to Cs 137 from the tank samples. The radionuclides not addressed by actual tank samples were estimated by ratioing the tank inventory of Pu 238 to the H-Canyon distribution, and by ratioing the tank inventory of Pu 239 to F-Canyon distribution. The maximum value for each radionuclide resulting from the three ratio distributions was selected as representative of the solvent waste radionuclide distribution (Table 3).

The composite distribution is representative of the initial solvent waste. The bulk of the solvent residue will be transferred to the operational solvent tanks during the initial 200 gallon tank flush operation. After the initial flush, tank washing operations will commence. The waste water will be processed as shown in Figure 1.

The function of the bag filter is to capture particulate which is large enough to foul the operation of the carbon filter and resin bed. The bag filter will not separate radionuclides. The bag filters will be sampled and analyzed by GEL for the 22 reportable radionuclides, as stated in with the Sampling and Analysis Plan. The bag filter sample analysis results will be compared to the composite distribution. Please note that results from the laboratory analysis of the bag filter will be used where discrepancies between the sample analysis and the composite distribution exist. The verified composite distribution, or bag filter distribution, will be used to quantify the radionuclide composition for the job control and the process equipment waste streams.

The bag filter waste stream is TRU waste. This classification is based on the concentration of transuranics being in excess of 100 nCi/g. The TRU waste classification has no impact on the isotopic distribution. The distribution of transuranic isotopes from the SRTC screening analysis aligns with, or is less than, the curie fractions provided in Table 3 for the same isotopes. The SRTC screening analysis does not provide results for the full 22 reportable nuclides. The isotopic distribution will be revised as necessary when the full analysis from GEL is available.

The composite distribution does not credit the removal or reduction of any radionuclides by the filtering operation. Use of the verified composite distribution will ensure that all of the reportable

radionuclides are quantified and manifested in accordance with the applicable requirements provided in the 1S Manual.

Tank cleaning and bag filter change out are the primary activities conducted during closure operations. The carbon filter and resin bed are contained in the process and are not modified during closure filtering operations. The only source of contamination for job control wastes during operations is the bag filter and possible process water leaks. The job control waste will therefore have the same radiological distribution as that of the composite (bag filter) distribution.

Job control waste generated during dismantling of the carbon filter and resin bed will be segregated with their respective filters to ensure representative radionuclide distributions are maintained.

Contaminated process equipment will be generated during the dismantling of the filtering process. The verified composite radiological distribution (bag filter distribution) will be used to establish the radiological characterization for process equipment. The carbon filter will only effectively remove I 129 from the radionuclide contaminates. The resin bed is designed to remove metals and will affect some of the radionuclides in the waste stream. Together the filters will remove constituents and reduce the overall concentration of particular isotopes in the process equipment down stream from these unit operations. However, use of the composite (bag filter) distribution will ensure that all reportable radionuclides are conservatively addressed.

The radiological distribution for the resin bed and carbon filter will be established by analysis of representative samples for the 22 reportable radionuclides. The carbon filter and resin bed are designed to operate for the duration of the closure operations and will not be changed out during filtering operations.

6.2 Radionuclide Quantification

All waste sampling and evaluations establishing the total curies for the waste packages will be conducted in accordance with approved procedures.

Bag filters will not be characterized since they are classified as TRU waste. However this waste stream will serve as the basis for establishing/verifying the composite distribution. The composite radiological distribution will be verified by laboratory analysis for the reportable radionuclides. The bag filters will be sampled in accordance with approved sampling methods to verify the radionuclide distribution. TCLP analysis will also be completed for bag filter samples to determine hazardous constituents.

If the waste samples from the bag filter do not confirm that initial characterization is within an order of magnitude of the composite radiological distribution, Table 3, then the composite distribution will be modified to align with the laboratory results.

The radionuclide characterization for routine job control and process equipment waste streams will be the same as that for the bag filters. Smear sampling of the waste and analysis of the smears will be completed to verify characterization of these materials. The evaluation used to establish the total curies for each reportable radionuclide, for each waste package, will be the same as that described for the bag filters.

Smear samples of the process equipment will be collected and analyzed. The samples will be analyzed for radionuclides present. The ratio of these radionuclides will be used as supporting evidence that ratios below the minimum detectable levels are consistent with proper disposal of this solid waste. All smear sampling will be conducted and analyzed in accordance with procedures, which are currently under development. Ratioing, dose-to-curie, based on the verified distribution will be used as the method for quantifying waste packages radiological characterization.

Quantification of 22 reportable radionuclides for the carbon filter and resin bed will be based on the results of the laboratory analysis and/or supporting ratios of radionuclides present at detectable levels. The concentration of each of the reportable radionuclides will be determined.

7.0 QUALITY DETERMINATION

The waste streams will be characterized using sample analyses. Results from smear analysis will confirm the characterization. The verified characterizations will be the basis for dose to curie calculations for each of the packages of wastes. Calculations supporting waste package characterization will be reviewed by an independent qualified review in accordance with the requirements of the Conduct of Engineering and Technical Support Manual (U) E7, 2.31 Engineering Calculations.

8.0 VALIDATION

Validation of the Solvent Tank Closure Radionuclide Characterization will be validated as specified in the attached Solvent Tank Closure Sampling and Analysis Plan.

9.0 REFERENCES

1. White, E. L., Solvent Tank Waste Characterization (U), SRT-WED-94-0118, November 4, 1994.

2. Reed, S. R., Solvent Tanks (S23 - S30) Interim Closure Plan, SWE-SWE-94-0279, July 1, 1994.

3. RUST Federal Services Incorporated, Environmental Monitoring Plan Revision 1, 731055-052-MJR, September 9, 1994.

4. Savannah River Site Waste Acceptance Criteria Manual 1S.

5. Wood, R. W., Thomason, R. S., Radioisotope Characterization of F-Canyon Low-Level Waste (U), WSRC-TR-94-0516.

6. Solvent Tank Waste Transfer, Q-CLC-E-00006, December 2, 1994.

7. Example Radioisotopic Characterization Plans for Low-Level Waste July 1994.

8. Solvent Tanks Waste Analysis Plan, April 7, 1994.

9. Ries, M. J., Requested Information on the Carbon Unit and Ion Exchanger, RUST Federal Services Incorporated, 731055-044-MJR, August 8, 1994.

10. Jackson, R. W., Visnyai, T. A., Kay, E. F., 221/211-H Characterization Plan for Low-Level Radioactive Waste, NMP-SHC-94-0971.

11. DiPrete, D. P., Peterson, S. F., Results - Radiological Analysis of a Bag Filter Sample (U), SRT-ADS-95-1088, May 5, 1995.

12. DiPrete, D. P., Peterson, S. F., Results - Radiological Analysis of a Bag Filter Sample (U), SRT-ADS-95-1104, June 16, 1995.

13. DiPrete, D. P., Results - Radiological Analysis of an SWE Atomic Swipe Sample (U), SRT-ADS-95-1106, June 20 1995.

Figure 1

Solvent Tank Closure Process Flow Diagram

Table 1

Solvent Tank Inventory and Supporting Radionuclide Distributions

Radionuclide	1 Solvent Tanks 23 -30 Inventory Total Curies	2 H-Canyon Hot Side Relative Activity	3 F-Canyon Hot Side Relative Activity	4 Fission Product Relative Activity
^{3}H	1.1E-02	3.2E-04	9.5E-04	
^{14}C		2.0E-07	8.4E-09	
^{60}Co	8.9E-05	1.5E-04	7.3E-04	
^{59}Ni		9.9E-06	5.6E-05	
^{79}Se		4.2E-07	1.0E-06	6.13E-06
^{90}Sr		5.0E-02	1.9E-01	1.0E+00
^{99}Tc		1.5E-05	4.0E-05	2.3E-04
^{126}Sn		3.2E-08	1.7E-07	8.6E-07
^{137}Cs	7.9E-03	8.9E-02	2.5E-01	1.0E+00
^{129}I		2.1E-08	8.4E-08	4.5E-07
^{154}Eu	2.5E-03			
^{155}Eu	3.7E-04			
^{125}Sb	3.4E-04			
^{95}Zr	5.5E-05			
^{233}U		1.3E-11	2.1E-12	
^{234}U		2.1E-05	4.7E-08	
^{235}U		9.4E-08	6.7E-07	
^{236}U		1.2E-06	6.8E-07	
^{238}U		3.3E-09	6.2E-05	
^{237}Np		4.8E-07	8.9E-08	
^{238}Pu	2.5E-02	8.1E-01	3.6E-04	
^{239}Pu	6.0E-04	5.9E-04	1.3E-02	
^{240}Pu		3.4E-04	2.9E-03	
^{241}Pu		1.7E-02	1.5E-01	
^{242}Pu		4.1E-07	2.8E-07	
^{241}Am	2.6E-03	1.9E-04	1.4E-03	
^{244}Cm	3.3E-02			
Other Beta/ Gamma				

1. SWE-SWE-94-0279 and SWE-SWE-94-0571
2. NMP-SHC-94-0971
3. WSRC-TR-94-0516
4. EPD-CTG-94-0006

Table 2

Estimated Solvent Tank Inventories

Radionuclide	1 Estimated Inventory Based on H-Canyon & Solvent Tanks ^{238}Pu Curies	2 Estimated Inventory Based on F-Canyon & Solvent Tanks ^{239}Pu Curies	3 Estimated Inventory Based on Fission Product Distribution & Solvent Tanks ^{137}Cs Curies
^{3}H	9.7E-06	4.5E-05	
^{14}C	6.2E-09	4.0E-10	
^{60}Co	4.7E-02	3.5E-05	
^{59}Ni	3.1E-07	2.7E-06	
^{79}Se	1.3E-08	7.8E-08	4.8E-08
^{90}Sr	1.5E-03	8.8E-03	8.0E-03
^{99}Tc	4.6E-07	1.9E-06	1.8E-06
^{126}Sn	9.7E-10	7.9E-09	6.8E-09
^{137}Cs	2.7E-03	1.2E-02	7.9E-03
^{129}I	6.6E-10	4.0E-09	3.5E-09
^{154}Eu	—		
^{155}Eu			
^{125}Sb			
^{95}Zr			
^{233}U	4.1E-13	9.9E-14	
^{234}U	6.6E-07	2.2E-09	
^{235}U	2.9E-09	3.2E-08	
^{236}U	3.6E-08	3.2E-08	
^{238}U	1.0E-10	2.9E-06	
^{237}Np	1.5E-06	4.2E-09	
^{238}Pu	2.5E-02	1.7E-05	
^{239}Pu	1.8E-05	6.0E-04	
^{240}Pu	1.0E-05	1.4E-04	
^{241}Pu	5.1E-04	7.2E-03	
^{242}Pu	1.3E-08	1.3E-08	
^{241}Am	5.9E-06	6.5E-05	
^{244}Cm			
Other Beta/ Gamma			

1. Based on information provided in NMP-SHC-94-0971, see Table 1, column 2. Total curies for ^{238}Pu based on information provided in Table 1, column 1.
2. Based on information provided in WSRC-TR-94-0516, see Table 1, column 3. Total curies for ^{239}Pu based on information provided in Table 1, column 1.
3. Based on information provided in EPD-CTG-94-0006, see Table 1, column 4. Total curies of ^{137}Cs based on information provided in Table 1, column 1.

Table 3

Solvent Tank Composite Inventory

Radionuclide	Solvent Tank Composite Inventory Curies	Curie Fractions	LAWV WAC Curies/Box
^{3}H	1.1E-02[1]	7.3E-02	1.0E+01
^{14}C	6.2E-09[2]	4.1E-08	3.3E-03
^{60}Co	4.7E-02[2]	3.1E-01	2.3E+01
^{59}Ni	2.7E-06[3]	1.8E-05	6.3E-02
^{79}Se	7.8E-08[3]	5.2E-07	5.2E-04
^{90}Sr	8.8E-03[3]	5.8E-02	1.1E+00
^{99}Tc	1.9E-06[3]	1.3E-05	1.7E-04
^{126}Sn	7.9E-09[3]	5.2E-08	2.9E-04
^{137}Cs	1.2E-02[3]	8.0E-02	7.6E-01
^{129}I	4.0E-07[3]	2.7E-06	8.3E-08
^{154}Eu	2.5E-03[1]	1.7E-02	NWL
^{155}Eu	3.7E-04[1]	2.5E-03	NWL
^{125}Sb	3.4E-04[1]	2.3E-03	NWL
^{95}Zr	5.5E-05[1]	3.7E-04	NWL
^{233}U	4.1E-13[2]	2.7E-12	2.2E-05
^{234}U	6.6E-07[2]	4.4E-06	7.5E-03
^{235}U	3.2E-08[3]	2.1E-07	1.1E-04
^{236}U	3.6E-08[2]	2.4E-07	1.4E-03
^{238}U	2.9E-06[3]	1.9E-05	2.3E-03
^{237}Np	1.5E-08[2]	1.0E-07	2.2E-05
^{238}Pu	2.5E-02[1]	1.7E-01	9.1E-02
^{239}Pu	6.0E-04[1]	4.0E-03	9.1E-02
^{240}Pu	1.4E-04[3]	9.3E-04	9.1E-02
^{241}Pu	7.2E-03[3]	4.8E-02	1.1E+00
^{242}Pu	1.3E-08[3]	8.6E-08	9.1E-02
^{241}Am	2.6E-03[1]	2.7E-02	9.1E-02
^{244}Cm	3.3E-02[1]	2.2E-01	NWL
Other Alpha	3.3E-02[6]	Individually Addressed Above	3.7E-03
Other Beta/ Gamma	3.3E-03[5]	Individually Addressed Above	2.3E +00

1. Total curies based on information provided in Table 1, column 1.
2. Total curies based on H-Canyon Distribution provided in Table 2, column 1.
3. Total curies based on F-Canyon Distribution provided in Table 2, column 2.
4. Total curies based on Fission Product Distribution provided in Table 2, column 3.
5. Sum of inventories for ^{95}Zr, ^{125}Sb, ^{154}Eu, and ^{155}Eu.
6. Sum of inventories for ^{244}Cm.

NWL No specific Waste Acceptance Criteria Limit

Table 4

Solvent Tank Reported Chemical Analysis

Place Holder for actual Table 4

Table 5

Example Calculation
Limiting Case Solvent Volume Required for Classification as Hazardous Waste

Glove Bag Example

A. Calculation Supporting Information

Mercury will be used in the calculation as the indicator for hazardous waste. Mercury is selected because it has the lowest regulatory limit of any of the hazardous constituents identified in the wastes (see Table 4).

The largest average concentration found in any of the original eight tanks will be used in the calculation to be conservative. Concentration of mercury is 13.4 mg/L.

The glove bag is a portable "hut-like" structure use to provide contamination containment. The glove bag is a 8' high structure with eight glove ports, four glove port on opposing sides. Access into the glove bag is thorough a zipper door adjacent to the glove ports. The glove bag access is for equipment only no personnel entry is permitted once the tanks is opened in the glove bag. The bottom dimensions of the bag are 3 ft by 3 ft square. The bag is tie-wrapped to a pipe stand which provides support for the plastic glove bag. The entire unit weighs approximately 30 lbs.

Solvent density is 800 kg/m^3.

Regulatory limit for mercury is 0.2 ppm.

Formula:

$$\text{Concentration Hazardous Constituents} = \frac{\text{Mass Hazardous Constituents}}{(\text{Mass Waste Stream} + \text{Mass Solvent Waste}) * 20}$$

$$\text{Concentration Hazardous Constituent} = \frac{M_{Hg}}{(M_{Glove\ Bag} + M_{Solvent}) * 20}$$

B. Calculating Mass Hazardous Constituent

$M_{Hg} = [Hg] * V_{Solvent}$

$M_{Hg} = 13.4\ mg/L\ (1000L/264.2\ gallon) * V_{Solvent} = 50.7\ mg/gallon * V_{Solvent}$

$M_{Hg} = 50.7\ mg/gallon * V_{Solvent}$

C. Calculating Mass Glove Bag

$M_{Glove\ Bag} = 30\ lbs.\ (1\ Kg/2.2\ lbs.) = 13.6\ Kg$

$M_{Glove\ Bag} = 13.6\ Kg$

D. Calculating Mass Solvent

$M_{Solvent} = Density_{Solvent} * V_{Solvent}$

$M_{Solvent} = 800\ Kg/m^3\ (1m^3/264.2\ gallon) * V_{Solvent} = 3.0\ Kg/gallon * V_{Solvent}$

$M_{Solvent} = 3.0\ Kg/gallon * V_{Solvent}$

E. Calculating Solvent Volume

$$0.2\ ppm = \frac{50.7\ mg/gallon * V_{Solvent}}{20 * (50.7\ mg/gallon * V_{Solvent} + 13.6\ Kg)}$$

$54.4\ mg + 12\ mg/gallon * V_{Solvent} = 50.7\ mg/gallon * V_{Solvent}$

$54.4\ mg = 38.7\ mg/gallon * V_{Solvent}$

$V_{Solvent} = 1.4\ gallon$

F. Equivalent Floor Layer Thickness

$1.4\ gallon\ (35.32\ ft^3/264.2\ gallon) = 1.9\ ft^3$

$1.9\ ft3 = 3\ ft * 3\ ft * Film\ Thickness$

$Film\ Thickness = 0.2\ ft * (12\ inch/1\ ft) = 2.5\ inch$

Film Thickness = 2.5 inch

G. Conclusion

A layer of solvent on the floor of the glove box 2.5 inches thick is required it to be considered hazardous waste. Visible wetness in the glove box in the form of solvent droplets or condensation will not result in the classification of the waste a hazardous since this volume is well below the solvent volume limit.

DIVIDER PAGE

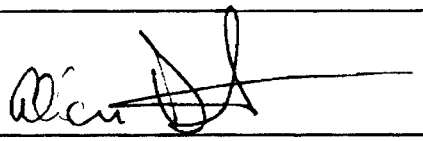
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P049
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Solvent Tanks (S23 – S30) Interim Closure Plan (U)	
Source Document Reference Information (author(s), document and revision number, date, publisher): S.K. Nicodemus, SWE-SWE-94-0279, Rev. 3, 04/30/1996	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR4, PR5, WS2, WS8, WS9, WS11, WS12, S9	Throughout	The SRS currently stores various solvent waste in two underground solvent tanks (S29 and S30). Figure 1 (page 9) identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Tanks S29 and S30 are a RCRA interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility (LLRWDF). Tanks S29 and S30 were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene. Tanks S23 through S28 were declared unfit for use April 10, 1992, and the contents transferred to S29 and S30, and interim closure completed in August 1995. Replacement tanks for S29 and S30 have been permitted and constructed for storage of the consolidated solvent waste. Replacement tanks are available and waste currently in S29 and S30 will be transferred by October 1996. Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of Phase I (Interim Closure of S23 through S28) - completed August 1995., Phase 2 (Interim Closure of S29 and S30), Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (33H through 36H) by October 31, 1996, Phase 3 (Final Closure of S23 through S30). This Interim Closure Plan for S29 and S30 describes the location and operation of solvent tanks and the activities required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. Table 1 on page 17 is the chemical analysis for the tanks, and Table 2 on page 18 lists the radioactive constituents in the tanks.

CCP RECORDS ORIGINAL
DATE REC'D 11-19-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P049
Source Document Data Limitations (if any): 1. Best available copy	
Acceptable Knowlege Expert: Allen Dickerson /  Date: 06/15/2012 Print /Sign	

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

OSR 19-197# (Rev 10-27-93)

Design Change Form (DCF)

DBMWZR

1. DCF No.	M-DCF-E-00015	2. Page 1 of 30

3. Supersedes: N/A

4. Functional Classification: ☐ NS ☐ CP ☒ PS ☐ GS

5. Security Classification: ☒ U ☐ UCNI ☐ Other _____

6. Area	7. Project No. and Name
E	E211022 - BURIAL GROUND SOLVENT STORAGE TANKS S23 - S28 RCRA CLOSURE

8. Originator	Date	9. Organization	10. Address	11. Phone
W.A. Yoon	10/04/94	E&PD/DE	966W-B10-015	952-5165

12. WA Concurrence: ☐ Yes ☒ No

13. Documents (No.) Requiring Change	Rev
M-SPP-E-00006	2

14. Reference Documents (No.)	Rev
SWE-SWE-94-0279, Interim Closure of Solvent Tanks S23 through S30, July 1, 1994	N/A

Section I Originator

15. Reason for Change

The specification requires a revision to allow the use of class DOT 17C drums and to include the SC DHEC approved closure plan. New site training has consolidated some of the training requirements. (2)

16. Description of Change

Change appropriate paragraphs to allow the use of DOT 17C drums (see page 2 of 2).

Cont'd on Page N/A

Replace Attachment 9.1 with the approved closure plan (referenced above).

Remove the WSRC Safety and Security training (2 hrs.) requirement from paragraph 3.2.

17. Location: N/A DWL 10/10/94

Cont'd on Page 2. Elevation N/A

18. Approval (Originator's Manager) Date	19. Issue Date	20. Physical Work Required?
N/A	10/4/94	☐ Yes ☒ No

Section II Approval

21. Design Input and Other Documents Review?

SAR ☐ Yes ☐ No ☒ N/A

DPHR ☐ Yes ☐ No ☒ N/A

QAR ☐ Yes ☐ No ☒ N/A

QIP ☐ Yes ☐ No ☒ N/A

QAR/QIP No. N/A

22. BCP Required?

☐ Yes ☒ No

BCP No. N/A

23. Design Reviews

ALARA Reviewed Required? ☐ Yes ☒ No

USQD Required? ☐ Yes ☒ No

24. Responsible Engineer W.A. Yoon Date 10/10/94

25. Verifier/Checker D.L. Lea Date 10/10/94

26. Reviews and Approvals

Name	Org/Dept	Initial	Date
S. R. Reed	SWE	SRR	10/10/94

Date 10-18-94

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00113499

27. Technical Justification/Disapproval Reason

The interim closure plan was approved by SC DHEC on 09/19/94. The subcontractor must perform the closure in accordance with the approved plan. The approved closure plan will not change the subcontract.

Allowing the use of DOT 17C will allow the subcontractor greater flexibility in waste disposal of the drums and the waste materials and will not impact any storage or transport regulations.

☒ Approval ☐ Disapproval

JC Hunt 10/12/94

RL D.W. Wright 10/11/94

Signature Date

Design Change Form Continuation Sheet

Change Procurement Specification M-SPP-E-00006 as follows:

Revise Section 3.2 to read:

All personnel brought on site shall successfully complete WSRC General Employee Training (GET) (8 hours upon arrival at SRS.

Revise Section 1.3.3 to read:

The Supplier shall provide all storage and waste containers, such as rinsate sample containers, DOT 17E **or 17C** 55-gallon drums, intermediate bulk containers, and the necessary spill containment as required for rinsate and waste handling. WSRC shall provide all B-12 boxes, B-25 boxes, etc., as required by the Supplier for radioactive waste disposal.

Revise Section 5.2.13 to read:

Rinsate that is categorized by laboratory analysis as hazardous and radioactive (See Attachment 9.5) will be sent to either tank S29 or S30, or another tank in the vicinity, as directed by the STR. The subcontractor shall determine the method to transfer the waste rinsate from tank to tank (i.e., via pumps and hoses, drums, vacuum trailer, etc.). Should the selected method of transferal be drumming the waste, the Supplier shall provide DOT 17E **or 17C** 55-gallon drums and the necessary transportation to those tanks.

Revise Section 5.2.14 to read:

Rinsate that is categorized by laboratory analysis as hazardous but meets acceptable radiation limits as determined by WSRC (See Attachment 9.5) shall be sent to either tank S29 or S30, another tank in the vicinity, or drummed for storage (Supplier responsible for providing drums), as directed by the STR. The subcontractor shall determine the method to transfer the waste rinsate from tank to tank (i.e., via pumps and hoses, drums, vacuum trailer, etc.). Should the selected method of transferal be drumming the waste, the Supplier shall provide DOT 17E **or 17C** 55-gallon drums and the transportation to those tanks.

Revise Section 5.2.15 to read:

Rinsate that is categorized by laboratory analysis as nonhazardous but exceeds the acceptable radiation limits as determined by WSRC (See Attachment 9.5) shall be drummed by the Supplier. The Supplier shall provide the necessary DOT 17E **or 17C** 55-gallon drums and temporary storage. WSRC shall provide the necessary transportation to an approved waste storage/treatment/disposal facility in accordance with federal and state regulations and site procedures. Should WSRC use a tanker truck to transport the rinsate, the Supplier shall provide a method, e.g., drum pumps, of transferring the waste from the drums to the tanker truck.

Replace Attachment 9.1 with the attached closure plan, SWE-SWE-94-0279, "Solvent Tanks (S23 - S30) Interim Closure Plan (U)", July 1, 1994.

SWE-SWE-94-0279
Interim Closure of Solvent Tanks S23 through S30
July 1, 1994

SOLVENT TANKS (S23- S30) INTERIM CLOSURE PLAN (U)

PREPARED BY: Rebecca S. Lewis DATE 6/21/94
Rebecca S. Lewis

ADC & RO
REVIEWED BY: Marcia Birk DATE 6/21/94
Marcia B. Birk

DOES NOT CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC & Reviewing Official: Marcia Birk, Engineer
(Name and Title)
Date: 6/21/94

FILE 40301 / PF-115.06.01

M-DCF-E-00015, PAGE 4 of 30

TABLE OF CONTENTS

Section			Page
LIST OF TABLES			ii
LIST OF FIGURES			ii
LIST OF APPENDICES			ii
1.0	INTRODUCTION		
	1.1	Background	1
	1.2	Regulatory Basis for Closure	5
	1.3	Summary of Closure Plan	6
2.0	BACKGROUND DATA		
	2.1	Tank Description	6
	2.2	Waste Characterization	11
3.0	DESCRIPTION OF CLOSURE ACTIVITIES		
	3.1	Safety	15
	3.2	Tank Decontamination	16
		3.2.1 Render Interior Atmosphere Inert	17
		3.2.2 Set Up for Remote Cleaning	17
		3.2.3 Remote Tank Cleaning	17
		3.2.4 Final Rinse	18
		3.2.5 Transfer and Storage of Rinse Solution	18
		3.2.6 Storage and Disposal of Filters and Resin	19
	3.3	Inert Filling of Tanks and Risers	19
		3.3.1 Technical Justification of Inert Fill Material	19
		3.3.2 Justification of Fill Material to Support Cap	20
		3.3.3 Sealing Tank Openings	20
	3.4	Schedule	21
4.0	EQUIPMENT DECONTAMINATION		23
5.0	EROSION AND SEDIMENTATION CONTROL PLAN		23
6.0	MAINTENANCE OF CLOSURE PLAN		23
7.0	LLRWDF CLOSURE		24

M-DCF-E-00015, PAGE 50 of 30

Section		Page
TABLES		
Table 1	Reported Chemical Analyses	13
Table 2	Radioactive Constituents Identified in Solvent Tanks S23-S30	14
FIGURES		
Figure 1	Tank Location	4
Figure 2	Burial Ground Configuration	9
Figure 3	Schematic of a Typical Tank	10
Figure 4	Preliminary Schedule for Solvent Tanks Closure	22
Figure 5	LLRWDF Location Map at E-Area	25

APPENDICES

Appendix 1 Q-CP-E-001 Underground Solvent Storage Tanks Plan/Sections/Details

Appendix 2 C-ERP-E-00007 Stormwater Management and Sediment Control Plan for the Underground Solvent Storage Tanks Closure (U)

1. INTRODUCTION

1.1 Background

The United States Department of Energy (DOE) owns and operates the Savannah River Site (SRS), a nuclear materials production facility located in Aiken, South Carolina. Operations at the SRS have resulted in the generation, storage, and disposal of various wastes, including solid, hazardous, and mixed waste. The SRS currently stores various solvent waste in eight underground solvent tanks (S23 through S30). Figure 1 identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities.

Tanks S23 through S30 are a Resource and Conservation and Recovery Act (RCRA) interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility. The tanks were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene.

Tanks S23 through S28, which were 15 years old in 1990, were declared unfit for use April 10, 1992. Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The waste from these tanks has been transferred to S29 and S30. Tanks S29 and S30 were integrity tested in November, 1993, and will be used to store the consolidated

waste. Tanks S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements in October of 1996. At this time, there are no plans to upgrade tanks S29 and S30 to comply with leak detection requirements. Instead, replacement tanks will be permitted and constructed for storage of the consolidated solvent waste. Replacement tanks will be available by October 1996, dependent on SCDHEC approval of the Part A for these tanks by September 1994.

The interim closure of solvent tanks S23 through S30 will consist of triple rinsing and grouting the tanks in preparation for the final closure. The final closure of the solvent tanks will be completed as part of the Low Level Radioactive Waste Disposal Facility Closure (LLRWDF) low permeability cover system. The Mixed Waste Management Closure Plan (Volume 2-LLRWDF) will be amended to include closure of the solvent tanks.

Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of the following:

Phase 1 (Interim Closure of S23 through S28)
•S23 through S28 will be triple rinsed and filled with grout.
•The area around these tanks will be regraded and managed according to an approved Soil and Erosion Plan.

Phase 2 (Interim Closure of S29 and S30)
•Annual integrity test of S29 and S30 will be conducted as required each November until all waste is removed from the tanks.
•S29 and S30 will be used for the temporary storage of all solvent waste and rinse solution that is generated from the interim closure of S23 through S28.
•S29 and S30 will continue to be rodded and inspected, and sumps will be checked per RCRA Interim Status requirements.
•Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (S33 - S36) by October 31, 1996. This date is tentative and dependent on the replacement tank permitting and construction schedule.

•S29 and S30 will be triple rinsed and filled with grout.

•The area around these tanks will be regraded and managed according to an approved Soil and Erosion Plan.

Phase 3 (Final Closure of S23 through S30)

•The LLRWDF Closure Plan will be amended to include S23 - S30.

•S23 through S30 and S32 which was closed in 1988 will be capped as part of the LLRWDF Closure.

Section 3 of this document will address the details of the Interim Closure of S23 through S30.

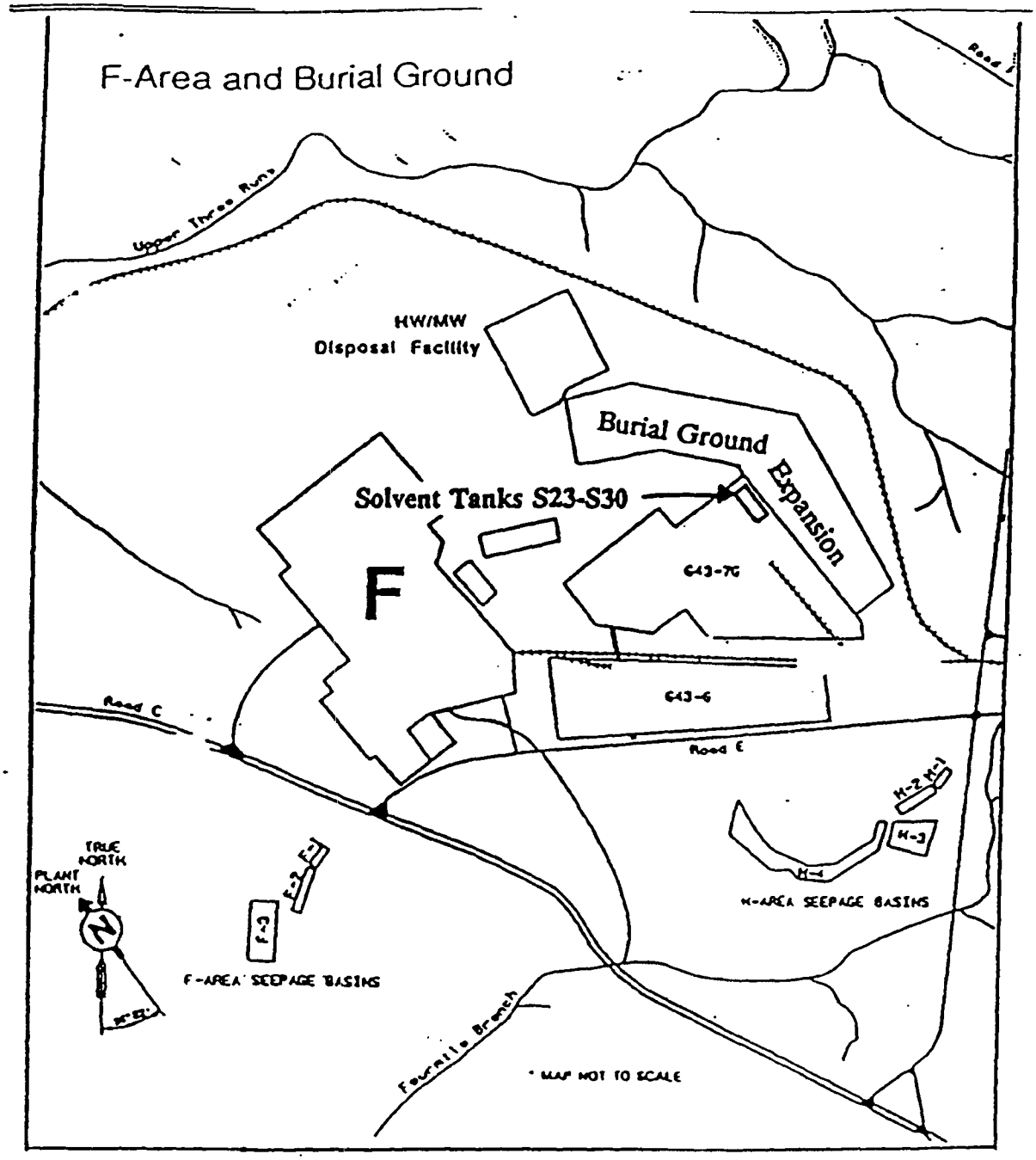


FIGURE 1
TANK LOCATION

1.2 Regulatory Basis for Closure

SCHWMR R. 61-79.265.193(a)(5) requires secondary containment and leak detection for existing tank systems either within two years of the date the tank systems become subject to the regulations or when the tank systems have reached 15 years of age, whichever comes later. Section 265.191 requires that existing tank systems that do not have secondary containment must undergo a tank integrity assessment within 12 months after the date the tank system became subject to the regulations. Additionally, an annual leak test that meets the requirements of Section 265.191(b)(5) must be conducted until such time that secondary containment requirements are met. This is required by 265.193 (i) (2).

Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. At this time, there are no plans to provide secondary containment or leak detection for S23 through S28. The contents of S23 through S28 have been transferred to S29 and S30, which successfully passed integrity tests in November 1993. Tanks S23 through S28 will be triple rinsed and filled with grout as an interim closure prior to the final LLRWDF Closure. Tanks S29 and S30 will be kept in service until October 31, 1996, when they will reach 15 years of age. October 31, 1996 is the date that S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment. After this date, replacement tanks, S33 through S36, will be used to store the consolidated waste from S29 and S30. An interim closure, consisting of triple rinsing and grouting Tanks S29 and S30, will be implemented upon removal of waste from the tanks. The entire solvent tank storage area will be included in the Low Level Radioactive Waste Disposal Facility (LLRWDF) Closure Plan. The LLRWDF Closure is required by RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE. The LLRWDF Closure Plan addresses LLRWDF trenches, cells, and boreholes that received hazardous waste in the form of F-Listed solvent rags between March 11,1986 and January 25,1990. The LLRWDF Closure

Plan is based on South Carolina Hazardous Waste Management Regulations (SCHWMR) R.61-79.265 Subparts G (Closure and Post-Closure Plan) and N (Landfill). The LLRWDF Closure Plan was submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) in August 1993 and will be amended by January 1, 1995 to include the solvent tank area.

1.3 Summary of Closure Plan

This Interim Closure Plan for S23 through S30 describes the location and operation of solvent tanks and the activities that are required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. These activities include triple rinsing with a solution of water and a non-hazardous cleaner followed by a final rinse of clean water and filling the tanks with grout. The proposal to rinse and grout the tanks prior to capping will minimize threats to human health and the environment caused by the potential release of hazardous constituents after the closure of LLRWDF.

2. BACKGROUND DATA

2.1 Tank Description

There were originally 32 tanks installed at SRS with the intended purpose of storing spent canyon solvent. Tanks S1-S22 were installed in the Old Radioactive Waste Burial Ground (643-E) between 1955 and 1968. These tanks are being assessed under the RCRA/CERCLA (RFI/RI) Program. Tanks S23 through S28 were installed in the Burial Ground Complex in March of 1976. Tanks S29 through S32 were installed in the Burial Ground Facility in October of 1981. Tank S32 was used to store tritiated oil and was closed in accordance with RCRA regulations in 1988. Tank S31 was never used for storage and has been excavated. Figure 2 identifies the location of Tanks S23-S30 in the Burial Ground Complex.

Solvent Storage Tanks S23 through S30 are constructed of 3/8" thick carbon steel, coated with three applications of bitumastic coating to prevent external corrosion. A schematic diagram of a typical tank is shown in Figure 3. Each tank is cylindrical, measures 10'6" x 38'10", and has a 25,000 gallon capacity. Each tank is supported by four steel saddles, resting on a sloping concrete pad approximately 15 feet below grade. As a preventive measure against the tanks floating under high groundwater conditions, each tank was anchored to its pad with four metal bands. Each pad is sloped 0.2 inches per foot (6 1/8 inches over the length of the pad) toward a 64 gallon bitumen coated steel collection sump. The top of each pad is v-shaped so that any spillage flows towards the center line of the pad. At the sump-end of the pad, a 2 inch diameter pipe directs liquids from the pad into the underlying sump. Each solvent storage tank and its respective sump are covered by an oil resistant 30 mil PVC liner. The PVC liner is covered by a layer of topsoil which is in turn covered by asphalt and seeded mulch. Each tank is equipped with a rodding tube for inventory purposes, a fill tube, and an emptying tube. All ancillary equipment is enclosed by the PVC liner except for those portions above the ground surface that can be visually inspected. Each solvent storage tank contains one HEPA filtered vent. Tanks S29 and S30 are identical to Tanks S23 through S28 except that they have a manhole and a 30 mil PVC liner that extends below the concrete pad up to the surface. Drawing Q-CP-E-0001 (Appendix 1) provides details and cross sections of a typical tank.

WSRC site procedures provide administrative controls which have been used to prevent the tanks from overflowing during filling operations. These controls include taking inventory measurement of the tank proposed to receive the waste, calculating the remaining available capacity, and determining that the volume of the waste to be transferred does not exceed the available space. Inventory measurements are made using a calibrated stainless steel rod.

The sumps for tanks S23 through S30 have been checked bi-weekly for the accumulation of liquid since the tanks were in service, whether or not the tanks were involved in filling/emptying operations. The sump contents are sampled and analyzed for alpha and beta-gamma activity. Based on these

laboratory results, the contents of the sump are pumped to grade, stored as low level waste, or stored as mixed waste.

These tanks fall within the unit facility boundary for the combined Burial Ground Complex RCRA/CERCLA unit. Interim and Final Closure of the solvent tanks will proceed under RCRA guidance; however, closure data and any environmental impacts will be incorporated into, and evaluated under, the RCRA/CERCLA program for the combined Burial Ground Complex.

FIGURE 2 BURIAL GROUND CONFIGURATION

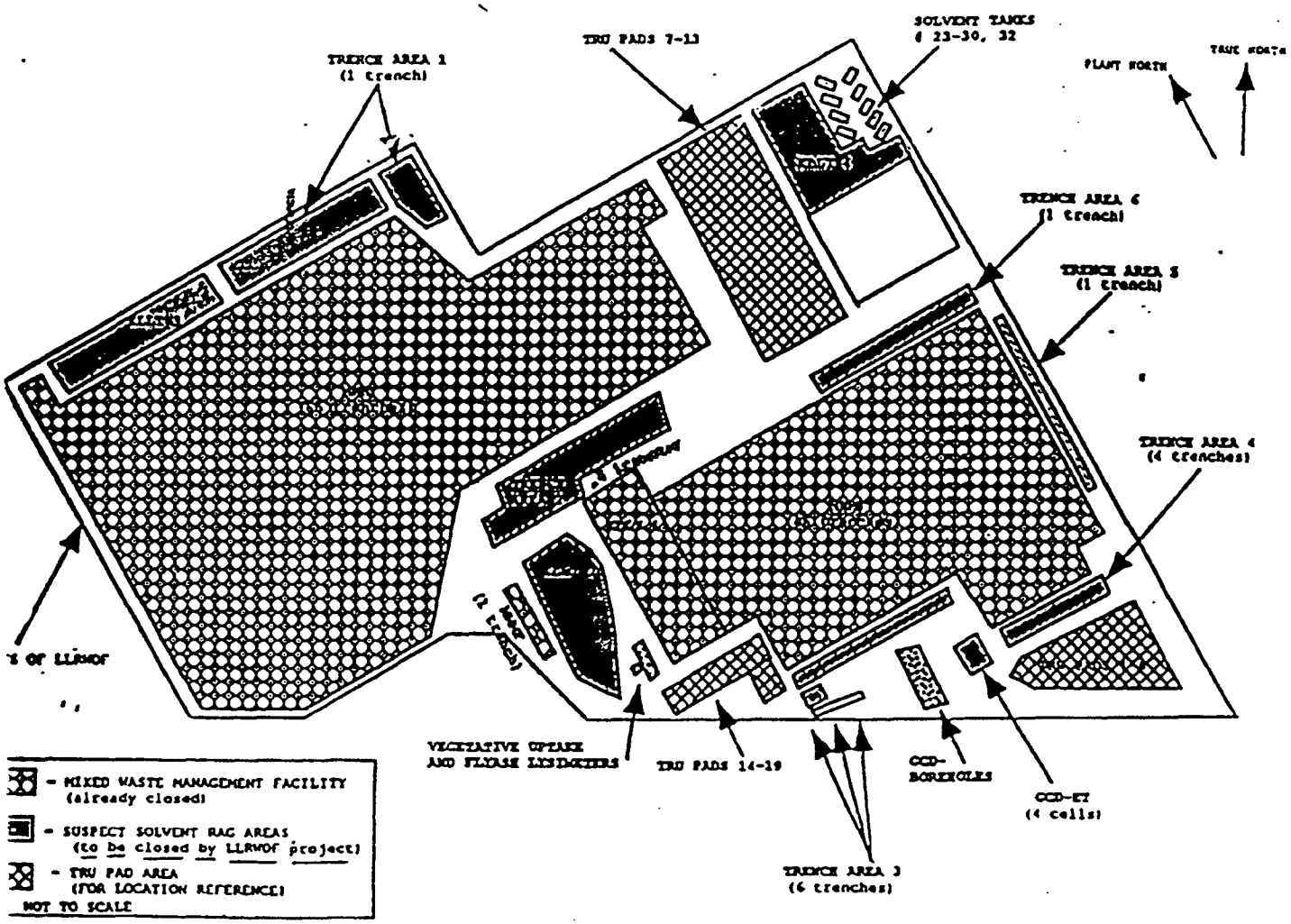
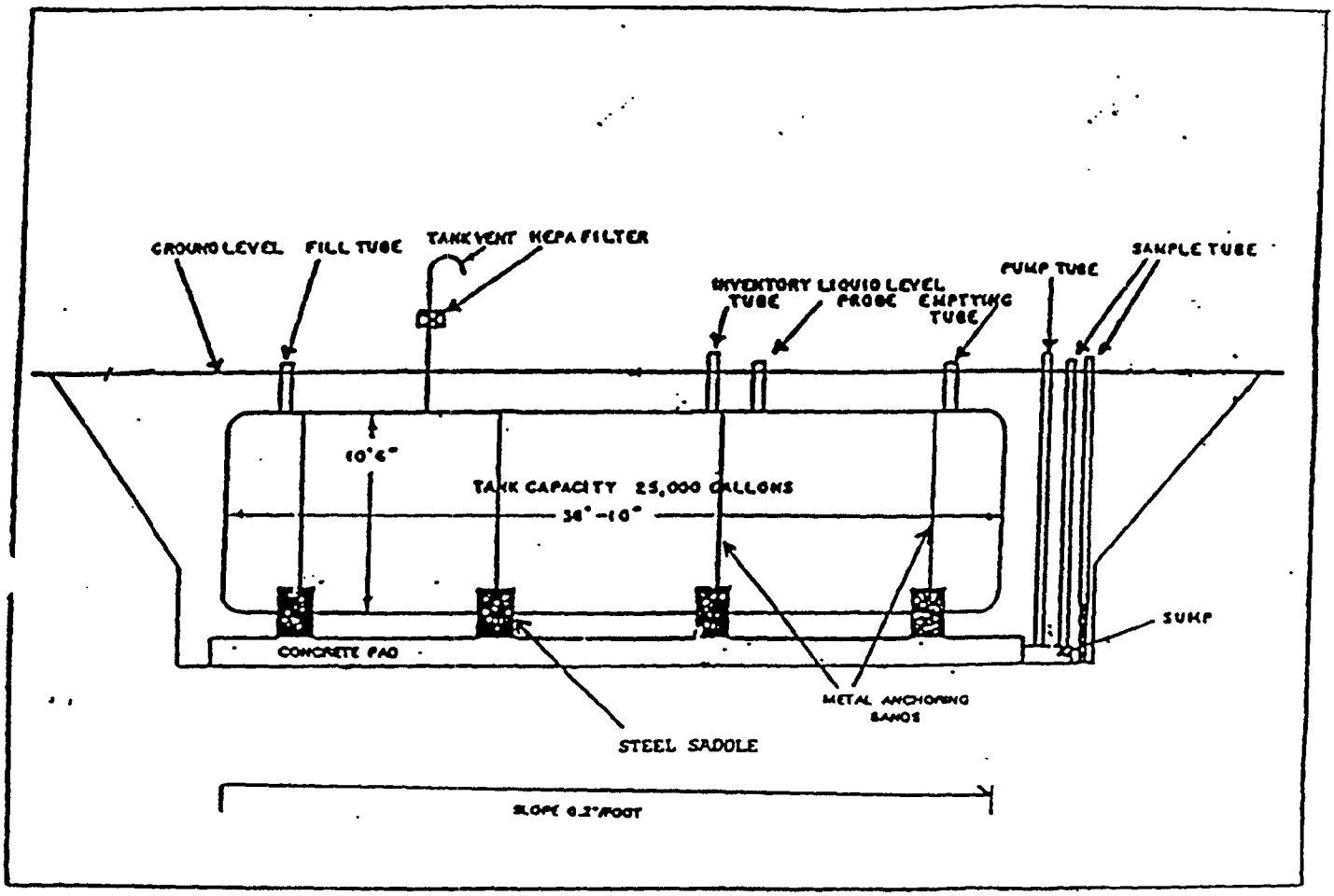


FIGURE 3 SCHEMATIC OF A TYPICAL TANK



2.2 Waste Characterization

In the past, solvent waste consisted of such items as oils, scintillation fluids, n-paraffin, ultrasene, and tributyl phosphate (TBP). The current inventory consists primarily of n-paraffin and TBP from the Separations PUREX process. Because of the variety of sources, the composition of the waste is varied. In the radiochemical separations process at SRS, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically TBP in n-paraffin with residuals of uranium, plutonium, and fission products) is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible. In the past this material was shipped to solvent tanks S1-S22 in the Old Burial Grounds (643-E). Some of the material was disposed of by burning in open pans in the Burial Ground. Because of air quality standards, this practice was discontinued. In the early 1980's, another disposal campaign was begun which burned the majority of the remaining material at the Beta Gamma Incinerator (BGI). This procedure was also discontinued. As the new solvent tanks S23-S30 became operational, the remaining heels from S1-S22 and all subsequent solvent shipments were transferred to these tanks.

A sampling and analysis plan was completed in September 1991 which included an isotopic analysis and both TC metal and organic analyses. SRTC completed the isotopic analyses which resulted in ranges from 6.40E+03 to 5.51E+05 disintegrations / minute / milliliter (d/m/ml) gross alpha and 2.35E+03 to 2.12E+05 d/m/ml beta-gamma. The Savannah River Technology Center (SRTC) was also able to perform volatile and semi-volatile organic analysis. However, due to inadequate equipment and unapproved procedures, they were only able to complete a screening for TC metals. Samples were then sent to Oak Ridge National Laboratory (ORNL) for TC metals analysis.

On March 18, 1992, SRS received sample results from the TC metals analysis from ORNL which indicated that the wastes are hazardous for silver, lead, and mercury. Analytical results from ORNL for hazardous constituents are not available for tanks S27 and S29 due to the shut down of exhaust hoods that

were necessary to perform a proper digestion of an organic sample prior to analysis for TCLP metals. It is assumed that these tanks contain all the hazardous constituents found in the analytical results for the other tanks.

Current data indicate that elevated levels of benzene, TCE, lead, mercury, and silver are present in some of the tanks. Radioactive constituents are present in all of the tanks. Table 1 summarizes the hazardous constituents detected in the tanks. Table 2 gives a summary of the radioactive constituents identified.

M-DCF-E-0001S PAGE 18 of 30

Table 1
Chemical Analyses for Solvent Tanks

Tank	Analy No (ORNL)	Approximate Volume (Gallons)*	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)	pH (SRTC)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0 2	5	<2, >12 5
Tank S 23 Top (organic)	920330-075	824	< 500	< 50	650	475	< 0.002	< 0.002	< 0.002	0.021+/-0.005	< 0 004	0 546+/-0 027	0 44+/-0 048	< 0 094	
Tank S 23 Bot (aqueous)	920330 076	3343	9696	34	77	50	1.28 +/-0.02	119+/-0.025	<0 002	2.29+/-0.01	0 042+/-0 004	0 21+/-0 006	2 8+/ 0 13	1 32+/-0 32	11 21
Tank S 26 Top (organic)	920204-137	90	3445	< 5	< 5	< 5	0.055+/-0.04	< 0.008	< 0.009	1 11+/-0 01	< 0.004	< 0 005	< 0 038	< 0 094	
Tank S 26 Bot (aqueous)	920204-138	197	2584	< 5	< 5	< 5	2.46+/-0.15	< 0.008	< 0.009	4 32+/-0.05	0.128+/-0.015	0 492+/-0.015	5.86+/-0 6	2 3+/-3 80	n
Tank S-27 Top (organic)		22804	Below TCLP Limits	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-27 Bot (aqueous)		551	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S 28 Top (organic)	920204 139	15	9282	?	<5	<5	0.72+/-0.065	< 0.008	< 0.009	3.3+/-0 015	0.102+/-0 05	0 248+/-0 025	1 37+/-1 87	2 75+/-2 75	
Tank S 28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	< 0.008	< 0.009	9.67+/-0.09	0.842+/-0.025	3 13+/-0 015	24.18+/ 385	24 39+/ 1 09	NA
Tank S 29 Top (organic)		0 **	Below TCLP Limits	280	Below TCLP Limits	Below TCLP Limits	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-29 Bot (aqueous)		57	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S 30 Top (organic)	920330-077	240	< 100	< 5	< 5	< 5	< 0 002	< 0.002	< 0.002	0.042+/-0.007	< 0.004	0 703+/-0 019	0 428+/- 059	< 0 094	
Tank S-30 Bot (aqueous)	920330 078	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0 017	0 109+/-0 01	0 134+/- 061	< 0 094	NA

WEIGHTED AVERAGE***

Tank	Analy No (ORNL)	Approximate Volume * (Gallons)	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0 2	5
Tank S 23		4167	7878	37	190	134	1 043	0.116	< 0.002	1 85	0 038	0 287	2 447	1 334
Tank S 26		287	2840	< 5	< 5	< 5	1 821	< 0 008	< 0.009	3 351	0 099	0 35	4 46	4 22
Tank S 28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	6 325	< 0 008	< 0 009	6 923	0 497	1 66	13 38	15 15
Tank S 30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0 026	0 041	0.079	0 09	0 025	0 43	0 348	0 094

*Measured at the time of sampling.

Tanks S1 and S2 contain no measurable liquids

* Tanks S21 & S29 were analyzed by SRTC only

** While there was an organic layer in the sample, the layer was not thick enough to be measured by sticking techniques

*** Tanks S27 & S29 are not included in the weighted averages

NA - Not Analyzed

Radioactive Constituents Identified in Solvent Tanks S23 - S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 = 5.57E-04 Cs137 = 4.47E-02 Eu154 = 5.82E-04 Am241 = 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 = 5.72E-04 Cs137 = 4.47E-02 Eu154 = 3.27E-04 Am241 = 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 = 6.53E-03 Cs137 = 2.36E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 = 6.57E-03 Cs137 = 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 = 2.51E-04 Eu154 = 3.68E-03 Eu155 = 5.96E-04	<1%Pu239 30.6%Pu238 4.8%Am241 63.7%Cm244	9.7E-01	1.1E-01	7.8E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 = 2.59E-04 Eu154 = 3.57E-03 Eu155 = 5.58E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 = 1.86E-04 Eu154 = 3.88E-03 Eu155 = 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 = 4.29E-03 Eu155 = 6.69E-04	<1%Pu239 40.8%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.8E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 = 3.04E-04 Sb125 = 3.07E-03 Cs137 = 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 = 1.36E-04 Sb125 = 2.99E-03 Cs137 = 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 = 1.80E-03 Cs137 = 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 = 1.76E-03 Cs137 = 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 = 2.16E-04 Sb125 = 1.17E-03 Cs137 = 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 = 7.30E-04 in top layer Co60 = 2.27E-04 Cs137 = 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

M-DCFE-0005, PAGE 19 of 30

3. DESCRIPTION OF CLOSURE ACTIVITIES

3.1 Safety

During closure operations, SRS will comply with the requirements of OSHA 1910.120 Site Specific Safety and Health Plan which will include a site specific Safety, Health, and Emergency Response Plan.

The concept of keeping employee radiation exposure "As Low As Reasonably Achievable" (ALARA) will be incorporated. All aspects of radiation control will be performed in accordance with the WSRC 5Q Manual. A Radiation Work Permit (RWP) will be written prior to initiation of the job. After the RWP is written, SW will perform an ALARA Review. Workers will sign the RWP as required.

WSRC Radiological Control Operations (RCO) and Industrial Hygiene (IH) will perform monitoring during closure operations in accordance with SRS procedures.

All personnel working within the closure area shall submit to SRS Invivo/Invitro bioassay and dosimetry and provide documentation of a physical within the last 12 months to document fitness-for-duty.

Site workers shall have had the appropriate training:

1) All personnel brought on site:

- SRS General Employee Training (8 hour)
- SRS Hazard Communications Standards (2.5 hours)

2) Personnel working within the closure area may be required to have the following training, depending on the actual work to be performed:

- SRS Radiation Worker II Training with Facility Specific Practical Training (32 hours)
- SRS General Respiratory Training (1 hour)
- SRS Negative Pressure Respiratory Training (3 hours)
- SRS Plastic Hood and Plastic Suit Training (3 hours)
- SRS Emergency Respirator Use Training (3 hours)
- Forklift Training (12 hours)
- RCRA Training (4 hours)
- Hazardous Materials Transportation Training (8 hours)
- Documentation of completion of an off site 40 hour OSHA Hazardous Waste Operator and Emergency Response (HazWOPER) class and a minimum of 3 days field experience taught by supervisors who are trained and experienced in hazardous waste operations.
- Appropriate Manager/Supervisor 8 hour OSHA training for all supervisors

Personnel must re-qualify for all training as required by site procedures.

3.2 Tank Decontamination

The interior of Tanks S23 through S30 will be tripled rinse with a solution of water and a non hazardous cleaned using an industrial-grade rotary cleaner. This will allow maximum cleaning efficiency without damaging the tank integrity by cutting access openings in the tank walls. A final fresh water rinse will also be conducted. The rinsing activities will be followed by placement of grout in the tanks.

The following sections describe the activities that will be conducted for the interim closure of S23 through S28. The physical methods of rinsing S29 and S30 may vary from the contract requirements for rinsing S23 through S28, but S29 and S30 will , at a minimum, be triple rinsed and grouted to the same specifications as S23 through S28. Technical details for the interim closure of S29 and S30 will be provided after the contract to rinse and grout these tanks has been awarded.

3.2.1 Render Interior Atmosphere Inert

Prior to beginning closure activities the concentrations of flammable gases will be measured. If the concentration exceeds 10% of the LEL for the flammable gases, the interior of the tanks will be rendered inert by purging the tanks . The outflow from the purged tanks will be HEPA filtered.

3.2.2 Set Up For Remote Cleaning

Containment huts or glove boxes will be used for contamination control during the remote cleaning of each tank. The remote cleaning head will be lowered through the 6-inch diameter riser and secured to the riser flange. A stainless steel pipe will be inserted into the tank's lowside 4-inch diameter riser for discharge of the rinsate.

3.2.3 Remote Tank Cleaning

The first phase of tank cleaning will consist of washing the tank using a GAMAJET rotary machine installed into the existing 6-inch riser. GAMAJET rotary machines are commercially-available, industrial-grade units used to clean all types and sizes of industrial process, storage, and transport tanks using precision jet impact force and liquid volume to effectively scrub, wash, and rinse internal tank surfaces automatically.

The GAMAJET is powered hydraulically by the rinsing solution. Complete 360 degree rotation in both the horizontal and vertical planes ensures full tank cleaning coverage. To achieve adequate cleaning of the solvent tanks, the GAMAJET will be suspended to the tank center by a supply pipe which will carry the cleaning fluid. A cleaning force of up to 30 lbs/sq. ft. will be generated and a tank cleaning cycle time of 30 minutes per rinse will be achieved.

For initial cleaning, a closed volume of 3,300 gallons of a solution of water and a non hazardous cleaner will be used. This 3,300 gallons of rinsate will be recycled through a series filtering arrangement consisting of a bag filter for particulate removal and a two unit exchange medium of carbon and ion exchange resin. Through the use of the mechanical filter and exchanger beds to remove solubles, including radionuclides and metals, this volume of water can be used effectively to wash all six tanks. Through the process of tank washing, residual sludge and waste will become flowable and be removed with the suction pump used to remove rinsate. All sludge and rinsate will be transferred to S29 or S30. A washing of each tank will consist of three wash cycles from the center of each tank. Drainage from this operation will be into the tank and removed using the pump for the tank.

3.2.4 Final Rinse

Following the remote tank cleaning phase, the next process step will consist of a final rinse using the GAMAJET, fresh 200-gallon water supply, and removal pump. The GAMAJET will be mounted to the center cleaning access and operated at reduced pressure and flow rate than previously used.

3.2.5 Transfer and Storage of Rinse Solution

Rinsate will be removed from the tank via a pump taking suction on the stainless steel drain pipe which is inserted and sealed to the 4-inch riser closest to the tank sump to take maximum advantage of the tank slope. All rinsate generated from the cleaning of S23 through S28 will be transferred to tanks S29 and S30.

3.2.6 Storage and Disposal of Filters and Resin

The resin will be dewatered and a TCLP performed following completion to allow handling as low-level radioactive waste, mixed waste, or TRU waste as required by waste classification. The contents of the bag filters will be emptied into a 55 gallon drum and the slurry pumped using diaphragm pump and hoses to tanks S29 or S30. The filters will be evaluated for appropriate management and disposal.

3.3 INERT FILLING OF TANKS AND RISERS

After completion of the tank cleaning and decontamination, each tank will be filled with Low Strength Grout (150 psi). The sealing of all tank openings will occur in parallel with inert fill activities. The grout will be allowed to cure for two weeks. The minimum 56 day comprehensive strength of the grout is 150 psi. After the cure period the risers will be capped with metal caps and Belzona Super Metal.

3.3.1 Technical Justification of Inert Fill Material

Controlled, low strength material (CLMS) also known as "flowable fill" or "grout" will be used to fill the tanks after cleaning operations. The following criteria were considered by SRS for the grout fill formulation:

1) Maximum temperature rise due to hydration reactions should not exceed 50 degrees C.
2) Minimum 56 day compressive strength of 150 psi.
3) Set time between 4 hours and one week.
4) Must be pumpable and flowable.

A grout formulation consisting of cement, flyash, sand, and water will meet these proposed criteria. The in-place density of this material would be

approximately 135 lbs/cubic ft. (SG 2.16). This weight will be more than adequate to prevent flotation. The material can be easily transported to the site and pumped into place. The flyash adds to the flowability of the material. According to the National Ready-Mix Concrete Association, the material has flow characteristics similar to that of cement slurry. Grout does not require tamping or vibration to ensure adequate placement and is liquid enough to prevent mounding or void. By pumping the grout into place, minimal voids should be left in a filled tank. The chemistry of the grout is such that there will be minimal reactivity with the tank walls. Grout is essentially a non-leaching material. Also the grout has minimal potential for allowing migration of groundwater through the tank, and thereby, should aid in resisting the leaching of any residual hazardous or radioactive constituents inside the tank or on its interior wall.

3.3.2 Justification of Fill Material to Support LLRWDF Cap

The compressive strength capabilities of the grout mix has also been evaluated. This evaluation was included to present information which might be a factor during installation of the proposed LLRWDF cap. An eight foot (8) thick cap is being considered for installation over the solvent storage tanks. The estimated stress on each of the tanks caused by the LLRWDF cap is 1000 pounds per square foot or 7 psi versus the 150 psi strength of the grout. As a result, the strength of the grout filled tanks will be more than adequate to support the weight of the cap. Additionally, if the tops of the tanks were to rust through, the grout would prevent cave-in of the cap.

3.3.3 Sealing All Tank Openings

Sealing of all tank openings will be completed in parallel with the inert fill activities. BELZONA Super Metal will be used to adhere the caps to the tank openings. BELZONA is a two-component paste-grade system based on a silicon steel alloy blended with high molecular weight reactive polymers and oligomers. When cured, the material is durable with typical tensile shear

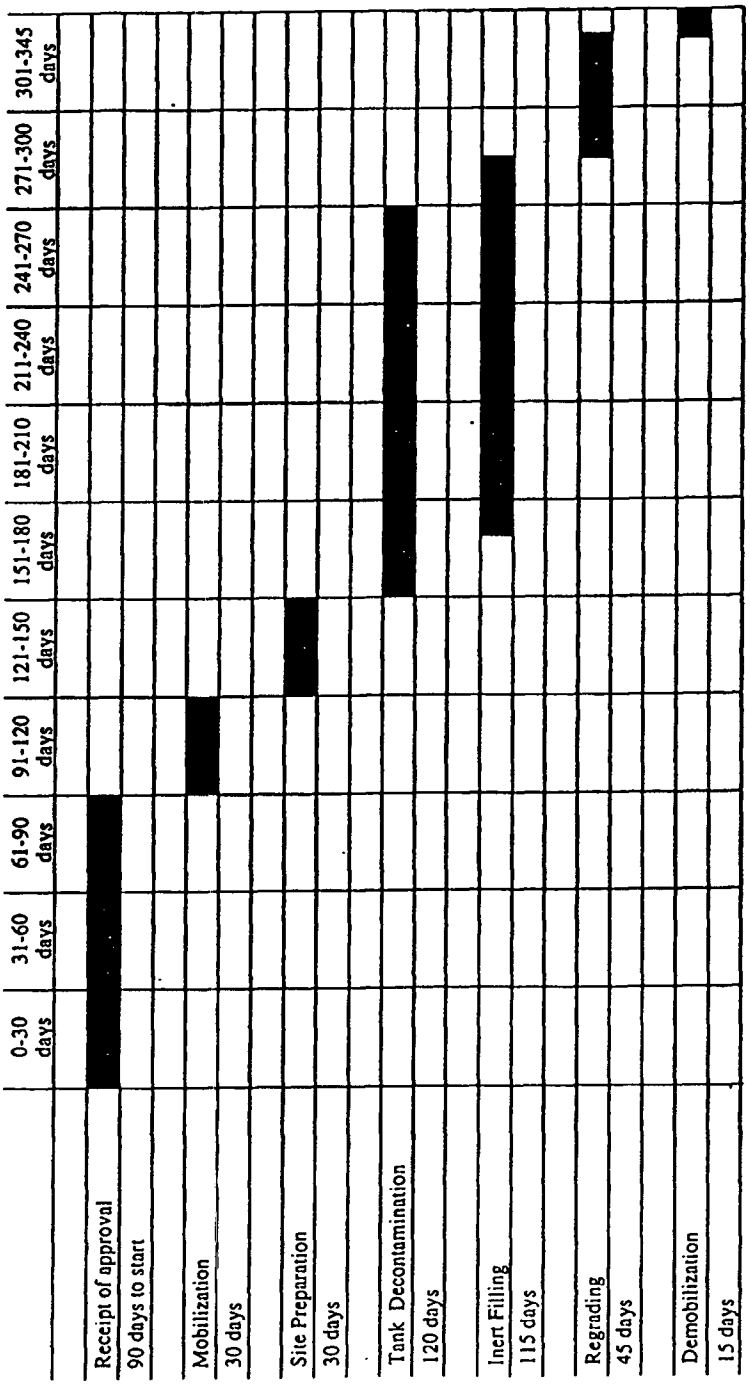
adhesion of 2,700 psi. Each of the risers will be oversized capped and sealed. Each application will be visually inspected by a Quality Assurance Inspector.

3.4 Schedule

Interim Closure of tanks S23 through S28 will commence within 90 days after receipt of approval of this Interim Closure Plan, but not before December 1, 1994. Interim Closure of S23 through S28 will be completed within 345 days. A schedule for the Interim Closure of tanks S29 and S30 will be finalized and submitted to SCDHEC after the dates for Part A approval and construction of the replacement tanks are known. Figure 4 identifies the milestone activities and their respective anticipated duration. The schedule is based on past experiences which do not include the closure of multiple tanks containing mixed waste. Unanticipated precautions and requirements may arise and may preclude completing an activity within the estimated time frames. To the extent that activities can take place concurrently, total closure time may be reduced.

Figure 4

Preliminary Schedule for Interim Closure of Solvent Tanks S23 and S30
S23 through S28 in 1994 - 1995
S29 and S30 in 1996 - 1997



Note: Intermediate dates are for planning and schedule purposes only. Some overlapping of closure activities will occur when feasible to do so.

4.0 EQUIPMENT DECONTAMINATION

The equipment used to implement this tank closure will be inspected by Radiological Control Operations (RCO) for the presence of radioactive contamination. These items may include pumps, transfer hoses, augers, etc. An appropriate detergent, as necessary, will be used to clean all equipment identified by RCO as requiring such action. The cleaning solution will be collected and analyzed for TCLP constituents of concern and radioactive contamination. Equipment will be considered clean when rinsate is below TCLP limits and radiation levels are acceptable by WSRC RCO Department. Equipment that cannot be decontaminated will be managed as radioactive waste, hazardous waste, or mixed waste, as appropriate. Hazardous and mixed waste will be sent to an appropriate RCRA permitted hazardous or mixed waste treatment, storage or disposal facility; radioactive waste will go to the Burial Ground Complex, and any excess clean soil will be used in regrading the tank area.

5.0 EROSION AND SEDIMENTATION CONTROL PLAN

An Erosion and Sediment Control Plan (Appendix 2) has been completed for the Closure of Solvent Tanks S23 through S28 as required by the South Carolina Land Resources Commission. This plan provides for the regrade of the ground surface to enhance drainage. The Erosion and Sediment Control Plan will be implemented following completion of sealing the tank closures. A separate Erosion and Sediment Control Plan will also be developed for the Interim Closure of S29 and S30.

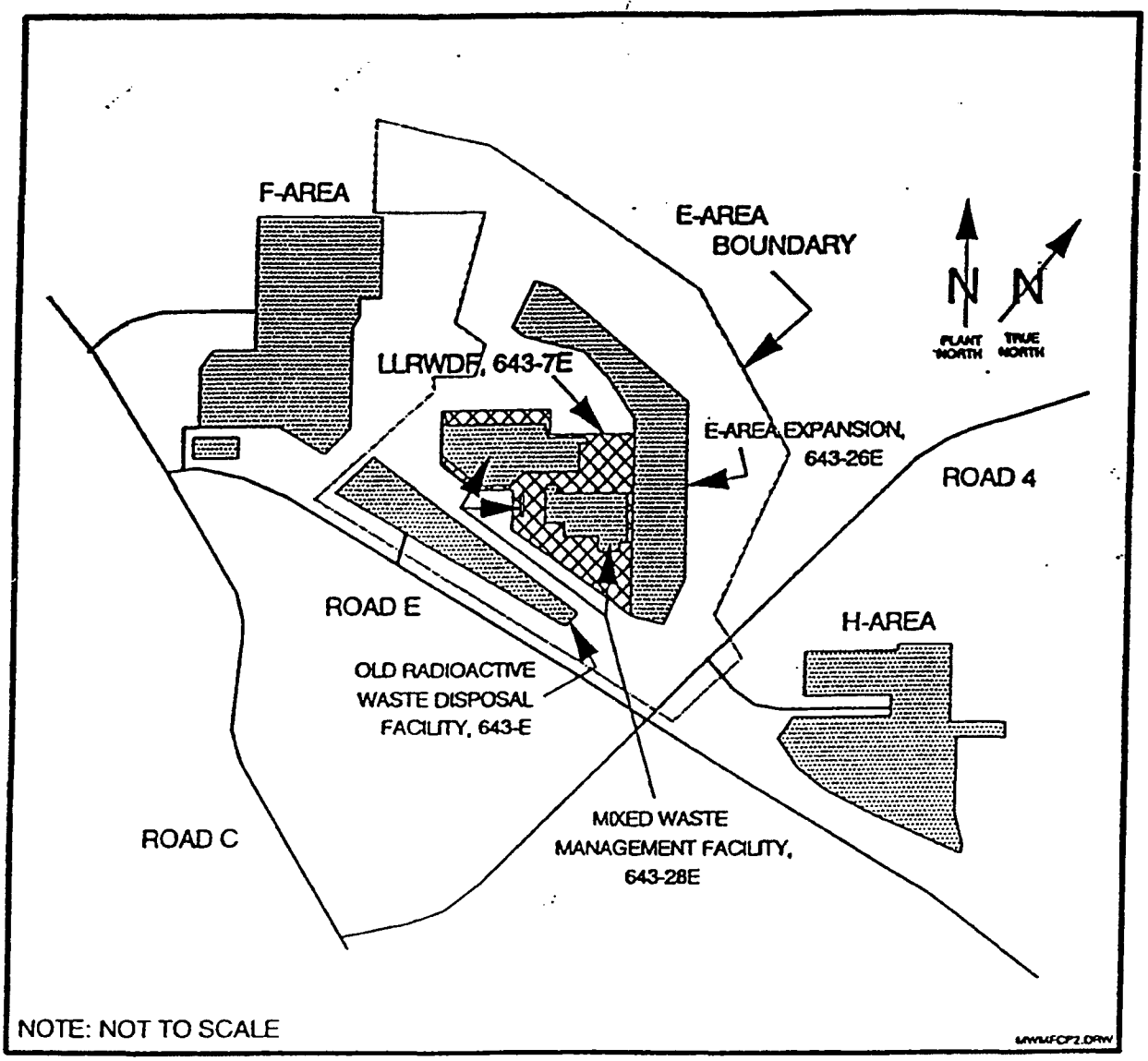
6.0 MAINTENANCE OF CLOSURE PLAN

A copy of the SCDHEC approved Interim Closure Plan of S23 through S30 will be kept at Building 724-7E until closure is completed.

7.0 THE LLRWDF CLOSURE

The area where the Solvent Storage Tanks are located is included in the LLRWDF portion of the Burial Ground Complex. The LLRWDF Closure consists of non-contiguous Engineered Low Level Trenches (ELLTs), and Trench Areas. LLRWDF is the area (643-7E) depicted in Figure 5. The requirements under RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE are the basis for the LLRWDF closure. The LLRWDF Closure Plan was submitted to SCDHEC in August 1993. This closure plan will be amended to include solvent tanks S23 through S32, with the exception of S31 which was never used and has been excavated.

Figure 5: LLRWDF Location Map at E Area



DIVIDER PAGE

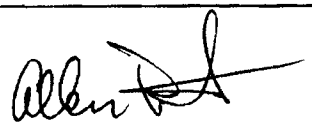
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C078
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution	
Source Document Reference Information (author(s), document and revision number, date, publisher): C. W. Beaumier, SWE-SWE-95-0172, Rev. NA, 05/17/1995	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, PR5, PR7, WS2, WS8, WS9, WS11, WS12, S7, S9	Throughout	This document is a correspondence from C.W. Beaumier to J. C. Kinney providing responses to the five outstanding concerns which were the major points of discussion during a May 4, 1995 meeting with the Waste Certification Assessment (WCA) Team. The responses are submitted on form SWM-WCA-95-02 that includes spaces for Line-of-inquiry, Concern to Be Evaluated, and the Generator Response. Also included is a reference to the Solvent Tanks Waste Analysis Plan which states that Solvent Storage Tanks S29 and S30 are used to store tributyl phosphate (TBP) and n-paraffin from the Separations PUREX process, and solvents from Savannah River Laboratory and 772-F Laboratories. Some Toxicity Characteristic Leaching Procedure (TCLP) metals and organics are also present. These solvents are not RCRA listed hazardous wastes. Tanks 23 through 28 have been declared unfit for use by South Carolina Hazardous Waste Management Regulations (SCDHEC) and are not receiving any new waste (page 9). An attachment titled Solvent Storage Tanks Chemical Analysis starts on page 14. This attachment includes results of chemical analyses for the Solvent Storage Tanks on Table 1 (page 15). Table 2 on page 16 lists radioactive constituents identified in tanks S23-S30. A memo from D.G. Salem to J.V. Odum begins on page 18 and was written to address whether or not to apply the RCRA F listing for benzene, MEK, TCE and PCE. The conclusion of this was since the origination, use, before-use concentrations, or when they were used was not known, the waste should be classified as characteristically hazardous waste based on TCLP results. The remainder of this document includes: A memo listing other pure chemicals on the P and U list and their potential for being sent to the high level waste (page 21), list of chemicals in 772-F which are on the EPA list (page 24,25), and a memo with the subject being "The Fate of Listed Chemical Wastes in the 211-F Evaporator" (page 29).

CCP RECORDS ORIGINAL
DATE REC'D 11-19-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C078
Source Document Data Limitations (if any): 1. Best available copy	
Acceptable Knowlege Expert: Allen Dickerson /  Date: 09/15/2012 11 and 11/16/12 Print /Sign	

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Westinghouse Savannah River Company

INTER-OFFICE MEMORANDUM

May 17, 1995

SWE-SWE-95-0172

SWM-WCA-95-02

To: J. C. Kinney, 704-196N

From: C. W. Beaumier, 724-9E

BEST AVAILABLE COPY FOR ENTIRE DOCUMENT

Waste Certification for Solvent Tanks Closure Operations
Solvent Tanks Closure Operations Concerns Resolution

REF: 1. J. C. Kinney to L.T. Reid, "Waste Certification Assessment for Solvent Storage Tanks Closure (U)", SWE-WCA-95-0173, SWM-WCA-95-95-02, April 5, 1995.

2. L. T. Reid to J. C. Kinney, "RE: Waste Certification Assessment for Solvent Storage Tanks Closure (U)", SWE-SWE-95-0148, April 21, 1995.

Attached please find the five outstanding "Concerns" which were the major points of discussion during our May 4 meeting with the Waste Certification Assessment (WCA) Team. Checklist item numbers OS.1.A.2, OS.1.C.4, OS.1.C.6, PS.1.A.5 and QA.3.B.1 are provided for your team's review. The generator response sections for each of the "Concerns" identified above has been revised, based on the meeting discussions.

Checklist item number CH.1.E.1, the listed waste concern, has been addressed by the Environmental Protection Department in the memorandum from J. V. Odum to D. G. Salem, "Solvent Tanks Waste Characterization - SWE-REC-95-0085 (U)", ESH-FSS-95-0256, issued May 3, 1995. Copies of the referenced EPD memorandum and the revised generator response are provided as an attachment.

The remaining "Concerns" associated with procedure approval have been delayed beyond the originally scheduled completion date of May 8, 1995 (REF 2.). Procedure approval is anticipated during the week of May 15. SWE will attempt to expedite training, however at a minimum one week delay in the procedure implementation schedule is anticipated. Procedure implementation is anticipated during the week of May 22. If any additional delays are encountered which impact procedure implementation, formal notification will be provided.

If you have any questions or comments please contact C. W. Beaumier at 2-4175.

cc:

M. B. Hughes, 705-3C
R. A. Holler, 705-3C
W. T. Goldston, 705-3C
L. T. Reid, 724-9E
G. W. Faulk, 705-3C
A. T. Nasol, 705-3C
S. R. Reed, 742-7G
L. Froidl, 724-7E
G. W. Faulk, 705-3C

1 of 30

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
OS.1.C.4

Functional Area
ORGANIZATION & SCOPE

Item Category
Concern

Line-of-Inquiry

Verify through document review, personnel interview, and facility walkdown that the functional relationship between RC&HP and the waste management organization are defined and understood.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

The generator does not have a documented organizational structure that reflects both the functional responsibilities and the organizational interfaces between key personnel and the subcontractors that generate, process, handle, verify, certify, and ship waste.

Generator Response

Interface requirements between WSRC and subcontractors are defined by the site wide Subcontractor Technical Representative (STR) program. This program defines the responsibilities and interface requirements for an STR. In addition an organization chart which described the pertinent interfaces between WSRC's and RUST's personnel is provided as an attachment to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

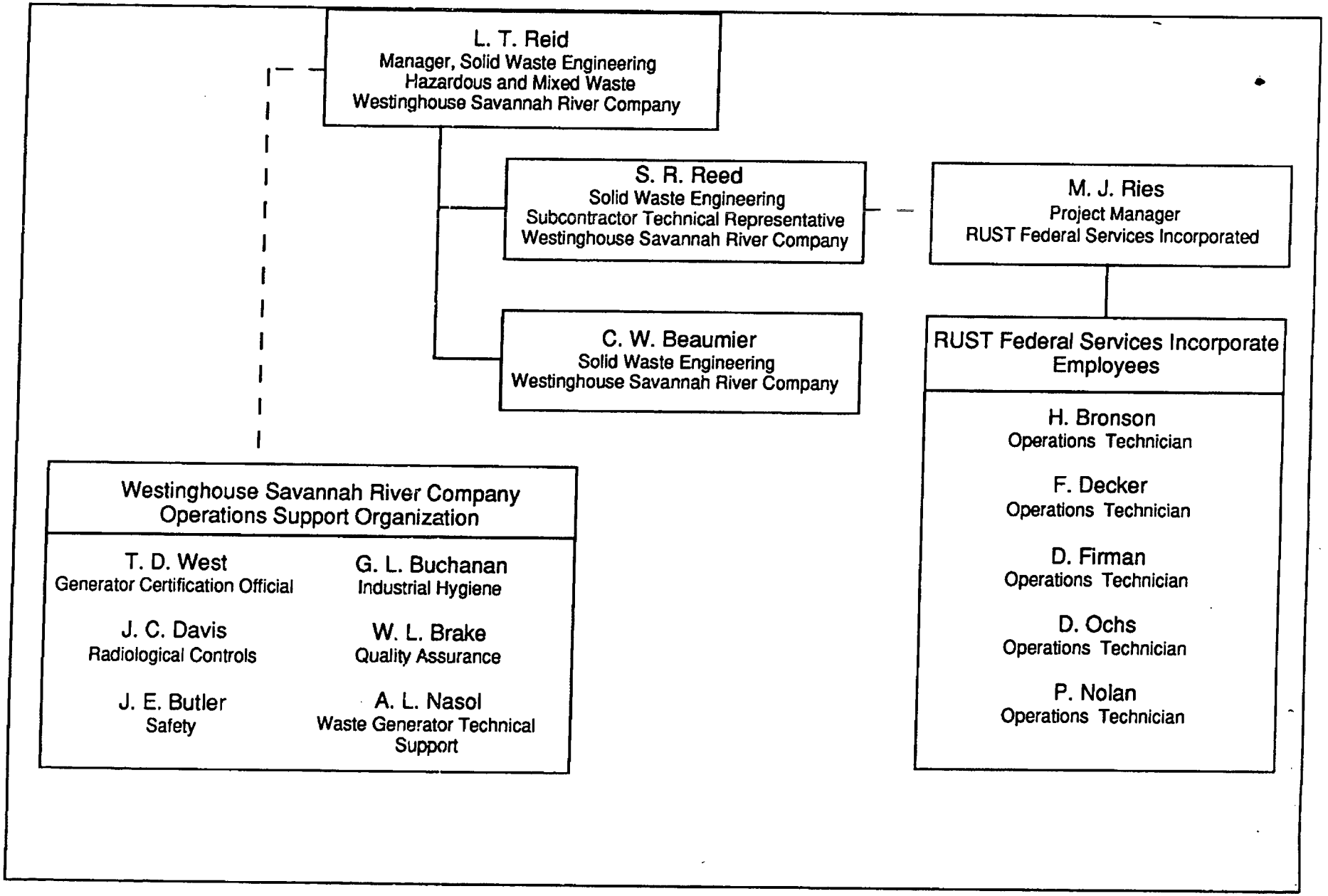
Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

2

Solvent Storage Tanks Closure Operations Organization Chart



SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. OS.1.A.2

Functional Area ORGANIZATION & SCOPE

Item Category Concern

Line-of-Inquiry

Verify through document review that the generator has defined the organizational structure, functional responsibilities, major tasks, level of authority, identification of interfaces between organizations, and lines of communications for those individuals and groups which generate, process, handle, verify, certify, and ship waste.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

The generator does not have a documented organizational structure that reflects both functional responsibilities and the organizational interfaces that generate, process, handle, verify, certify, and ship waste.

Generator Response

The organization structure including the responsibilities of the various organizations within the Solid Waste Management Department are provided in the SW18 Manual, procedure SW-QI-1011. An organization chart is also provided in this procedure. In addition an organization chart which described the pertinent interfaces between WSRC's and RUST's personnel is provided as an attachment to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date _____

Generator's Signature: _____

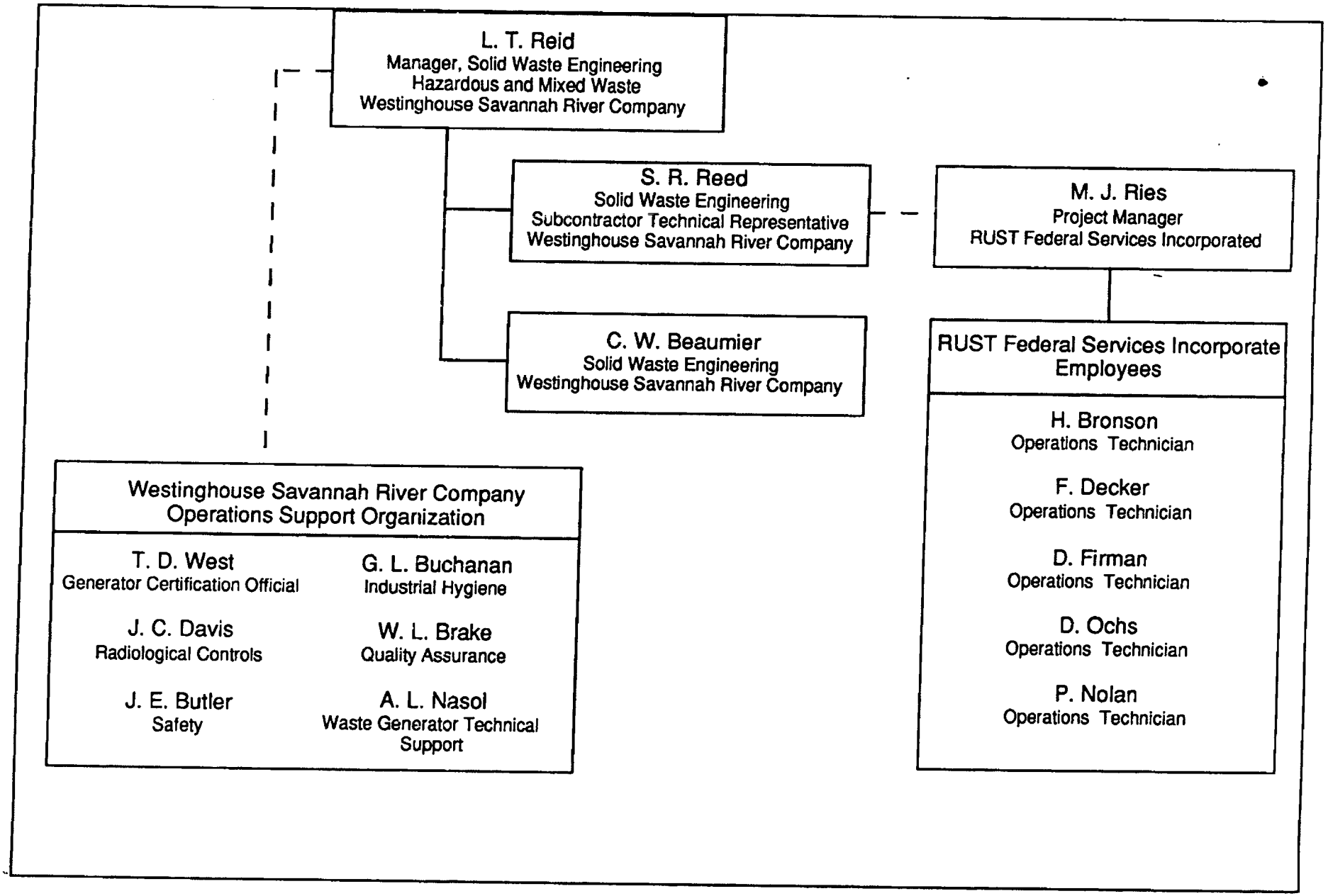
Closure Date _____

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date _____

Solvent Storage Tanks Closure Operations
Organization Chart



SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
OS.1.C.6

Functional Area
ORGANIZATION & SCOPE

Item Category
Concern

Line-of-Inquiry

Verify through document review and personnel interview that the generator has identified and understands the requirements for seeking approval from SWMD.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95

Solvent Storage Tanks S23 - S28; Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual was inappropriately processed prior to obtaining the approval of the Manager of Waste Certification Assessments.

Generator Response

The Request/Approval for Deviation to SRS Waste Acceptance Manual was inadvertently processed. Efforts will be made to ensure that waste is characterized, manifested and shipped in accordance with the requirements found in the 1S Manual.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

6

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. PS.1.A.5

Functional Area PACKAGING & SHIPPING DOCUMENTATION

Item Category Concern

Line-of-Inquiry

Verify, through document review, that the waste generator ensures that all required forms are filled out properly for every waste package.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/31/95

643-SC-1001, step 4.1.6, need WITS manifest, delete OSR 29-47, delete OSR 29-43 requirements. Need LLW characterization form; GCO must approve.

Step 4.2.6, GCO must approve OSR 29-47 and OSR 29-15. Step 4.2.6.2 should state "Attach copy of analytical results...."

Generator Response

The 643-SC-1001 procedure has been modified to incorporate the comments provided above.

Please note that WAC 3.10 specifically requires OSR 29-43 be completed. This requirement is no longer accurate based on your comment and a conversation with Solid Waste Engineering, Low Level Waste. A change request was submitted on May 5, 1995 to correct the WAC 3.10 requirement.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date _____

Generator's Signature: _____

Closure Date _____

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date _____

7

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No. SWMD-RFD-95016

Checklist Reference No. QA.3.B.1

Functional Area QUALITY ASSURANCE

Item Category Concern

Line-of-Inquiry

Verify through document review that QA records generated as a result of waste certification are listed in the records section of the generator's waste certification plan.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:**

CONCERN

Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual, Document No. SWMD-RFD-95016, WSRC IOM from J. D. Sharpe to M. B. Hughes SWE-SWE-95-0226, dated March 10, 1995 states under 'Quality Assurance Activities' that SWM has implemented the WSRC 1Q requirements through SW-18 manual for SW facilities. 1Q QAPs are applicable where SW-18 manual does not have any procedure. The deviation request, characterization plan, and the procedures did NOT identify the required records. Revise the applicable documents to comply with this requirement.

Verify implementation of this requirement by interviewing GCO, SWE, CQF, and the waste generators.

Generator Response

The actual items of concern, as discussed during the May 4 meeting, are references 7 and 8 in the "Characterization Plan for Low Level Waste Generated from Closure of Solvent Tanks S23 Through S28", Revision 1, WSRC-TR-95-0055, March 23, 1995.

Reference 7 is the Example Radioisotopic Characterization Plans for Low-Level Waste. This is a manual compiled by the Waste Generator Technical Support (WGTS) group and distributed to the Generator Certification Official. The manual provides multiple examples of approved waste characterization plans. A copy of this manual is not provided.

Reference 8 is the Solvent Tanks Waste Analysis Plan. Development, periodic revisions and access to this document within the operating facility are requirements of the South Carolina Hazardous Waste Management Regulations (SCHWMR). A copy of this document is attached to this Line-of-Inquiry.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Forecast Closure Date

Generator's Signature: _____

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

8

WASTE ANALYSIS PLAN

[Ref. R.61-79.265.13]

The Waste Analysis Plan was developed in accordance with SCDHEC Regulations R.61-79.265.13. A copy of this plan will be available at Building 724-7E until closure.

Solvent Storage Tanks S29 and S30 are used to store Tributyl Phosphate (TBP) and n-Paraffin from the Separations PUREX process, and solvents from Savannah River Laboratory and 772-F Laboratories. Some TCLP metals and organics are also present. These solvents are not RCRA listed hazardous wastes. Tanks 23 through 28 have been declared unfit for use by SCDHEC and are not receiving any new waste. A revised closure plan for tanks 23-30 will be submitted by July 1, 1994 as required. This plan will include a separate schedule for the closure of tanks 29 & 30 as they will be closed after tanks 23-28.

PARAMETERS AND RATIONALE

[Ref. 265.13(b)(1)]

The solvent waste contained in the tanks possesses gross alpha on the order of 10^5 disintegrations per minute per milliliter (dpm/ml), and an order of 10^6 dpm/ml Beta-Gamma, as determined by isotopic analysis in 1991. The radioactive portion of the waste stored in the tanks goes through a

natural isotopic degradation. This natural degradation effects the chemical composition of the waste. The contents of tanks S23-S26, S28, and S30, prior to consolidation, were analyzed for TC metals and volatile and semivolatile-organics. Tanks S27 and S29 were sampled but their analyses were not able to be completed. Since the tank contents were generated by the same waste stream they are considered hazardous for the same constituents as the other tanks. The waste in tanks S29 & S30 will be sampled and analyzed after consolidation.

SAMPLING METHOD AND FREQUENCY

[Ref. 265.13(b)(3)(4)]

Tanks S23 through S28 have been declared unfit for use and, as such, a closure plan is being submitted. Thus, they are no longer accepting waste solvent and no additional waste sampling is necessary. In addition, tanks S29 and S30 will not be receiving any new waste and therefore will not require additional sampling. The method utilized to obtain previous tank samples is described below.

A current sampling method employed by the canyons involves circulating the canyon storage tanks until the contents are homogenous. A sample is pulled from the homogeneous contents of the tanks and sent for analysis. Storage tanks S23-S30, unlike the canyons, do not have circulation or remote

sampling capability. Thus, each tanks contents may separate into two layers during storage. If the separation does occur the top layer may be sampled using a dip sampler and the bottom layer may be sampled using a bacon bomb sampler (or equivalent). There must be at least 6 inches of waste in the storage tanks in order for the bacon bomb sampler to be efficient. If there is less than 6 inches in the tank or only one layer, dip samples may be taken.

TEST METHODS

[Ref. 265.13(b)(2)]

Each sample was analyzed by a qualified laboratory to determine the pH and the concentrations of TC metals, volatiles, and semivolatiles of the waste using EPA-accepted equivalent methods to the analytical procedures specified in SW-846, "Test Methods for Evaluation Solid Wastes." Inductively coupled plasma optical emission spectroscopy (ICP/OES) was used to determine the concentration of the TC metals. The preparatory method used in ICP/OES is similar to procedure 3010 in SW-846. The actual analysis used in ICP/OES is similar to procedure 6010 in SW-846. The concentrations of TC volatiles and semivolatiles was determined with the use of purge and trap gas chromatography with flame ionization detection. This method is patterned after the procedures 5030 and 8000 in SW-846.

GENERATOR RESPONSIBILITIES

[Ref. 265.13(b)]

Solid Waste Management is no longer accepting waste into any of these tanks. Tanks S23-S28 have been declared unfit for use and are being closed. Tanks S29 and S30 will be closed after the waste in the tanks has been transferred out of the tanks.

INCOMPATIBILITY

[Ref. 265.13(b)(6), 265.200]

Solid Waste Management is no longer accepting waste into any of these tanks. Tanks S23-S28 have been declared unfit for use and are being closed. Tanks S29 and S30 will be closed after the waste in the tanks has been transferred out of the tanks.

SURFACE IMPOUNDMENTS

[265.13(b)(7)]

Tanks S23-S30 are not surface impoundments exempted from land disposal restrictions under 268.4(a). Therefore, the requirements listed under 265.13(b)(7) are not applicable.

ATTACHMENT

SOLVENT STORAGE TANKS CHEMICAL ANALYSES

Table 1 of this attachment shows the results of chemical analyses for the Solvent Storage Tanks. The tanks were listed on the RCRA Part A permit in September 1990 after promulgation of the new Toxicity Characteristic rule. Process knowledge was used to list the tanks based on the potential that traces of benzene and methyl ethyl ketone may be present.

All tanks storing waste were sampled. (Tanks S24 and S25 are empty.) Samples results have been received for all but two tanks, S27 and S29. Samples have been taken for those two tanks, but the analyses could not be completed. Process knowledge will continue to be used that tanks S27 and S29 are hazardous. This is based on the results of the other tanks since the wastes are similar. In addition, the waste, which is being consolidated in tanks S29 and S30 will be sampled and analyzed when consolidation is completed. Although the waste is being consolidated, the waste codes associated with the metals, D002 for corrosiveness, and the other organics, will be carried with the consolidated waste, regardless of concentration.

TABLE 1
REPORTED CHEMICAL ANALYSES

Tank	Analy No. (ORNL)	Approximate Volume (Gallons)	MEK (ppb) (SRL)	Benzene (PPB) (SRL)	TCE (ppb) (SRL)	PCE (ppb) (SRL)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23 Top (organic)	920330-075	824	<500	<50	650	475	<0.002	<0.002	<0.002	0.021+/-0.005	<0.004	0.548+/-0.027	0.44+/-0.048	<0.094
Tank S-23 Bot (aqueous)	920330-076	3343	9696	34	77	50	1.26+/-0.02	119+/-0.025	<0.002	2.29+/-0.01	0.042+/-0.004	0.21+/-0.006	2.8+/-0.13	1.32+/-0.32
Tank S-26 Top (organic)	920204-137	90	3445	<5	<5	<5	0.055+/-.04	<0.008	<.009	1.11+/-0.01	<0.004	<0.005	<0.038	<0.094
Tank S-26 Bot (aqueous)	920204-138	197	2564	<5	<5	<5	2.48+/-0.15	<0.008	<0.009	4.32+/-0.05	0.128+/-.015	0.492+/-.015	5.88+/-0.8	2.3+/-3.80
Tank S-28 Top (organic)	920204-139	15	9282	7	<5	<5	0.72+/-0.065	<0.008	<0.009	3.3+/-0.015	0.102+/-0.05	0.248+/-0.025	1.37+/-1.87	2.75+/-2.75
Tank S-28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	<0.008	<0.009	9.67+/-0.09	0.842+/-0.025	3.13+/-0.015	24.18+/-.385	24.39+/-1.09
Tank S-30 Top (organic)	920330-077	240	<100	<5	<5	<5	<0.002	<0.002	<0.002	0.042+/-0.007	<0.004	0.703+/-0.019	0.428+/-.059	<.094
Tank S-30 Bot (aqueous)	920330.076	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0.017	0.109+/-0.01	0.134+/-.061	<0.094

WEIGHTED AVERAGE

Tank	Analy No. (ORNL)	Approximate Volume (Gallons)	MEK (ppb) (SRL)	Benzene (PPB) (SRL)	TCE (ppb) (SRL)	PCE (ppb) (SRL)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Se (ppm) (ORNL)	Ba (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23	----	4167	7878	37	190	134	1.043	0.118	<.002	1.65	0.038	0.287	2.447	1.334
Tank S-26		287	2840	<5	<5	<5	1.621	<0.008	<0.009	3.351	0.099	0.35	3.46	4.22
Tank S-28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	6.325	<0.008	<0.009	6.523	0.497	1.68	13.36	15.15
Tank S-30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.026	0.041	0.079	0.09	0.025	0.43	0.348	0.094

Tanks 24 and 25 are empty.

TABLE 2
Radioactive Constituents Identified in Solvent Tanks S23 – S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 – 5.57E-04 Cs137 – 4.47E-02 Eu154 – 5.82E-04 Am241 – 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 – 5.72E-04 Cs137 – 4.47E-02 Eu154 – 3.27E-04 Am241 – 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 – 6.53E-03 Cs137 – 2.36E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 – 6.57E-03 Cs137 – 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 – 2.51E-04 Eu154 – 3.68E-03 Eu155 – 5.96E-04	<1%Pu239 30.6%Pu238 4.5%Am241 63.7%Cm244	9.7E-01	1.1E-01	7.8E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 – 2.59E-04 Eu154 – 3.57E-03 Eu155 – 5.58E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 – 1.86E-04 Eu154 – 3.88E-03 Eu155 – 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 – 4.29E-03 Eu155 – 6.69E-04	<1%Pu239 40.6%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.8E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 – 3.04E-04 Sb125 – 3.07E-03 Cs137 – 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 – 1.36E-04 Sb125 – 2.99E-03 Cs137 – 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 – 1.80E-03 Ca137 – 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 – 1.76E-03 Cs137 – 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 – 2.16E-04 Sb125 – 1.17E-03 Cs137 – 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 – 7.30E-04 in top layer Co60 – 2.27E-04 Cs137 – 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

SOLVENT STORAGE TANKS S23-S28 CLOSURE
SWM-WCA-95-02
ASSESSMENT REPORTING SHEET

OSR 29-41 Document No.
SWMD-RFD-95016

Checklist Reference No.
CH.1.E.1

Functional Area
CHARACTERIZATION

Item Category
Concern

Line-of-Inquiry
Verify through reviews of analytical information, process information and laboratory results, that the generator's waste streams have been adequately characterized.

Concern/To Be Evaluated Transmitted to: L. T. REID **Date:** 03/30/95
The justification for classifying tricholorethylene as D040 instead of F001, F002 or some other hazardous waste code is not adequately documented in the solvent tank waste certification documents.

Generator Response
Justification for classifying the solvent waste as D040 and not as an F-Listed solvent is provided in the attached memorandum from the Environmental Protection Department (J. V, Odum to D. G. Salem, "Solvent Tanks Waste Characterization - SWE-REC-95-0085 (U), May 3, 1995, ESH-FSS-95-0256). No additional action is required.

Response Accepted ☐ YES ☐ NO

WCA Reviewer Signature: _____

Generator's Signature: _____

Forecast Closure Date

Closure Date

Implementation Accepted ☐ YES ☐ NO

WCA Verifier Signature: _____

Verification Date

OSR 3-4A-W (Rev 1-89)

WESTINGHOUSE SAVANNAH RIVER COMPANY

INTER-OFFICE MEMORANDUM

ESH-FSS-95-0256

May 3, 1995

TO: D. G. SALEM, 724-9E

FROM: J. V. ODUM, 742-A

SOLVENT TANKS WASTE CHARACTERIZATION - SWE-REC-95-0085 (U)

Appendix VIII of Part 261 in both the State and Federal hazardous waste regulations is a listing of chemicals that EPA has designated as "hazardous constituents". The purpose of Appendix VIII is to identify chemicals of concern under RCRA. If a waste contains an Appendix VIII chemical, then the waste may be considered by EPA for listing. However, other factors are considered by the Agency and the presence of a hazardous constituent in a waste is not sufficient cause for the waste to be characterized as an F-listed waste.

SCDHEC has reviewed documents that identified the presence of hazardous constituents in the solvent tanks on at least two occasions. The information was contained in the interim closure plan for the solvent tanks which was approved by SCDHEC. Secondly, SCDHEC reviewed the characterization of the solvent tank waste as a part of the Mixed Waste Inventory Report. In neither event did the classification of the waste as characteristic only raise questions.

Four Appendix VIII constituents of concern were detected in a sample of the tanks containing canyon solvent. These were methyl ethyl ketone (MEK), trichloroethylene (TCE), benzene and tetrachloroethylene(PCE). All four of these chemicals, if used for their solvent properties (degreasing, cleaning, as diluents, extractants and reaction and synthesis media) and, in high enough concentrations, would be F-listed waste when spent. Use of a solvent as a reactant or an ingredient in the formulation of commercial chemical products is not considered use for its solvent properties. Therefore, it is important to know how the chemical was used and its before-use concentration.

You mention that the Savannah River Technology Center and the 772-F laboratories were known to have used organic solvents. The waste from these laboratories is routed to either the General Purpose Evaporators or the Laboratory Waste evaporators for treatment. Both SRTC and 772-F have procedures in place to restrict the disposal of organics to the laboratory drain systems because of obvious safety concerns with the evaporators. However, organics in the laboratory waste could eventually find its way into the degraded canyon solvent collection tanks and then to the burial ground solvent tanks.

How does all of this apply to the situation with the solvent tanks?

Benzene - In your memorandum you refer to a 1984 memorandum from Jack Roberts stating that benzene was found in trace quantities in the canyon solvent. However, that does not cause the canyon solvent to be a listed hazardous waste and, therefore, the presence of benzene in the solvent tanks would not warrant classification of that waste as F-listed.

MEK, TCE and PCE - As stated above, the presence of an Appendix VIII constituent is not a sufficient basis to classify a waste as listed. There are a number of points to consider concerning these chemicals.

- First, you indicate that until 1988 the canyon solvent was burned in the Beta-Gamma Incinerator (BGI). Secondly, you stated that it is not clear when the last shipment of solvent was received from the canyon but that it was in the 1986-87 time frame. The real question is when the waste was generated. This is important because of the change in the listing rules for spent solvents that were effective on January 30, 1986.

- The 2/3/95 memorandum from Cynthia Walker that you attached to your memo states that the waste you have in storage was generated approximately 15 years ago. This places the time of generation prior to 1986.

- Attachment 1 is a 1986 memorandum from L. A. Overman regarding solvent usage in the 772-F laboratories. Neither MEK, TCE or PCE are identified as P or U list chemicals used for reagent preparation in the laboratory. Apparently PCE was purchased in small quantities for a special job. The memo goes on to say that it was stored and was not discarded to the waste tanks. Attachment 2, a similar 1986 letter from D. D. Walker identifies the P or U listed chemicals that may have been sent to the 211-F General Purpose Evaporators from SRTC. None of the chemicals of interest are included.

Based on a review of waste management records, it is not known when waste was last added to the solvent tanks. The memorandum from Cynthia Walker puts the time frame for the waste contained in the tanks as waste generated approximately 15 years ago. Prior to January 30, 1986, a solvent had to be used in its commercially pure form to qualify as an F-listed solvent when spent. A May 1986 memorandum identifies chemicals that may have been sent to the GP or Lab Waste Evaporators. None of the chemicals of interest are on that list. Another May 1986 memorandum identifies those chemicals on the P and U list (MEK, TCE, benzene and PCE are all U list chemicals) used for reagent preparation in 772-F. Again, none of the chemicals of interest are identified.

In summary, we know that the solvent tanks contain some listed constituents. However, we do not know where the chemicals originated, what they were used for, their before-use concentrations, or when they were used. These are all important factors in characterizing a waste as F-listed. The evidence we have from a review of laboratory waste in 1986 suggests that none of these chemicals were sent to the 211-F for evaporation and that they were not used in their pure form at 772-F. In EPD's judgment, classification of the burial ground solvent tank waste as F-listed solely because Appendix VIII constituents were detected in a sample is not warranted and therefore the waste should be classified as characterizally hazardous waste based on TCLP results.

MH:tmj

CC: J. S. Roberts, 742-A
M. Hawkins, 742-A
C. W. Beaumier, 725-9E
L. T. Reid, 724-9E
J. G. Sonneberg, 724-7E
W. T. Goldston, 705-3C
L. C. Martin, 742-A
M. B. Hughes, 705-3C
D. G. Ortz, 705-3C
J. G. Suhm, 742-A
EPD Files, 742-A

INTER-OFFICE MEMORANDUM

Savannah River Plant

May 2, 1986

TO: M. HAWKINS, 703-A

FROM: L. A. OVERMAN

DISCARDED COMMERCIAL CHEMICAL PRODUCTS

Pure chemical usage in 772-F laboratory is limited primarily to reagent preparation. These reagents are prepared by experienced day analysts in a special laboratory module where a number of small containers of commercial chemicals are stored.

Chemicals that are on the P and U list that are normally used in reagent preparation are listed below: (see Attachment 1)

Hydrofluoric acid
Methyl Isobutyl Ketone (Hexone)
Xylene
Acetone
Methyl Alcohol

The normal practice is to use the amount of chemical necessary to make up the analytical reagent, and place the remaining back on the shelf for future use. Spillages that may occur which are not soaked up in absorbent material and sent to solid waste are flushed down the low level drain. Rinsings from empty reagent bottles are also discarded down the low level drain (see Attachments 2, 3).

[illegible] goes to the 18.7 tank where it is analyz[illegible] organic-aqueous ratio. Technical standards require the organic to be less than 0.5% for processing in the 211-F evaporator. Normally, the organic in this tank is less than 0.2% (see Attachment 4, which is a section of the F-Area sample schedule from G. W. Wilds to W. R. Jacobson, dated 3/22/82).

Other pure chemicals on the P and U list (Attachment 1) and their potential for being sent to the high level waste are listed below:

1. Arsenic Trioxide
2. Thallic Oxide
3. Vanadium Pentoxide
4. Lead Acetate
5. Mercury
6. Toluene
7. Methylene Chloride
8. 2-4 Dinitrophenol
9. Cresol
10. Tetrachloroethene
11. Methylchloroform
12. Chromic Acid
13. Potassium Cyanide

Items 1, 2 and 3 are used in the solid form in emission spectrograph standards, and would not be placed in the high activity waste tank.

The remaining items are chemicals that were obtained in small lots for special jobs. They are not now in use, but are being stored. These would not be placed in the high activity waste tanks.

The laboratory waste disposal rules referred to in the attachments are from the Laboratory Safety Manual, DPSOP 81, which was issued in November of 1954.

LAO:jfm/3538a
Atts

CC: W. R. Jacobsen
J. G. Donnan
P. C. Padezanin

LIST OF CHEMICALS IN 772-F WHICH ARE ON EPA LIST

Charlie D. Anderson

May 9, 1986

May 9, 1986
C. D. Anderson
1620A

CHEMICAL LIST 772-F
which are on EPA list

P = EPA acute hazardous waste - 40 CFR, Part 261.33 (e)

U = EPA Toxic waste - 40 CFR, Part 261.33 (f)

40 CFR, Part 261.33 (c) and (d) - EPA hazardous waste and characteristics of hazardous waste covered by this list

Codes
I - Fire (less than 140°)
C - Corrosive
T - Toxic
R - Reactive
(no letter) - Toxic

L-122
Hydrofluoric acid U134

L-123
Vanadium Pentoxide P120
Mercury U151

R-128
Methyl Alcohol U154
Toluene U220
Hydrofluoric acid U-134
Mercury U151
Methylene Chloride U080
Methyl Isobutyl Ketone U161
Lead acetate Merck U144
2, 4-Dinitrophenol P048
Cresols U052
Acetone U-002 (I)
Xylene U-239 (I)

L-130
Methyl alcohol U154

L-131
Tetrachloroethene U209
Hydrofluoric acid U134

L-138
Hydrofluoric acid U134
Methyl Alcohol U154

L-142
Methyl Isobutyl Ketone (Hexone) U161

L-146
Methyl Alcohol

L-147
Methyl Isobutyl Ketone U161
Methyl Alcohol

L-149 HP
Methylchloroform U226

L-163
Mercury U151
4 Methyl 2 Pentanone U161

L-171
Methyl Isobutyl Ketone U161

L-174
Arsenic Trioxide P012
Thallic oxide P113
Vanadium Pentoxide P120
Hydrofluoric acid U134

L-175
Chromic acid - calcium salt U032
Lead acetate U144

These are used in several locations:
NOTE: Xylene (I) U239
Acetone (I) U002
Methyl alcohol (I) U154

ATTACHMENT 2

OFFICIAL USE ONLY

SAFETY PRACTICES
DPSOP - 81
November 1954

II HOUSEKEEPING

4. Waste Disposal

a. Non-Radioactive Materials

1) Discard waste paper, scrap wood and scrap metal in the white step-on-type containers with green lettering. Miscellaneous scraps and paper towels should not be left on the tables or desks.

2) Discard broken glass in gray step-on-type containers.

3) Discard oily waste in white step-on-type containers with black lettering.

4) Small amounts of flammable solvents and chemicals (under 100 ml) in general are to be discarded in the sink, however, it is imperative that such materials be flushed with copious amounts of water. Dispose of larger quantities and all quantities of toxic chemicals or solvents as directed by supervision.

5) Inorganic acids discarded in the sinks are to be poured slowly into a large volume of water to protect the sink drains from the corrosive action of the material.

6) Residual quantities of process samples are frequently returned to the plant for recovery. Such materials are to be collected in unbreakable containers.

7) Extinguish and dispose of cigarettes in ash trays.

8) Flammable packing materials that will not fit in step-on-type waste containers, should be removed from the building immediately.

b. Radioactive Material

Follow the radioactive-material-disposal rules for the area in which you work.

2.3 Handling, contd

9) Carefully rinse any corrosive or flammable liquid containers when empty.

10) Wear leather gloves, safety glasses, and a full face shield to transfer and handle liquid nitrogen.

11) The hazards of peroxide formation require that diethyl ether be handled as follows:

a) Purchase diethyl ether in one-pound metal containers only.

b) Keep supply of diethyl ether in any laboratory to a minimum.

c) Never use diethyl ether if the container was originally opened more than 24 hours previously. Discard any diethyl ether remaining in the container within 24 hours after completing analytical work.

d) Follow instructions as outlined in step 7), section II,4,e, for disposal of diethyl ether.

e) If there is any question concerning the presence of peroxides, test the diethyl ether as outlined in SRP Essential Material Method 2E 10.0, "Ether: Peroxides, Spot Test Method," DPSOP 87.

12) The use of all compounds of xenon is prohibited without permission from the Laboratories Section Superintendent. Certain xenon compounds have unstable and explosive properties; especially those containing the xenon tricxide, XeO_3, group.

TABLE 6 LOW ACTIVITY WASTE & LAB WASTE SYSTEM

DESCRIPTION	TANK, SAMPLE CODE	ANALYSES REQUIRED: CONTINUITY OF OPERATION	ANALYSES REQUIRED: ROUTINE	NORMAL RANGE	UNITS	RECHECK	TECHNICAL STANDARD
LAW continuous evaporator feed	8.7, W-1		O/A	< 0.2	vol %		
	8.7, W-2		Pu (TTA)	$<10^{6}$	d/m/ml		
			U	$<10^{-2}$	g/l		
			Free acid	0.5-1.5	N		
			Density	1.02-1.10	g/ml		
LAW neutralizer	6.8, W-1	Pu (TTA)		$<10^{6}$	d/m/ml		
		U		$<10^{-2}$	g/l		
		Density		1.10-1.30	g/ml		
		Total acid		3-5	N		
	6.8, W-2	pH[j]		>8		<8	Min. 8
	6.8, W-3		Density	1.1-1.3	g/ml		
			OH^-	1-2	M		
Pretreated [illegible] wash solution	13.7, W-1		O/A	<0.2	vol %	0.3	Max. 0.5
LAW acid stripping evaporator feed	7.8, W-1		O/A	<0.2	vol %	>0.3	Max. 0.5
	7.8, W-2		pH[k]				
	7.8, W-3		Pu (TTA)	$<10^{6}$	d/m/ml		
			U	$<10^{-2}$	g/l		
			Density		g/ml		
			Total acid		N		
B-Line column waste	9.7, W-1		Alpha	$<10^{4}$	d/m/ml		
	9.7, W-2		Alpha	$<10^{4}$	d/m/ml		
Lab waste evaporator feed	18.7, W-1	O/A		<0.2	vol %	>0.3	Max. 0.5

ATTACHMENT 2

DON'T SAY IT — WRITE IT

TO: M. Hawkins, 703-A DATE: May 27, 1986

FROM: D.D.Walker, 773-A, (5-2612) DDW

SUBJECT: The Fate of Listed Chemical Wastes in the 211-F Evaporator

The following listed chemicals may have been sent to the 211-F general purpose evaporators and thereby may eventually have reached the Tank Farm:

hydrofluoric acid
lead acetate
thallium acetate
acetone
methanol
phenol
4-methyl-2-pentanone (methyl isobutyl ketone, Hexone)
xylene

If any of these chemicals did reach the Tank Farm, the contents of the waste in the Tank Farm might be considered "Listed Waste." However, these chemicals must pass through the 211-F General Purpose Evaporator(low activity waste) or the 18.6-E Evaporator(high activity waste). Processing waste through the evaporators would have the following effects:

Hydrofluoric acid: The pH of both evaporators is maintained above 8, thus this compound would be converted entirely to sodium fluoride (NaF) before it reached the Tank Farm.

Lead acetate: Under the evaporator pot conditions (pH≥8, aqueous solution), Pb(IV) acetate would completely hydrolyze in water and precipitate lead oxide (PbO_2). Pb(II) acetate completely ionizes in aquaous solutions, and plumbite ion ($PbOOH^-$) forms. The lead(II) would likely precipitate as the insoluble sulfate salt.

Thallium acetate: This compound is water soluble and not strongly coordinated. Thus under the dilute aqueous conditions in the evaporator pot, both Tl(I) and Tl(III) acetates would be converted entirely to the hydroxides. Also, Tl(III) is not stable in boiling water and is converted to Tl(I). Thus, the

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final products of these compounds would be the soluble thallium(I) hydroxide, TlOH.

Xylene: Xylenes and water form a low boiling azeotropic mixture (BP. 95°C, 60% xylene/40% water). Nominally, the 211 F GP evaporator sends 1900 gallons (or more) of a 2000 gallon charge to overheads, leaving only 100 gallons of bottoms. This is enough water to completely strip several hundred gallons of xylene. However, this much xylene would never be sent since there is a limit of 0.5 vol % on the amount of second phase organics which can be sent to the evaporator. In the 18.6E evaporator, second phase organics are allowed to collect in the pot and are periodically washed and discharged. These are sent to storage and eventually to an incinerator.

Phenol: Phenol is slightly soluble in neutral pH water (1 g/15 ml) but becomes more soluble in basic solution due to formation of phenoxide ion (phenol pKa= 9.9). The neutral compound forms a low boiling azeotrope with water (99.5°C, 9.2% phenol/90.8% water). Therefore, its behavior in the evaporator pots will depend on the amount of phenol in the batch and the pH changes as the evaporation proceeds. As an example, let us assume that 1 kg of phenol is present in an evaporator charge of 2000 gallons of water at pH=8. Under these conditions, evaporation of 1900 gallons of water would strip most of the phenol and the increase in pH during evaporation (from 8 to 9) would have no significant effect. However, pH adjustment is not usually very accurate and the initial pH may be as high as 10 or 11. In this case most of the phenol is present initially as phenoxide ion and will not be removed at all. In both cases, the pH at the end of the evaporation cycle is ≥14 and any phenol is present as sodium phenoxide.

Acetone, and methanol: These compounds are miscible with water and are not significantly ionized even in 1 molar hydroxide. The amounts removed during evaporation will depend on the amount present in the batch. Their vapor pressure above the solution will roughly obey Raoult's law. Thus, assuming one gallon of acetone or methanol is present at the start, more than 97% would be stripped in a simple batch evaporation going from 2000 gallons down to 200 gallons. The presence of dissolved salts in the batch will increase the amount of organic stripped.

4-Methyl-2-pentanone: This compound is slightly soluble in water (1.91%) and has a vapor pressure of 400 mm Hg at 100°C. More than 99.9% of it will be stripped during a simple batch evaporation starting with 1 gallon of organic in 2000 gallons of water

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C069
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Email from Joseph Price to Jim Schoen RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization	
Source Document Reference Information (author(s), document and revision number, date, publisher): Joseph Price, NA, NA, 12/13/2011, NA	

AK # [b]	Source Doc. Page #[c]	AK Information Summary
PR7, WS2, WS8, WS9, WS12	Throughout	Jim Schoen From: joseph.price@srs.gov Sent: Tuesday, December 13, 2011 7:56 AM To: Jim Schoen Cc: gilmore.lunsford@srs.gov; mj_papp@msn.com Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization All chemicals identified in the memo (SRNS-RP-2010-01101) for 773-A and HBL Facilities. From: "Jim Schoen" <jim.schoen@q.com> To: <joseph.price@srs.gov>, <gilmore.lunsford@srs.gov> Cc: <mj_papp@msn.com> Date: 12/13/2011 09:46 AM Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Thanks Joe- Should all of the chemical constituents associated with F001, F002,and F005 also be assigned to the containers? James M. Schoen, CCP AKE Technical Specialists Washington TRU Solutions Subcontractor 303-838-6552 (office) 303-726-2452 (cell) jim.schoen@q.com From: joseph.price@srs.gov [mailto:joseph.price@srs.gov] Sent: Tuesday, December 13, 2011 5:52 AM To: gilmore.lunsford@srs.gov Cc: Jim Schoen; mj_papp@msn.com Subject: Re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Based on the information provided these referenced waste containers were generated from a

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DATE REC'D 12.21.12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C069
AK # [b]	Source Doc. Page #[c]	AK Information Summary
		spill cleanup of 1970's HBL and SRL (773-A) waste containers. Therefore, we agree the appropriate RCRA listed codes would be a combination of both facilities and F001, F002, and F005 should be assigned to all cleanup material generated. Joe Price (803) 208-8089 (803) 645-5466 (cell) From: Gilmore Lunsford/SRNS/Srs To: Joseph Price/SRNS/Srs@Srs Cc: mj_papp@msn.com, Jim Schoen <jim.schoen@q.com> Date: 12/12/2011 03:11 PM Subject: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Joe, can you help me answer this question(s)? gfl ----- Forwarded by Gilmore Lunsford/SRNS/Srs on 12/12/2011 03:10 PM ----- From: "Jim Schoen" <jim.schoen@q.com> To: '"Jeff Lunsford '" <gilmore.lunsford@srs.gov> Cc: '"Mike Papp'" <mj_papp@msn.com> Date: 12/12/2011 03:07 PM Subject: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization Hi Jeff- The SRS-12 HET-B and Soil waste streams have F001 and F005 assigned to them in the Go West database. Can you tell me if SRS has identified the specific F-listed constituents in these containers (see attached list) for these listed codes? If not, are you willing to state that any F001, F002, and F005 constituent may be present in this waste; or will you at least agree with our characterization that they might be? (by the way, they are the same constituents assigned to HET-A for F001, F002, and F005). Thanks! James M. Schoen, CCP AKE Technical Specialists Washington TRU Solutions Subcontractor 303-838-6552 (office) 303-726-2452 (cell) jim.schoen@q.com

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C069

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Elizabeth H Lickliter Date: 12/19/2012

Print Elizabeth H. Lickliter /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P048
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Solvent Tanks (S23 – S30) Interim Closure Plan (U)	
Source Document Reference Information (author(s), document and revision number, date, publisher): Rebecca S. Lewis, SWE-SWE-94-0279, Rev. NA, 07/01/1994	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR4, PR5, WS2, WS8, WS9, WS11, WS12, S9	Throughout	The SRS currently stores various solvent waste in eight underground solvent tanks (S23 through S30). Figure 1 (page 9) identifies the location of the tanks on site. These tanks contain waste from the Separations PUREX process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not RCRA listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities. This document is the plan for interim closure of these tanks. Tanks S23 through S30 are a Resource and Conservation and Recovery Act (RCRA) interim status storage facility located in the northern comer of the Low Level Radioactive Waste Disposal Facility (LLRWDF). The tanks were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene. Tanks S23 through S28 were declared unfit for use April 10, 1992, and the contents transferred to S29 and S30. Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of Phase 1 (Interim Closure of S23 through S28), Phase 2 (Interim Closure of S29 and S30, and Phase 3 (Final Closure of S23 through S30). This Interim Closure Plan for S29 and S30 describes the location and operation of solvent tanks and the activities required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. Table 1 on page 18 is the chemical analysis for the tanks, and Table 2 on page 19 lists the radioactive constituents in the tanks.

CCP RECORDS ORIGINAL
DATE REC'D 11-19-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P048

Source Document Data Limitations (if any):

1. Best available copy

Acceptable Knowlege Expert:

Allen Dickerson / [signature] // ad 11/16/12

Print /Sign Date: ~~06/15/2012~~

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

751226

10048

Westinghouse
Savannah River Company

P.O. Box 616
Aiken, SC 29802

ESH-CGP-96-0217

RECORDS ADMINISTRATION
R0596969

July 8, 1996

Mr. G. Randy Thompson, PE, Manager
Hazardous Waste Permitting Section
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Dear Mr. Thompson:

BURIAL GROUND SOLVENT TANKS (S23-S30) INTERIM CLOSURE PLAN, REVISION 3 (U)

Enclosed you will find Revision 3 of the Solvent Tanks (S23-S30) Interim Closure Plan. This revision includes plans for closing tanks S-29 and S-30. Tanks S23-S28 were closed in 1995.

If you have any questions, please call Dan Wells at (803) 725-4332.

Sincerely,

J.W. Cook, Manager
CERCLA, Geological, and Permitting Section
Environmental Protection Department

DGW:aeo
Enclosure*

cc: A. B. Gould, 703-41A (concur)*
V. W Sauls, 703-A (concur)*
M. C. Reese, SCDHEC-Aiken

Letter, J. W. Cook to G. R. Thompson
ESH-CGP-96-0217, July 8, 1996

bcc: M. F. Tyrrell, 724-21E
M. E. Johnson, 742-A
C. N. Williams, 703-41A
S. K. Nicodemus, 724-A
L. C. Thomas, 724-7E
D. G. Wells, 742-A
EPD File Room, 742-A*
Records Administration, 773-52A*

SOLVENT TANKS (S23 - S30)

INTERIM CLOSURE PLAN (U)

SAVANNAH RIVER SITE

UNITED STATES DEPARTMENT OF ENERGY

April 30, 1996

SWE-SWE-94-0279, Rev. 3
Interim Closure of Solvent Tanks S23 through S30
April 30, 1996

SOLVENT TANKS (S23- S30) INTERIM CLOSURE PLAN (U)

PREPARED BY: _____ DATE 5-15-96
S. K. Nicodemus

ADC & RO
REVIEWED BY: _____ DATE 5/20/96
M. B. Birk

DOES NOT CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC & Reviewing Official: _____ (Name and Title)
Date: 5/20/96

Note: changes to the Plan are denoted by **bold** text. In addition, those sections where text has been removed are denoted by a line in the margin.

TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
1.1	Background	1
Figure 1	TANK LOCATION	3
1.2	Regulatory Basis for Closure	4
1.3	Summary of Closure Plan	5
2.0	BACKGROUND DATA	5
2.1	Tank Description	5
Figure 2	SOLID WASTE DISPOSAL FACILITY CONFIGURATION	7
Figure 3	SCHEMATIC OF A TYPICAL TANK	8
2.2	Waste Characterization	9
Table 1	Chemical Analyses for Solvent Tanks	11
Table 2	Radioactive Constituents Identified in Solvent Tanks S23 - S30	12
3.0	DESCRIPTION OF CLOSURE ACTIVITIES	13
3.1	Safety	13
3.2	Tank Decontamination	14
3.2.1	Render Interior Atmosphere Inert	14
3.2.2	Set Up For Remote Cleaning	15
3.2.3	Remote Tank Cleaning	15
3.2.4	Transfer and Storage of Rinse Solution	16
3.3	Inert Filling of Tanks and Risers	16
3.3.1	Technical Justification of Inert Fill Material	16
3.3.2	Justification of Fill Material to Support LLRWDF Cap	17
3.3.3	Sealing All Tank Openings	17
3.3.4	Generation of Water from the Grouting Process	18
3.4	Schedule	18

Section		Page
Figure 4	Preliminary Schedule for Interim Closure of Solvent Tanks S23 - S30	19
4.0	EQUIPMENT DECONTAMINATION	20
5.0	EROSION AND SEDIMENTATION CONTROL PLAN	20
6.0	MAINTENANCE OF CLOSURE PLAN	20
7.0	THE LLRWDF CLOSURE	21
Figure 5	LLRWDF Location Map at E Area	21

1. INTRODUCTION

1.1 Background

The United States Department of Energy (DOE) owns and operates the Savannah River Site (SRS), a nuclear materials production facility located in Aiken, South Carolina. Operations at the SRS have resulted in the generation, storage, and disposal of various wastes, including solid, hazardous, and mixed waste. The SRS currently stores various solvent waste in **two** underground solvent tanks (**S29 and S30**). **Tanks S23 through S28 were closed in August 1995**. Figure 1 identifies the location of the tanks on site. These tanks contain waste from the Separations **Plutonium Uranium Extraction** (PUREX) process where mixtures of tributyl phosphate (TBP) and n-paraffin were used to separate a mixture of radioactive isotopes. These PUREX solvents are not Resource and Conservation and Recovery Act (RCRA) listed hazardous wastes. Additionally, these tanks may contain wastes from various SRS facilities.

Tanks **S29 and S30** are a RCRA interim status storage facility located in the northern corner of the Low Level Radioactive Waste Disposal Facility (LLRWDF). Tanks **S29 and S30** were placed under interim status September 25, 1990 when the revised Toxicity Characteristic (TC) rule became effective. The revised Toxicity Characteristic rule added 25 organic chemicals to regulatory control under Subtitle C of RCRA. Process knowledge of the solvent waste indicated that traces of the newly RCRA regulated chemicals benzene and methyl ethyl ketone were potentially present in the waste. Subsequent laboratory analysis confirmed that the waste is hazardous with varying concentrations of lead, mercury, silver, benzene, and trichloroethylene.

Tanks S23 through S28, which were 15 years old in 1990, were declared unfit for use April 10, 1992. Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The waste from these tanks have been transferred to S29 and S30 **and interim closure completed in August 1995**. Tanks S29 and S30 were integrity tested in **September 1995**, and **are** used to store the consolidated waste.

Tanks S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements in October of 1996. **Replacement tanks have been** permitted and constructed for storage of the consolidated solvent waste. Replacement tanks **are** available **and waste currently in S29 and S30 will be transferred** by October 1996. **(In addition, any contaminated rainwater not acceptable at a site process facility be pumped into tanks S29 and S30 and subsequently transferred to the replacement tanks).**

The interim closure of solvent tanks S23 through **S28 consisted** of triple rinsing and grouting the tanks in preparation for the final closure. **(Tanks S29 and S30 will be triple rinsed without recycling the rinsate through filters and then grouted).** The final closure of the solvent tanks will be completed as part of the LLRWDF Closure low permeability cover system. The Mixed Waste Management Closure Plan (Volume 2-LLRWDF) **has been** amended to include closure of the solvent tanks.

Management of the solvent waste and closure of the solvent tanks includes a Three-Phase Plan consisting of the following:

Phase 1 (Interim Closure of S23 through S28) - **completed August 1995.**

- S23 through S28 **were** triple rinsed **(recycling the rinsate through filters)** and filled with grout.
- The area around these tanks **was** regraded and managed according to an approved Soil and Erosion Plan.

Phase 2 (Interim Closure of S29 and S30)

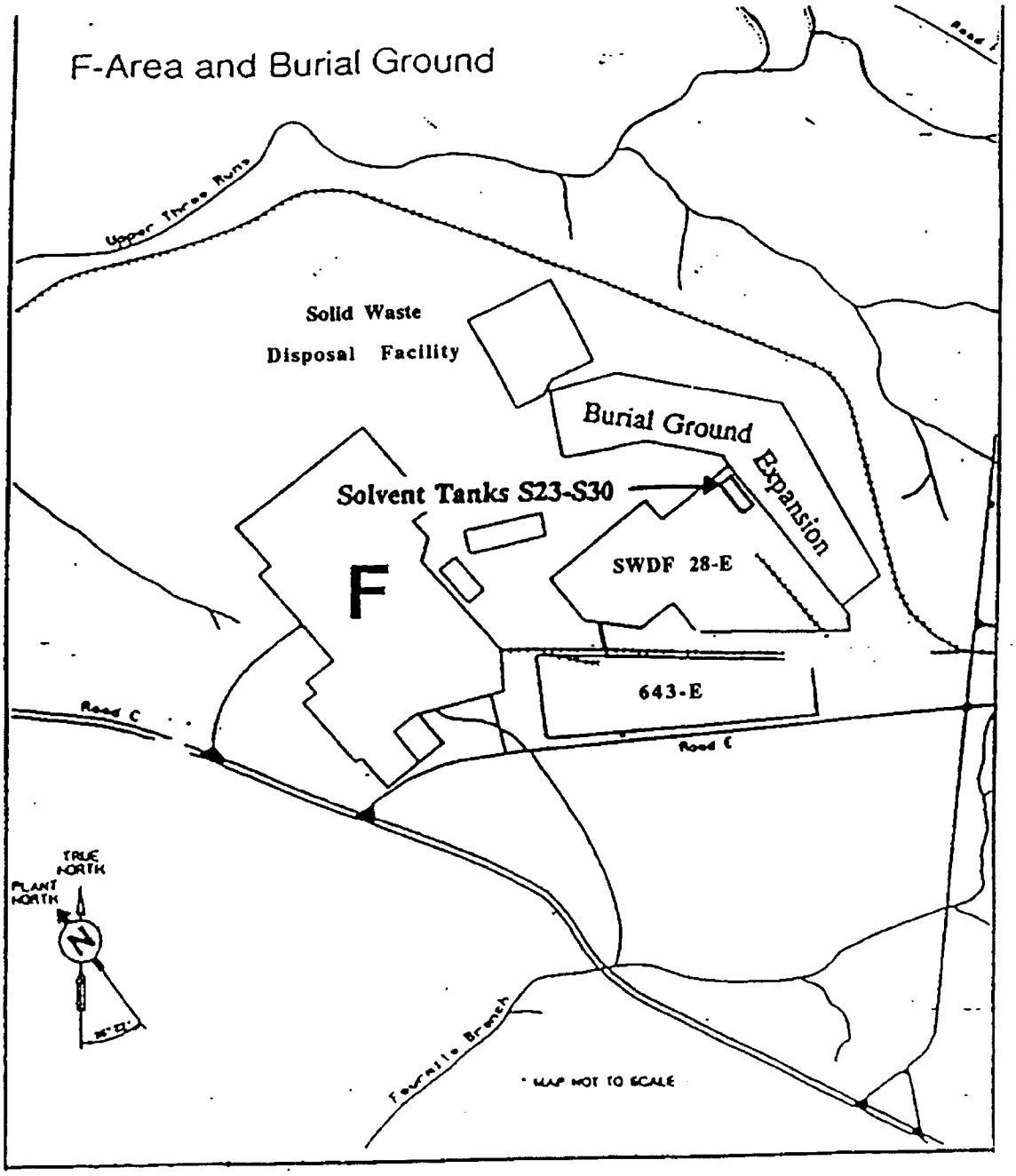
- S29 and S30 **are being** used for the temporary storage of all solvent waste and rinse solution that is generated from the interim closure of S23 through S28.
- S29 and S30 **are** rodded and inspected, and sumps checked per RCRA Interim Status requirements.
- Waste from S29 and S30 will be transferred to replacement RCRA permitted tanks (**33H - 36H**) by October 31, 1996.
- S29 and S30 will be **triple** rinsed **(without recycling the rinsate through filters)** and filled with grout.

- The area around these tanks will be regraded and prepared for the LLRWDF Cap.

Phase 3 (Final Closure of S23 through S30)

- S23 through S30 and S32, which was closed in 1988, will be capped as part of the LLRWDF Closure.

Figure 1
TANK LOCATION



1.2 Regulatory Basis for Closure

South Carolina Hazardous Waste Management Regulations (SCHWMR) R. 61-79.265.193(a)(5) requires secondary containment and leak detection for existing tank systems either within two years of the date the tank systems become subject to the regulations or when the tank systems have reached 15 years of age, whichever comes later. Section 265.191 requires that existing tank systems that do not have secondary containment must undergo a tank integrity assessment within 12 months after the date the tank system became subject to the regulations. Additionally, an annual leak test that meets the requirements of Section 265.191(b)(5) must be conducted until such time that secondary containment requirements are met. This is required by 265.193 (i) (2).

Tanks S23 through S28 were installed in September 1976 and have passed the fifteen year age limit for mandatory compliance with secondary containment and leak detection requirements. The contents of S23 through S28 have been transferred to S29 and S30, which successfully passed integrity tests in **September 1995**. Tanks S23 through S28 **were** triple rinsed (**recycling the rinsate through filters**) and filled with grout (**completed in August 1995**) as an interim closure prior to the final LLRWDF Closure. Tanks S29 and S30 will be kept in service until **all stored waste is transferred to the new solvent storage tanks listed in Section 1.1. This transfer will be completed prior to October 31, 1996**. October 31, 1996 is the date that S29 and S30 will pass the fifteen year age limit for mandatory compliance with secondary containment. After this date, replacement tanks **33H** through **36H**, will be used to store the consolidated waste from S29 and S30. An interim closure, consisting of a **triple** rinse (**without recycling the rinsate through filters**) and grouting Tanks S29 and S30, will be implemented upon removal of waste from the tanks. The entire solvent tank storage area **has been** included in the LLRWDF Closure Plan. The LLRWDF Closure is required by RCRA and Settlement Agreement 91-51-SW between South Carolina Department of Health and Environmental Control (SCDHEC) and DOE. The LLRWDF Closure Plan addresses LLRWDF trenches, cells, and boreholes that received hazardous waste in the form of F-Listed solvent rags between March 11, 1986 and January 25, 1990. The LLRWDF Closure Plan is based on SCHWMR R.61-79.265 Subparts G (Closure and Post-Closure Plan) and N (Landfill). The LLRWDF Closure

Plan was submitted to the SCDHEC in August 1993. **It was then amended and submitted in October 1995 to include the solvent tank area. SCDHEC conditionally approved the amended plan in December 1995.**

1.3 Summary of Closure Plan

This Interim Closure Plan for **S29 and S30** describes the location and operation of solvent tanks and the activities that are required to prepare the solvent tanks for final closure under the LLRWDF low permeability cover system. These activities include a **triple** rinse **(without recycling the rinsate through filters)** with water and filling the tanks with grout. The proposal to rinse and grout the tanks prior to capping will minimize threats to human health and the environment caused by the potential release of hazardous constituents after the closure of LLRWDF.

2. BACKGROUND DATA

2.1 Tank Description

There were originally 32 tanks installed at SRS with the intended purpose of storing spent canyon solvent. Tanks S1-S22 were installed in the Old Radioactive Waste Burial Ground (643-E) between 1955 and 1968. These tanks are being assessed under the RCRA/CERCLA (RFI/RI) Program. Tanks S23 through S28 were installed in the Burial Ground Complex in March of 1976. Tanks S29 through S32 were installed in the Burial Ground Facility in October of 1981. Tank S32 was used to store tritiated oil and was closed in accordance with RCRA regulations in 1988. Tank S31 was never used for storage and has been excavated **and dispositioned through Salvage**. Figure 2 identifies the location of Tanks S23-S30 **and Tank S32** in the Burial Ground Complex.

Solvent Storage Tanks S23 through S30 are constructed of 3/8" thick carbon steel, coated with three applications of bitumastic coating to prevent external corrosion. A schematic diagram of a typical tank is shown in Figure 3. Each tank is cylindrical, measures 10'6" x 38'10", and has a 25,000 gallon capacity. Each tank is supported by four steel saddles, resting on a sloping concrete pad approximately 15 feet below grade. As a preventive

measure against the tanks floating under high groundwater conditions, each tank was anchored to its pad with four metal bands. Each pad is sloped 0.2 inches per foot (6 1/8 inches over the length of the pad) toward a 64 gallon bitumen coated steel collection sump. The top of each pad is **sloped towards the center** so that any spillage flows towards the center line of the pad. At the sump-end of the pad, a 2 inch diameter pipe directs liquids from the pad into the underlying sump. Each solvent storage tank and its respective sump are covered by an oil resistant 30 mil PVC liner. The PVC liner is covered by a layer of topsoil which is in turn covered by asphalt and seeded mulch. Each tank is equipped with a rodding tube for inventory purposes, a fill tube, and an emptying tube. All ancillary equipment is enclosed by the PVC liner except for those portions above the ground surface that can be visually inspected. Each solvent storage tank contains one HEPA filtered vent. Tanks S29 and S30 are identical to Tanks S23 through S28 except that they have a manhole and a 30 mil PVC liner that extends below the concrete pad up to the surface. Drawing Q-CP-E-0001 (Appendix 1) provides details and cross sections of a typical tank.

WSRC site procedures provide administrative controls which have been used to prevent the tanks from overflowing during filling operations. These controls include taking inventory measurement of the tank proposed to receive the waste, calculating the remaining available capacity, and determining that the volume of the waste to be transferred does not exceed the available space. Inventory measurements are made using a calibrated stainless steel rod.

The sumps for tanks S23 through S30 have been checked bi-weekly for the accumulation of liquid since the tanks were in service, whether or not the tanks were involved in filling/emptying operations. The sump contents are sampled and analyzed for alpha and beta-gamma activity. Based on these laboratory results, the contents of the sump are **either** pumped to grade, stored as low level waste, or stored as mixed waste.

These tanks fall within the unit facility boundary for the combined Burial Ground Complex RCRA/CERCLA unit. Interim and Final Closure of the solvent tanks will proceed under RCRA guidance; however, closure data and any environmental impacts will be incorporated into, and evaluated under, the RCRA/CERCLA program for the combined Burial Ground Complex.

Figure 2
SOLID WASTE DISPOSAL FACILITY CONFIGURATION

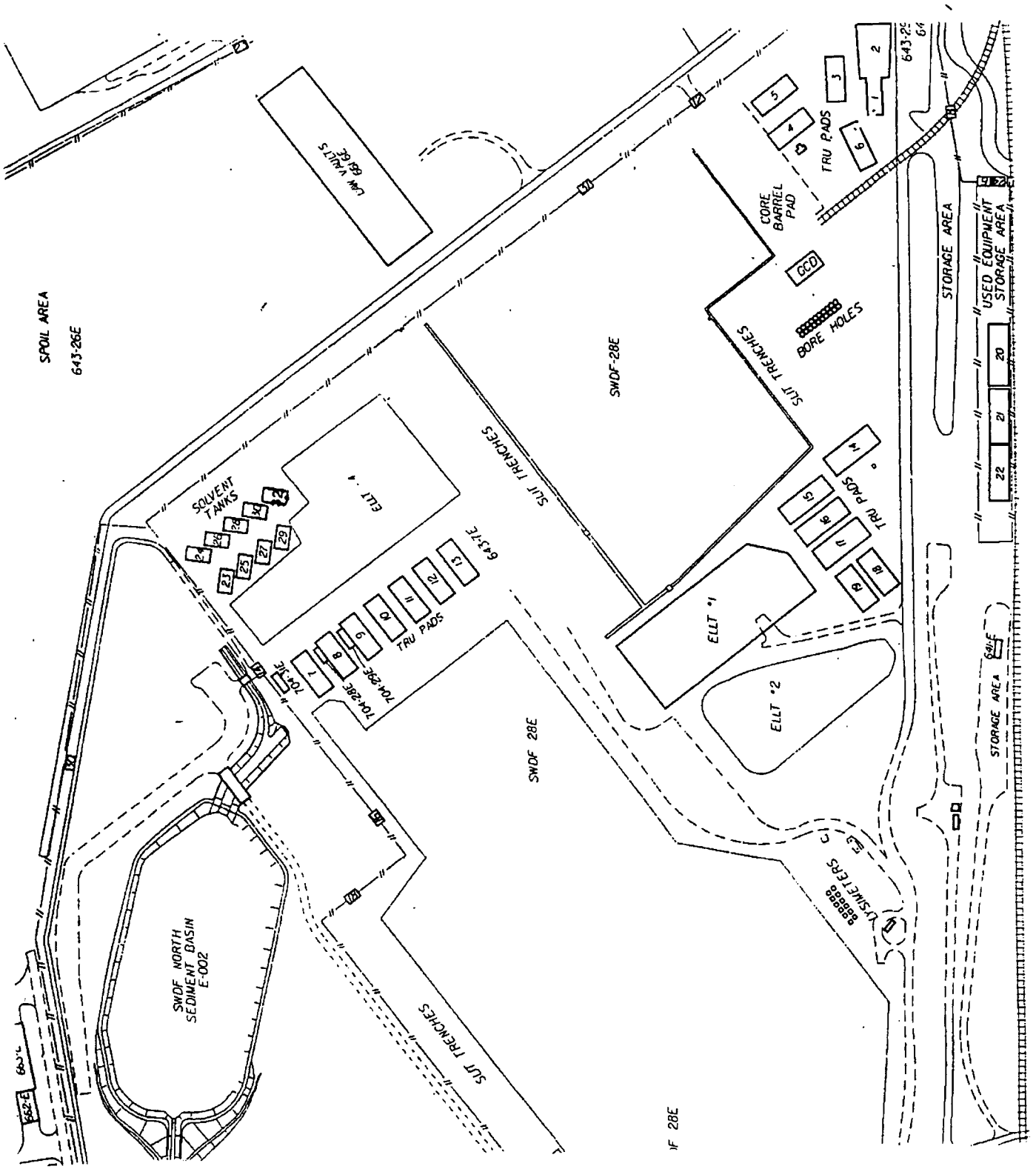
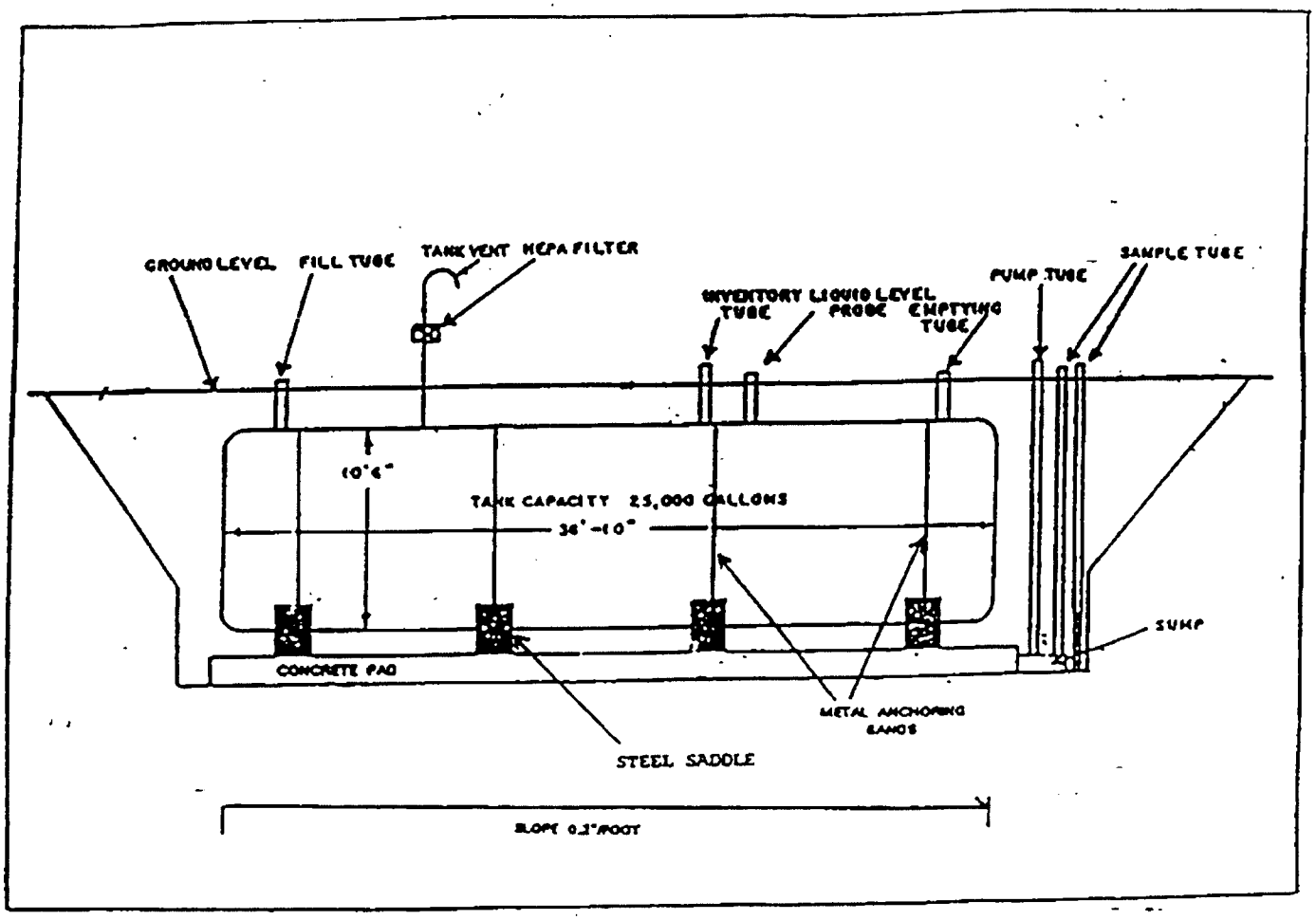


Figure 3
SCHEMATIC OF A TYPICAL TANK



2.2 Waste Characterization

In the past, solvent waste consisted of such items as oils, scintillation fluids, n-paraffin, Ultrasene, and TBP. The current inventory consists primarily of n-paraffin and TBP from the Separations PUREX process. Because of the variety of sources, the composition of the waste is varied. In the radiochemical separations process at SRS, quantities of organic solvent are degraded by exposure to radiation and by accumulation of radionuclides. When solvent (typically TBP in n-paraffin with residuals of uranium, plutonium, and fission products) is no longer usable in the process, it is washed to remove as much radionuclide contamination as possible. In the past this material was shipped to solvent tanks S1-S22 in the Old Burial Grounds (643-E). Some of the material was disposed of by burning in open pans in the Old Burial Grounds. Because of air quality standards, this practice was discontinued. As solvent tanks S23-S30 became operational, the remaining waste from S1-S22 and all subsequent solvent shipments were transferred to these tanks. In the early 1980's, another disposal campaign was begun which burned the majority of the remaining material at the Beta Gamma Incinerator (BGI). This operation was also discontinued.

A sampling and analysis plan was completed and executed in September 1991 which included an isotopic analysis and both TC metal and organic analyses. The Savannah River Technology Center (SRTC) completed the isotopic analyses which resulted in ranges from 6.40E+03 to 5.51E+05 disintegrations / minute / milliliter (d/m/ml) gross alpha and 2.35E+03 to 2.12E+05 d/m/ml beta-gamma. The SRTC was also able to perform volatile and semi-volatile organic analysis. However, due to inadequate equipment and unapproved procedures, they were only able to complete a screening for TC metals. Samples were then sent to Oak Ridge National Laboratory (ORNL) for TC metals analysis.

On March 18, 1992, SRS received sample results from the TC metals analysis from ORNL which indicated that the wastes are hazardous for silver, lead, and mercury. Analytical results from ORNL for hazardous constituents are not available for tanks S27 and S29 due to the shut down of exhaust hoods that were necessary to perform a proper digestion of an organic sample prior to analysis for TCLP metals. It is assumed that these tanks contained all the hazardous constituents found in the analytical results for the other tanks.

Current data indicate that elevated levels of benzene, TCE, lead, mercury, and silver are present in some of the tanks. Radioactive constituents are present in all of the tanks. Table 1 summarizes the hazardous constituents detected in the tanks. Table 2 gives a summary of the radioactive constituents identified.

Table 1

Chemical Analyses for Solvent Tanks

Tank	Analy No (ORNL)	Approximate Volume (Gallons)*	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Ba (ppm) (ORNL)	Be (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)	pH (SRTC)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5	<2, >12.5
Tank S-23 Top (organic)	920330-075	824	< 500	< 50	650	475	< 0.002	< 0.002	< 0.002	0.021+/-0.005	< 0.004	0.548+/-0.027	0.44+/-0.048	< 0.094	
Tank S-23 Bot (aqueous)	920330-076	3343	9888	34	77	50	1.28 +/-0.02	119+/-0.025	<0.002	2.29+/-0.01	0.042+/-0.004	0.21+/-0.006	2.8+/-0.13	1.32+/-0.32	11.31
Tank S-26 Top (organic)	920204-137	90	3445	< 5	< 5	< 5	0.055+/-0.04	< 0.008	< 0.009	1.11+/-0.01	< 0.004	< 0.005	< 0.036	< 0.094	
Tank S-26 Bot (aqueous)	920204-138	197	2584	< 5	< 5	< 5	2.46+/-0.15	< 0.008	< 0.009	4.32+/-0.08	0.128+/-0.015	0.492+/-0.015	5.88+/-0.6	2.3+/-3.80	n
Tank S-27 Top (organic)		22804	Below TCLP Limits	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-27 Bot (aqueous)		551	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S-28 Top (organic)	920204-139	15	9282	?	<5	<5	0.72+/-0.085	< 0.008	< 0.009	3.3+/-0.015	0.102+/-0.05	0.248+/-0.025	1.37+/-1.87	2.75+/-2.75	
Tank S-28 Bot (aqueous)	920204-140	14	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	11.98+/-0.28	< 0.008	< 0.009	9.67+/-0.09	0.842+/-0.025	3.13+/-0.015	24.18+/-.385	24.39+/-1.09	NA
Tank S-29 Top (organic)		0 **	Below TCLP Limits	280	Below TCLP Limits	Below TCLP Limits	NA	NA	NA	NA	NA	NA	NA	NA	
Tank S-29 Bot (aqueous)		57	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank S-30 Top (organic)	920330-077	240	< 100	< 5	< 5	< 5	< 0.002	< 0.002	< 0.002	0.042+/-0.007	< 0.004	0.703+/-0.019	0.428+/-.059	< 0.094	
Tank S-30 Bot (aqueous)	920330-078	225	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.044+/-0.008	0.058+/-0.024	0.132+/-0.029	0.123+/-0.011	0.031+/-0.017	0.109+/-0.01	0.134+/-.061	< 0.094	NA

WEIGHTED AVERAGE*** .

Tank	Analy No (ORNL)	Approximate Volume (Gallons) *	MEK (ppb) (SRTC)	Benzene (ppb) (SRTC)	TCE (ppb) (SRTC)	PCE (ppb) (SRTC)	Ag (ppm) (ORNL)	As (ppm) (ORNL)	Ba (ppm) (ORNL)	Be (ppm) (ORNL)	Cd (ppm) (ORNL)	Cr (ppm) (ORNL)	Hg (ppm) (ORNL)	Pb (ppm) (ORNL)
Regulatory Limits			200000	500	500	700	5	5	1	100	1	5	0.2	5
Tank S-23		4187	7676	37	190	134	1.043	0.118	< 0.002	1.85	0.038	0.287	2.447	1.334
Tank S-26		287	2840	< 5	< 5	< 5	1.821	< 0.008	< 0.009	3.351	0.099	0.35	4.46	4.22
Tank S-28		29	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	8.325	< 0.008	< 0.009	8.923	0.497	1.68	13.38	15.15
Tank S-30		465	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	Below TCLP Limits	0.026	0.041	0.079	0.09	0.025	0.43	0.348	0.094

*Measured at the time of sampling.

Tanks S-24 and S-25 contain no measurable liquids

** Tanks S-27 & S-29 were analyzed by SRTC only

*** While there was an organic layer in the Sample, the layer was not thick enough to be measured by sticking techniques

**** Tanks S-27 & S-29 are not included in the weighted averages

Table 2

Radioactive Constituents Identified in Solvent Tanks S23 - S30

Tank/Sample	ADS Number	Volumn (Gallons)	Gross Alpha d/m/ml	Gross Beta d/m/ml	Tritium uCi/ml	Gamma Scan uCi/ml	Alpha PHA	Pu239 (Grams)	Pu238 (Grams)	Am241 (Grams)	Cm244 (Grams)
S23 Bottom	63819	3,343	6.40E+03	None detected	<7.32E-04	Co60 - 5.57E-04 Cs137 - 4.47E-02 Eu154 - 5.82E-04 Am241 - 4.40E-03	97%Am241 3%Cm244	None	None	1.0E-02	1.4E-05
S23 Bottom (Duplicate)	63818	3,343	7.44E+03	7.08E+03	<9.19E-04	Co60 - 5.72E-04 Cs137 - 4.47E-02 Eu154 - 3.27E-04 Am241 - 2.38E-03	95%Am241 5%Cm244	None	None	1.2E-02	2.6E-05
S23 Top	63820	824	None detected	2.35E+03	<4.26E-04	None detected	None detected	None	None	None	None
S23 Top (Duplicate)	63821	824	None detected	None detected	<4.26E-04	None detected	None detected	None	None	None	None
S26	63823	287	5.51E+05	2.12E+05	<4.89E-02	Sb125 - 6.53E-03 Cs137 - 2.38E-03	97%Pu238 3%Cm244	None	1.5E-02	None	1.0E-4
S26 (Duplicate)	63822	287	3.00E+05	1.85E+05	<4.74E-02	Sb125 - 6.57E-03 Cs137 - 2.34E-03	98%Pu238 2%Cm244	None	8.4E-03	None	3.6E-05
S27 Top	64845	22604	1.54E+05	2.08E+04	<2.07E-02	Zr95 - 2.51E-04 Eu154 - 3.68E-03 Eu155 - 5.96E-04	<1%Pu239 30.6%Pu238 4.5%Am241 69.7%Cm244	9.7E-01	1.1E-01	7.6E-02	4.7E-02
S27 Top (Duplicate)	64846	22604	2.60E+05	1.84E+04	<2.08E-02	Zr95 - 2.59E-04 Eu154 - 3.87E-03 Eu155 - 5.88E-04	<1%Pu239 31.2%Pu238 6.3%Am241 61.1%Cm244	1.6E+00	1.8E-01	1.8E-01	7.6E-02
S27 Bottom	64847	551	2.12E+05	2.20E+04	<.88E-02	Zr95 - 1.86E-04 Eu154 - 3.88E-03 Eu155 - 5.89E-04	<1%Pu239 42.2%Pu238 3.8%Am241 54.0%Cm244	3.3E-02	4.9E-03	2.2E-03	1.3E-03
S27 Bottom (Duplicate)	64848	551	2.39E+05	3.05E+04	<2.44E-02	Eu154 - 4.29E-03 Eu155 - 6.69E-04	<1%Pu239 40.8%Pu238 3.6%Am241 54.1%Cm244	4.0E-02	5.6E-03	2.6E-03	1.6E-03
S28	63566	29	1.59E+04	6.55E+04	<1.24E-02	Co60 - 3.04E-04 Sb125 - 3.07E-03 Cs137 - 2.47E-02	80%Pu238 20%Cm244	None	3.7E-05	None	1.9E-07
S28 (Duplicate)	63565	29	1.38E+04	5.64E+04	<1.22E-02	Co60 - 1.38E-04 Sb125 - 2.99E-03 Cs137 - 2.47E-02	64%Pu238 36%Cm244	None	2.6E-05	None	3.0E-06
S29	64849	57	2.70E+04	1.98E+04	<1.06E-02	Sb125 - 1.80E-03 Cs137 - 1.43E-03	40.0%Pu239 50.0%Pu238 10.0%Cm244	1.7E-02	7.7E-05	None	3.2E-06
S29 (Duplicate)	64851	57	2.62E+05	3.63E+04	<1.16E-02	Sb125 - 1.76E-03 Cs137 - 1.31E-03	10.0%Pu239 80.0%Pu238 10.0%Cm244	4.2E-02	1.2E-03	None	3.1E-05
S30	63567	495	3.97E+04	1.34E+05	<1.48E-02	Co60 - 2.18E-04 Sb125 - 1.17E-03 Cs137 - 5.00E-02	100%Cu244	None	None	None	4.1E-04
S30 (Duplicate)	63568	225 bottom 240 top	None detected in top layer 3.60E+04 in bottom layer	None detected in top layer 1.24E+05 in bottom layer	<1.48E-03 in top layer <2.41E-02 in bottom layer	Cs137 - 7.30E-04 in top layer Co60 - 2.27E-04 Cs137 - 5.3E-02 in bottom layer	66%Pu238 33%Cu244 in bottom layer	None in top or bottom	5.3E-04 in bottom	None in top or bottom	5.6E-05 in bottom layer

Tank 24 and 25 are empty.

3. DESCRIPTION OF CLOSURE ACTIVITIES

3.1 Safety

During closure operations, SRS will comply with the requirements of OSHA 1910.120 Site Specific Safety and Health Plan which includes a site specific Safety, Health, and Emergency Response Plan.

The concept of keeping employee radiation exposure "As Low As Reasonably Achievable" (ALARA) **has been** incorporated. All aspects of radiation control will be performed in accordance with the WSRC 5Q Manual, ***Radiological Control***. A Radiation Work Permit (RWP) will be written prior to initiation of the job. After the RWP is written, SW will perform an ALARA Review. Workers will sign the RWP as required.

The subcontractor Radiological Control Operations (RCO) will perform all radiological monitoring. The subcontractor will also perform all Industrial Hygiene (IH) personnel exposure monitoring with the WSRC IH Department providing oversight on the subcontractor's monitoring.

All personnel working within the closure area shall submit to SRS Invivo/Invitro bioassay and dosimetry and provide documentation of a physical within the last 12 months to document fitness-for-duty.

Site workers shall have had the appropriate training as follows:

1) All personnel brought on site
   - SRS General Employee Training
   - Hazard Communications Standards

2) Personnel working within the closure area may be required to have the following training, depending on the actual work to be performed:

   - SRS Radiation Worker II Training with Facility Specific Practical Training (32 hours) **or successfully complete appropriate testing requirements.**

- General Respiratory Training
- Negative Pressure Respiratory Training (1 hours)
- SRS Plastic Hood and Plastic Suit Training (3 hours)
- RCRA Training
- Hazardous Materials Transportation Training (4 hours)
- OSHA Hazardous Waste Operator and Emergency Response (HazWOPER) class and a minimum of 3 days field experience taught by supervisors who are trained and experienced in hazardous waste operations
- Appropriate Manager/Supervisor 8 hour OSHA training for all supervisors

Personnel must re-qualify for all training as required by site procedures. **Training will either be completed at the SRS or offsite training will be used if equivalent to SRS training.**

3.2 Tank Decontamination

The interior of Tanks **S29** and S30 will be **triple** rinsed **(without recycling the rinsate through filters)** with water using an industrial-grade rotary cleaner. (Tanks **S23 through S28 were triple rinsed using filters with the rinse water recycled through a trailer mounted filter assembly**). **By excluding the use of a filter assembly, the possibility of radiation exposure to the employees and the environment will be reduced**. The rinsing activities will be followed by placement of grout in the tanks.

The physical methods of rinsing S29 and S30 **will** vary from the contract requirements for rinsing S23 through S28 in that S29 and S30 will be **triple** rinsed **(without recycling the rinsate through filters); however, rinsing and grouting will, at a minimum, meet the requirements (specified in the previous revision of this Plan) for Tanks S23 through S28**.

3.2.1 Render Interior Atmosphere Inert

Prior to beginning closure activities the concentrations of flammable gases will be measured. If the concentration exceeds 10% of the Lower Explosive Limit (LEL)

for the flammable gases, the interior of the tanks will be rendered inert by purging the tanks. The outflow from the purged tanks will be HEPA filtered.

3.2.2 Set Up For Remote Cleaning

Containment huts or glove bags will be used for contamination control during the remote cleaning of each tank. The remote cleaning head will be lowered through the 6-inch diameter riser and secured to the riser flange. A pipe will be inserted into the tank's lowside 4-inch diameter riser for discharge of the rinsate.

3.2.3 Remote Tank Cleaning

The first phase of tank cleaning will consist of washing the tank using a **Fury 400 Tank Washer** rotary machine installed into the existing 6-inch riser. **Fury 400 Tank Washer** rotary machines are commercially-available, industrial-grade units used to clean all types and sizes of industrial process, storage, and transport tanks using precision jet impact force and liquid volume to effectively scrub, wash, and rinse internal tank surfaces automatically. The **Fury 400 Tank Washer** is powered hydraulically by the rinsing **liquid**. Complete 360 degree rotation in both the horizontal and vertical planes ensures full tank cleaning coverage. To achieve adequate cleaning of the solvent tanks, the **Fury 400 Tank Washer** will be suspended to the tank center by a supply pipe which will carry the **water**. A **minimum** cleaning force of **80** lbs/sq. ft. will be generated and a tank cleaning cycle time of **15** minutes **will be used**.

For cleaning, **an estimated** volume of **3,000 gallons (1,500 per tank)** of water will be used. Through the process of tank washing, residual sludge and waste will become flowable and be removed with the suction pump used to remove rinsate. All sludge, **any contaminated rainwater accumulated in storage,** and rinsate will be transferred to **33H through 36H. The Fury 400 Tank Washer steel pipe will either be cut and allowed to fall into the emptied tanks or removed, depending on the amount of contamination.**

(Final Rinse Section removed; no longer applicable).

3.2.4 Transfer and Storage of Rinse Solution

Rinsate will be removed from the tank via a pump taking suction on the steel drain pipe which is inserted and sealed to the 4-inch riser closest to the tank sump to take maximum advantage of the tank slope. All rinsate generated from the cleaning of **S29 and S30** will be transferred to tanks **33H through 36H**.

(Storage and Disposal of Filters and Resin Section removed; no longer applicable).

3.3 Inert Filling of Tanks and Risers

After completion of the tank cleaning and decontamination, each tank will be filled with Low Strength Grout (150 psi). **When possible,** the sealing of all tank openings will occur in parallel with inert fill activities. The grout will be allowed to cure for two weeks **before capping**. After the cure period, the risers will be capped with metal caps and Belzona Super Metal.

3.3.1 Technical Justification of Inert Fill Material

Controlled, low strength material (CLSM) also known as "flowable fill" or "grout" will be used to fill the tanks after cleaning operations. The following criteria were considered by SRS for the grout fill formulation:

1) Maximum temperature rise due to hydration reactions should not exceed 50 degrees C.
2) Minimum 56 day compressive strength of 150 psi.
3) Set time between 4 hours and one week.
4) Must be pumpable and flowable.

A grout formulation consisting of cement, flyash, sand, and water will meet these proposed criteria. The in-place density of this material would be approximately 135 lbs/cubic ft. This weight will be more than adequate to prevent flotation. The

material can be easily transported to the site and pumped into place. The flyash adds to the flowability of the material. According to the National Ready-Mix Concrete Association, the material has flow characteristics similar to that of cement slurry. Grout does not require tamping or vibration to ensure adequate placement and is liquid enough to prevent mounding or void. By pumping the grout into place, minimal voids should be left in a filled tank. The chemistry of the grout is such that there will be minimal reactivity with the tank walls. Grout is essentially a non-leaching material. Also the grout has minimal potential for allowing migration of groundwater through the tank, and thereby, should aid in resisting the leaching of any residual hazardous or radioactive constituents inside the tank or on its interior wall.

3.3.2 Justification of Fill Material to Support LLRWDF Cap

The compressive strength capabilities of the grout mix has also been evaluated. This evaluation was included to present information which might be a factor during installation of the proposed LLRWDF cap. An eight foot (8) thick cap is being considered for installation over the solvent storage tanks. The estimated stress on each of the tanks caused by the LLRWDF cap is 1000 pounds per square foot or 7 psi versus the 150 psi strength of the grout. As a result, the strength of the grout filled tanks will be more than adequate to support the weight of the cap. Additionally, if the tops of the tanks were to rust through, the grout would prevent cave-in of the cap.

3.3.3 Sealing All Tank Openings

Sealing of all tank openings will be completed in parallel with the inert fill activities. BELZONA Super Metal will be used to adhere the caps to the tank openings. BELZONA is a two-component paste-grade system based on a silicon steel alloy blended with high molecular weight reactive polymers and oligomers. When cured, the material is durable with typical tensile shear adhesion of 2,700 psi. Each of the risers will be oversized-capped and sealed. Each application will be visually inspected by a Quality Assurance Inspector.

3.3.4 Generation of Water From The Grouting Process

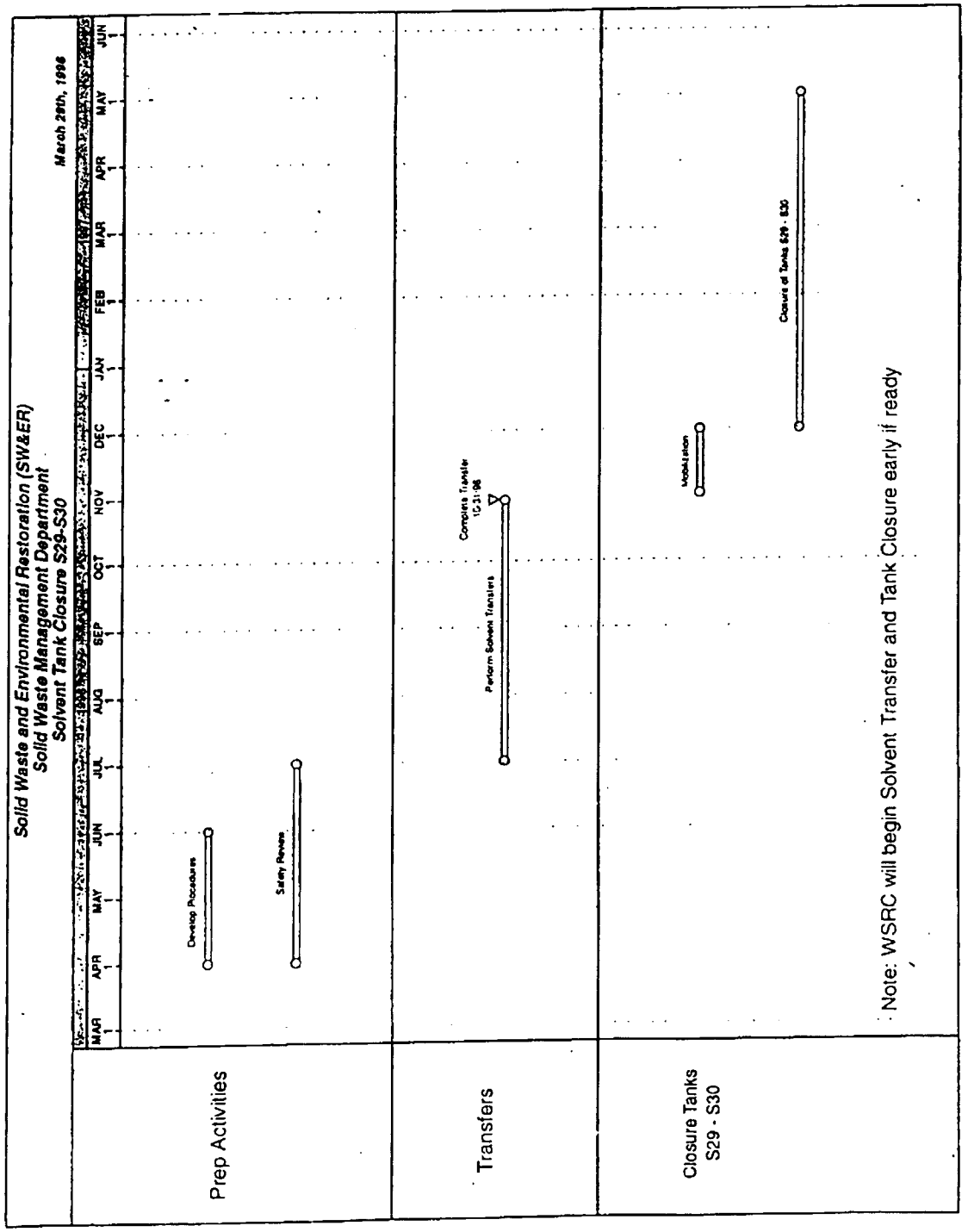
A **maximum of** approximately 4000 gallons of water **could** be displaced from the grout as it cures in the tanks. The water will be sampled for tritium, gross alpha, gross beta/gamma, pH, and TCLP constituents. Based on the results of the sample **analysis**, the grout water will be dispositioned to Solvent Tanks **33H** through **36H** or the 211-F General Evaporators (**will be used as a back-up possibility only**).

3.4 Schedule

Figure 4 identifies the milestone activities, their respective anticipated **start dates, and** duration. **However**, unanticipated precautions and requirements may arise and may preclude **starting or** completing an activity within the estimated time frames. To the extent that activities can take place concurrently, total closure time may be reduced.

Figure 4

Preliminary Schedule for Interim Closure of Solvent Tanks S23 and S30 (S29 and S30 in 1996 - 1997)



4.0 EQUIPMENT DECONTAMINATION

The equipment used to implement this tank closure will be inspected by RCO for the presence of radioactive contamination. These items may include pumps, transfer hoses, etc. An appropriate **cleaner**, as necessary, will be used to clean all equipment identified by RCO as requiring such action. The cleaning solution will be collected and analyzed for TCLP constituents of concern and radioactive contamination. Equipment that cannot be decontaminated will be managed as radioactive waste, hazardous waste, or mixed waste, as appropriate. Hazardous and mixed waste will be sent to an appropriate RCRA permitted hazardous or mixed waste treatment, storage or disposal facility; radioactive waste will go to the **E Area Vaults**, and any excess clean soil will be used in regrading the tank area. **The cleaning solution will be dispositioned by storing it in Solvent Tanks 33H through 36H or sending it to the 211F evaporators (as a back-up possibility only).**

5.0 EROSION AND SEDIMENTATION CONTROL PLAN

An Erosion and Sediment Control Plan (Appendix 2) **was** completed for the Closure of Solvent Tanks **S23 through S28** as required by the South Carolina Land Resources Commission. This plan provided for the regrade of the ground surface to enhance drainage. The Erosion and Sediment Control Plan **was** implemented following the completion of sealing the tank closures. **Since the land disturbance for the closure of tanks S29 and S30 is less than one-half acre, a separate Erosion and Sediment Control Plan will not be necessary.**

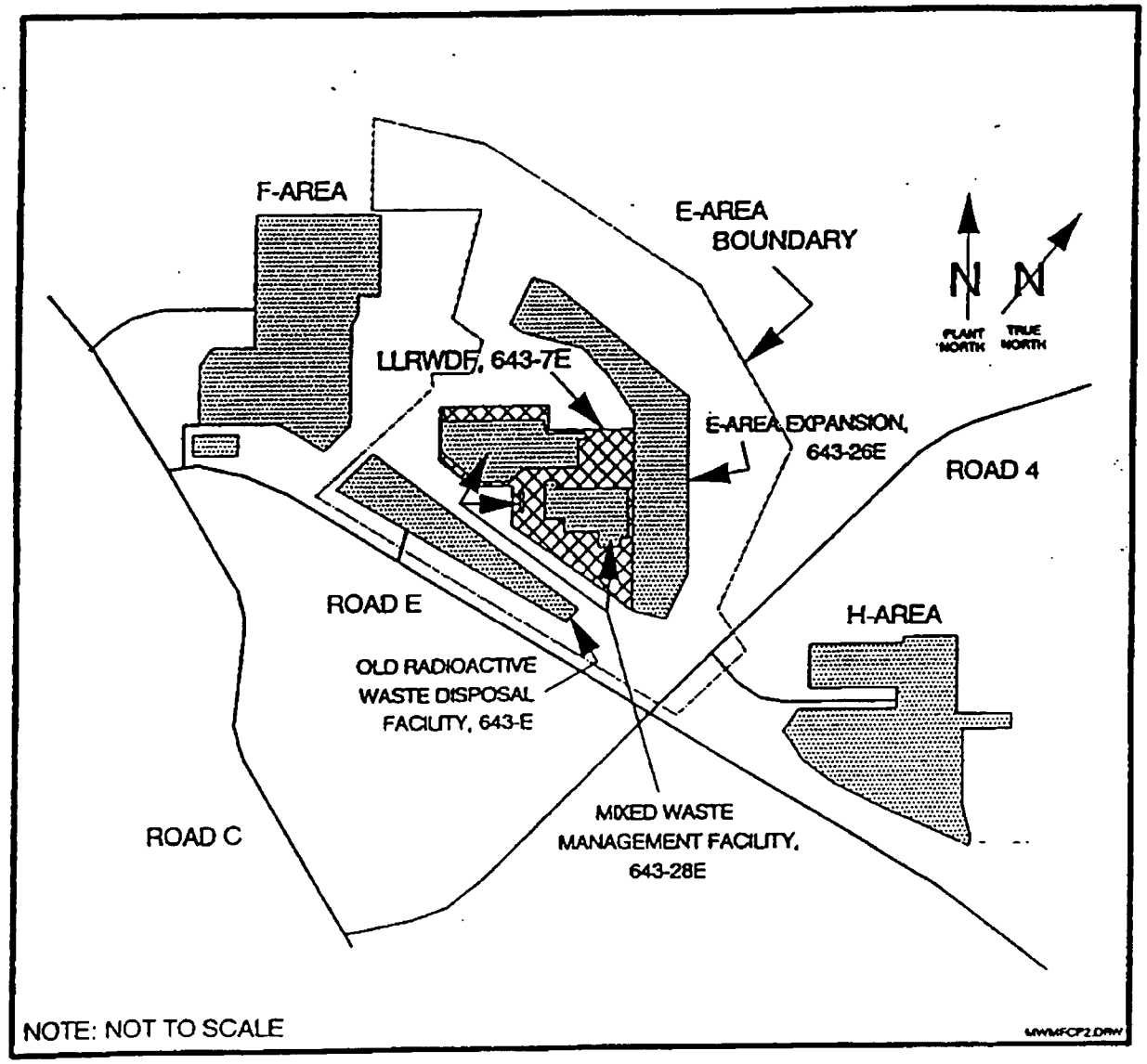
6.0 MAINTENANCE OF CLOSURE PLAN

A copy of the SCDHEC approved Interim Closure Plan will be kept at Building 724-7E until closure is completed.

7.0 THE LLRWDF CLOSURE

The area where the Solvent Storage Tanks are located is included in the LLRWDF portion of the Burial Ground Complex. The LLRWDF Closure consists of non-contiguous Engineered Low Level Trenches (ELLTs), and Trench Areas. LLRWDF is the area (643-7E) depicted in Figure 5. The requirements under RCRA and Settlement Agreement 91-51-SW between SCDHEC and DOE are the basis for the LLRWDF closure. The LLRWDF Closure Plan was submitted to SCDHEC in August 1993. This closure plan **has been** amended to include solvent tanks S23 through S32, with the exception of S31 which was never used, and has been excavated **and dispositioned**.

Figure 5
LLRWDF Location Map at E Area



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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C061
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a] : Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Schoen, NA, NA, 11/18/2011, NA	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR6, PR7, WS1, WS2, WS3, WS9, WS10, WS11	Throughout	Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present. Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S51 00) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream. Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information. To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream. The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached

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DATE REC'D 12-15-11

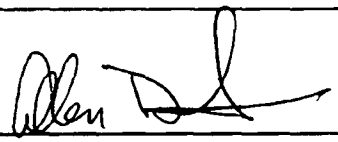
Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C061
AK # [b]	Source Doc. Page # [c]	*AK Information Summary*
		Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx"). From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson /  Date: 12/05/2011

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

C061

Letter to AK Record

Author: James M. Schoen
CCP AKE

Date: November 18, 2011
Telephone Number: 303-838-6552

Subject: Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B

Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present.

Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream.

Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information.

To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream.

The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx").

From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

C061

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.09%	0.00% - 7.20%	0.38%	0.00% - 2.97%	Yes
Pu-238	1.48%	0.00% - 11.97%	33.16%	0.00% - 91.09%	Yes
Pu-239	**3.27%**	0.00% - 77.74%	0.27%	0.00% - 43.98%	Yes
Pu-240	**94.65%**	22.24% - 99.25%	28.25%	1.99% - 67.67%	Yes
Pu-242	Not Reported				Yes[6]
U-233	Not Reported				No
U-234	Not Reported				No
U-238	Not Reported				No
Cs-137	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Sr-90	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Additional Radionuclides					
Am-243	0.13%	0.01% - 0.30%	0.03%	0.00% - 0.09%	Yes
Cm-244	0.35%	0.00% - 10.42%	37.22%	0.00% - 87.84%	Yes
Cm-245	Trace	0.00% - 0.01%	Trace	0.00% - 0.02%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Np-237	0.03%	0.00% - 9.27%	Trace	0.00% - 0.01%	Yes
Pu-241	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ra-226	Trace	Trace - 0.01%	0.60%	0.27% - 9.94%	Yes
U-235	0.00%	0.00%	0.00%	0.00%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy.

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	SR-90 g	Cs-137 g	Eu-154 g	Ra-226 g	U-235 g	Np-237 g	Pu-238 g	Pu-239 g	Pu-240 g	Am-241 g
SR108165	5.86E-08	9.19E-08	9.39E-09	5.09E-07	0.00E+00	0.00E+00	4.74E-04		9.08E-02	
SR108166	1.71E-08	2.68E-08	1.91E-09	4.16E-07	0.00E+00	0.00E+00	2.36E-04		5.84E-03	5.24E-04
SR108167	2.90E-08	4.54E-08		6.33E-07	0.00E+00	0.00E+00	2.21E-04		3.27E-02	
SR108169	2.79E-08	4.37E-08	1.57E-09	5.14E-07	0.00E+00	0.00E+00	4.06E-04		6.08E-03	
SR108170	1.59E-09	2.50E-09		6.07E-07	0.00E+00	0.00E+00	2.00E-04		7.16E-03	
SR108172	3.59E-09	5.63E-09		2.82E-07	0.00E+00	0.00E+00	1.42E-04		2.59E-03	
SR108173	3.34E-09	5.25E-09		6.08E-07	0.00E+00	0.00E+00		2.01E-02	5.75E-03	
SR108174	1.34E-07	2.10E-07	7.31E-09	5.31E-07	0.00E+00	0.00E+00	1.33E-03		3.22E-02	
SR108175	1.79E-08	2.80E-08	1.40E-09	6.22E-07	0.00E+00	0.00E+00	6.89E-04		1.38E-02	
SR108179	9.07E-09	1.42E-08	1.13E-09	4.12E-07	0.00E+00	0.00E+00	2.62E-04		3.47E-03	
SR108180	5.21E-09	8.17E-09	1.70E-09	1.47E-07	0.00E+00	0.00E+00	7.95E-04		9.92E-03	
SR89797	8.39E-10	1.32E-09		2.17E-07	0.00E+00	1.81E-04	8.10E-05		1.69E-03	
SR108168	1.13E-06	1.77E-06	6.07E-08		0.00E+00	0.00E+00	2.21E-03		3.52E-01	
SR108172A	5.34E-09	8.37E-09			0.00E+00	0.00E+00	1.13E-03		8.31E-03	
SR108171	1.02E-08	1.60E-08		5.46E-07	0.00E+00	0.00E+00	9.05E-04		9.65E-03	
SUM	1.45E-06	2.28E-06	8.51E-08	5.28E-06	0.00E+00	1.81E-04	9.08E-03	2.01E-02	5.82E-01	5.24E-04
Wt%	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**1.48%**	**3.27%**	**94.65%**	**0.09%**
NUCLIDE	**SR-90 Ci**	**Cs-137 Ci**	**Eu-154 Ci**	**Ra-226 Ci**	**U-235 Ci**	**Np-237 Ci**	**Pu-238 Ci**	**Pu-239 Ci**	**Pu-240 Ci**	**Am-241 Ci**
SR108165	8.09E-06	8.09E-06	2.51E-06	2.39E-04	0.00E+00	0.00E+00	8.20E-03	0.00E+00	2.09E-02	0.00E+00
SR108166	2.36E-06	2.36E-06	5.10E-07	1.96E-04	0.00E+00	0.00E+00	4.08E-03	0.00E+00	1.34E-03	1.82E-03
SR108167	4.00E-06	4.00E-06	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.82E-03	0.00E+00	7.52E-03	0.00E+00
SR108169	3.85E-06	3.85E-06	4.19E-07	2.42E-04	0.00E+00	0.00E+00	7.02E-03	0.00E+00	1.40E-03	0.00E+00
SR108170	2.19E-07	2.20E-07	0.00E+00	2.85E-04	0.00E+00	0.00E+00	3.46E-03	0.00E+00	1.65E-03	0.00E+00
SR108172	4.95E-07	4.95E-07	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.46E-03	0.00E+00	5.96E-04	0.00E+00
SR108173	4.61E-07	4.62E-07	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-03	1.32E-03	0.00E+00
SR108174	1.85E-05	1.85E-05	1.95E-06	2.50E-04	0.00E+00	0.00E+00	2.30E-02	0.00E+00	7.41E-03	0.00E+00
SR108175	2.47E-06	2.46E-06	3.74E-07	2.92E-04	0.00E+00	0.00E+00	1.19E-02	0.00E+00	3.17E-03	0.00E+00
SR108179	1.25E-06	1.25E-06	3.02E-07	1.94E-04	0.00E+00	0.00E+00	4.53E-03	0.00E+00	7.98E-04	0.00E+00
SR108180	7.19E-07	7.19E-07	4.54E-07	6.91E-05	0.00E+00	0.00E+00	1.38E-02	0.00E+00	2.28E-03	0.00E+00
SR89797	1.16E-07	1.16E-07	0.00E+00	1.02E-04	0.00E+00	1.29E-07	1.40E-03	0.00E+00	3.89E-04	0.00E+00
SR108168	1.56E-04	1.56E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	8.10E-02	0.00E+00
SR108172A	7.37E-07	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-02	0.00E+00	1.91E-03	0.00E+00
SR108171	1.41E-06	1.41E-06	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.57E-02	0.00E+00	2.22E-03	0.00E+00
SUM	2.01E-04	2.00E-04	2.27E-05	2.84E-03	0.00E+00	1.29E-07	1.57E-01	1.26E-03	1.34E-01	1.82E-03
Ci%	**0.04%**	**0.04%**	**0.00%**	**0.60%**	**0.00%**	**0.00%**	**33.16%**	**0.27%**	**28.25%**	**0.38%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Pu-241 g	Am-243 g	Cm-244 g	Cm-245 g	SUM		SR-90 Wt%	Cs-137 Wt%	Eu-154 Wt%
SR108165	0	8.35E-05	7.43E-04	4.41E-06	9.21E-02		0.00%	0.00%	0.00%
SR108166	0.00E+00	2.16E-05	6.58E-04		7.28E-03		0.00%	0.00%	0.00%
SR108167	0	2.53E-05			3.29E-02		0.00%	0.00%	0.00%
SR108169	0	1.87E-06	7.55E-04		7.24E-03		0.00%	0.00%	0.00%
SR108170	0	1.58E-05			7.38E-03		0.00%	0.00%	0.00%
SR108172	0	1.95E-06			2.73E-03		0.00%	0.00%	0.00%
SR108173	0	2.48E-06		3.30E-06	2.59E-02		0.00%	0.00%	0.00%
SR108174	0	6.61E-05			3.36E-02		0.00%	0.00%	0.00%
SR108175	0	1.31E-05			1.45E-02		0.00%	0.00%	0.00%
SR108179	0	4.89E-06			3.74E-03		0.00%	0.00%	0.00%
SR108180	0	1.46E-05			1.07E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	5.20E-07			1.95E-03		0.00%	0.00%	0.00%
SR108168	0.00E+00	5.56E-04			3.55E-01		0.00%	0.00%	0.00%
SR108172A	0.00E+00	2.58E-06			9.44E-03		0.00%	0.00%	0.00%
SR108171	0.00E+00	4.39E-06			1.06E-02		0.00%	0.00%	0.00%
SUM	0.00E+00	8.15E-04	2.16E-03	7.71E-06	6.15E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Wt%	**0.00%**	**0.13%**	**0.35%**	**0.00%**	**100.00%**	**MAX**	**0.00%**	**0.00%**	**0.00%**
NUCLIDE	**Pu-241 Ci**	**Am-243 Ci**	**Cm-244 Ci**	**Cm-245 Ci**			**SR-90 Ci%**	**Cs-137 Ci%**	**Eu-154 Ci%**
SR108165	0.00E+00	1.69E-05	6.08E-02	7.67E-07	9.01E-02		0.01%	0.01%	0.00%
SR108166	0.00E+00	4.36E-06	5.38E-02	0.00E+00	6.13E-02		0.00%	0.00%	0.00%
SR108167	0.00E+00	5.11E-06	0.00E+00	0.00E+00	1.17E-02		0.03%	0.03%	0.00%
SR108169	0.00E+00	3.78E-07	6.18E-02	0.00E+00	7.04E-02		0.01%	0.01%	0.00%
SR108170	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.40E-03		0.00%	0.00%	0.00%
SR108172	0.00E+00	3.94E-07	0.00E+00	0.00E+00	3.19E-03		0.02%	0.02%	0.00%
SR108173	0.00E+00	5.01E-07	0.00E+00	5.74E-07	2.87E-03		0.02%	0.02%	0.00%
SR108174	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.07E-02		0.06%	0.06%	0.01%
SR108175	0.00E+00	2.65E-06	0.00E+00	0.00E+00	1.54E-02		0.02%	0.02%	0.00%
SR108179	0.00E+00	9.88E-07	0.00E+00	0.00E+00	5.53E-03		0.02%	0.02%	0.01%
SR108180	0.00E+00	2.95E-06	0.00E+00	0.00E+00	1.61E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	1.05E-07	0.00E+00	0.00E+00	1.89E-03		0.01%	0.01%	0.00%
SR108168	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-01		0.13%	0.13%	0.01%
SR108172A	0.00E+00	5.21E-07	0.00E+00	0.00E+00	2.15E-02		0.00%	0.00%	0.00%
SR108171	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.81E-02		0.01%	0.01%	0.00%
SUM	0.00E+00	1.65E-04	1.76E-01	1.34E-06	4.74E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.00%**	**0.03%**	**37.22%**	**0.00%**	**100.00%**	**MAX**	**0.13%**	**0.13%**	**0.01%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Ra-226 Wt%	U-235 Wt%	Np-237 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Am-241 Wt%	Pu-241 Wt%
SR108165	0.00%	0.00%	0.00%	0.51%	0.00%	98.58%	0.00%	0.00%
SR108166	0.01%	0.00%	0.00%	3.24%	0.00%	80.22%	7.20%	0.00%
SR108167	0.00%	0.00%	0.00%	0.67%	0.00%	99.25%	0.00%	0.00%
SR108169	0.01%	0.00%	0.00%	5.61%	0.00%	83.94%	0.00%	0.00%
SR108170	0.01%	0.00%	0.00%	2.71%	0.00%	97.07%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%	5.19%	0.00%	94.72%	0.00%	0.00%
SR108173	0.00%	0.00%	0.00%	0.00%	77.74%	22.24%	0.00%	0.00%
SR108174	0.00%	0.00%	0.00%	3.96%	0.00%	95.84%	0.00%	0.00%
SR108175	0.00%	0.00%	0.00%	4.75%	0.00%	95.15%	0.00%	0.00%
SR108179	0.01%	0.00%	0.00%	7.01%	0.00%	92.85%	0.00%	0.00%
SR108180	0.00%	0.00%	0.00%	7.41%	0.00%	92.45%	0.00%	0.00%
SR89797	0.01%	0.00%	9.27%	4.15%	0.00%	86.55%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	0.62%	0.00%	99.22%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	11.97%	0.00%	88.01%	0.00%	0.00%
SR108171	0.01%	0.00%	0.00%	8.57%	0.00%	91.38%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**22.24%**	**0.00%**	**0.00%**
Wt%	**0.01%**	**0.00%**	**9.27%**	**11.97%**	**77.74%**	**99.25%**	**7.20%**	**0.00%**
NUCLIDE	**Ra-226 Ci%**	**U-235 Ci%**	**Np-237 Ci%**	**Pu-238 Ci%**	**Pu-239 Ci%**	**Pu-240 Ci%**	**Am-241 Ci%**	**Pu-241 Ci%**
SR108165	0.27%	0.00%	0.00%	9.10%	0.00%	23.17%	0.00%	0.00%
SR108166	0.32%	0.00%	0.00%	6.66%	0.00%	2.19%	2.97%	0.00%
SR108167	2.55%	0.00%	0.00%	32.80%	0.00%	64.53%	0.00%	0.00%
SR108169	0.34%	0.00%	0.00%	9.97%	0.00%	1.99%	0.00%	0.00%
SR108170	5.29%	0.00%	0.00%	64.12%	0.00%	30.52%	0.00%	0.00%
SR108172	4.16%	0.00%	0.00%	77.10%	0.00%	18.70%	0.00%	0.00%
SR108173	9.94%	0.00%	0.00%	0.00%	43.98%	46.01%	0.00%	0.00%
SR108174	0.81%	0.00%	0.00%	74.91%	0.00%	24.11%	0.00%	0.00%
SR108175	1.90%	0.00%	0.00%	77.43%	0.00%	20.62%	0.00%	0.00%
SR108179	3.50%	0.00%	0.00%	81.99%	0.00%	14.44%	0.00%	0.00%
SR108180	0.43%	0.00%	0.00%	85.38%	0.00%	14.16%	0.00%	0.00%
SR89797	5.39%	0.00%	0.01%	74.05%	0.00%	20.54%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	31.96%	0.00%	67.67%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	91.09%	0.00%	8.91%	0.00%	0.00%
SR108171	1.41%	0.00%	0.00%	86.33%	0.00%	12.24%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.99%**	**0.00%**	**0.00%**
Ci%	**9.94%**	**0.00%**	**0.01%**	**91.09%**	**43.98%**	**67.67%**	**2.97%**	**0.00%**

Container ID	Am-243 Wt%	Cm-244 Wt%	Cm-245 Wt%
SR108165	0.09%	0.81%	0.00%
SR108166	0.30%	9.04%	0.00%
SR108167	0.08%	0.00%	0.00%
SR108169	0.03%	10.42%	0.00%
SR108170	0.21%	0.00%	0.00%
SR108172	0.07%	0.00%	0.00%
SR108173	0.01%	0.00%	0.01%
SR108174	0.20%	0.00%	0.00%
SR108175	0.09%	0.00%	0.00%
SR108179	0.13%	0.00%	0.00%
SR108180	0.14%	0.00%	0.00%
SR89797	0.03%	0.00%	0.00%
SR108168	0.16%	0.00%	0.00%
SR108172A	0.03%	0.00%	0.00%
SR108171	0.04%	0.00%	0.00%
SUM	**0.01%**	**0.00%**	**0.00%**
Wt%	**0.30%**	**10.42%**	**0.01%**
NUCLIDE	**Am-243 Ci%**	**Cm-244 Ci%**	**Cm-245 Ci%**
SR108165	0.02%	67.43%	0.00%
SR108166	0.01%	87.84%	0.00%
SR108167	0.04%	0.00%	0.00%
SR108169	0.00%	87.69%	0.00%
SR108170	0.06%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%
SR108173	0.02%	0.00%	0.02%
SR108174	0.04%	0.00%	0.00%
SR108175	0.02%	0.00%	0.00%
SR108179	0.02%	0.00%	0.00%
SR108180	0.02%	0.00%	0.00%
SR89797	0.01%	0.00%	0.00%
SR108168	0.09%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%
SR108171	0.00%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.09%**	**87.84%**	**0.02%**

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: M050

Waste Stream Number(s): SRS-CH-LIBRARY-01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☐ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☐ DR - Discrepancy Resolution
☑ Additional Information	☑ M - Miscellaneous
	☐ P - Procedures
	☐ U - Unpublished Documents

Title or Description of Source Document [a]: Burial Ground Records

Source Document Reference Information (author(s), document and revision number, date, publisher): Document Number: NA, Revision: NA, 1975 through 1980

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS2 WS8 WS9 S4 S15	Throughout	Burial Ground Records for Buildings 321-M and 322-M.

Source Document Data Limitations (if any):

1. Best Available Copy

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 11/13/2013

Print

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

OSR 7-375A
(Rev 11-73)

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1
FILE SEQUENCE NO.: 505375
DATE SHIPPED: 11 17 77
SHIPPED FROM BLDG: 3 2 2
AREA: 16

VARIETY CONT (1): 8 2
TOTAL QUANTITY (1): 3 1 0 0
ISOTOPIC QUANTITY (1):
UNIT ONE: G
VARIETY CONT (2):
QUANTITY (2):
UNIT TWO:
TYPE CODE: 1

COMB CODE: C
VOLUME: 7
COMPACTED VOLUME:
DESCRIPTION: GLOVE BOX WASTE

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 30 (1): < 1 mrem/h
CURIES ESTIMATED BY:
BODY RATE TO UNLOAD: 2 mrem/hr
BODY RATE IN CAB: 1 mrem/hr
CUSTODIAN (AUTHORIZATION FOR BURIAL):
SURVEYED BY: Jim Bowers
DATE AUTHORIZED:

REMARKS:
322 M GLOVEBOX WASTE
COMM PAD STORAGE
< 0.5 curies no calculation
Sheet required.

T & T

TRANSPORTED BY: Mag
VEHICLE NO.: 7346

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2
FILE SEQUENCE NO.: 505375
DATE BURIED: 1 1 1 7 7 7
BURIAL LOCATION X COORDINATE: W 0 5 1 8
BURIAL LOCATION Y COORDINATE: E 2 8 5 8 6
BURIAL CONTAINER NUMBER:
PET NUMBER PREFIX:
PET NUMBER SERIAL NUMBER:
REMARKS AND DESCRIPTION:
DESCRIPTION, CONT'D:

M024

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 500174 | DATE SHIPPED: 05 08 75 | SHIPPED FROM BLDG.: 321 M

VARIETY CODE: 41 | TOTAL QUANTITY (1): 160 | ISOTOPIC QUANTITY (1): 160 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 2

CONTAINER CODE: C 7 | VOLUME: | COMPACTED VOLUME: | DESCRIPTION: MK 41 PM WASTE OIL

HEALTH PHYSICS SURVEY DATA	RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY	T & T
BODY RATE TO (UNLOAD)	BODY RATE IN CAB	CUSTODIAN OF INFORMATION FOR BURIAL	TRANSPORTED BY
SURVEYED BY		DATE AUTHORIZED	VEHICLE NO.
		5/7/75	2347

REMARKS

One 55 gal drum zinc coated liner

CURIE CONTENT - 27 ^{238}Pu

N 05.26

E 26.95

Operational Loss - Uneconomical to Recover

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 500174 | DATE BURIED: 05 08 75 | X COORDINATE: XXXXXX

BURIAL LOCATION Y COORDINATE: XXXXXX | BURL CODE: 4 | CONTAINER NUMBER: 142 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION:

DESCRIPTION, CONTD:

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 500175 | DATE SHIPPED: 8 5 | 8 2 5 | SHIPPED FROM (BLDG.): 3 2 1 | AREA: M

VOLUME CODE: C | TOTAL QUANTITY (1): 1 6 0 | VOLUME: 2 1. | COMPACTED VOLUME: | ISOTOPIC QUANTITY (1): 1 6 0 | UNIT: G | VARIETY CODE (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

DESCRIPTION: AC 41 PU WASTE

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY AT 1": 1 mR/hr

BODY RATE TO UNIFORM: 1 mR/hr

BODY RATE IN CAB: 1 mR/hr

SURVEYED BY: [signature]

CURIES ESTIMATED BY: S. D. Lee

CUSTODIAN AUTHORIZATION FOR BURIAL: [signature]

DATE AUTHORIZED: 5/7/75

T & T

TRANSPORTED BY: Graham

VEHICLE NO.: 2347

REMARKS

Three 55 gal drums, zinc coated / liner

CONTAINS 27 Ci OF Pu (3 DRUMS)

Pu 238

Operational Loss - Uneconomical to Recover

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 500175 | DATE BURIED: 0 5 | 0 8 | 7 5 | BURIAL LOCATION X COORDINATE: X X X X X X

BURIAL LOCATION Y COORDINATE: Y Y Y Y Y Y | BURIAL CODE: 4 | CONTAINER NUMBER: 1 4 2 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION: A 6 5 0 • 1 A N D

DESCRIPTION, CONT'D: • 2

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CODE 01 | 505375 | 11 | 1/7/77 | BLDG 322 | AREA M

VARIETY CONT (1): 82 | TOTAL QUANTITY (1): 3100 | ISOTOPIC QUANTITY (1): | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: C | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: GLOVEBOX

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 30 ft: <1 mrem/h

CURIES ESTIMATED BY: C D Dawson

BODY RATE TO UNLOAD: 2 mrem/hr

BODY RATE IN CAB: 1 mrem/hr

CUSTODIAN (AUTHORIZATION FOR BURIAL): A Fletcher

SURVEYED BY: Jim Bowen

DATE AUTHORIZED: 10/25/77

T & T

TRANSPORTED BY: O Mays

VEHICLE NO.: 2346

REMARKS

322M GLOVEBOX WASTE
COMB PAD STORAGE.
<0.15 Curies no calculation
sheet required.
Posted

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 505375 | DATE BURIED: 1/17/77 | BURIAL LOCATION X COORDINATE: N05.18

BURIAL LOCATION Y COORDINATE: E28.586 | BURL CODE | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONT'D

Stores: 26-10785.00

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD (ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508802 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00.336	00.292	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		Tube FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY
< 1 mR/h	J.D. Flake
BODY RATE TO (UN)LOAD	**BODY RATE IN CAB**
1 mR/h	1 mR/h
SURVEYED BY	**DATE AUTHORIZED**
J.D. Flake	5-7-80

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.D. Flake — Authorized Signature

5-7-80 — Date

2003 — Telephone No.

PHA # 5 & 6 (Reed)

T & T

TRANSPORTED BY: OH Stephens

VEHICLE NO.: 2346

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

- WHITE – SHIPPER TO RECEIVER
- GREEN – SHIPPER TO ACCOUNTABILITY
- BUFF – SHIPPER TO RECEIVER, TO SHIPPER
- BLUE – SHIPPER RETAINS
- PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508802 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.17	6				

DESCRIPTION, CONTD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508804 | DATE SHIPPED: 050880 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00189 | ISOTOPIC QUANTITY (1): 00151 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME:

DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mr/h

BODY RATE TO (UN)LOAD: 1mr/h

BODY RATE IN CAB: 1mr/h

SURVEYED BY: D Bryan

CURIES ESTIMATED BY: J.B. Flake

CUSTODIAN (AUTHORIZATION FOR BURIAL): J.B. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.D. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.B. Flake — Authorized Signature

5-7-80 — Date

2003 — Telephone No.

PHA #'s 11, 14 & 15 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508804 | DATE BURIED: 050880 | BURIAL LOCATION X COORDINATE: N08.07

BURIAL LOCATION Y COORDINATE: E29.176 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX / SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD

(ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508805 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00212 | ISOTOPIC QUANTITY (1): 00170 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 FT: <1 mR/h

BODY RATE TO TUNILOAD: 1 mR/h

BODY RATE IN CAB: 1 mR/h

SURVEYED BY: J. R. Bynum

CURIES ESTIMATED BY: J. D. Flake

CUSTODIAN AUTHORIZATION FOR BURIAL: J. D. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O. W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J. D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA #s 1 & 12 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508805 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.08

BURIAL LOCATION Y COORDINATE: E29.17 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508806 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00435	00348	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY
<1mR/h	J. D. Flake
BODY RATE TO (UN)LOAD	**BODY RATE IN CAB**
1mR/h	1mR/h
SURVEYED BY	**CUSTODIAN (AUTHORIZATION FOR BURIAL)**
J. R. Beason	J. D. Flake
	DATE AUTHORIZED 5-2-80

T & T

TRANSPORTED BY: O D Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J. D. Flake — Authorized Signature

5-2-80 — Date

2003 — Telephone No.

PHA #'s 9, 10, 13 & 14 (BEASON)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508806 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.08

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.16	6				

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508807 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00128 | ISOTOPIC QUANTITY (1): 00102 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME:

DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/hr

CURIES ESTIMATED BY: J.D. Flake

BODY RATE TO (UN)LOAD: 1mR/hr

BODY RATE IN CAB: 1mR/hr

CUSTODIAN AUTHORIZATION FOR BURIAL: J.D. Flake

SURVEYED BY: J.A. Bynum

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-EH-40.

J.D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA # 9 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508807 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE: E29.176 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 508808 | DATE SHIPPED: 050880 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00519 | ISOTOPIC QUANTITY (1): 00415G | UNIT ONE | VARIETY CONT (2) | QUANTITY (2) | UNIT TWO | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME | DESCRIPTION: TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mr/hr

BODY RATE TO (UN)LOAD: 1mr/hr

BODY RATE IN CAB: 1mr/hr

SURVEYED BY: J.A. Byers

CURIES ESTIMATED BY: J.D. Flake

CUSTODIAN (AUTHORIZATION FOR BURIAL): J.D. Flake

DATE AUTHORIZED: 5-7-80

T & T

TRANSPORTED BY: O.D. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

J.D. Flake
Authorized Signature

5-7-80
Date

2003
Telephone No.

PHA #'s 7 & 10 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 508808 | DATE BURIED: 050880 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE: E29.17 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 508809 | DATE SHIPPED: 05 08 80 | SHIPPED FROM BLDG: 321 | AREA: M

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
50	00125	00098	G				1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		TUBE FABRICATION

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/h

CURIES ESTIMATED BY: T.D. Flake

BODY RATE TO (UN)LOAD: 1mR/h

BODY RATE IN CAB: 1mR/h

CUSTODIAN AUTHORIZATION FOR BURIAL: T.D. Flake

SURVEYED BY: J.H. Bryan

DATE AUTHORIZED: 5-2-80

T & T

TRANSPORTED BY: O.W. Stephens

VEHICLE NO.: 2346

REMARKS

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

T.D. Flake — Authorized Signature

5-2-80 — Date

2003 — Telephone No.

PHA #8 (Reed)

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE - SHIPPER TO RECEIVER
GREEN - SHIPPER TO ACCOUNTABILITY
BUFF - SHIPPER TO RECEIVER, TO SHIPPER
BLUE - SHIPPER RETAINS
PINK - SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 508809 | DATE BURIED: 05 08 80 | BURIAL LOCATION X COORDINATE: N08.09

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E29.176	6				

DESCRIPTION, CONTD

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 515740 | DATE SHIPPED: 06/19/80 | SHIPPED FROM BLDG: 321 AREA: M

VARIETY CONT (1): 50 | TOTAL QUANTITY (1): 00083 | ISOTOPIC QUANTITY (1): 00067 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 1

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: TUBE FABRICATION

HEALTH PROTECTION SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1mR/h

CURIES ESTIMATED BY: [signature]

BODY RATE TO (UN)LOAD: 1mR/h

BODY RATE IN CAB: 1mR/h

CUSTODIAN (AUTHORIZATION FOR BURIAL): [signature]

SURVEYED BY: [signature]

DATE AUTHORIZED: 6-5-80

T & T

TRANSPORTED BY: OMI

VEHICLE NO.: 2346

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

[signature] — AUTHORIZED SIGNATURE | 6-5-80 — DATE | 2003 — TELEPHONE NO.

1. Authorized signatures & Health Protection Survey Data must be filed in prior to movement of waste.
2. Each container must be identified as to contents and radioactivity.

REMARKS: PHA #s 16817

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 515740 | DATE BURIED: 06/19/80 | BURIAL LOCATION X COORDINATE: N07.76

BURIAL LOCATION Y COORDINATE: E28.72 | BURL CODE: 6 | CONTAINER NUMBER | PET NUMBER: PREFIX | SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P166
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16, -18, -20 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Decomissioning Scoping Document, Building 321-M, Fuel Fabrication Facility	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, G-PCOR-M-00001, Revision 1, February 18, 2004	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, WS2, WS4, WS8, WS9, WS11, WS12	Throughout	This document provides the following information: Physical description and condition of the 321-M Fuel Fabrication Facility, including: - description of the systems and components of the facility - description of the interfaces and boundaries - facility history - deactivation history - surveillance and maintenance history - condition summary - safety basis End State Objective of the Project, including: - physical configuration - cleanliness criteria - interface with soil and ground water closure project Feasible Range of Baselines including: - preliminary technical scope range - preliminary cost range - preliminary schedule range General Approach to Project the Environment General Approach to Protect Worker Safety and Health Readiness Evaluations The table beginning on page 7 of the document addresses the following specific hazardous constituents:

CCP RECORDS ORIGINAL
DATE REC'D 11-16-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: P166
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		-1411 grams of HEU (U-235) holdup -"residual contamination (approx 13,200 ft. sq.)" -friable asbestos pipe insulation (rad and non-rad) -transite siding and wall panels -asbestos floor tiles -beryllium dust on the magnaformer -16 lead sheets for shielding -trace amounts of 241-Pu, 241-Am, 237-Np, and 137-Cs -caustic process solution -acid process solution -RCRA waste (degreaser tanks and still) -equipment painted with PCBs -light ballasts with PCBs -paint with chromium

Source Document Data Limitations (If any):

1. None.

Acceptable Knowlege Expert:

Jason Montoya / [signature] Date: 7/16/12

Print /Sign

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

Decommissioning Scoping Document

Building 321-M, Fuel Fabrication Facility

February 18, 2004

Revision 1

ENGINEERING DOC. CONTROL-SRS
00758765

Prepared by: _____ Date: 2/19/2004
J. L. Cope, Project Engineer

Approved: _____ Date: 2/25/04
D. W. Freeman,
Environmental, Safety &
Health Program Manager

Approved: _____ Date: 2-25-04
J. C. Gilmour,
Manager Engineering Programs
Site D&D, Closure Business Unit

Approved: _____ Date: 2/23/04
G. M. Fussell, Project Manager

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC &
Reviewing
Official _____
(Name and Title)
Date: 2/26/04

SRS™

Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

Document Revision History

Date	*Rev*	*Pg/Ref*	*Description of Changes*
12/01/03	0	All	Initial Issue
02/18/04	1	4/1.01 7/1.05 11/2.03 12/3.02 12/3.03 12/4.0	Changed wording to reflect "two CERCLA Site Evaluation Areas", throughout.
		4/1.01	Changed third and fourth sentence of second paragraph.
		5/1.04	**Project Interfaces** Combined first and second paragraph with deletion/changes. Original third paragraph is currently the second paragraph with changes. Original fourth paragraph is currently the third paragraph. Changed wording to "Western Sector Dynamic Underground Stripping...".
		7/1.05	Changed second paragraph, second and third sentence, entirely.
		10/1.08	Changed third paragraph, entirely.
		11/2.01	Changed first paragraph, second sentence. Added "words within or a part of the facility structure...".
		11/2.01 11/2.03	Deleted second and third paragraph, respectively; and inserted summary statement that SGCP would approve soil disturbances.
		12/4.0	Changed first paragraph, entirely.
		16 & 17 /8.01	Added narrative of spill results for RMI-89-12 and RMI-81-11-26.

Table of Contents

1.0 PHYSICAL DESCRIPTION AND CONDITION 4

1.01. STRUCTURES 4

1.02. SYSTEMS 4

1.03. COMPONENTS 5

1.04. INTERFACES AND BOUNDARIES 5

Physical Connections 5
Project Interfaces 5

1.05. FACILITY HISTORY 7

1.06. DEACTIVATION HISTORY 7

1.07. SURVEILLANCE AND MAINTENANCE HISTORY 10

1.08. CONDITION SUMMARY 10

1.09. SAFETY BASIS 10

2.0 END STATE OBJECTIVE OF THE PROJECT 11

2.01. PHYSICAL CONFIGURATION 11

2.02. CLEANLINESS CRITERIA 11

2.03. INTERFACE WITH SOIL AND GROUNDWATER CLOSURE PROJECT (SGCP) 11

3.0 FEASIBLE RANGE OF BASELINES 12

3.01. PRELIMINARY TECHNICAL SCOPE RANGE 12

3.02. PRELIMINARY COST RANGE 12

3.03. PRELIMINARY SCHEDULE RANGE 12

4.0 GENERAL APPROACH TO PROTECT THE ENVIRONMENT 12

5.0 GENERAL APPROACH TO PROTECT WORKER SAFETY AND HEALTH 13

6.0 READINESS EVALUATIONS 13

7.0 REFERENCES 14

8.0 ATTACHMENTS 15

8.01. ATTACHMENT 1 - 321-M FACILITY SPILLS SUMMARY TABLE 16

1.0 PHYSICAL DESCRIPTION AND CONDITION

The physical features of the facility, the boundaries and important subdivisions of the facility and the major components of the 321-M Fuel Fabrication Facility are defined in the following sections. See Figure 1 for the facility layout prior to deactivation.

1.01. Structures

The 321-M Fuel Fabrication Facility is a rectangular (approximately 430 ft. by 140 ft.) structure with 60,200 square feet of floor space, three quarters being one story (14ft.) and the remainder being a high bay area (28ft.) It is constructed with a concrete floor and foundation, structural steel framing and transite siding and wall panels. The interior walls of the process areas are steel plate. All other interior walls are a combination of hardboard (from the floor up to four feet) and then transite to the ceiling. In addition, a reinforced concrete and steel vault stored U-235 for processing into fuel rods and housed a borated concrete block "honeycomb" designed to store the completed enriched fuel rods in a critically safe geometry.

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466). These two CERCLA Site Evaluation Areas are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. There is also a pit in the Old Tube Cleaning Room, which was cleaned and filled with concrete in 1985.

In addition to the facility itself, the following ancillary structures are included in the scope of the decommissioning project:

- exterior stairs to the facility roof attached to the east side
- storm drain pump pit forty feet from the northwest corner
- electrical panel boxes thirty feet to the south of the southwest corner
- telephone disconnect box twenty feet from the east side
- 352-4M secondary transformer station forty feet from the east side

1.02. Systems

The installed non-contaminated facility systems, including power, water, sewer, steam, acid and caustic supply, and HVAC will be terminated as part of the deactivation project. These services will be cut, capped, or otherwise physically isolated such that the portions within 321-M will be de-energized but otherwise left intact within the facility.

The 321-M Deactivation Project has removed the installed contaminated process systems including process ventilation system components within and external to the facility. The deactivation project installed temporary power and lighting, portable bathroom facilities and a temporary hut for size reduction and waste handling activities. The hut is to be removed at the completion of the deactivation project. The deactivation project will address the removal of the security link for the facility and the isolation of the process, sanitary and storm sewers from the facility.

1.03. Components

The installed facility process and process support components (contaminated and non-contaminated) have been removed. This includes the facility process ventilation blowers, filter banks and ductwork, the operating floor equipment, and the process equipment from the casting, machining, component cleaning and tube cleaning rooms. Process support components including scales, glove boxes, storage racks, and materials handling equipment were also removed. Non-process components including HVAC ductwork, motor control centers (MCCs), electrical cabinets and panels and the high-bay bridge crane remain and will be demolished with the facility.

1.04. Interfaces and Boundaries

The 321-M facility is located on the western edge of M-Area approximately one mile from the northern site boundary. There are three major facilities that surround it; the 315-M Radiological Operations Support Center (ROSC) is located 100 feet to the north, the 322-M Metallurgical Laboratory was located 50 feet to the east and the 341-M Dilute Effluent Treatment Facilities (DETF) are located 100 feet to the south.

Physical Connections

The 321-M facility has been physically isolated from the balance of the M-Area with the exception of:

- 324-M, the Vertical Press Building, 321-M is connected to this facility via an enclosed passageway 20ft. wide by 11ft. tall by 54ft. long and is a separate decommissioning project
- storm drain system (three connections)
- domestic sewer system (two connections)
- process sewer (six connections)

The electric power that was fed to the facility from electrical substations 351-1M, 352-4M, 352-6M, 352-7M and 352-8M, has been disconnected as part of the deactivation. Temporary power is being provided to the facility to support decommissioning.

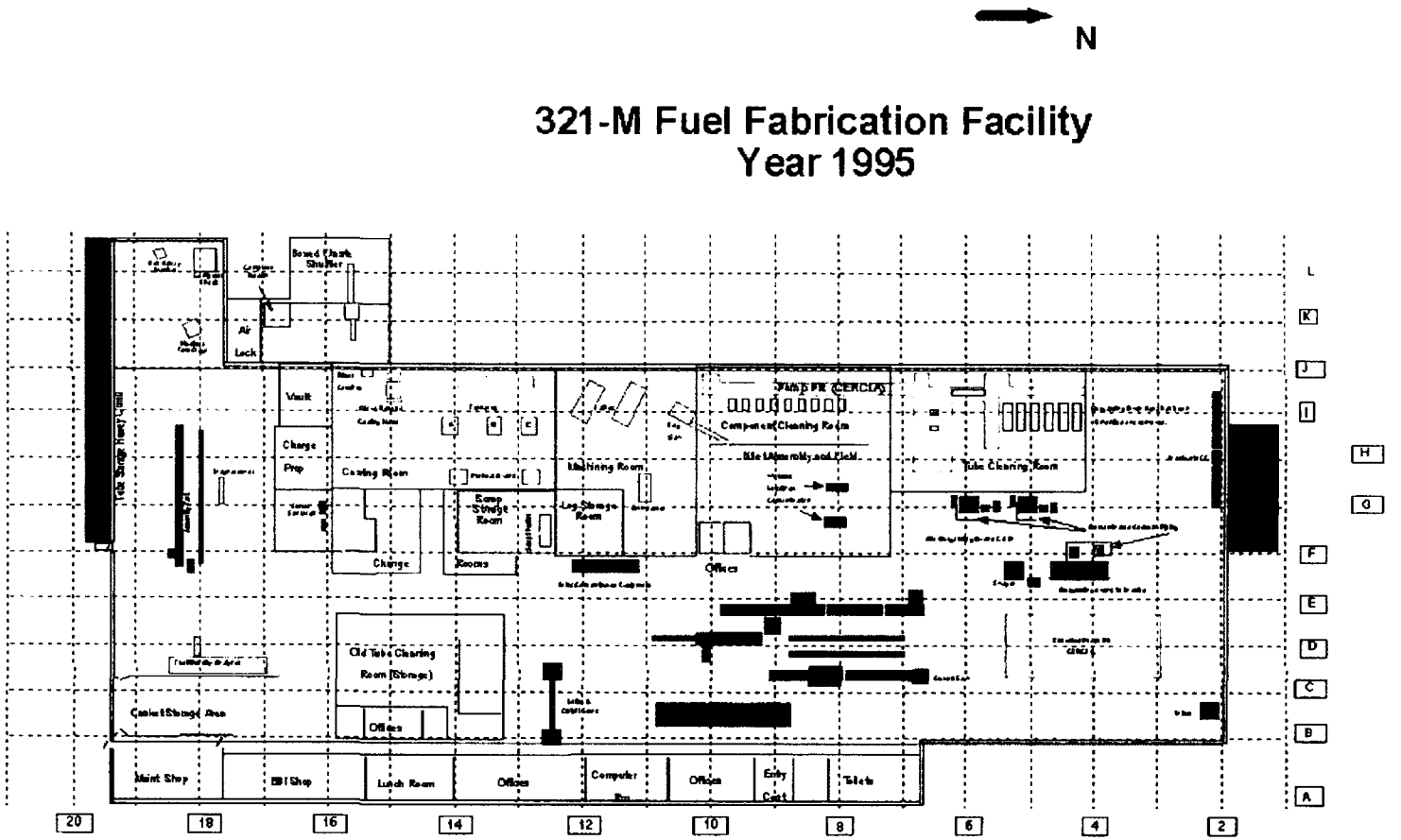
Project Interfaces

The Soil and Groundwater Closure Projects (SGCP) continues to characterizes the soil in the vicinity of 321-M as part of the M-Area Inactive Process Sewer Line (MIPSL) Project. The subject process sewer system contains a 30 inch vitrified pipe (VP) that runs parallel to 321-M on its west side and is fed by six 4 inch to 6 inch VP lines from the facility. The soil samples are being taken immediately adjacent to the 30" VP where the smaller lines connect. Decommissioning Project activities on the exterior of the facility on this side are to be coordinated with the SGCP to prevent having any impact on the soil.

The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. The 321-M Decommissioning Project will coordinate and integrate its removal actions for the pits with SGCP.

Also, an eight inch steam line was installed during October 2003 twenty feet from the north end of 321-M to support the Western Sector Dynamic Underground Stripping project for the M-Area runoff basin. This line is located at a sufficient distance from and at such an orientation to the facility that precludes interference problems.

Figure 1 - 321-M Pre-Deactivation



1.05. Facility History

The 321-M Fuel Fabrication Facility was designed and built in 1956/1957 to manufacture aluminum clad fuel elements for the production reactors i.e. enriched uranium fuel assemblies, lithium-aluminum target tubes and neptunium. It was shutdown and declared excess in 1994.

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466) which are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods.

During the operation of the facility, four spills of hazardous material occurred. One of the spills involved the caustic solution used to clean the billets. The other three spills involved 1-1-1-trichlorethane use to degrease the extruded rods. Actions were taken at the time of their occurrence to address each spill. See Attachment 1 for details of the spills.

The facility was identified by the SC Department of Archives and History as a historical site. In accordance with the MOA between FDP and DOE, stipulations 1, 2, 3, 4a, and 5 of the MOA have been met and were documented accordingly (see Reference 1).

1.06. Deactivation History

When the facility was originally shutdown in 1994 and declared excess, a facility Transition Plan (Reference 2) was prepared and implemented. See Figure 2 for the post-deactivation facility layout. This plan de-inventoried the fuel and target material in the facility and the following actions were taken to minimize the environmental threats:

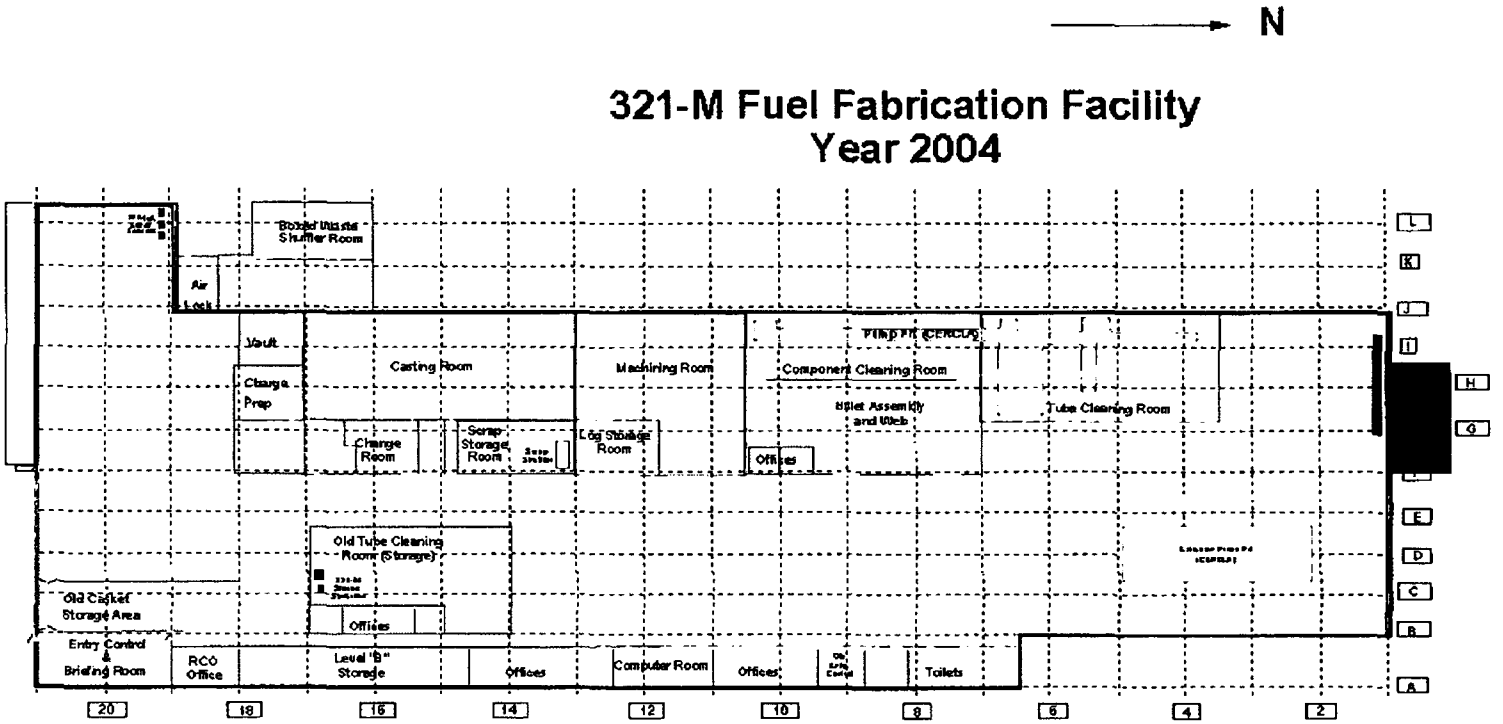
- The tanks for the solvent, the sodium hydroxide and the nitric acid in Tube Cleaning Room and the Component Cleaning Room were drained and flushed
- The nitric acid waste line and the sodium hydroxide waste line were drained and flushed
- The chemical tanks on the exterior of the west side of 321-M and the associated piping were drained, flushed and removed
- The Freon supply lines to the lathes, the core cleaning station and the cutoff saw were drained and purged

In 1998, an extensive deactivation (see References 3 & 4) of the facility began which focused on the removal of the hazards in the facility. The status of this hazard removal is as follows:

1411 grams of HEU (U-235) holdup	Complete
Residual contamination (approx 13,200 ft. sq.).	Decommissioning Scope
Friable asbestos pipe insulation (radiologically contaminated and non-contaminated)	Decommissioning Scope
Transite siding and wall panels	Decommissioning Scope
Asbestos floor tiles	Decommissioning Scope

Beryllium dust on the Magnaformer	Complete
16 Lead sheets (0.25in. x 4ft. x 6ft.) for shielding	Complete
Trace amounts of 241-Pu, 241-Am, 237-Np, and 137-Cs in process equipment	Complete
Caustic process solution	Complete
Acid process solution	Complete
RCRA waste (degreaser tanks and still)	Complete
Equipment painted with PCBs	Complete
Light ballasts with PCBs	Complete
Paint with chromium	Decommissioning Scope

Figure 2 - 321-M Post-Deactivation



1.07. Surveillance and Maintenance History

After the termination of the 321-M production mission, the facility went through transition (Reference 2) which de-inventoried the fuel and target material in the facility and removed hazardous process materials to minimize the environmental threats. With the exception of as-need inspections and maintenance to support deactivation activities, there are no ongoing Surveillance and Maintenance activities.

1.08. Condition Summary

The 321-M facility is in the final stage of an aggressive deactivation, which included the removal of process and process support systems and other components known to have HEU hold-up or to be radiologically contaminated. Support systems such as power, water, steam and HVAC have been removed from service permanently. Existing power, water, and sanitary facilities are temporary only. The security link that is routed through the 321-M security facility is still "live" but will be removed as part of deactivation.

Chemical contaminants such as lead bricks and sheets, leaded oils, light ballasts containing PCB's, have been removed. Transite siding, an asbestos containing material (ACM) has not been removed from the interior or exterior of the facility. Pipe insulation on the facility piping systems remains and contains friable ACM. Floor tile remaining in the facility (generally in the east side office/administrative section) is also considered to be ACM.

As noted in section 1.05 above, The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the potential release of spent halogenated solvents that were used as degreasers to clean the billets and fuel rods. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press.

The facility structure remains intact largely the way it did during operation and as described in section 1.01 above. To be specific, the walls, roof and floor slab have not been demolished or removed with the exception of the removal of minor interior non-load bearing office walls and partitions. There are various roof leaks throughout the facility.

The majority of the facility (47,000 sq. ft) is non-contaminated. The remainder of the facility (13,200 sq. ft.) has contamination ranging from less than 1000 dpm/100 sq cm alpha to 60,000 dpm/100 sq cm alpha and from less than 1000dpm/100sq cm beta-gamma to 8,000 dpm/100sq cm beta-gamma.

1.09. Safety Basis

Deactivation activities removed the existing inventory of Enriched Uranium to levels that allowed the facility to be reclassified as "Other Industrial" (Reference 5) and no additional safety basis documentation is in effect.

2.0 END STATE OBJECTIVE OF THE PROJECT

The following constitutes the end state vision for the proposed decommissioning project.

2.01. Physical Configuration

The end state consists of removing the radiological and chemical contamination within or a part of the facility structure to acceptable limits, the filling in of the pits with concrete, and the demolition and removal of the facility to the slab. The in-slab lines into and out of the facility will be plugged to preclude accidental intrusion and the caustic waste and acid waste lines will be removed from the structure back to the pipe rack.

Due to the close proximity of the MIPSL Operable Unit, disturbance of the surrounding grounds will be only as determined by the Soil and Groundwater Closure Projects.

2.02. Cleanliness Criteria

The end state consists of removing the facilities and associated infrastructure identified in Section 1.01 to the slab and pits, which will be decontaminated to remove the radiological and chemical contamination to acceptable levels.

The decommissioning project will use derived concentration guideline limits (DCGLs) based on approved risk-based pathway calculations to identify the acceptable levels. The SRS criteria for decommissioning (see Reference 6) will be used for these calculations.

However, the removal objectives (cleanliness criteria) selected will be determined by the EE/CA development process and will take into consideration additional criteria and impacts (e.g. complexity and difficulty of the cleanup effort, cost, and worker safety). Following completion of the removal effort, confirmatory surveys will be performed to demonstrate that the removal objectives have been met and the slab is within the final cleanliness criteria defined in the EE/CA.

2.03. Interface with Soil and Groundwater Closure Project (SGCP)

The facility also contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466) which are listed in Revision 1, Appendix G, Site Evaluation Areas for Fiscal Year 2003 of the Federal Facilities Agreement.

For this reason, the decommissioning project is being conducted as a CERCLA non-time-critical removal action that will require the preparation and approval of an Engineering Evaluation and Cost Analysis (EE/CA). The EE/CA preparation and approval will be integrated with the efforts of the Soil and Groundwater Closure Project.

Due to the close proximity of the MIPSL Operable Unit, disturbance of the surrounding grounds will be only as determined by the Soil and Groundwater Closure Projects.

3.0 FEASIBLE RANGE OF BASELINES

Based on the Savannah River Site Environment Management Integrated Deactivation and Decommissioning Plan, (Reference 8), this section contains the estimates of scope, cost and duration to provide an understanding of the order of magnitude of the proposed project.

3.01. Preliminary Technical Scope Range

The minimum technical scope for this project is based on the assumption that the CERCLA evaluations will lead to minimal remediation in the pit areas. Thus, the minimum technical scope would be the removal of the hazardous material in the pits only as necessary to meet the screening levels, fill in the pits and demolish the building to the slab using onsite waste disposal.

However, the CERCLA remediation of the pits to meet DCGLs could include removal of the pit areas and the associated soil followed by an extensive sampling and analysis effort. Additionally, CERCLA negotiations with regulatory authorities could, in the worst-case result in the removal of the entire slab.

3.02. Preliminary Cost Range

Based on the Savannah River Site Integrated Deactivation and Decommissioning Plan, WSRC-RP-2003-00233, the projected cost estimate for the decommissioning of the 321-M Fuel Fabrication Facility is $4.534 million to $6.525 million. The major factor that affects this cost range is the approval and acceptance by DOE/EPA/SCDHEC of the proposed approach in the EE/CA for remediation of the two CERCLA Site Evaluation Area pits.

3.03. Preliminary Schedule Range

The projected duration for the decommissioning of the 321-M Fuel Fabrication Facility is eighteen (18) to twenty-six (26) months. The major factor that affects this duration estimate is the approval and acceptance by DOE/EPA/SCDHEC of the proposed approach in the EE/CA for remediation of the two CERCLA Site Evaluation Area pits.

4.0 GENERAL APPROACH TO PROTECT THE ENVIRONMENT

The potential threat to the environment and to members of the public posed by the facility is due to the presence of radiological contamination and chemical contamination. The facility contains two CERCLA Site Evaluation Areas, the Extrusion Press Pit (SRS Index #465) and the Component Cleaning/Tube Cleaning Pump Pit (SRS Index #466), which are listed in Revision 1, Appendix G, Site Evaluation Areas from Fiscal Year 2003 of the Federal Facilities Agreement. The Extrusion Press Pit is a CERCLA Site Evaluation Area due to the potential release of leaded oil, which was used to lubricate the press. The Component Cleaning/Tube Cleaning Pump Pit is a CERCLA Site Evaluation Area due to the use of spent halogenated solvents, which were used as degreasers to clean the billets and fuel rods. Also, there is residual radiological contamination in several large process rooms (approximately 13,200 ft^2).

Since the facility is approximately one mile from the site boundary, the protection of the environment and the public from the contamination (radiological and hazardous) is a concern. For this reason, all decommissioning activities shall comply with the following WSRC manuals (or for Subcontractors, submit their own environmental protection program for approval, or adopt the SRS program):

- WSRC 5Q Manual, Radiological Control Manual (radiological controls)
- WSRC 19Q Manual, Transportation Safety Manual (transportation of hazardous materials)
- WSRC Manual 1S SRS Waste Acceptance Criteria Manual (waste disposal)

As to be determined by the EE/CA development process (see section 2.02), there are several alternatives which could be pursued for the final resolution of the radiological and chemical contamination. These alternatives range from;

- the pits and slab decontaminated, the pits filled with concrete and the structure removed to,
- the slab decontaminated, the pits and the structure removed, and the pit holes filled with concrete to,
- the pits, the slab and the structure being removed and the site back filled with soil.

Regardless, however, of which alternative is selected, the contaminants will no longer be a threat to the environment and to the members of the public.

5.0 GENERAL APPROACH TO PROTECT WORKER SAFETY AND HEALTH

Savannah River Site has a mature and highly effective Integrated Safety Management System to protect the health and safety of the SRS workers whether assigned to the project or working adjacent to it. This integrated program incorporates radiological protection, industrial safety, and worker health programs in a disciplined manner that has resulted in one of the best safety records of any industry. The decommissioning project work described in this document will be performed within that framework. If any portion of the work is subcontracted, the subcontractor will be required to submit his own safety program for approval, or adopt the SRS program.

Site forces are to follow the requirements of the WSRC 8Q, Employee Safety Manual including procedure 104, "Demolition" and the Automated Hazards Analysis Process. Radiological health and safety requirements are to be addressed by WSRC 5Q, Radiological Control Manual. With the removal of the HEU from the facility, no unusual worker hazards exist.

Subcontracts Health and Safety requirements are implemented through subcontract terms, which require submittal of a Subcontract worker protection plan. WSRC requires that subcontractors, at a minimum follow Health and Safety requirements from OSHA 1910 and 1926. Subcontractor radiological work is addressed by the implementation of a documented radiological control program that meets the requirements of 10 CFR 835.

6.0 READINESS EVALUATIONS

Before commencing the decommissioning fieldwork at the facility, a readiness evaluation will be conducted by Site D&D. The evaluation criteria are as specified in DOE STD-1120-98, "Integration of Environment, Safety, and Health into Facility Disposition Activities", section 3.4.1 and Appendix J. This team will report readiness to proceed after all punch list action items have been satisfactorily completed, to the Site D&D Project Manager, who will authorize initiation of the fieldwork.

7.0 REFERENCES

The following reference documents were used to determine the contents of this scoping document.

1. CBU-FDP-2003-00015, "Historical Preservation -- 321-M", Memorandum from T. J. Feske to C. W. Terrell, May 21, 2003
2. SOP 321-31C, Building 321-M Transition Plan, Revision 1, August 3, 1994
3. FDD-ENG-98-004, "Deactivation Project Plan, 321-M Fuel Fabrication Facility", Revision 0, February 26, 1998
4. V-PMP-M-00004, "Deactivation Project Plan, 321-M Fuel Fabrication Facility", Revision 1, April1, 2000
5. Calculation Note S-CLC-M-00015, "Facility Hazard Categorization for Building 321-M (U)", Rev 0, August 30, 2000, J. C. Musall
6. WSRC-RP-2003-00233, "Environmental Interpretation of DOE Order 430.1A Life Cycle Asset Management for Decommissioning of Excess Facilities at SRS", Revision 0, May, 2003
7. WSRC-RP-2003-4059, "Savannah River Site Environment Management Integrated Deactivation and Decommissioning Plan", Revision 1, September, 2003
8. G-FDE-M00002, "Facility Decommissioning Evaluation - Fuel Fabrication Facility, 321-M", Rev 0, July 16, 2003
9. DPSTSA-300-3A, Addendum 1, "Savannah River Site M-Area Justification for Continued Operation (U)", Rev 1.a, April, 1997, B&W Savannah River Co., Facilities Decommissioning Division
10. Calculation Note S-CLC-M-00011, "Hazard Categorization of 321-M (U)", Rev 0, November 7, 1996, G. F. Couture
11. WSRC-TR-95-0492, "U-235 Holdup in Building 321-M Contamination Areas and Associated Exhaust Systems (U)", Rev 9, December 19, 1995, R.S. Thomason, WSRC

8.0 ATTACHMENTS

Attachment 1 - 321-M Facility Spills Summary Table

8.01. Attachment 1 - 321-M Facility Spills Summary Table

Identifying Document	Date	Title	Description
RMI-89-12	12/29/89	Inadvertent Caustic Transfer to Process Sewer	On December 21 during a process water outage, a valve was inadvertently opened in the 321-M Tube Cleaning Room, allowing process water to fill the Caustic Tank and overflow into the sump. The sump volume was estimated to be 400 – 500 gallons. As required by procedures, operators sampled the sump and laboratory analysis on December 27 showed a pH of 12.5, exceeding limits for transfer to the process sewer. Transfer to the DETF Waste Caustic Storage Tank was begun on December 29. When the Caustic Tank did not show an increase in volume after 15 minutes, the DETF operator informed the 321-M operator that the transfer was not being received. The respective supervisors then discovered that the sump was being pumped to the process sewer. The spill was contained within the tube cleaning room and its sump, and the event did not result in a direct release to the environment. Instead, the spilled material was discharged to the wastewater treatment facility (DETF) via the process sewer. Normal transfer to the wastewater treatment facility, for this high pH material with the ability to neutralize acidic wastewater, was via the waste caustic transfer piping. The sump and process sewer were subsequently flushed with clean water to remove the waste caustic.
RMI-84-6-32	5/31/84	1-1-1-Trichlorethane Fumes	About mid-shift, operator noticed faint scent of 1-1-1 Trichlorethane fumes emanating from a process sewer drain. The floor area surrounding the drain was immediately barricaded and HP personnel were summoned to analyze the fumes. Analysis confirmed presence of TCE vapors of 600-PPM concentration at the floor drain and 50 PPM at barricade. Water was added to drain trap to stop fume emanation while search for source was initiated. A thorough inspection of all TCE piping and equipment in Building 321-M failed to positively identify the source. It is suspected that the origin was an abandoned but corroded carbon steel pipe in the tube degreaser reboiler tank.

RMI-83-9-43	9/26/83	Reaction in 1,1,1-Trichloroethane Sludge Drum	A chemical reaction occurred inside a 55-gallon drum containing sludge from the Building 321-M 1,1,1 Trichloroethane (TCE) tube degreaser, causing about two gallons of material to spill out of the drum. The TCE tank had been drained three days prior to the incident and the remaining sludge was placed in a plastic lined 55-gallon steel drum. The steel lid was held loosely in place by the seal ring. The sludge consisted of degraded TCE, oil, lead powder, aluminum chips and fines from prior fuel tube processing, and absorbent napkins. It is believed that a reaction occurred between the degraded TCE and aluminum chips and fines, causing the contents to foam and spill over. Spill flowed into the cleaning room pit but no liquid reached the floor drain. Clean-up was performed in accordance with Site procedures.
RMI-81-11-26	11/4/81	1,1,1-Trichloroethane Leak to M-Area Settling Basin	Approximately 300 gallons of 1, 1, 1 Trichloroethane solvent was released to the settling basin due to a leak in the Building 321-M tube degreaser. The leak was detected on the morning of November 4, and the remaining solvent in the degreaser was immediately pumped into drums. Solvent leaked through badly corroded carbon steel housing on a liquid level detector that extended through the stainless tank wall and drained from the pit via the process sewer to the basin.

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P162
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16, -18, -20 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ✓ TRU Waste Management Program Information ✓ Waste Stream-Specific Information ✓ Additional Information	Category: _ C - Correspondence _ D - Documents _ M - Miscellaneous ✓ P - Procedures _ DR - Discrepancy Resolution _ U - Unpublished Documents
Title or Description of Source Document [a] : Absorbing Containerized Liquids	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, 221-F-55012, Revisions 2, 9, 14, 9/19/2006, 3/11/2010, 6/21/2011	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR8, WS8, WS12, S2	Throughout	This procedure provides instructions for absorbing containerized liquids found within Candidate Drums. This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure. sodium hydroxide - p. 1 mercury - p. 4 mercury sorbent - p. 4 Acid Bond A660 - p. 7 No-Char - p. 7 Petrobond A610 - p. 7

CCP RECORDS ORIGINAL
DATE REC'D 10/19/12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P162

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Jason Montoya [signature] Date: 4/25/12

Print /Sign

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing liquid from containers during remediation activities within the Repackaging Enclosure (RE).

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing liquids using the appropriate absorbent inside of the enclosure. This procedure also applies to liquids spilled from containers.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions and Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step CANNOT be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.
   - A Bold Dollar Sign within parentheses ($) identifies a step, sub-step, or item that implements Safety Basis requirements (TSR and SAR requirements).
   - A Bold N within parentheses (N) identifies a step, sub-step, or item that implements NCSE N-NCS-F-00119, Section 7.0 controls.
2. Containerized liquids must be remediated in sort tray portion of the Enclosure.
3. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure. Only one bottle of sodium hydroxide may be stored in the enclosure.
4. The use of pH strips does not measure strong acids and strong bases accurately, extreme caution must be used when adjusting pH first add a few drops of reagent at a time while stirring.
5. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.1 General Precautions and Limitation, (Continued)

6. When handling waste or using hand tools for cutting, follow the safety techniques listed below:

   - If you observe someone using improper safety techniques or believe performing a task would be unsafe, STOP the work, correct the condition, or notify your FLM.
   - Protect all sharp edges by covering with tape.
   - Always use HEXARMOR HOG cut resistant gloves during waste remediation
   - Use of utility knives must be approved by the FLM.
   - When cutting, make slow and deliberate strokes with the cutting tool.
   - When using any cutting tool (e.g. utility knife) always cut away from your body and opposite hand.
   - Utility knife blades shall always be retracted when not in use.
   - Stabilize package with hand tools prior to cutting.

2.2 Radiological Protection Precautions and Limitations

1. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP).
2. Constant RP coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).
3. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, 24/7 SOM, and RP FLM.
4. Follow RP directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment, higher than expected dose rates, etc.).

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids Or Spills

1. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.

!WARNING!:

Only one container shall be opened at a time due to the possible incompatibility of the liquid in the containers.

2. **ENSURE** only one container with liquid is open at-a-time, **AND**

   RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

NOTE: Steps 4.1.3.a through 4.1.3.e may be repeated as necessary to absorb all the mercury from original container.

(N) 3. **IF** the liquid is suspected to be mercury (metallic silver liquid at ambient temperature):

a. **IF** the liquid is containerized, **THEN**

   TRANSFER a few drops of the liquid into a small, plastic open mouth beaker, **AND**

   MOVE the liquid droplet(s) with a stir stick, **AND**

   VERIFY the liquid droplets retain bead shape when moved.

b. **IF** the liquid is a spill, **THEN**

   MOVE the liquid droplet(s) with a stir stick, **AND**

   VERIFY the liquid droplets retain bead shape when moved.

NOTE: Avoid excessive water use, but dampening the powder with water can help to create the amalgam.

c. **MIX** mercury absorbent, a few drops of water, and the liquid to form a mercury amalgam (paste).

d. **IF** any violent reaction (i.e. bubbling, smoke, etc.) is observed, **THEN**

   STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

   - **DOCUMENT** path forward in comments on Attachment 2.

e. **PLACE** mercury amalgam in the Parent/Daughter Drum.

4.1 Absorbing Containerized Liquids Or Spills, Continued

f. **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

g. **PROCEED** to Step 4.1.11.

4. **IF** responding to a spill and sufficient liquid is not available to perform testing, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward, **AND**

DOCUMENT path forward in comments on Attachment 2.

NOTE: A pipette should be used to transfer drops of liquid to the water.

5. **DISPENSE** a few drops of the liquid from the container into a small plastic open mouth beaker of water to determine if the liquid is water reactive, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

a. **IF** a reaction occurs, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

- **DOCUMENT** path forward in comments on Attachment 2.

6. **DISPENSE** enough liquid from the container into the water to determine if the liquid is water miscible.

a. **IF** liquid does NOT separate or form a layer on top of the water, **THEN**

RECORD "A" for Aqueous on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

b. **IF** liquid separates or forms a layer on top of the water, **THEN**

RECORD "O" for Organic on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

7. **IF** liquid type is aqueous per Step 4.1.6, **THEN**

a. **OBTAIN** the pH of the liquid by dipping a pH strip into the liquid/water solution, **THEN**

RECORD initial pH on Attachment 1, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

4.1 Absorbing Containerized Liquids Or Spills, Continued

Step 4.1.7, Continued

b. **IF** pH of aqueous liquid is > 10, **THEN**

STOP and **NOTIFY** TRU FLM and Engineering to determine a path forward.

1) **RECORD** path forward in comments section of Attachment 2.

NOTE:	Steps 4.1.7.c through 4.1.7.d may be repeated as necessary to absorb all liquid from a single container.

c. **IF** the pH of the aqueous liquid is < 5, **THEN**

1) **TRANSFER** liquid to a small, plastic open mouth beaker in batches as necessary, not to exceed ¼ of the capacity of the container.

2) **ADJUST** pH slowly by adding a few drops of 50% sodium hydroxide to the liquid in the beaker while stirring until the pH is greater than 5, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28]

a) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE:	Corrective actions may include diluting acid or reagent.

b) **DOCUMENT** path forward in comments on Attachment 2.

3) **RECORD** adjusted pH on Attachment 1.

4.1 Absorbing Containerized Liquids Or Spills, Continued

Step 4.1.7, Continued

(N) d. **ABSORB** the aqueous liquid per the following:

1) **USE** A660 for type of absorbent.

2) **USE** a minimum ratio of 1:1 A660 to liquid.

3) **ADD** liquid to the absorbent.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all absorbed liquids (including the small container of water) are placed in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

(N) 8. **IF** liquid type is organic per Step 4.1.6, **THEN**

ABSORB the organic liquid per the following:

1) **USE** 9:1 A610 to A660 mixture for type of absorbent.

2) **USE** a minimum ratio of 1:1 A610/A660 mixture to liquid.

3) **ADD** liquid to the absorbent.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all absorbed liquids (including the small container of water) are placed in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

(N) 9. **IF** any spilled aqueous or organic liquid is present, **THEN**

ABSORB the spilled liquid with pink absorbent pads, **AND**

DISPOSE of pads in the Parent/Daughter drum, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]

4.1 Absorbing Containerized Liquids Or Spills, Continued

10. **IF** absorbing liquids per direction from procedure 221-F-55006, **THEN**

    REPEAT Steps 4.1.2 through 4.1.9 until all available non-metal containers with liquid have been remediated.

5.0 REFERENCES

• AHA#: FCA-5144	Absorbing Containerized Liquids
• F-PFHA-F-00027	Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation
• WSRC-RP-2004-00386	Waste Management Area Project Safety and Health Plan For Hazardous Waste Operations.
• SRNL-LSD-2005-00035	Savannah River National Laboratory (SRNL) Evaluation of Absorbents For The TRU Remediation Project
• WSRC-TR-2006-00101	Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations
• 2S	Conduct of Operations Manual
• 5Q	Radiological Controls Manual
• 8Q	Employee Safety Manual
• 221-F-55006	TRU Drum Repackaging
• WSRC-TS-97-00015	F-Canyon Complex Facilities
• N-NCS-F-00119	TRU Waste Drum Remediation
• 221-F-55102	Containerized Liquid Remediation Program

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist
2. Containerized Liquids Remediation Comments

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

	4.1.1	Candidate Drum Container ID: _____				
	4.1.2	Containerized liquids are being opened and remediated one container at a time. Record Initials [FC TSR: 5.7.2.28]				
(N)	4.1.3.f	Mercury absorbed – Record Initials. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
	4.1.5	Liquid tested – Record initials [FC TSR: 5.7.2.28]				
	4.1.6.a	Record liquid type (A) [FC TSR: 5.7.2.28]				
	4.1.6.a	Record initials [FC TSR: 5.7.2.28]				
	4.1.6.b	Record liquid type (O) [FC TSR: 5.7.2.28]				
	4.1.6.b	Record initials [FC TSR: 5.7.2.28]				
	4.1.7.a	Obtain pH and record [FC TSR: 5.7.2.28]				
	4.1.7.a	Record initials [FC TSR: 5.7.2.28]				
	4.1.7.c.2	Adjust pH until > 5. Record initials [FC TSR: 5.7.2.28]				
	4.1.7.c.3	Record adjusted pH				
(N)	4.1.7.d	If liquid is aqueous then absorb. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
(N)	4.1.8	If liquid is organic then absorb. [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				
(N)	4.1.9	Spills have been absorbed [FC TSR: 5.7.2.28] [NCSE: 7.5.3]				

ATTACHMENT 2 Page _____ of _____

Containerized Liquids Remediation Comments

Comments: _____

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Completed By:

_____ _____ _____

Signature Print Name Date

Reviewed By:

_____ _____ _____

Signature Print Name Date

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing containerized liquids found within Candidate Drums.

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions and Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step cannot be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.

   A Bold Dollar Sign within parentheses **($)** identifies a step, sub-step, or item that implements Safety Basis requirements (TSR and SAR requirements).

2. Containerized liquids must be remediated in sort tray portion of the Enclosure.

3. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure. Only one bottle of sodium hydroxide may be stored in the enclosure.

4. The use of pH strips does not measure strong acids and strong bases accurately, extreme caution must be used when adjusting pH first add a few drops of reagent at a time while stirring.

5. The Second Person Verifier (SPV) must be a First Line Manager (FLM), TRU Lead, or the Cognizant Quality Function (CQF).

6. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.1 General Precautions and Limitation, Continued

7. When handling waste or using hand tools for cutting, follow the safety techniques listed below:

   - If you observe someone using improper safety techniques or believe performing a task would be unsafe, STOP the work, correct the condition, or notify your FLM.
   - Protect all sharp edges by covering with tape.
   - Always use cut resistant gloves.
   - When cutting, make slow and deliberate strokes with the cutting tool.
   - When using any cutting tool (e.g. utility knife) always cut away from your body and opposite hand.
   - Utility knife blades shall always be retracted when not in use.
   - If at all possible, stabilize package with hand tools prior to cutting (rule rather than exception).
   - Prior to handling pigtails, verify absence of sharps.

2.2 Radiological Protection Precautions and Limitations

1. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP).

2. Constant RP coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).

3. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, 24/7 SOM, and RP FLM.

4. Follow RP directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment, higher than expected dose rates, etc.).

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids

NOTE:	Steps 4.1.1 through 4.1.2 may be performed at anytime during the performance of Section 4.1.

(**$**) 1. **IF** a loss of power occurs that causes the TRU Repackaging Enclosure Differential Pressure Monitoring System to become inoperable, or ventilation alarm is received while waste is exposed, immediately exit, **THEN**

NOTIFY TRU FLM, 24/7 Shift Operations Manager (SOM), and Engineering, **AND**

RECORD initials on Attachment 1. [FC TSR: LCO 3.1.1]

2. **IF** a spill of containerized liquid occurs in the Enclosure all repackaging activities must stop.

   a. **WHEN** the Enclosure Differential Pressure Alarm Panel is verified to have power and is NOT in an alarm (high or low) condition, the spill must then be cleaned up completely using proper absorbent before resuming repackaging.

3. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.

4. **ENTER** the sequential number of the liquid container being remediated (i.e., first container is 1, second container is 2, third container is 3, etc.) on Attachment 1.

!WARNING!:

Only one container shall be opened at a time due to the possible incompatibility of the containers.

(**$**) 5. **ENSURE** containerized liquids are being opened and remediated, one container at-a-time, **AND**

RECORD initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

NOTE: Steps 4.1.6.a through 4.1.6.d may be repeated as necessary to absorb all the mercury in one container.

6. **IF** the containerized liquid is mercury, **THEN**

   a. **SPRINKLE** mercury sorbent over mercury.

NOTE: Avoid excessive water use.

   b. **DAMPEN** powder with water to form a metal/mercury amalgam (paste).

   c. **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

      STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

      - **DOCUMENT** corrective action in comments on Attachment 1.

   d. **PLACE** metal/mercury amalgam in the Parent/Daughter Drum.

4.1 Absorbing Containerized Liquids, Continued

7. **IF** containerized liquid is NOT mercury, **THEN**

NOTE:	A pipette should be used to transfer drops of liquid to the water.

a. **DISPENSE** enough of the liquid into a small container of water to determine if the liquid is aqueous or organic.

b. **IF** a reaction occurs, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering to determine a path forward.

- **DOCUMENT** corrective action in comments on Attachment 1.

($) c. **RECORD** liquid type on Attachment 1 in accordance with the following: [FC TSR: 5.7.2.19]

- **IF** liquid does NOT separate or form a layer on top of the water, **THEN**

  RECORD "A" for Aqueous.

- **IF** liquid separates or forms a layer on top of the water, **THEN**

  RECORD "O" for Organic.

1) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

($) d. **IF** liquid type is aqueous, **THEN**

- **OBTAIN** the pH of the liquid by dipping a pH strip into the liquid
- **RECORD** initial pH on Attachment 1. [FC TSR: 5.7.2.19]

1) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

Step 4.1.7 Continued

NOTE: Steps 4.1.7.e through 4.1.7.f may be repeated as necessary.

($) e. **IF** the pH of the aqueous liquid is < 5, **THEN**

1) **TRANSFER** liquid to a polypropylene (PP), Teflon, or other approved container in batches as necessary, not to exceed ¼ of the capacity of the container.

2) **ADJUST** pH slowly by adding 50% sodium hydroxide solution a few drops of reagent and observe reaction while stirring until the pH is greater than 5.

a) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE: Corrective actions may include diluting acid or reagent.

b) **DOCUMENT** corrective action in comments on Attachment 1.

c. **RECORD** adjusted pH on Attachment 1.

3) **RECORD** initials on Attachment 1. [FC TSR: 5.7.2.19]

4.1 Absorbing Containerized Liquids, Continued

Step 4.1.7 Continued

f. **IF** liquid is aqueous, **THEN**

1) **USE** Acid Bond A660 for type of sorbent.

2) **USE** a minimum ratio of 1:1 Acid Bond A660 to liquid.

3) **ADD** liquid to the No-Char.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

RECORD initials on Attachment 1.

g. **IF** liquid is organic, **THEN**

1) **USE** Petrobond A610 for type of sorbent.

2) **USE** a minimum ratio of 1:1 Petrobond A610 (with 10% Acid Bond A660 mixed with the Petrobond A610) to liquid.

3) **ADD** liquid to the No-Char.

4) **MIX** until all liquids are absorbed.

5) **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

6) **ADD** appropriate amount of absorbent material to original container.

7) Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

RECORD initials on Attachment 1.

4.1 Absorbing Containerized Liquids, Continued

8. **REPEAT** Steps 4.1.4 through 4.1.7 until all sealed liquid containers in the Candidate Drum have been remediated.

9. **WHEN** all sealed liquid containers in the Candidate Drum have been remediated, **THEN**

   RECORD initials on Attachment 1.

10. **RETURN** to 221-F-55006.

5.0 REFERENCES

• AHA#: FCA-4160	Repackaging Of TRU Waste In F-Canyon
• F-PFHA-F-00027	Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation
• WSRC-RP-2004-00386	Waste Management Area Project Safety and Health Plan For Hazardous Waste Operations.
• WSRC-TR-2006-00101	Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations
• 2S	Conduct of Operations Manual
• 5Q	Radiological Controls Manual
• 8Q	Procedure 16, Ladder And Scaffold Safety Requirements
• 221-F-55006	TRU Drum Repackaging
• WSRC-TS-97-00015	F-Canyon Complex TSR

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

($)	4.1.1	Loss of power occurs. [FC TSR: LCO 3.1.1]				
	4.1.3	Candidate Drum Container ID: _____				
	4.1.4	Sequential number of liquid container.				
($)	4.1.5	Containerized liquids are being opened and remediated one container at a time. [FC TSR: 5.7.2.19]				
($)	4.1.7.c	Record liquid type [FC TSR: 5.7.2.19]				
	4.1.7.c.1	Record Initials [FC TSR: 5.7.2.19]				
($)	4.1.7.d	If the liquid is aqueous, obtain pH and record [FC TSR: 5.7.2.19]				
	4.1.7.d.1	Record Initials [FC TSR: 5.7.2.19]				
($)	4.1.7.e	If pH is < 5, transfer liquid to a container, adjust, and record adjusted pH. [FC TSR: 5.7.2.19]				
	4.1.7.e.3	Record Initials [FC TSR: 5.7.2.19]				
	4.1.7.f	If liquid is aqueous then absorb.				
	4.1.7.g	If liquid is organic then absorb.				
	4.1.9	All sealed liquid containers have been remediated. Initials _____				

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

Comments: _____

Completed By:

_____ _____ _____
Signature Print Name Date

Reviewed By:

_____ _____ _____
Signature Print Name Date

Working copy verified to be the latest revision.

Initials: _____ Date: _____

1.0 INTRODUCTION

1.1 Purpose

This procedure provides instructions for absorbing containerized liquids found within Candidate Drums.

1.2 Scope

This procedure applies to opening sealed liquid containers, testing, stabilizing, and absorbing the liquid using the appropriate absorbent inside of an enclosure.

1.3 Definitions

1. Candidate Drum - The original drum transferred to F Canyon from the Solid Waste Management Facility (SWMF) to be repackaged.
2. Parent Drum - The new drum used for repackaging the waste from the Candidate Drum. Parent Drums will be labeled identical to the Candidate Drum being repackaged.
3. Daughter Drum - The new drum(s) used for repackaging the remainder of waste from the Candidate Drum when the Parent Drum will **NOT** hold all the contents from the Candidate Drum. Daughter Drums will be labeled identical to the Candidate Drum being repackaged plus the suffix "A" for the 1st daughter and, if needed, "B" for the 2nd.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 General Precautions And Limitations

1. This procedure contains controlled step identifiers that identify special requirements to protect the safety envelope. Each marking indicates the significance of the associated step to the applicable program (e.g., Nuclear Safety Control, Technical Safety Requirement, etc.), and protects the step, sub-step, or item during the procedure revision process. If a specially marked step cannot be successfully completed, then procedure performance shall be stopped and supervision shall be notified immediately.
   - A Bold Dollar Sign within parentheses **($)** identifies a step, sub-step, or item that implements Authorization Basis (TSR, SAR, or a JCO requirement that is also an AB requirement) requirements.
2. Containerized liquids shall only be opened and remediated one-at-a-time in the TRU Repackaging Enclosure.

2.1 General Precautions And Limitations, cont.

($) 3. If a loss of power occurs or ventilation alarm is received while waste is exposed, immediately exit, then notify TRU FLM, CCA, and Engineering [FC, JCO, LCO 3.1.1]

($) 4. If a spill of containerized liquid occurs in the Enclosure all repackaging activities must stop, once the Enclosure Differential Pressure Alarm Panel is verified to have power and is **NOT** in an alarm (high or low) condition, the spill must then be cleaned up completely before resuming repackaging. [FC, JCO, 5.1.4.1]

5. Containerized liquids must be remediated in the sort tray portion of the Enclosure.

6. Chemicals (sodium hydroxide, etc.) shall only be transferred to other containers while inside the Enclosure.

7. When adjusting pH first add a few drops of reagent at a time while stirring.

8. Mercury sorbent shall only be used on mercury spills. **DO NOT** use on acids bases, cyanides, sulfides, or hypochlorites.

9. Additional copies of Attachment 1 may be reproduced as necessary to ensure all containerized liquid remediation is documented.

2.2 Radiological Control Precautions And Limitations

1. Each step in the procedure that requires/requests a Radiological Control Operations (RCO) survey implements a "RADCON ACTION STEP".

2. Comply with radiological and contamination control requirements identified on applicable Radiological Work Permits (RWP)

3. Constant RCO coverage is prescribed per the Job Specific Radiological Work Permit (JSRWP).

4. Anytime RWP Suspension Guides are exceeded, work shall be suspended, placed in a safe configuration, and notification made to the TRU FLM, Configuration Control Authority (CCA), and RCO FLM.

5. Follow RCO directions during any unexpected radiological event (e.g. alarm, loss of ventilation, loss of power, spills, containment breach, or items out of containment).

6. Conduct a pre-job briefing per the Pre-Job Checklist.

Precautions And Limitations have been read and understood:

_____

Initials

3.0 PREREQUISITE ACTIONS

None

4.0 PERFORMANCE SECTION

4.1 Absorbing Containerized Liquids

1. **ENSURE** the Candidate Drum Container ID is recorded on Attachment 1.
2. **ENTER** the sequential number of the liquid container being remediated (i.e., first container is 1, second container is 2, third container is 3, etc.).

($) 3. **ENSURE** containerized liquids are being opened and remediated one container at-a-time, **AND**

INITIAL on Attachment 1. [FC, JCO, 5.1.4.1]

4. **IF** containerized liquid is in an ampule, **THEN**
   a. **DON** leather gloves
   b. **COVER** the ampule with tape (excluding the scribe mark).
   c. Using the ampule break tool, **BREAK** the tip off the ampule.

($) d. **POUR** liquid on a pink absorbent pad. [FC, JCO, 5.1.4.1]

   e. **PLACE** empty ampule into the Parent/Daughter Drum.
   f. **ENSURE** applicable items on Attachment 1 have been completed.

NOTE:	For stubborn vial caps where force is required to remove, vials should be taped and leather gloves utilized prior to removing the cap.

5. **IF** containerized liquid is **NOT** in an ampule, **THEN**

   Slowly VENT and **OPEN** the container, **AND**

   INITIAL Attachment 1.

NOTE 1:	Steps 4.1.6.a through 4.1.6.d may be repeated as necessary to absorb all the mercury.
NOTE 2:	Pink absorbent pads may be used as necessary.

6. **IF** the containerized liquid is mercury, **THEN**

($) a. **SPRINKLE** mercury sorbent over mercury. [FC, JCO, 5.1.4.1]

NOTE:	Avoid excessive water use.

   b. **DAMPEN** powder with water to form a metal/mercury amalgam (paste).
   c. **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

      STOP and **CONTACT** the TRU FLM.

   d. **PLACE** metal/mercury amalgam in the Parent/Daughter Drum.
   e. **ENSURE** applicable items on Attachment 1 have been completed.

4.1 Absorbing Containerized Liquids, cont.

($) 7. **IF** containerized liquid is **NOT** mercury or in an ampule, **THEN**

a. **DISPENSE** enough of the liquid into a small container of water to determine if the liquid is aqueous or organic, **AND**

INITIAL on Attachment 1. [FC, JCO, 5.1.4.1]

b. **IF** a reaction occurs, **THEN**

1) **STOP** and **CONTACT** the TRU FLM and Engineering to determine a path forward.

2) **DOCUMENT** corrective action in comments on Attachment 1.

8. **RECORD** liquid type on Attachment 1 in accordance with the following:

- **IF** liquid does **NOT** separate or form a layer on top of the water, **THEN**

  RECORD "A" for Aqueous.

- **IF** liquid separates or forms a layer on top of the water, **THEN**

  RECORD "O" for Organic.

($) 9. **IF** liquid type is aqueous, **THEN**

OBTAIN the pH of the liquid by dipping a pH strip into the liquid, **AND**

RECORD initial pH on Attachment 1. [FC, JCO, 5.1.4.1]

($) 10. **IF** the pH of the aqueous liquid is < 5, **THEN** [FC, JCO, 5.1.4.1]

NOTE:	The first batch transferred to another container should **NOT** exceed ¼ of the capacity of the container.

a. **TRANSFER** liquid to a polypropylene (PP), Teflon, or other approved container in batches as necessary.

NOTE:	When adjusting pH first add a few drops of reagent and observe reaction. If no violent reaction is observed, then continue to add reagent very slowly.

b. **ADJUST** pH slowly by adding 50% sodium hydroxide solution while stirring until the pH is > 5.

1) **IF** any violent (i.e. bubbling, smoke, etc.) reaction is observed, **THEN**

STOP and **CONTACT** the TRU FLM and Engineering for path forward.

NOTE:	Corrective actions may include diluting acid or reagent.

2) **DOCUMENT** corrective action in comments on Attachment 1.

c. **RECORD** adjusted pH on Attachment 1.

4.1 Absorbing Containerized Liquids, cont.

($) 11. **IF** liquid is aqueous, **THEN** [FC, JCO, 5.1.4.1]

a. **RECORD** Acid Bond A660 for type of sorbent on Attachment 1.

b. **USE** a minimum ratio of 1:1 Acid Bond A660 to liquid.

c. **ADD** liquid to the No-Char.

d. **MIX** until all liquids are absorbed.

e. **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

f. **ADD** appropriate amount of absorbent material to original container.

G. Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

INITIAL on Attachment 1.

($) 12. **IF** liquid is organic, **THEN** [FC, JCO, 5.1.4.1]

a. **RECORD** Petrobond A610 for type of sorbent on Attachment 1.

b. **USE** a minimum ratio of 1:1 Petrobond A610 (with 10% Acid Bond A660 mixed with the Petrobond A610) to liquid.

c. **ADD** liquid to the No-Char.

d. **MIX** until all liquids are absorbed.

e. **IF** liquids are observed, **THEN**

ADD additional absorbent material as needed.

f. **ADD** appropriate amount of absorbent material to original container.

g. Prior to disposal, **ENSURE** all liquids (including the small container of water) are absorbed, **AND**

INITIAL on Attachment 1.

13. **REPEAT** steps 1 through 12 until all sealed liquid containers in the Candidate Drum have been remediated.

14. **WHEN** all sealed liquid containers in the Candidate Drum have been remediated, **THEN**

INITIAL on Attachment 1.

15. **RETURN** to 221-F-55006.

Section Complete

5.0 REFERENCES

1. AHA#: FCA-3394, *Absorbing Containerized Liquids In The TRU Repackaging Enclosures*
2. F-PFHA-F-00027, *Fire Hazards Analysis for 221-F Canyon TRU Waste Remediation Operation*
3. N-NCS-F-00119, Nuclear Criticality Safety Evaluation: *TRU Waste Drum Remediation in F-Canyon*
4. WSRC-RP-2004-00386, *Waste Management Area Project Safety And Health Plan For Hazardous Waste Operations.*
5. WSRC-TR-2006-00101, *Consolidated Hazards Analysis For The F-Canyon TRU Waste Remediation Operations*
6. WSRC 2S, *Conduct of Operations Manual*
7. WSRC 5Q, *Radiological Controls Manual*
8. WSRC 8Q, Procedure 16, *Ladder And Scaffold Safety Requirements*
9. 221-F-55006, *TRU Drum Repackaging*
10. AHA#: FCA-3310, *Shipping, Receiving, And Repackaging TRU Waste In F Canyon*

6.0 RECORDS

Records generated due to the performance of this procedure shall be processed in accordance with SW-QI-1171, Records Management (U).

7.0 APPENDICES

None

8.0 ATTACHMENTS

1. Containerized Liquid Remediation Checklist

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

	1.	Candidate Drum Container ID: _____				
	2.	Sequential number of liquid container.				
($)	3.	Only one liquid container being remediated (Initials). [FC, JCO, 5.1.4.1]				
	4.	Containerized liquid is an ampule (Yes or No).				
	5.	Container venting complete (Initials or N/A for an ampules).				
	6.	Containerized liquid is mercury (Yes or No).				
($)	7.	Reaction to determine if the liquid is aqueous or organic observed (Initials or N/A for mercury and ampules). [FC, JCO, 5.1.4.1]				
	8.	**RECORD** A for Aqueous or O for Organic (N/A for mercury or an ampule).				
($)	9.	**RECORD** Initial pH (N/A for mercury, ampules, and organics) [FC, JCO, 5.1.4.1]				
($)	10.	**IF** pH was adjusted, **THEN** **RECORD** adjusted pH (N/A for mercury, ampules, and organics). [FC, JCO, 5.1.4.1]				
($)	11.	**RECORD** type of sorbent used [FC, JCO, 5.1.4.1]				
($)	12.	All liquid absorbed (Initials). [FC, JCO, 5.1.4.1]				

ATTACHMENT 1 Page _____ of _____

Containerized Liquids Remediation Checklist

13. All sealed liquid containers have been remediated. Initials _____

Comments: _____

Completed By:

_____ _____ _____
Signature Print Name Date

Reviewed By:

_____ _____ _____
Signature Print Name Date

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P043
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Preparing, Applying, and Disposing of Lead-Oil Lubricant	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, DPSOL 321-701, Revision 7, 02/03/1984, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR6, WS4, WS8, WS9, WS12, S16	1-3	Procedure describes the making of the lead-oil mixture with DuPont A-408 oil and powdered lead. Disposing of the oil is done in a metal container with 2 plastic bags. Oil is pour directly into the bags, filling thcontainer 1/2 full and Oil Dry is added to the fill the container to form a solid cake. The metal container is placed in a contaminated waste drum.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 10/06/2011
Print

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

P043

DO NOT REMOVE From SRP
Without Approval
RAW MATERIALS
OPSOP REF 321-3
PROOUCTION
EXT PREPARATION

DPSOL 321-710
Revision 7

Approval Date 2/3/84
Category 3A

PREPARING, APPLYING AND DISPOSING OF LEAD-OIL LUBRICANT ←

FREQUENCY:
As specified under definition of categories in RMD DPSOL Index.

SAFETY:

1) Female employees refer to DPSOP 158 Page 1016 "Handling Embryotoxic Materials".

2) Wear Comfo II respirator, eye protection, leather gloves, plastic aprons and shoe covers while handling powdered lead.

3) Use proper lifting methods.

4) When there is a lubricant spill, be careful of slippery floors. Remove spills as soon as practical.

5) Wear face shield and leather gloves during application of lubricant.

6) Wash hands and face thoroughly after handling powdered lead.

7) Be alert for flash fires when applying lead oil to hot surfaces.

8) Clean up all loose lead powder immediately.

INFORMATION:
Complete this OPSOL as follows:
- Fill in date space over first available checkoff column on page.
- Check each step as completed under proper date.
- Enter initials and payroll (PR) number, and shift at end of each completed section containing such spaces. Every succeeding or relief operator must check and initial DPSOL section(s) and/or steps directly relating to job performed during shift.
- Give to supervisor when all columns are full.

PROCEDURE:

A. MIXING LEAD OIL

Date _____ _____ _____ _____ _____

[NOTE: Fresh lead oil must be prepared at start of each shift of operation. Lead-oil mixed during the previous shift may be used after re-shaking the container per steps A-3) through 8). Verify that the lead oil is well mixed and that there is not a

A.... Date _____ _____ _____ _____ _____

layer of powdered lead on the bottom. Dispose of lead oil over 1 shift "old" per section C. Check lead powder for oxidation, if it is caked together or has a yellow or orange tint, notify supervision.]

1) Pour 3 quarts of oil (Du Pont A-408) into mix bucket. _____ _____ _____ _____ _____

2) Add 1 quart of powered lead to oil. _____ _____ _____ _____ _____

3) Place top on mix bucket. Place bucket in shaker, and tighten top firmly. _____ _____ _____ _____ _____

4) Verify breaker No. 32 in lighting panel E is ON. _____ _____ _____ _____ _____

5) Place ON-OFF switch (located on wall behind shaker) in ON position. _____ _____ _____ _____ _____

6) Energize paint shaker by pushing start button. Red light will come on to indicate that shaker is on. _____ _____ _____ _____ _____

7) Allow bucket to shake for 28 minutes. (2 cycles on timer) _____ _____ _____ _____ _____

8) De-energize shaker by pushing OFF button and remove bucket of mixture. _____ _____ _____ _____ _____

B. APPLYING LEAD-OIL

1) One to two layers of rags may be placed under the tooling to be lubricated in order to prevent lead oil from falling into pit. Verify that a fire extinguisher is available at the jib crane in case oil soaked rags catch on fire.

2) Manually stir mixture before each application with swab, lead settles out of oil rapidly. _____ _____ _____ _____ _____

3) Paint the mandrel with lead oil by using the swab. _____ _____ _____ _____ _____

Date	____	____	____	____	____
4) Coat the container inside wall, grooves and die with lead oil by dipping swab (on extended handle) into mixture and swabbing thoroughly.	____	____	____	____	____
5) Paint the cutoff block, dummy block, and billet thoroughly with lead oil.					
[NOTE: Do not stand over pieces being coated with lead-oil; they may ignite.]	____	____	____	____	____

C. DISPOSING OF LEAD OIL

1) Place double plastic bags in a metal container.					
2) Pour all excess lead oil into bags. Do not fill container over 1/2 full.	____	____	____	____	____
3) Add "oil dry" to lead oil in the bags to form a solid cake.	____	____	____	____	____
4) Seal plastic bags and metal container.	____	____	____	____	____
5) Place metal containers in contaminated waste drum or container.	____	____	____	____	____
	____	____	____	____	____
Initials	____	____	____	____	____
P. R. No.	____	____	____	____	____
Shift	____	____	____	____	____

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P036
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☑ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Cleaning Extrusion Press Pit	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, DPSOL 321-822, Revision 0, 07/10/1979, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR8, WS8, WS9	Page 3	Procedure specifies the use of Oil Dry to solidify contaminated waste oil. Chemicals called out are Klear All (99-3574) and B-827 solvent.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Sherry Auckland / _____ Date: 10/06/2011

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

P043

DO NOT REMOVE From SRP
Without Approval
RAW MATERIALS
OPSOP REF 321-3
PROOUCTION
EXT PREPARATION

DPSOL 321-710
Revision 7

Approval Date 2/3/84
Category 3A

PREPARING, APPLYING AND DISPOSING OF LEAD-OIL LUBRICANT ←

FREQUENCY:
As specified under definition of categories in RMD DPSOL Index.

SAFETY:

1) Female employees refer to DPSOP 158 Page 1016 "Handling Embryotoxic Materials".

2) Wear Comfo II respirator, eye protection, leather gloves, plastic aprons and shoe covers while handling powdered lead.

3) Use proper lifting methods.

4) When there is a lubricant spill, be careful of slippery floors. Remove spills as soon as practical.

5) Wear face shield and leather gloves during application of lubricant.

6) Wash hands and face thoroughly after handling powdered lead.

7) Be alert for flash fires when applying lead oil to hot surfaces.

8) Clean up all loose lead powder immediately.

INFORMATION:
Complete this OPSOL as follows:
- Fill in date space over first available checkoff column on page.
- Check each step as completed under proper date.
- Enter initials and payroll (PR) number, and shift at end of each completed section containing such spaces. Every succeeding or relief operator must check and initial DPSOL section(s) and/or steps directly relating to job performed during shift.
- Give to supervisor when all columns are full.

PROCEDURE:

A. MIXING LEAD OIL

Date _____ _____ _____ _____ _____

[NOTE: Fresh lead oil must be prepared at start of each shift of operation. Lead-oil mixed during the previous shift may be used after re-shaking the container per steps A-3) through 8). Verify that the lead oil is well mixed and that there is not a

A....	Date				
layer of powdered lead on the bottom. Dispose of lead oil over 1 shift "old" per section C. Check lead powder for oxidation, if it is caked together or has a yellow or orange tint, notify supervision.]					
1) Pour 3 quarts of oil (Du Pont A-408) into mix bucket.					
2) Add 1 quart of powered lead to oil.					
3) Place top on mix bucket. Place bucket in shaker, and tighten top firmly.					
4) Verify breaker No. 32 in lighting panel E is ON.					
5) Place ON-OFF switch (located on wall behind shaker) in ON position.					
6) Energize paint shaker by pushing start button. Red light will come on to indicate that shaker is on.					
7) Allow bucket to shake for 28 minutes. (2 cycles on timer)					
8) De-energize shaker by pushing OFF button and remove bucket of mixture.					

B. APPLYING LEAD-OIL

1) One to two layers of rags may be placed under the tooling to be lubricated in order to prevent lead oil from falling into pit. Verify that a fire extinguisher is available at the jib crane in case oil soaked rags catch on fire.					
2) Manually stir mixture before each application with swab, lead settles out of oil rapidly.					
3) Paint the mandrel with lead oil by using the swab.					

Date	____	____	____	____	____
4) Coat the container inside wall, grooves and die with lead oil by dipping swab (on extended handle) into mixture and swabbing thoroughly.	____	____	____	____	____
5) Paint the cutoff block, dummy block, and billet thoroughly with lead oil.					
[NOTE: Do not stand over pieces being coated with lead-oil; they may ignite.]	____	____	____	____	____

C. DISPOSING OF LEAD OIL

1) Place double plastic bags in a metal container.	____	____	____	____	____
2) Pour all excess lead oil into bags. Do not fill container over 1/2 full.	____	____	____	____	____
3) Add "oil dry" to lead oil in the bags to form a solid cake.	____	____	____	____	____
4) Seal plastic bags and metal container.	____	____	____	____	____
5) Place metal containers in contaminated waste drum or container.	____	____	____	____	____
Initials	____	____	____	____	____
P. R. No.	____	____	____	____	____
Shift	____	____	____	____	____

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C017
Waste Stream Number(s): SRS Library Files for CCP-AK-SRS-13, -14, -15, -16 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title of Source Document: Memo to S. L. Tibrea re: Building 321-M Wastes	
Source Document Reference Information (author(s), document and revision number, date, publisher): F. C. Rhode, DPSP-86-71-4, NA, 04/22/1986, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR5, PR7, WS1, WS2, WS3, WS4, WS8, WS9, WS11	Throughout	This DuPont document characterizes solid wastes from Building 321-M. Areas/Buildings: Building 321-M Radionuclides: enriched uranium Uranium-234, 235, 236, 238 Chemicals: aluminum aluminum chips Sludge collected from degreasers containing 1,1,1 trichloroethane, lead, oil, oil-dry 1,1,1 trichloroethane lead oil Used oil from the draw bench, vacuum systems, hydraulic systems: Oil, DuPont Code A-408; Oil, DuPont Code A-522 S; Oil, DuPont Code A-523; Oil, DuPont Code A-532; Door Ease; Oil, Vacuum, High, DOW CD; Oil, Hydraulic, Antiwear; and Oil, Penetrating oil-dry Physical waste forms: aluminum chips aluminum foil asbestos bags cans cardboard boxes conduit wire crates dirt instruments lead-oil contaminated rags, wipes, soiled clothing, gloves lumber miscellaneous metal pieces

CCP RECORDS ORIGINAL
DATE REC'D 11-7-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C017
AK # [a]	Source Doc. Page # [b]	AK Information Summary
		Mixture of powdered lead and lubricating oil obsolete and worn equipment packing materials pallets paper products Pieces of aluminum 5 to 8 inch OD X 1 to 3.5 inch X 5 inches long Pieces of aluminum tubing 3/8" OD X 1/8" X up to 50 inches long Pieces of aluminum tubing, 1 to 4 inch OD X 0.25 inch wall thickness X up to 4 ft long. pieces of concrete pipe plastic film scrap metal used floor coverings worn equipment and instruments worn tools WASTE CATEGORIES AND VOLUMES (pp. 2-3): 1000 tubes per month (total fuel and targets) Office, Computer Room. Lunch Room and Restroom Wastes -32,000 ft3/yr. Process Waste - 20,000 ft3/yr: mixture of wastes summarized in pp. 5-9 Shop Wastes Construction Wastes - 2000 ft3/yr. Packing materials Tube Ends - 72,000 lb/yr. Used Cutoff Blocks - 90,000 lb/year. Used Evacuation Tubing - 3000 lb/yr TCE Sludge - 20 55 gallon drums/yr Lead Oil - 80 55 gallon drums/yr Used Oils (hydraulic systems) 10 drums/yr

Source Document Data Limitations (if any):

1. Mixture of wastes summarized in pp. 5-9 is barely legible.

Acceptable Knowlege Expert:

Sherry Auckland /Sign Date: 10/06/2011

Print

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

C017 3605211100[illegible]

DSR 3-4A

DUPONT

INTER-OFFICE MEMORANDUM

SAVANNAH RIVER PLANT

Key words: Building 321-M, Wastes, Waste Monitoring

DPSP-86-71-4

April 22, 1986

TO: S. L. TIBREA, 703-45A

FROM: F. C. RHODE, 320-M FCR

BUILDING 321-M WASTES

SUMMARY

As you requested, this memorandum characterizes solid wastes generated in Building 321-M for your use in preparing basic data for development of proposed new waste monitoring equipment. Improved waste monitoring equipment is presently needed. However, because the powder metallurgy process will eliminate most of the easily divertible forms of SNM from Building 321-M, the long range need for new waste monitoring technology is questionable and should be evaluated further.

DISCUSSION

Wastes generated in Building 321-M include a wide range of materials and densities. Wastes were grouped into various categories because of special considerations due to their origin, content, density, size, or disposition. Waste volumes were based on an average throughput of 1000 tubes per month (total fuel and targets). Waste from the charge preparation, casting, and machining areas is not included. It was assumed that these operations will be replaced by a powder metallurgy process in H-Area by the time the new waste monitoring equipment is available. If the charge preparation, casting, and machining operations are eliminated, the need for additional expensive, high technology, waste monitoring equipment becomes questionable. All of the present, readily available, uncontained forms of SNM would be eliminated. The only potential targets for diversion remaining would be whole billets, whole tubes or portions of tubes. Visual inspection of wastes should be adequate to detect diversion of these items.

RECORDS ADMINISTRATION
R0693298

Tube cores could be intentionally or inadvertently cut and discarded with aluminum tube-end waste. However, existing controls and monitoring methods for this waste should be adequate and reliable. In addition, missing portions of fuel tubes would be detected by existing tube inspections (i.e. fluoroscope).

The principle isotopes present in enriched uranium that might be found in wastes to be monitored are ^{234}U, ^{235}U, ^{236}U and ^{238}U. The concentration of these isotopes varies as a function of the ^{235}U concentration as shown in Figure 1. The ^{235}U concentration can vary from 40 to 93 wt%. All wastes would be expected to contain less than gram quantities and "assay" accuracy would not be required.

WASTE CATEGORIES

Office, Computer Room, Lunch Room and Restroom Wastes - Mostly paper products, some incidental metal items. Lunch room wastes contain cans, aluminum foil. About 32,000 ft^3/yr.

Process Waste - A mixture of items listed in the attachments. The attachments represent typical operating supplies delivered to Building 321-M during a recent three-month period. These materials and their containers eventually become waste. About 20,000 ft^3/year.

Shop Wastes - Mixtures of packing materials, scrap metal, worn equipment, instruments and operating supplies including many of the items listed in the attachments. Included in volume estimated under "Process Wastes".

Construction Wastes - Includes broken pieces of concrete, lumber, packing material, obsolete and worn equipment, pipe, conduit wire, asbestos, instruments, worn tools, dirt, miscellaneous metal pieces, and used floor coverings. Estimated volume: 2000 ft^3/year.

Packing Materials - Cardboard boxes, pallets, lumber, crates, packing materials, plastic film, bags, cans, etc. Included in volume listed under "Process Wastes".

Tube Ends - Pieces of aluminum tubing 1 to 4 inch OD X 0.25 inch wall thickness X up to 4 ft long. About 72,000 lb/year.

Used Cutoff Blocks - Pieces of aluminum 5 to 8 inch OD X 1 to 3.5 inch ID X 5 inches long. About 90,000 lb/year.

Used Evacuation Tubing - Pieces of aluminum tubing 3/8" OD X 1/8" ID X up to 50 inches long. About 3000 lb/year.

TCE Sludge - Sludge collected from degreasers containing 1,1,1, trichloroethane, lead, oil, oil-dry, aluminum chips. Collected in 55 gallon drums. About 20 drums/year.

Lead Oil - Mixture of powdered lead and lubricating oil. Collected in 55 gallon drums. Also: rags, wipes, soiled clothing, gloves, etc. contaminated with lead-oil. Liquids may be mixed with oil-dry. About 80 drums/year.

Used Oils - Used oil from the draw bench, vacuum systems, hydraulic systems. About 10 drums/year.

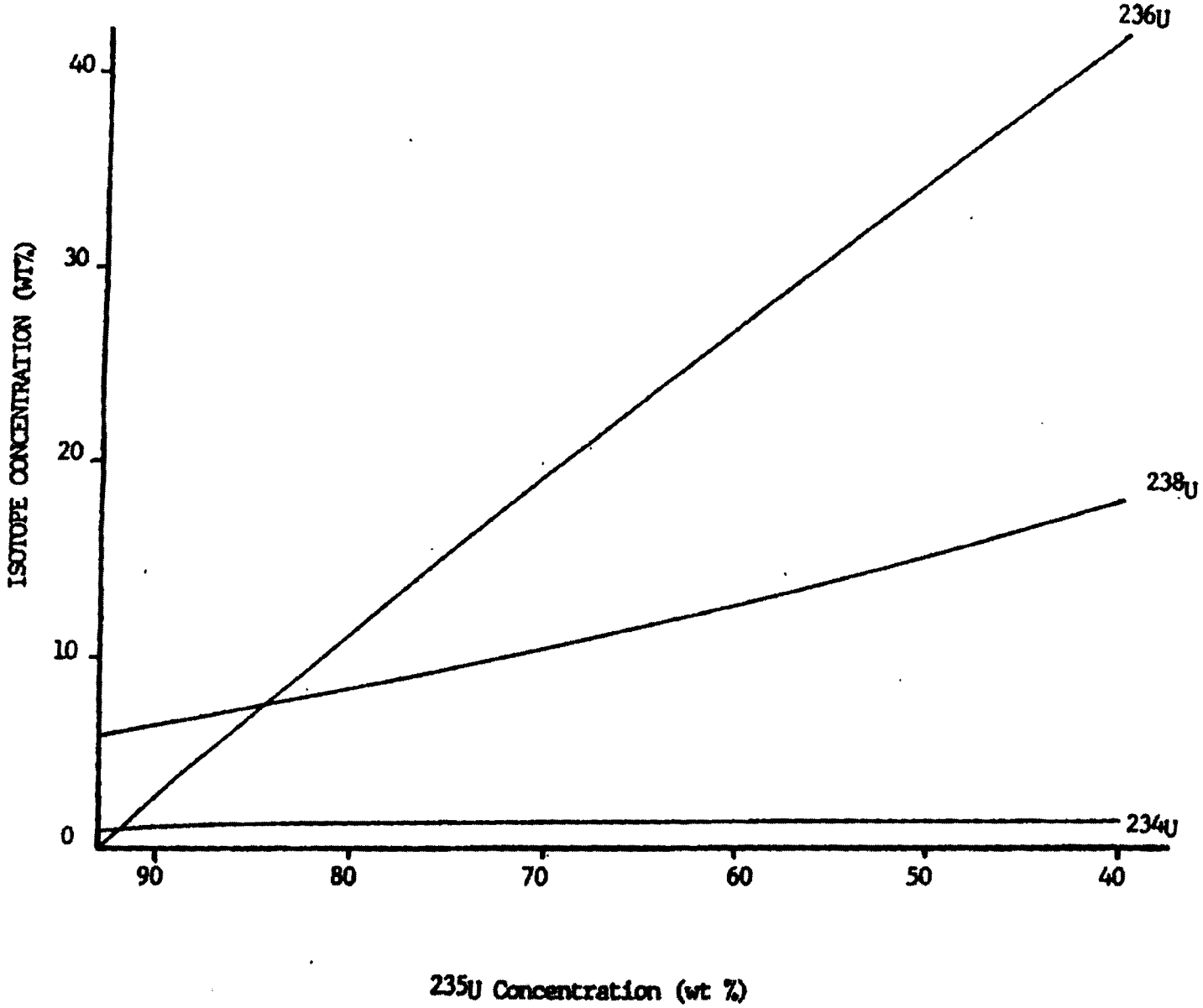

Figure 1. Typical isotope concentrations in recycle EU.

PROGRAM: P261002C
DATE: 03/31/84

MONTHLY
DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM521

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REQ SIGN	REQ ITEM	COUNTER PICK UP
0521M00	1 - 103.00	CEMENT, MORTAR, 100 LB	1.00	EA	32.10	MALLFORD	03/01/84			
	8 - 847.00	ROLLER, PAINT,4",1MHR JOH	8.00	EA	23.72	JOHNSON	03/01/84			
	8 - 847.00	COVERS, PAINT ROLLERS, 4"	24.00	EA	23.14	JOHNSON	03/02/84			
	3 - 2040.00	1041, PAINT ROLLER, 18 IN	6.00	EA	8.04	JOHNSON	03/12/84			
	4 - 1310.00	BANDING, STEEL, MILD IRON	500.00	LB	408.10	MOLLOWAY	03/14/84			
	4 - 1740.00	BOLT, EYE, SHOULDER TYPE,	30.00	EA	86.10	WIEBRENEMA	03/21/84			
	4 - 3189.00	CARBIDE, SINGLEWALL CARBID	130.00	EA	125.10	WELCH	03/04/84			
	4 - 3920.00	CLOTH,CURITY,12 IN.X 10 Y	5,000.00	EA	848.00	MOLLIDAY	03/13/84			
	4 - 10851.00	OPENER CAN , PLASTIC HAND	3.00	EA	10.00	MALLFORD	03/23/84			
	4 - 10851.00	OPENER, CAN, WALL STYLE	3.00	EA	10.60	MALLFORD	03/23/84			
	4 - 10940.00	PADS, ABSORBENT, 959 PER	8.00	CS	111.00	MOLLIDAY	03/26/84			
	4 - 10960.00	PADS, ABSORBENT, 338 PER	15.00	CS	333.00	SANDERS	03/27/84			
	4 - 21980.00	SHELLS, EXPANSION, SELF-D	100.00	EA	110.00	DOLLAR	03/24/84			4
	4 - 21350.00	TAG, ALUMINUM, W/WIRE, 1	100.00	EA	10.00	CARE),1 RM-111	03/03/84			
	4 - 29100.00	TAPE, MASKING, 1 IN.,	40.00	RL	43.34	MOLLIDAY	03/13/84			
	4 - 29100.00	TAPE, MASKING, 1 IN.,	40.00	RL	43.34	MALLFORD	03/19/84			
	[illegible]									
	[illegible]									
	[illegible]									
	[illegible]									
	11 - 2946.10	CONDUIT, ELECTRICAL METAL	110.00	FT	19.00	JHOMAS	03/31/84			
	13 - 3450.00	BLADES, POWER SAW, H.S. S	10.00	EA	80.00	MARGOBYE	03/10/84			
	11 - 3440.00	BUFFER, LAMBSWOOL 8DHNE),	20.00	EA	98.00	SANDERS	03/26/84			4
	15 - 8330.00	KNIFE, PUTTY, 1-1/4 IN BL	12.00	EA	12.40	CDBK	03/12/84		4	
	14 - 3430.00	TORCH, WELDARC, HAND-TYPE	2.00	EA	188.01	MOLLIDAY	03/11/84			
	20 - 130.00	CAP, SURGEON, CLOTH, ORAN	200.00	EA	140.00	MOLLOWAY	03/11/84			
	20 - 200.00	CAP, SURGEONS, CLOTH, WHI	400.00	EA	234.96	MALLFORD	03/24/84			
	20 - 211.00	CAP, CRAZY, SIZE 1-1/4 BA	8.00	EA	13.30	BOWMAN	03/06/84			
	20 - 212.00	CAP, CRAZY, SIZE 1-3/8 BA	4.00	EA	12.38	RUNNELL JW	03/05/00			
	20 - 212.00	CAP, CRAZY, SIZE 1-3/8 BA	4.00	EA	12.38	BOWMAN	03/06/00			
	20 - 213.00	CAP, CRAZY, SIZE 1-1/2 BA	4.00	EA	12.28	BOWMAN	03/06/84			
	20 - 400.00	COVER, SHOE, VINYL, SIZE	400.00	PR	84.32	MALLFORD	03/03/84			
	20 - 430.00	COVER, SHOE, VINYL, SIZE	1,400.00	PR	301.20	MALLFORD	03/21/84			
	20 - 430.00	COVER, SHOE, VINYL, SIZE	1,400.00	PR	305.20	SHEELY	03/15/84			
	20 - 435.00	COVER, SHOE, PLASTIC, YEL	1,200.00	PR	263.34	SHEELY	03/31/84			
	20 - 727.00	COVERALLS, SAFETY "D" BIN	1.00	PR	244.31	WIEBERENA	03/10/84			
	20 - 728.00	COVERALLS, SAFETY "D" BIN	3.00	PR	243.63	WIEBERENA	03/11/84			
	20 - 814.00	COVERALL, WEIDER), WHITE,	25.00	PR	2,813.20	MALLFORD, 800	03/20/84			
	28 - 445.00	GLOVES, "KEVLAR", TERRI H	144.00	PR	2,134.51	BOWMAN RM-111	03/19/84			
	28 - 843.00	GLOVES, "KEVLAR", TERRI H	144.00	PR	2,156.91	BARBER	03/21/84			
	28 - 810.00	GLOVE, COTTON, 10 OZ. KNI	400.00	PR	330.00	MALLFORD	03/17/84			
	28 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	RUNNELL JW	03/05/84	4	4	
	28 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	RUNNELL	03/12/84	4	4	
	26 - 1442.00	GLOVE, LEATHER PALM, 10P	144.00	PR	314.34	MOLLIDAY	03/13/84	4	4	
	44 - 4444.44	GLOVE, LEATHER PALM, 10P	144.44	PR	314.34	CRAWFORD	03/13/84	4	4	
	[illegible]									

DATE: 03/31/84

MONTHLY
DISBURSEMENT REVIEW

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM125

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REQ SIGN	REQ ITEM	COUNTER PICK UP
0521M00	20 - 1840.00	GLOVE, LEATHER PALM, 10P	144.00	PR	318.69	MOLLOWAY	03/26/84	4	4	4
	28 - 1210.00	GLOVE, LATEX RUBBER, SIZE	144.00	PR	162.12	CDBK	03/01/84			
	26 - 1310.00	CLOVE, SURGICAL, WHITE LA	500.00	PR	118.00	CDBK	03/01/84			
	20 - 1405.00	JACKET, CHEF BROWN, CANVA	5.00	EA	94.31	MALLFORD	03/23/84			
	20 - 1425.00	SHIRT, SWEAT, SIZE LARGE,	20.00	EA	135.00	JOHNSON LB RM111	03/01/84		4	
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	131.00	RUNNELL JW	03/13/84	P	4	
	21 - 113.06	CAP, WHITE, MSA-V-GUARD 4	3.00	EA	5.28	WIEBERKENR-RM111	03/17/84			
	21 - 251.03	EIEWEAR, PROTECTIVE, 8160	24.00	PR	41.28	PROVEAUX,8 RM116	03/13/84			
	21 - 293.00	PLUG, EAR, HEARING PROTEC	300.00	PR	46.00	PROVEAUX,8 RM318	03/01/84			
	23 - 293.00	PLUG, EAR, HEARING PROTEC	200.00	PR	32.00	PROVEAUX	03/23/84			
	21 - 430.06	CLEANER, LENS CLEANING 33	3.00	EA	19.41	SMITH,J RM-111	03/17/84			
	21 - 436.00	DISPENSER,TISSUE,LENS, 1	3.00	EA	28.19	SMITH,J RM-111	03/17/84			
	25 - 1315.00	LINER, SUSPENSION "SIAZ-0	1.00	EA	5.60	WIEBERKENR-RM111	03/17/84			
	21 - 2320.00	RESPIRATOR COMPR 33	12.00	EA	397.40	WELCH MP	03/24/84	A		
	21 - 2320.00	RESPIRATOR COMPR 33	95.00	EA	1,334.60	WELCH MP	03/27/84	P		
	22 - 20.00	OIL, DU PONT CODE A-460,	220.00	GAL	481.20	CAREY	03/27/84			
	22 - 80.06	OIL, DU PONT CODE A-481,	220.00	GAL	487.15	BOWMAN	03/21/84			
	22 - 110.00	OIL, DU PONT CODE A-322 3	2.00	EA	69.10	MEISTER	03/07/84			
	21 - 233.06	OIL, DU PONT CODE A-525,	10.00	GAL	21.36	WEISTER	03/07/84			
	22 - 290.00	OIL, DU PONT CODE A-332,	40.00	EA	486.22	CARNES	03/13/84			
	22 - 1840.00	OIL, VACUUM, HIGH, DOW 00	12.00	EA	120.00	SANDERS	03/05/84			
	22 - 1840.00	OIL, VACUUM, HIGH, DOW 00	1.00	EA	400.00	CARNES	03/21/84			
	25 - 331.00	143, POLYETHYLENE, 24 X 1	10.00	EA	4.01	MOLLIDAY	03/01/84			
	25 - 1610.00	CONTAIN, MASTER POWIM, PR	10.00	EA	172.00	CARE)	03/13/84			
	21 - 101.00	KNAPP SAFETY SHOE STYLE 4	3.00	PR	61.14	CARE) 110115	03/14/84			
	23 - 407.00	HI-TECH,SAFETY SHOE, STYL	1.00	PR	61.24	D.HIDRICK	03/16/84			
	23 - 483.00	HI-TECH,SAFETY SHOE, STYL	1.00	PR	61.24	P.J.SMITH	03/23/84			
	10 - 350.00	FOAM, BULINE)), 24 1/8 X	10.00	CS	321.11	DICKINSON	03/22/00			
	10 - 10401.00	FILTER, EXHAUST, HEPA, F)	12.00	EA	2,013.40	S. WEISTER	03/01/84			
	50 - 10403.00	FILTER, EXHAUST, HEPA, F)	12.00	EA	2,033.40	S. WEISTER	03/21/84			
	10 - 11443.00	FILTER, PANEL, BACKDR, 5	48.00	EA	181.00	S. WEISTER	03/28/84			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 18
TOTAL VALUE OF DISBURSEMENTS: 24,145.71

PROGRAM: R2450A2C
DATE: 01/31/88

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: 0513 - 323M [illegible] PREP 299 ACCT
MANAGER: W A BRADY
LOCATION: 323M

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESI SIGN	SEN ITEM	CONTRACTOR PICK UP
[illegible]	4 - 3127.87	CLOTH,EMPTY,12 IN,R 18 I	599.00	EA	119.39	CONANT, C	01/08/84			
	5 - 7715.73	CLOCK,BATTERY WALL 8-INCH	1.00	EA	14.19	VINCENT	01/27/84		*	
	13 - 8713.99	HAMMER, SLEDGE, DOUBLE FA	1.00	EA	9.17	CONANT, C	01/19/84			
	20 - 612.17	GLOVES, "KEVLAR", "EPPY -	144.00	PR	2,132.75	CONANT, C	01/15/84			
	21 - 876.77	GLOVE, COTTON, 10 OZ, RNI	144.00	PR	22.17	CONANT, C	01/31/84			
	23 - 975.77	GLOVE, LEATHER, CAPELIN,	48.00	PR	144.19	BRACY, M.A.	01/27/84	*		
	24 - 1116.99	GLOVE, LEATHER PALM, IOP	144.00	PR	289.13	CONANT, C	01/16/84	*		
	2C - 1939.00	GLOVE, LEATHER PALM, IOP	144.00	PR	223.13	BRACY	01/15/84	*		
	29 - 1230.99	GLOVE,SURGICAL,MENS,WHITE	24.00	PR	8.91	MINNEMOTOM	01/20/84			
	22 - 2229.99	GREASE, SILICONE, HIGH V4	12.00	EA	77.00	SCHART	01/27/84			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0513

TOTAL NUMBER OF DISBURSEMENTS: 10
TOTAL VALUE OF DISBURSEMENTS: 3,171.79

PROGRAM: R2450A2C
DATE: 01/31/88

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 8

COST CONTROL CENTER: 8522 - 323M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 321M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESI SIGN	SEN ITEM	CONTRACTOR PICK UP
8321M00	1 - 1170.00	UNISTRUT PETTIMOS, P-4047	48.00	EA	72.48	CAREY	01/24/84			*
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	4 - 470.00	ABRASIVE, CLOTH, EMERY, 9	500.00	SHT	199.74	SANDERS	01/30/84			*
	4 - 1020.00	ABRASIVE, PAPER, 9 X 11 I	500.00	SHT	111.51	SANDERS	01/31/84			*
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	130.00	EA	114.92	MARLIN	01/15/84			
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	330.00	EA	314.37	HALLFORD	01/17/84			
	4 - 5104.00	CARTON, SINGLEWALL CARDBO	3.00	EA	2.03	321M	01/24/84			
	4 - 8CA0.00	HOOKS, SNAPS, FOR SHOWER	200.00	EA	8.40	SANDERS	01/20/84			*
	4 - 9109.00	HOSE GARDEN, BLACK, 3/4 I	2.00	EA	39.99	BOWMAN	01/13/84			
	4 - 8810.00	NOZZLE, GARDEN HOSE 3/4 I	3.00	EA	17.04	BOWMAN	01/13/84			
	4 - 29285.00	SLEEVE, LEAD TERDER, SIZE	1,000.00	EA	10.00	DICRIMSON, M.G.	05/03/84			
	4 - 29440.00	TAPE, FABRIC, 4 IN., OILY	32.00	RL	49.00	COOR	01/17/84			
	4 - 29720.00	TAPE, MASKING, 2", 60 YD	-8.00	RL	-21.04		01/02/84			
	4 - 29730.00	TAPE, MASKING, 3 IN.,	4.00	RL	15.74		01/06/84			
	4 - 29860.00	TAPE,PLASTIC FILM,3 IN. P	12.00	RL	39.60	JOHNSON LE RM117	01/21/84			
	5 - 4318.00	PADLOCKS, 1 5/8 IN WROUGH	12.00	EA	40.20	COOR,R RM-117	01/30/84			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	12 - 327.00	BATTERY, MIRALITE, T.S V.	36.00	EA	18.36	CAREY	01/10/84			
	12 - 375.00	BATTERY, ORYCELL, 17/32 R	12.00	EA	2.78	HOLLOWAY RM-117	01/30/84			
	14 - 1703.00	PART FOR HELIARC MM-17 IO	36.00	EA	42.84	SANDERS	01/28/84			*
	14 - 2045.00	PART FOR HELIARC MM 17 OR	40.00	EA	75.00	SANDERS	01/28/84			*
	20 - 190.00	CAP, SURGEON, CLOTH, BROW	400.00	EA	504.00	HOLLOWAY	01/04/84			
	20 - 190.00	CAP, SURGEON, CLOTH, BROW	440.00	EA	334.40	CAREY	01/20/84			
	20 - 260.00	COAT, LABORATORY, BROWN	-4.00	EA	-35.00	COORE	01/04/84			
	20 - 260.00	COAT, LABORATORY, BROWN	9.00	EA	83.25	CAREY	01/31/84			
	20 - 845.00	GLOVES, "KEVLAR", JERRY N	144.00	PR	2,139.75	CARNES	01/08/84			
	20 - 845.00	GLOVES, "KEVLAR", JERRY N	144.00	PR	2,131.75	MORGAN	01/10/84			
	24 - 878.00	GLOVE, COTTON, 10 OZ, RNI	288.00	PR	144.91	HOLLOWAY	01/04/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, RNI	300.00	PR	144.48	BOWMAN	01/10/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, RNI	300.00	PR	144.48	SANDERS RM-117	01/30/84			
	20 - 1044.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	BOWMAN	01/09/84	A		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	HOLLOWAY	01/31/84	*		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	RUNNELLS	01/17/44	A		
	20 - 1840.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	COLLAR	01/23/84	*	A	
	20 - 1948.00	GLOVE, LEATHER PALM, IOP	144.00	PR	374.34	JOHNSON	01/20/84	A	*	
	23 - 1188.05	GLOVE, NEOPREME, DRY BOX,	12.00	PR	301.80	HALLFORD	01/20/84		*	
	23 - 1190.00	GLOVE, NEOPREME, DRY BOR,	14.00	PR	533.09	HALLFORD	01/17/84			
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.00	HOLLOWAY	01/13/84	*		

PROGRAM: F2A[illegible]
DATE: 01/11/85

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 2

COST CONTROL CENTER: D522 - 12[illegible] FUEL PREP - SUB A[illegible]
MANAGER: J W AUN[illegible]LS
LOCATION: 121M/RM1[illegible]

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESO SION	SEM ITEM	COUNTER PICK UP
5122M55	20 - 1700.90	SOCK, COTTON, WHITE, MENS	-72.35	PR	-60.48		01/[illegible]/86	*		
	20 - 1700.9[illegible]	SOCK, COTTON, WHITE, MENS	180.30	PR	171.05	JOHNSON	[illegible]/[illegible]/85	*		*
	21 - 310.32	GLASSES , SAFETY PRESCRIP	1.45	PR	11.62	WALKER	[illegible]			
	21 - 3[illegible]9.5C	GLASSES , SAFETY PRESCRIP	1.05	PR	11.75	[illegible]	[illegible]			
	21 - 345.05	[illegible] PLAIN LENS WITH	24.C0	PR	65.40	PR[illegible]UX	01/12/84			
	21 - 365.[illegible]	GLASSES, SAFETY, 5.55 CUR	6.00	PR	51.55	[illegible] E01	[illegible]			
	21 - 1[illegible]5.C0	[illegible], FLIP FAD	6.00	EA	1C2.05	CAPEY	[illegible]			*
	21 - 1570.50	HOLDER, PLASTIC, FOR HOLD	-6.05	EA	-74.89		[illegible]/2[illegible]/[illegible]			
	21 - 1070.50	HOLDER, PLASTIC, FOR HOLD	6.05	EA	74.89	CAPEY	11/20/[illegible]			*
	21 - 1274.95	[illegible]E, SAFETY, RED AND WHI	1.05	[illegible]	21.05	HE[illegible]WAY AM-1[illegible]	01/22/[illegible]			
	[illegible]2 - 37.50	[illegible] [illegible] CODE A-408,	225.00	[illegible]	765.00	[illegible]	[illegible]/1[illegible]/[illegible]			
	2[illegible] - 795.50	[illegible]IC, ANTIFREEZE,	445.05	GAL	1,C31.20	[illegible]	[illegible]/C7/E5			
	[illegible] - 1555.55	[illegible], 10-02 C	12.00	EA	43.70	HOLLOWAY	01/15/[illegible]			
	[illegible] - 2110.5C	[illegible]T, DOOR EASE, STT	30.00	EA	31.32	CORNEI	01/03/[illegible]			
	21 - 275.35	ALUMINUM FOIL, HEAVY DUTY	10.00	RL	455.42	MALIE[illegible]O	0[illegible]/25/85			
	21 - 42[illegible].05	BAG, POLYETHYLENE, 28 X 6	105.[illegible]5	EA	1[illegible]5.35	HOLLOWAY	01/15/[illegible]			
	21 - [illegible]	BAG, POLYETHYLENE, FLAT M	[illegible]30.00	EA	12.51	[illegible]	01/C2/[illegible]			
	[illegible] - [illegible]	[illegible], BOTTLE, SAFETY,	4.C5	EA	81.77	[illegible]	[illegible]/14/[illegible]			
	[illegible]1 - 14512.[illegible]	[illegible], COFFEE STIRR	6.05	BX	45.55	[illegible]	01/C1/[illegible]			
	2[illegible] - 587.[illegible]	[illegible] SAFETY SHOE, STYL	1.00	PR	45.12	S.ASP[illegible]	01/2[illegible]/85			
	[illegible]5 - [illegible]	[illegible], 9 1/2 X	1.00	CS	15.75	D[illegible]SON, H.C.	01/C3/[illegible]			
	31 - 920.55	RIBBON, 15 IN X 20 YD X 6	12.05	EA	148.30	D[illegible]SON, H.S.	01/0[illegible]/C5			
	[illegible] - 925.00	RIBBON, 15 IN X 28 YD X 4	12.00	EA	[illegible]68.55	[illegible]	01/30/85			*
	[illegible] - 1300.[illegible]	RIBBON, HAND-WIND PROCESS	12.30	BX	174.01	PR[illegible]UK,G RM[illegible]	01/11/85			
	55 - 13455.C5	FILTER, EXHAUST, HEPA, FI	12.00	EA	2,311.60	S. [illegible]ESTER	0[illegible]/17/[illegible]			
	50 - 16655.52	FILTER, EXHAUST, HEPA, FI	20.00	EA	1,158.70	S. [illegible]ESTER	01/21/86			
	[illegible]5 - 17445.[illegible]	FILTER, PANEL, DACRON, 1	24.00	EA	96.00	S. [illegible]ESTER	0[illegible]/1[illegible]/85			
	55 - 17445.52	FILTER, PANEL, DACRON, 1	24.00	EA	96.00	S. [illegible]ESSIER	01/2[illegible]/80			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 75
TOTAL VALUE OF DISBURSEMENTS: 24.1A8.29

PROGRAM- F[illegible]
DATE- 01/01/8[illegible]

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 1

COST CONTROL CENTER: D552 - SPEC SERV-TOOL GUAGE CONT
MANAGER: P C MAHONEY
LOCATION- 311M/RM120

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	RESO SION	SEM ITEM	COUNTER PICK UP
0560M00	5 - 060.00	CREAM, INDUSTRIAL, SKIN C	10.00	EA	77.50	GURNEY	01/02/86			
	6 - 4805.00	SAFETY LOCKOUT BOX 5" WID	1.00	EA	81.71	PK CURNEY	71/07/86			
	6 - 4805.80	SAFETY LOCKOUT BOX 1" WID	1.00	EA	05.71	GRIMM RM-165	41/10/86			
	6 - 0500.00	HASP, SAFETY, STEEL 4 1/2	60.00	EA	50.00	PK GURNEY	41/07/06			
	6 - 29350.00	TAG, ALUMINUM, W/WIRE, 1	500.06	EA	90.00	CHESNA	71/21/86			*
	6 - 29670.00	TAPE, FILAMENT, TRANSPARE	A.00	RL	56.77	CRIMM	01/21/E0			*
	6 - 20750.00	TAPE, MASKING, 1 IN.,	10.00	RL	10.40	GURNEY RM-165	01/08/06			
	6 - 20710.00	TAPE, MASKING, 5 IN.,	2.00	RL	7.08	CURNEY	01/30/84			
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	40.08	EA	91.20	GURNEY RM-165	01/10/86			
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	14.00	EA	82.00	GRIMM RM-165	71/10/86			
	5 - 2000.00	DEVICE, SAFETY LOCKING, S	40.00	EA	01.16	GRIMM	41/23/86			*
	5 - 2090.00	DEVICE, SAFETY LOCKING, S	2.00	EA	6.55	GGRIMM	01/24/06			
	5 - 2010.00	FLASHLIGHTS, 5 CELL,	3.00	EA	0.98	GRIMM CTF	01/06/84			
	12 - 327.00	BATTERY, ALKALINE, 1.5 V,	12.80	EA	6.12	GRIMM CTF	01/46/A6			
	12 - 13500.00	LOCK, 1/4 IN SHAFT,	1A.00	EA	66.62	PK CURNEY	01/07/06			
	14 - 6150.00	SHEETING, POLYETHYLENE .0	1.00	RL	50.68	GURNEY	01/08/06			
	20 - 280.00	CAP, CRAZY, SIZE 7 X6805	10.00	EA	10.50	BASNIGHT	01/16/85			
	20 - 209.00	CAP, CRAZY, SIZE 7 66R05	2.00	EA	5.70		71/17/06			
	20 - 215.00	CAP, CRAZY, SIZE 7-1/2 06	4.00	EA	12.28	GRIMM RM-165	01/06/86			
	20 - 470.00	GLOVE, COTTON, 10 OZ, KNI	144.00	PR	00.09	CRIMM CTF	01/06/86			
	20 - 070.00	GLOVE, COTTON, 10 OZ, KNI	200.00	PR	160.01	GRIMM	61/24/86			
	20 - 800.00	GLOVE, COTTON, PRESHRUNK,	144.00	PR	90.72	GRIMM	01/20/8A			
	20 - 050.00	GLOVE, LEATHER CAPESKIN,	24.00	PR	44.64	BASNIGHT	01/14/06	*		
	20 - 975.00	GLOVE, LEATHER, CAPESKIN,	144.00	PR	416.07	CURNEY RM-165	61/10/86	*		
	20 - 075.00	GLOVE, LEATHER, CAPESKIN,	144.00	PR	416.07	BASNIGHT	01/16/86	*		
	20 - 1140.00	GLOVE, SURGICAL, MENS, WH	412.00	PR	221.21	GURNEY	01/08/A6			
	20 - 1100.00	HOOD, ZERO, MED, WEIGHT	25.00	EA	20.56	GRIMM	01/21/86			*
	20 - 1470.00	JACKET, RUBBER, RAIN OR A	14.00	EA	160.40	CHESSNA JC CTF	01/21/86			
	21 - 1605.0A	PADLOCK -SAFETY 1-1/4" LA	16.00	EA	257.7A	GRIMM CTF	01/06/06			
	21 - 1605.00	PADLOCK -SAFETY 1-1/4" LA	60.00	EA	2A6.40	GURNEY RM-165	01/10/06			
	21 - 1605.00	PADLOCK -SAFETY 1-1/4" LA	60.00	EA	2A6.40	GIMMMS	01/21/86			*
	21 - 1620.00	PAD, STEP-OFF, 25 X 18 IN	30.00	EA	69.00	PK CURNEY	01/07/06			
	21 - 1620.00	PAD, STEP-OFF, 25 X 38 IN	100.00	EA	00.00	CHESNA	01/21/06			*
	21 - 1601.07	HOSE 1/8" ID, 50 FT., BRE	10.00	EA	185.10	GRIMM RM-165	01/10/86			
	21 - 1601.07	HOSE 1/8" ID, 50 FT., BRE	2.00	EA	10.02		01/17/86			
	25 - 1820.00	BOTTLE, POLYETHYLENE	30.00	EA	16.06	GRIMM CTF	01/06/06			
	21 - 1850.00	BOTTLE, POLYETHYLENE, F/N	50.00	EA	22.79	GRIMM CTF	61/06/86			
0150M00	2 - 520.80	LUMBER, PINE, YELLOW, 10X	70.08	FC	501.12	HALBROOKS	01/06/06			
	6 - 10165.00	PALLET, HARDWOOD,	50.00	EA	110.90	HALBROOKS	01/06/86			
	6 - 10165.00	PALLET, HARDWOOD,	75.00	EA	776.25	HOLSTON	01/22/A6			
	6 - 10163.00	PALLET, HARDWOOD,	26.00	EA	260.66	HOLSTON	01/27/86			
	6 - 11630.00	UTILITY WIPES, 14 X 26 IN	6.00	CS	197.36	AIL	01/02/85			
	6 - 13980.00	SCREW, CAP, SOCKET HEAD,	30.00	EA	15.50	AIL	01/11/06			*
	6 - 20450.00	SCREW, MACHINE, FLAT HEAD	100.00	EA	1.05	AIL	01/28/06			*
	6 - 20500.00	SCREW, MACHINE, FLAT HEAD	200.00	EA	2.00	AIL	01/20/86			*
	6 - 21150.00	SCREW, SET, SOCKET HEAD,	100.00	EA	2.00	AIL	01/20/06			*

PROGRAM: F245CT2C
DATE: 07/28/86

MONTHLY
STORES DISBURSEMENT REVIEW

COST CONTROL CENTER: D515 - 320M TARGET PREP SUB ACCT
MANAGER: N A BRADY
LOCATION- 320M

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	BEST SIGN	SEM ITEM	COUNTER PICK UP
0020M00	3 - 048.00	CREAM, INDUSTRIAL, SKIN C	5.00	EA	23.25	COWARD	02/18/86			
	3 - 1288.00	ENAMEL, AEROSOL SPRAY PAI	36.00	CAN	54.00	COWART	02/14/86			
	3 - 4180.00	PAINT, INTERIOR, CORRIDOR	1.00	GAL	8.91	COWART	02/04/86			
	4 - 5920.00	CLOTH,CURITY,12 IN,X 18 1	500.00	EA	138.00	COWART BM-5	02/18/86			
	12 - 305.C0	BATTERY, 1.5 V, ALKALINE,	24.00	EA	6.24	PANNINGTON, W.H.	02/24/86		*	
	12 - 315.00	BATTERY, ALKALINE, 1.5 V,	1.00	EA	0.81	VINCENT, J	02/04/86		*	
	20 - 10.00	APRON, VINYL PLASTIC, 29	24.00	EA	21.36	COWART, C.	02/10/86			
	21 - 559.50	GLASSES , SAFETY PRESCRIP	1.00	PR	57.15	WATTINE, JE	02/14/86			
	22 - 2128.00	GREASE, SYNTHETIC, SILICO	3.00	EA	24.25	COWART	02/04/86			
	25 - 14915.00	STICK, WOOD, COFFEE STIR	5.00	BX	31.58	BRANDY	02/18/86			

SUMMARY STATISTICS FOR COST CONTROL CENTER D513

TOTAL NUMBER OF DISBURSEMENTS: 10
TOTAL VALUE OF DISBURSEMENTS: 324.41

MONTHLY
STORES DISBURSEMENT REVIEW

COST CONTROL CENTER- D522 - 321M FUEL PREP - SUB ACCT
MANAGER: J C BUNNELS
LOCATION- 321M/BMEZY

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	BEST SIGN	SEM ITEM	COUNTER PICK UP
0321MC0	3 - 640.00	BRUSH, SASH TOOL, FLAT, B	12.00	EA	21.24	HOLIDAY	02/22/86		*	
	3 - 726.00	BRUSH, FLAT, TAP SIZE- 1"	12.00	EA	58.68	CARNES	02/[illegible]/86		*	
	3 - 720.00	BRUSH, FLAT, TYP SIZE- 3"	12.00	EA	58.68	JOHNSON	02/13/86		*	
	3 - [illegible]	COVER, PAINT ROLLER, 1-1/	12.00	EA	39.60	CARNES ID	02/[illegible]/86			
	3 - 841.00	COVERS, PAINT ROLLERS, 6"	12.00	EA	11.88	CARNES	02/10/86			
	3 - 847.00	COVERS, PAINT ROLLERS, [illegible]	48.00	EA	41.52	JOHNSO	02/13/86			
	3 - 1165.00	ENAMEL, FLOOR, DECK & PAT	8.00	GAL	82.16	HOLIDAY	02/14/86			
	3 - 1152.00	ENAMEL, MACHINERY, GREEN	2.00	GAL	24.00	CARNES	02/12/86			
	3 - 1152.0[illegible]	ENAMEL, MACHINERY, GREEN	2.00	GAL	24.82	JOHNSON	02/13/86			
	3 - 1152.[illegible]	ENAMEL, MACHINERY, GREEN	4.00	GAL	49.68	CARNES	02/14/86			
	3 - 1840.00	PAINT, ALUMINUM HEAT-RESI	4.00	GAL	53.60	CARNES	02/16/86			
	3 - [illegible]	POT, PAINT, PLASTIC, WITH	8.00	EA	1.52	[illegible]	02/10/86			
	3 - [illegible]	POT, PAINT, PLASTIC, WITH	24.00	EA	22.56	CARNES	02/14/86			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	3 - 2640.[illegible]	TRAY, PAINT ROLLER, 11 IN	12.00	EA	15.76	HOLIDAY	02/[illegible]/86			
	3 - 4401.20	PAINT, INTERIOR, OFFICE C	4.00	GAL	30.12	CARNES	02/14/86			
	3 - 4401.[illegible]	PAINT, INTERIOR, OFFICE G	6.00	GAL	46.60	HOLIDAY	02/[illegible]/86			
	3 - [illegible]	PAINT, INTERIOR, OFFICE 6	1.00	GAL	8.02	JOHNSON	02/[illegible]/86			
	3 - [illegible]	PAINT, INTERIOR, CORRIDOR	1.00	GAL	8.57	JOHNSON	02/13/86			
	3 - [illegible]	PAINT, IMPRN, ALK, ALERT	2.00	GAL	56.00	CARNES	02/10/86			
	3 - [illegible]	PAINT, IMPRN, ALK, ALERT	1.00	GAL	28.0[illegible]	JOHNSON	02/13/86			
	3 - [illegible]	PAINT, IMPRN, ALK, ALERT	-5.00	GAL	-64.65	CARNES ID	02/14/86			
	4 - [illegible]	CHAIN , PLASTIC , YELLOW	1,000.00	FT	350.00	CARNES	02/[illegible]/86			
	4 - 5920.00	CLOTH,CURITY,12 IN,X 18 1	100.00	EA	22.00	CARNES	02/13/86			
	4 - [illegible]	HOSE GARDEN, HEAVY, 3/4 I	2.00	EA	39.99	HALLFORD	02/01/86		*	
	4 - [illegible]	NOZZLE, GARDEN HOSE 3/4 I	5.00	EA	11.04	HALLFORD	02/27/86			
	4 - [illegible]	TAPE, FILAMENT, TRANSPARE	36.00	RL	126.51	HALLFORD BM-111	02/27/86			
	4 - [illegible]	TAPE, FILAMENT, TRANSPARE	31.00	RL	340.65	HALLFORD BM-111	02/27/86			
	5 - [illegible]	CIDET BATTERY WAIT C-INCH	1.00	EA	18.91	JOHNSON	02/20/86		*	*
	5 - [illegible]	DEVICE, SAFETY [illegible], S	50.00	EA	113.05	CARNES	02/11/86			
	5 - 1126.[illegible]	CLEANER/REMOVER, EAR PENE	48.00	CAN	172.[illegible]	MERRIWEATHER	02/24/86			*
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	13 - [illegible]	HAMMER, MOLLER, SOFT FACE	12.00	EA	172.62	JOHNSTN BM-117	02/24/86			
	13 - [illegible]	TIP, PLASTIC, HAMMER FACE	10.00	EA	41.64	CAREY	02/[illegible]/86			
	13 - [illegible]	TIP, PLASTIC, HAMMER FACE	10.00	EA	101.40	CAREY	02/[illegible]/86			
	1[illegible] - [illegible]	CHART, IPUSH ELECTRICIANS	48.00	PE	134.41	MERRIWEATHER	02/[illegible]/86			*
	22 - 222.05	CAP, CRAZY, SIZE 6-7/8 AA	6.00	EA	11.60	HOLLEY	02/[illegible]/86			*
	22 - 225.[illegible]	CAP, CRAZY, SIZE 7 AIRCS	6.00	EA	11.18	HOLLEY	02/[illegible]/86			*
	22 - [illegible]	CAP, CRAZY, SIZE 7-1/8 AA	6.00	EA	13.50	CCE[illegible]	02/27/86			*

PPCSB4M: P2A58C2C
DATE: 02/28/84

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 2

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REST SIGN	SEN ITEM	COUNTER PICK UP
0321M00	20 - 211.00	CAP, CRAZY, SIZE 7-1/4 BA	6.00	EA	12.15	MOLLEY	02/20/84			*
	20 - 212.00	CAP, CRAZY, SIZE 7-1/8 BA	4.00	EA	12.10	MOLLY	02/20/84			*
	20 - 865.00	GLOVES, *KEVLAR*, TERRY W	144.00	PR	2,115.75	CARNES	02/11/84			
	20 - 870.00	GLOVE, COTTON, 10 OZ, KNI	-12.00	PR	-6.41	SANDERS	02/08/84			
	20 - 110.00	GLOVE, COTTON, LISLE LINE	72.00	PR	14.40	MALLFORD	02/21/84			
	20 - 150.00	GLOVE, LEATHER CAPSKIN,	72.00	PR	111.11	RUNNELLS	02/01/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPSKIN,	72.00	PR	205.20	RUNNELLS	02/06/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPESKIN,	12.00	PR	18.20	RUNNELLS	02/14/84	*	*	
	20 - 170.00	GLOVE, LEATHER CAPESKIN,	48.00	PR	114.00	MALLFORD	02/10/84	*	*	*
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	72.00	PR	181.17	RUNNELL	02/05/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.14	RUNNEL	02/04/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	574.14	BOLTMAN RM-117	02/07/84	*	*	
	20 - 1C40.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	MOLLOWAY	02/13/84	*	*	
	20 - 1C40.00	GLOVE, LEATHER PALM, TOP	72.00	PR	187.17	MALLFORD	02/10/84	*	*	
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	SANDERS	02/21/84	*	*	*
	20 - 1060.00	GLOVE, LEATHER PALM, TOP	144.00	PR	174.34	RUNNELL	02/27/84	*	*	*
	20 - 1110.00	GLOVE, SURGICAL, MENS, WH	100.00	PR	78.10	MALLFORD RM-111	02/27/84			
	20 - 1495.00	JACKET, CHOC BROWN, CANVA	1.00	EA	18.35	MALLFORD	02/21/84			
	20 - 1491.C0	JACKET, CHOC BROWN, CANVA	6.00	EA	125.00	MOLLOWAY	02/21/84			
	20 - 1415.00	JACKET, CHOC BROWN, CANVA	1.00	EA	13.12	MALLFORD	02/21/84			
	20 - 1425.00	JACKET, CHOC BROWN, CANVA	1.00	EA	31.41	EDURDO	02/01/84			
	20 - 15AA.00	OVERSHOE, SIORM TYPE, MEN	12.00	PR	81.18	BOLTMAN	02/04/84		*	
	20 - 1700.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.00	RUNNELLS	02/03/84	*	*	
	20 - 1100.00	SOCK, COTTON, WHITE, MENS	100.00	PR	171.10	RUNNELL	02/28/84	*	*	*
	21 - 241.00	PLUG, EAR, HEARING PROTEC	240.00	PR	12.00	SANDERS	02/21/84			*
	21 - 420.00	CLEANING & ANTI FOGGING F	12.00	EA	21.00	CARNES	02/01/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	57.50	MARTIN	02/10/84			
	21 - 534.50	GLASSES , SAFETY PRESCRIP	1.00	PR	37.71	BURTIES&UM.OE	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	11.71	SMITH.TO	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	11.71	SMITH.R	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	17.71	JAMES.AM	02/14/84			
	21 - 511.50	GLASSES , SAFETY PRESCRIP	1.00	PR	51.50	HUGHES	02/21/84			
	21 - 010.00	TISSUE,LENS,HEAVY DUTY,MA	10.00	PKG	11.34	CARNES	02/07/84			
	21 - 1065.00	HELMET, WELDING, FLIP FRO	6.00	EA	102.10	SANDERS	02/21/84			*
	21 - 1805.00	PADLOCK ,SAFETY 1-1/4" LA	50.00	EA	158.C1	CAREY	02/11/84		*	
	21 - 1811.30	MUFF, EAR, MAIN REPLACEAB	6.00	EA	28.10	SANDERS	02/21/84			*
	21 - 5270.00	ROPE, SAFETY, YELLOW AND	1.00	RL	23.11	MALLFORD	02/03/84			
	21 - 7540.00	FIRE EXTINGUISHER, DRI CH	1.00	EA	18.12	PO7755	02/21/84	*		
	22 - 00.00	OIL, DU PONT CODE A-40R,	136.00	Gal	176.00	CARNES	02/14/84			
	22 - 1015.00	LUBRICANT, CUTTING AND GR	12.00	Gal	112.11	SANDERS	02/26/84			
	22 - 1510.00	OIL, VACUUM, VERY LOW, *D	12.00	EA	57.11	SANDERS	02/28/84			
	22 - 1540.00	OIL, VACUUM, HIGH, DOW CO	10.00	EA	1,035.20	CARNES	02/10/84			
	23 - 270.00	ALUMINUM FOIL, HEAVY DUTY	12.00	RL	226.61	MALLFORD RM-117	02/27/84			
	23 - 420.00	BAG, POLYETHYLENE, 10 X 4	240.00	EA	51.28	MALLFORD RM-117	02/21/84			
	21 - 120.00	BEAKERS, STAINLESS STEEL,	2.00	EA	21.02	WATKINS	02/20/84			
	05 - 431.00	BEAKERS, STAINLESS STEEL,	2.00	EA	15.34	WATKINS	02/21/84			
	01 - 2400.00	BOILER, SPECIMEN VIAL, 8	8,875.00	EA	348.81	BUKI	02/21/84			
	05 - 400.00	DRAGER, RAPID SMDL, DIV	1.00	PR	35.51	RACHY WIAI7AMS	02/20/84			

MONTHLY
STORES DISBURSEMENT REVIEW

PAGE: 8

COST CONTROL CENTER: 0522 - 521M FUEL PREP - SUB ACCT
MANAGER: J W RUNNELS
LOCATION: 521M/RM121

COST CODE	CAP - ITEM	ITEM DESCRIPTION	QUANTITY DISBURSED	U I	DISBURSED VALUE	MATERIAL DELIVERED TO	DATE DISBURSED	REST SIGN	SEN ITEM	COUNTER PICK UP
0121M00	25 - 487.00	HY-TEST,SAFETY SHOE, STYL	3.00	PR	48.12	BOESY CARPENTER	02/2C/84			
	25 - 1281.00	RICO SAFETY SHOE STYLE 8	1.00	PR	45.12	W.H.SMITH	C2/25/85			

SUMMARY STATISTICS FOR COST CONTROL CENTER 0522

TOTAL NUMBER OF DISBURSEMENTS: 17
TOTAL VALUE OF DISBURSEMENTS: 14,211.61

Memo S. L. Tibrea from F. C. Rhode, DPSP-86-71-4, 4/22/86.

CC: D. W. Varn, 703-A, E-110S
J. P. Seymour, 703-45A
J. M. Davis, 703-45A
S. S. Cathey, 703-42A
J. C. Ayers, 320-5M
W. M. Olliff, 703-A, A-109
L. C. Green, 704-M
J. W. Runnels, 321-M
M. T. Hawkins, 321-M
S. P. Rideout, 703-H
A. E. Hadden, 703-A, A-113
D. J. Green, 704-M
S. P. Tinnes, 321-M
M. K. Marsh, 320-5M
Central File, 703-A

FCR:sbw
0718C:0048C

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: C016
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supporting Information	Category: ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title of Source Document: Interview/Ron Saun	
Source Document Reference Information (author(s), document and revision number, date, publisher): Revision, 6/4/2003	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
WS2, WS4, S7	1	SM labs (Rm. 4, 10, 61) had a fair amount of granular (BB like Be Metal) in glovebox operations. PP also had mg quantities, however, both buildings had less than 1% in any of the waste generated. SM 39 did have 1 glove box with leaded glass windows. SM might have generated TRU soil from the SW corner of the building during demolition of the foundation and removal of the sub soils. SM building D&D efforts started in 1968 thru 1971 until funding stopped. D&D resumed in 1979 thru 1996. PP building glove boxes were gutted and cleaned with Nitric Acid and 60 grit sand paper. A paint fixative was applied and then 2" to 6" of commercial foam was applied. The foam usage was stopped after it was found that the foam could produce phosgene gas if the foam was ignited. Glovebox waste was placed into cartons or paint cans and would be rejected if they had too much material, after going to gamma scan. Waste cartons that exceeded the gamma scan limits were sent back to be split into smaller units and then rescanned prior to being placed into a 30-gallon drum and then into a 55-gallon drum. The 30 and 55-gallon drums were sealed and bolted shut. PP building did have a "Carver Press" that used PCB oil. R building had a nickel carbonyl plating process.
WS8	1,2	Chemicals in SM, PP and R Buildings :Tetrachloroethylene Trichloroethylene Methylene chloride 1,1,1-Trichloroethane Carbon tetrachloride Chlorinated fluorocarbons 1,1,2-trichloro-1,2,2-trifluoroethane Ortho-dichlorobenzene 1,1,2-Trichloroethane Xylene Acetone Ethyl acetate Ethyl benzene Ethyl ether Methyl isobutyl ketone n-Butyl alcohol

COPY

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-008)		Source Document Tracking Number: C016
AK # [a]	**Source Doc. Page # [b]**	**AK Information Summary**
		Cyclohexanone Methanol Toluene Methyl ethyl ketone carbon disulfide Isobutonal Pyridine Benzene 2-ethoxyethanol 2-Nitropropane Cadmium Chromium Lead Nickel Silver Barium Mercury Selenium Hexachlorobenzene Hexachloroethane Nitrobenzene Pentachlorophenol Vinyl chloride 1,2-Dichlorobenzene1 1,4-Dichlorobenzene 1,1-Dichloroethylene 1,2-Dichloroethylene 2,4-Dinitrotoluene 1,1,2,2-Tetrachloroethane Liquid chemicals that were left over were evaporated
PR7	2	Major events that resulted in TRU waste generation include: In 1969 a leak in the waste transfer line from SM Building to WD Building occurred near the southwest corner of WD that resulted in TRU soil waste. SM had a fire/explosion in the SM-35 glove box line. SM operations had changed to hypalon coated gloves, the replaced glove box gloves were wiped/cleaned with nitric acid and then placed into an oven for drying. The nitric acid cleaning and oven drying caused the hypalon to break down producing hydrogen gas that ignited and exploded, blowing the windows off several glove boxes (the glove box windows were made of plexiglass).

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Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: C016

Source Document Data Limitations (if any):

1. Ron Sohn started working at the Mound plant from 1962 toa least the time of this interview and was conducted on hismemory of what he remembered from the past. No logbooks or notes were used to confirm this information but Mr Sohn had expertise on R,SM.and PP buildings.

Acceptable Knowlege Expert:

Jason Montoya Date: 10/19/10

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

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C016

Attachment 2 – Record of Communication

Waste Stream Numbers:	Corresponding Source Document #: C016	
Interviewer: J.L. McTaggart, B. Gutierrez	Date: 06/04/03 Revised 06/08/04 B.S.G.	Time: 10:00 A.M.
Interviewees: Ron Sohn	Group/Organization: R, SM, PP/38 1962-Present Job Title: RCT, Senior RCT, Lab Tech, Senior Lab Tech, Chemist, Developmental Engineer, Process Engineer, Project Engineer	Phone: 513-897-0907 Email: SOHN1956@AOL.COM

Subject: TRU Waste Generation

SM labs (Rm. 4, 10, 61) had a fair amount of granular (BB like Be Metal) in glovebox operations. PP also had mg quantities, however, both buildings had less than 1% in any of the waste generated. SM 39 did have 1 glove box with leaded glass windows.
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Trichloroethylene
Methylene chloride
1,1,1-Trichloroethane
Carbon tetrachloride
Chlorinated fluorocarbons,
1,1,2-trichloro-1,2,2-trifluoroethane
Ortho-dichlorobenzene
1,1,2-Trichloroethane
Xylene
Acetone
Ethyl acetate
Ethyl benzene
Ethyl ether
Methyl isobutyl ketone
n-Butyl alcohol
Cyclohexanone
Methanol
Toluene
Methyl ethyl ketone

COPY

Carbon disulfide Isobutanol Pyridine Benzene 2-Ethoxyethanol 2-Nitropropane Cadmium Chromium Lead Nickel Silver Barium Mercury Selenium Hexachlorobenzene Hexachloroethane Nitrobenzene Pentachlorophenol Vinyl chloride
1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethylene 1,2-Dichloroethylene 2,4-Dinitrotoluene 1,1,2,2-Tetrachloroethane Liquid chemicals that were left over were evaporated Major events that resulted in TRU waste generation include: In 1969 a leak in the waste transfer line from SM Building to WD Building occurred near the southwest corner of WD that resulted in TRU soil waste. SM had a fire/explosion in theSM-35 glove box line. SM operations had changed to hypalon coated gloves, the replaced glove box gloves were wiped/cleaned with nitric acid and then placed into an oven for drying. The nitric acid cleaning and oven drying caused the hypalon to break down producing hydrogen gas that ignited and exploded, blowing the windows off several glove boxes (the glove box windows were made of plexiglass).
Data Limitations: .

Acceptable Knowledge Expert: David Quintana Date: 5/24/05

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Data Limitations: Mr. Fifins recalled this information from memory without the use of logbooks or notes. This interview information is limited to the tim Mr.Figgins worked at the Mound plant.

Acceptable Knowledge Expert: Jim McSargent Date: 5/24/05

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: C016
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supporting Information	Category: ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
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Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

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Acceptable Knowlege Expert:

Jason Montoya Date: 10/19/10

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
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C016

Attachment 2 – Record of Communication

Page 1 of 1

Waste Stream Numbers:		Corresponding Source Document #: C016
Interviewer: J.L. McTaggart, B. Gutierrez	Date: 06/04/03 Revised 06/08/04 B.S.G.	Time: 10:00 A.M.
Interviewees: Ron Sohn	Group/Organization: R, SM, PP/38 1962-Present Job Title: RCT, Senior RCT, Lab Tech, Senior Lab Tech, Chemist, Developmental Engineer, Process Engineer, Project Engineer	Phone: 513-897-0907 Email: SOHN1956@AOL.COM

Subject: TRU Waste Generation

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Ortho-dichlorobenzene
1,1,2-Trichloroethane
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Acetone
Ethyl acetate
Ethyl benzene
Ethyl ether
Methyl isobutyl ketone
n-Butyl alcohol
Cyclohexanone
Methanol
Toluene
Methyl ethyl ketone

Carbon disulfide Isobutanol Pyridine Benzene 2-Ethoxyethanol 2-Nitropropane Cadmium Chromium Lead Nickel Silver Barium Mercury Selenium Hexachlorobenzene Hexachloroethane Nitrobenzene Pentachlorophenol Vinyl chloride
1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethylene 1,2-Dichloroethylene 2,4-Dinitrotoluene 1,1,2,2-Tetrachloroethane Liquid chemicals that were left over were evaporated Major events that resulted in TRU waste generation include: In 1969 a leak in the waste transfer line from SM Building to WD Building occurred near the southwest corner of WD that resulted in TRU soil waste. SM had a fire/explosion in theSM-35 glove box line. SM operations had changed to hypalon coated gloves, the replaced glove box gloves were wiped/cleaned with nitric acid and then placed into an oven for drying. The nitric acid cleaning and oven drying caused the hypalon to break down producing hydrogen gas that ignited and exploded, blowing the windows off several glove boxes (the glove box windows were made of plexiglass).
Data Limitations: .

Acceptable Knowledge Expert: [signature] Date: 5/24/05

Data Limitations: Mr. Fifins recalled this information from memory without the use of logbooks or notes. This interview information is limited to the tim Mr.Figgins worked at the Mound plant.

Acceptable Knowledge Expert: Jim McDaggett Date: 5/24/05

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: M062

Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☑ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☐ D - Discrepancy Resolution
☑ Additional Information	☑ M - Miscellaneous or Memo
	☐ P - Published Document or Controlled Database
	☐ I - Internal Procedure or Note
	☐ U - Unpublished Data

Title of Source Document: R and SW Buildings Sampling & Analysis Plan,and Additional Documentation (See Document Summary for Additional Documentation Titles)

Source Document Reference Information (author(s), document and revision number, date, publisher): Author: NA, Document Number and Revision: NA, Various

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR1, PR2, PR4, PR5, PR6, PR7, WS2, WS3, WS4, WS7, WS8, WS9, WS11, S5, S12	Throughout	R and SW Buildings Sampling & Analysis Plan, 4/02; E-mail to L. Turner from E.F. Hendrek, Re: Data Evaluation Summary, R/SW Phase 1 Soil Sampled May-June, 2002, 1/12/05; Table B-1, Analytical Results for TCLP Metals and Volatiles, no date; Data Review & Validation R/SW Phase 1 Metals, no date; Data Review & Validation R/SW Phase 1 PCB, no date; and Data Review & Validation R/SW Phase 1 VOA, no date R Building and SW Building are adjoining buildings. The buildings are bordered by Building 58 and former B Building (demolished) to the north, I Building to the west, and former E Building (demolished) to the east. There is a steep drop in topography approximately 100 feet southwest of the buildings. SW Building - Soil was collected from 6 boreholes & analyzed for VOCs, SVOCs, pesticides/PCBs, anions, inorganics, and radionuclides. The radionuclides results are in Table 1 (appendix B). Actinium-227, americium-241, protactium-231, plutonium, thorium, radium-226, and uranium were all reported at activities exceeding SLs. Be was reported above the 0.7 mg/kg RBGV and 1.3 mg/kb background in 2 samples at a max concentration of 2.8 mg/kg. All analytical results are provided in Appendix B. Appendix C provides Maps of the area.
PR6, WS2, WS3, WS8, WS9, WS11, S5	Throughout	Memo from E. F. Jendrek to Lisa Turner - Subject: Data Evaluation Summary, R/SW Phase 1 Soil Sampled May-June 2002 Description of Data Set Data was collected in May-June 2002 in accordance with the R and SW Sampoling and Analysis Plan. The purpose was to investigate the subsurface soils external to and in the vicinity of R and SW buildings. The plan called for 44 borings around the perimeter and R and SW buildings concentrating on the west and south sides of SW. Samples were collected in 2-foot composites down to bedrock refusal.

CCP RECORDS ORIGINAL
DATE REC'D 11-4-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)		Source Document Tracking Number: M062
AK # [a]	**Source Doc. Page # [b]**	**AK Information Summary**
		Chemical analytes of cencern included total metals, VOA, and PCBs. The rad characterization was for gamma spec, alpha spec (Pu, Th, & U), and tritium. There was no evidence of VOA in previous samplings, organic solvents were used in the R and SW buildings. Rinsates were collected at least once a day. They were measured only for radioactivity. No significant radioactive contamination was detected in the rinsates. Results of data verification and validation is as follows: - VOCs were detected at very low levels (ppb). All RCRA VOCs show them to be well below regulatory limits. - SVOCs Samples were field screened by PID for organic contamination. Only 3 samples gave any indication of contamination. These samples were shown by off site lab analysis to contain little to no VOCs. - RCRA metals were well below regulatory limits - PCBs - No Aroclors were detected in any of the samples with detection limits orders of magnitude below the regulatory limit. Table B-1 provides Analytical Results Data Review & Validation R/SW Phase 1 Metals Tables 3 and 4 provide analytical results Data Review & Validation (R/SW Phase 1 PCB Table 3 provides analytical results Data Review & Validation R/SW Phase 1 VOA Table 3 provides analytical results.

Source Document Data Limitations (if any):

1. none

Acceptable Knowlege Expert:

Sherry Auckland / Date: 10/27/2011

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

M062

R and SW Buildings

SAMPLING & ANALYSIS PLAN

Mound Plant
Miamisburg, OH

Final

April 2002

Department of Energy

BWXT of Ohio, Inc.

TABLE OF CONTENTS

Section Page

1.0 INTRODUCTION 1

1.1 HISTORICAL INFORMATION 1
1.2 PREVIOUS INVESTIGATIONS 2

2.0 OBJECTIVE 5

3.0 SAMPLING 6

3.1 LOCATION, COORDINATES, AND FREQUENCY 6
3.2 SOIL SCREENING AND COLLECTION 7
3.3 GROUNDWATER COLLECTION 8
3.4 ANALYTE JUSTIFICATION 8
3.5 DESIGNATION 9
3.6 PROCEDURES 9
3.7 QC SAMPLES 10
3.8 CONTAINERS, HOLDING TIMES, AND PRESERVATIVES 10

4.0 ANALYSES 10

4.1 ONSITE ANALYSES 11
4.2 OFFSITE GAMMA SPECTOMETRY 12
4.3 OFFSITE ALPHA SPECTROMETRY 12
4.4 OFFSITE BETA EMISSION COUNTING 12
4.5 OFFSITE TRITIUM ANALYSES 12
4.6 VOLATILE ORGANIC COMPOUNDS 12
4.7 METALS 13
4.8 POLYCHLORINATED BIPHENYLS 13
4.9 DATA REVIEW AND VALIDATION 13

5.0 EVALUATION AND REPORTING 13

6.0 REFERENCES 13

Tables

Table 1: SW Cave Area Investigation Radionuclide Results ..... Appendix B
Table 2: Boring Location Justification ..... Appendix B
Table 3: Radionuclide Analyte Justification ..... Appendix B
Table 4: Soil Contaminants of Concern ..... Appendix B
Table 5: Groundwater Contaminants of Concern ..... Appendix B
Table 6: Summary of Applicable SOPs ..... Appendix B
Table 7: Containers, Holding Times, and Preservatives ..... Appendix B

TABLE OF CONTENTS

(continued)

Figures

Figure 1: R/SW Location Map ..... Appendix A
Figure 2: Previous Sampling Locations with Detections Above Comparison Criteria ..... Appendix A
Figure 3: Previous Sampling Locations ..... Appendix A
Figure 4: Sampling Locations ..... Appendix A

Appendices

Appendix A Figures
Appendix B Tables
Appendix C Flow Diagrams
Appendix D Site Map with Utility Overlay
Appendix E Field Entry Form

Acronyms

bgs	below ground surface
COC	contaminant of concern
CRDL	contract required detection limit
D&D	decontamination and decommissioning
DOE	Department of Energy
DQO	data quality objective
FID	flame-ionization detector
ITRD	Innovative Treatment and Remediation Demonstration
MDA	minimum detectable activity
MEIMS	Mound Environmental Information Management System
PCBs	polychlorinated biphenyls
PID	photoionization detector
QC	quality control
RBGV	risk based guideline value
RCT	Radiological Control Technician
SAP	Sampling and Analysis Plan
SL	screening level
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
VOCs	volatile organic compounds

1.0 INTRODUCTION

This Sampling and Analysis Plan (SAP) has been prepared for the Buildings R/SW Phase I Investigation at the U.S. Department of Energy (DOE) Mound Plant, Miamisburg, Ohio. This SAP is intended to summarize specific methods and procedures used for fulfilling the Data Quality Objectives (DQOs) for the investigation.

R Building and SW Building are adjoining buildings. The buildings are bordered by Building 58 and former B Building (demolished) to the north, I Building to the west, and former E Building (demolished) to the east. There is a steep drop in topography approximately 100 feet southwest of the buildings. Figure 1 (Appendix A) presents a site map showing the building locations.

1.1 HISTORICAL INFORMATION

Research (R) Building was constructed in 1948. Various operations, including research and development activities, occurred in the "hot side" of R Building. These included tritium processing, plutonium processing, uranium extraction, thorium extraction, protactinium separations, and Purex waste and rare isotope research and development. The "cold side" of the building was not used for radiological work. It housed analytical laboratories, offices, and a library.

Semi-Works (SW) Building was constructed in 1950, and has since undergone 19 additions. The original structure housed functional areas 1A, 1B, and 1C. Area 1A included the Old Cave, which was a 100 square foot shielded (lead) hot cell used from 1952 to 1954 for the processing of radium-226 and actinium-227. Area 1B was initially used in the treatment of waste from the Old Cave, then later used for the Purex pilot plant. Area 1C includes the New Cave, which was initially used in transuranic processing operations and has more recently been used for repackaging of U-233 for removal from the site (Reference 1). Tritium processing, rare radioisotope production, and analyses were also performed in SW Building.

SW Building is characterized by a series of underground waste lines that drained either to sumps or to WD Building. Decontamination and decommissioning of the Old Cave system components was performed from 1955 to 1958. The cave foundation, pieces of equipment on the floor of the 1A treatment rooms, and the sumps were filled/surrounded with sand and gravel, and further entombed below 9 inches of concrete. Area 1B, which held waste treatment evaporator equipment, was capped with 3.5 inches of concrete.

1.2 PREVIOUS INVESTIGATIONS

Analytical results from previous investigations having sampling locations in the vicinity of this investigation area were reviewed. For the purpose of evaluating significance, sampling results for radionuclides have been compared to current screening levels (SLs); other contaminants have been compared to Risk-Based Guideline Values (RBGVs). The review is summarized below. The number of sampling locations presented reference only those located within the general R/SW investigation area that was queried.

Sampling locations that have analytes detected above comparison criteria are included in Figure 2. A map of all the sampling locations evaluated is presented as Figure 3.

B Building

Twelve surface soil samples were collected as part of the B Building Investigation in 2000. Samples were analyzed by gamma spectrometry. Lead-210 was detected above the 1.8 pCi/g SL in nine samples (B00B010 through B00B019) at activities ranging from 1.92 to 4.64 pCi/g.

E Building

Thirty-two surface soil samples were collected as part of the E Building Investigation in 2001. Samples were analyzed by gamma spectrometry. No radionuclides were reported at activities exceeding SLs.

Underground Lines Investigation

Nine borings were installed as part of the Underground Lines Investigation in 1993. Samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and radionuclides. No analytes were reported at activities exceeding comparison criteria.

Other Soils Investigation

Fifteen borings were installed as part of the Other Soils Investigation in 1995. Samples were analyzed for radionuclides and metals. Radium-226 was detected above the 2.1 pCi/g SL in the 0.5 to 4-foot and 4- to 5-foot samples of MND17-0556 at 2.26 pCi/g for both samples.

OU9 Radiological Site Survey

One borehole and 19 surface soil locations were sampled as part of the OU9 Radiological Site Survey in 1993, 1994, and 1995. Samples were analyzed for radionuclides. Cobalt-60 was detected above the 0.07 pCi/g SL in surface sample S0373 at an activity of 1 pCi/g. Cesium-137 was detected above the 0.76 pCi/g SL in surface sample S0373 at an activity of 1.6 pCi/g.

Sewer Line Investigation

Six boreholes were installed as part of the Sewer Line Investigation in 1987. Samples were analyzed for plutonium and thorium. Thorium-232 was detected above the 1.47 pCi/g SL in five of the boreholes (BH0892 through BH0894, BH0896, BH0897) at activities ranging from 1.6 to 5.8 pCi/g. The depths of these detections ranged from 11.5 to 15.5 feet below ground surface (bgs). Plutonium-238 was detected above the 55 pCi/g SL in BH0897 at 100 pCi/g.

SW Cave Area Characterization

In 1995, an investigation of the SW Cave room and eleven surrounding rooms was conducted as part of the decontamination and decommissioning (D&D) operations. Soil was collected from six boreholes installed beneath the room SW 136. Soil samples were

analyzed for VOCs, SVOCs, pesticides/PCBs, anions, inorganics, and radionuclides. The radionuclides results are presented in Table 1 (Appendix B). Activities reported above SLs are presented in bold. Actinium-227, americium-241, protactium-231, plutonium, thorium, radium-226, and uranium were all reported at activities exceeding SLs.

Arochlor-1260 was reported above the 0.385 mg/kg RBGV in 2 samples (MF1203, MF2203) at a maximum concentration of 1.0 mg/kg. Beryllium was reported above the 0.7 mg/kg RBGV and the 1.3 mg/kg background value in 2 samples (MF1203, MF4203) at a maximum concentration of 2.80 mg/kg. Vanadium was also reported above the 1,500 mg/kg RBGV in MF4203 at a concentration of 1,580 mg/kg.

Seeps

Seeps 0601, 0621, 0623, and 0625 are located within the R and SW Buildings area of influence. Seep 0601 has been monitored since 1986, and the other seeps have been monitored since the 1990s. Tritium has been the focus of most of the monitoring. Tritium has been detected in the water at activities exceeding the 2.35×10^4 pCi/l RBGV. The maximum tritium activity reported in water from these four seeps was 2.816×10^6 pCi/l. Other radionuclides detected in the water at activities above RBGVs include:

- radium-226 in Seep 0601 at maximum activity of 3.71 pCi/l (RBGV - 2.7 pCi/l),
- strontium-90 in Seeps 0601 and 0621 at a maximum activity of 46 pCi/l (RBGV - 1.4 pCi/l),
- thorium-230 in Seep 0601 at a maximum activity of 0.56 pCi/l (RBGV - 0.12 pCi/l), and
- uranium-234 in Seep 0601 at a maximum activity of 67 pCi/l (RBGV - 18 pCi/l).

Gamma Walkover Survey

A walkover gross gamma survey around R and SW Buildings was conducted in September and October 2001 to assist in selecting locations for intrusive measurements. The detector used was a Bicorn G-5 sodium iodide (FIDLER) probe. The rate of scan was approximately 0.5 feet/second with the probe within 1 inch of the surface. Five anomalies were identified as hot spots. Four of the hot spots were centralized to the south side of

SW Building near the Old Cave entombment. The fifth hot spot was located south of SW Building on the south side of the street. The hot spots were further qualified using a Canberra, high purity germanium detector. The radionuclides identified for the hot spots were as follows:

- Hotspot 1 – Ra-226 (6 µCi) at estimated depth of 10 cm
- Hotspot 2 – Ac-227 (100 µCi) at estimated depth of 25 cm and Ra-226 (10 µCi) at estimated depth of 15 cm
- Hotspot 3 – Ac-227 (100 µCi) at estimated depth of 25 cm and Ra-226 (10 µCi) at estimated depth of 15 cm
- Hotspot 4 – Ra-226 (3 µCi) at estimated depth of 15 cm
- Hotspot 5 – Th-232 (0.09 µCi) at estimated surface or very near surface depth.

The data were qualified to indicate that the numerical values were determined with the assumption of some defined depth, and estimates were actually based on measurements of radon daughters.

2.0 OBJECTIVE

This SAP is for the R/SW Phase I Investigation. The Phase I characterization will focus on subsurface conditions external to the building while the Phase II characterization will focus on subsurface conditions beneath the building and contamination associated with the infrastructure. The objective of the Phase I Investigation includes:

- measuring contaminant of concern (COC) concentrations relative to depth and distance from R/SW Buildings,
- evaluating analytical results against SLs and Cleanup Objectives presented in Table 4 and RBGVs presented in Table 5,
- establishing whether migration of contaminants has occurred along likely pathways, and
- providing a framework for planning and completing Phase II characterization.

The objective will be met by determining, within the limits of the plan, the depth to bedrock and the concentrations of COCs in the soil surrounding the buildings. This objective will be accomplished by:

- adhering to specified methods and procedures,
- collecting soil and groundwater samples at specific locations,
- analyzing soil and groundwater for COCs, and
- reporting the analytical results and investigation observations (Data Report).

3.0 SAMPLING

All sampling locations will be outside of the building footprint. Refer to the process flow diagrams presented in Appendix C for a summary of the soil sampling and sample collection protocols. Sample collection priorities are presented in these diagrams for use when the volume of media extracted is insufficient to fill all sample containers.

3.1 LOCATION, COORDINATES, AND FREQUENCY

Borings will be installed using direct push drilling techniques. Figure 4 presents the 44 initial boring locations. The rationale for the placement of the initial borings is presented in Table 2.

In order to define the lateral extent of the radiological contamination, additional borings will be drilled near initial borings that exhibit COCs above Cleanup Objectives/SLs in the onsite gamma spectrometry results. An attempt will be made to position these additional borings using a triangular grid system having a 12.6 foot grid spacing. This spacing was presented during the Innovative Treatment and Remediation Demonstration (ITRD) program (Reference 2) as a means of identifying a six-foot radius elevated area at a 95% confidence level. Actual placement of the additional borings may vary from this spacing depending on limitations posed by utilities and topography.

Practical considerations, such as distance between boring locations and utilities, were evaluated in developing this SAP. As illustrated in Appendix D, the sampling area is characterized by an extensive system of utility lines. The course of action taken to ensure that plant operations and personal safety are not adversely affected was to relocate the borings that were within 5 feet of an underground utility line. Borings B006 through B012 could not maintain this 5-foot separation distance from all underground utilities. As currently positioned, lockout/tagout of the fire line located west of SW Building will be required prior to drilling in these locations. In the event of conflicting information regarding live utility locations, borings may be relocated during the field effort. Utility clearance must be confirmed prior to drilling any boring that has been field relocated. Borings may also be eliminated if relocation cannot be reasonably accomplished. The final coordinates of all borings will be surveyed and reported in the Data Report.

3.2 SOIL SCREENING AND COLLECTION

Soil will be extracted in 2-foot lengths until a depth of six feet bgs is reached. Thereafter, soil will be extracted in 4-foot intervals. Extracted soil cores will be scanned by a radiological control technician (RCT) using a FIDLER or equivalent. Each 6 inches of soil core will be measured using the widest FIDLER channel and will be recorded by the RCT. In addition, all soil cores will be scanned for VOCs with a photoionization detector (PID) or flame-ionization detector (FID). A sample of the soil, biased to the core scan area with the highest volatile reading, will be divided with one aliquot placed in a sealed bag for headspace analysis and the other aliquot placed into a laboratory jar filled to the top to minimize volatile loss. If the headspace results confirm the presence of volatile organics, the laboratory soil sample(s) will be submitted for volatile organic analysis. The field form, presented as Appendix E, will be used to record the selection criteria. All other soil representative of that interval will be homogenized in a stainless steel bowl. The soil composite will be used for all other analyses. Samples for metals and polychlorinated biphenyls (PCBs) will only be collected at specified borings as presented in Figure 4.

Samples analyzed by the onsite laboratory will be archived for possible use in confirmatory offsite analyses.

3.3 GROUNDWATER COLLECTION

If groundwater is encountered in any of the boreholes, a grab groundwater sample will be collected. Groundwater will be extracted through the open borehole using a peristaltic pump, bladder pump, or by comparable means. Groundwater samples will be field filtered using a 0.45-micron filter unit. Only the filtered fraction will receive preservative.

3.4 ANALYTE JUSTIFICATION

COCs were identified based on historical information concerning the practices at the site and prior analytical data. The logic for the selection of the radiological COCs is summarized in Table 3. The maximum results and comparison criteria for each COC that were reported during prior characterization efforts are also presented in Table 3. Due to similarities in the types of processes that occurred within R and SW Buildings, analyses will not differ between the building soils.

Although considered COCs, the following radionuclides were excluded from the target analyte list for soils:

- Uranium-233: A small scale separation of thorium-229 from uranium-233 was conducted in the hot cell facility of the SW Building. Uranium-233 cannot be differentiated from U-234 through radiochemistry measurements. If U-238 is absent, any detections of U-234 will be considered an indicator of either U-233 or U-234 and will be compared to the more conservative response criteria.
- Strontium-90: Strontium-90 was a component of the reactor waste, which was processed on batch scale in R Building and pilot plant scale in SW Building. An assumption of relative Sr-90 activities will be made based upon onsite gross beta results and identification of other constituents of the reactor waste, including cesium-137 and cobalt-60. If further quantification is necessary to meet the objectives of this characterization, select samples will be submitted offsite for Sr-90 analysis by beta spectrometry.

Various types of organic solvents were used in the R/SW Building activities. For this reason, soil will be field scanned for volatile organics and submitted if the monitoring instrument suggests their presence. Metals and PCBs are COCs in the soils surrounding the cave area based on the historic SW Cave Area characterization results. Only soil

collected from borings B006 through B011 and B016 through B020 will be analyzed for metals and PCBs. The number of stable tritium in dry soil analyses has also been limited to soil collected from B005, B013, B018, B025, B031, B036, and B043; although all soil samples will be analyzed for tritium in soil moisture.

The offsite laboratory contract required detection limits (CRDLs) for offsite analyses are presented in Tables 4 and 5. The CRDLs meet the current screening levels with the exception of radium-228 in groundwater as footnoted in the table. Table 4 also presents cleanup objectives, which are based on the 10^{-5} RBGV and background value summation. If non-COC contaminants are identified as a result of performing analyses, they will be presented in the Data Report.

3.5 DESIGNATION

Soil and quality control (QC) samples will be identified and labeled according to procedures in Method S-028, Sample Control and Documentation, of the Methods Compendium (Reference 3). Sample identification labels will be used for each sample container. Sample containers will be sealed immediately after sample collection. Labels will be completed when possible, prior to fieldwork to minimize the handling of the sample containers. Each label will include the following information:

- -Sample identification
- -Parameters to be analyzed
- -Time and date of collection
- -Sampler's initials

Sample identification nomenclature is presented in Appendix E. Matrix Spike, Matrix Spike Duplicate, and any split samples will be identified on the field tracking sheet (Appendix E), but no unique QC code will be used for these samples.

3.6 PROCEDURES

Sample collection utilizing direct push drilling technology will be performed in accordance with manufacturer's procedures.

Field activities will follow standard operating procedures (SOPs) presented in the Methods Compendium (Reference 3). Applicable SOPs are summarized in Table 6, along with any planned additions or deviations.

Each soil sample will be field screened for radiological activities using a FIDLER and alpha scintillometer probe (or equivalents) by a RCT. These radiological activities will be appropriately documented in accordance with Mound procedure MD-80036.

3.7 QC SAMPLES

QC samples will be collected as follows:

- Field duplicates: 1 for every 10 soil samples, 1 for every 10 groundwater samples.
- Equipment rinsates: 1 for every 20 soil samples.
- Matrix spike: 1 for every 20 soil samples, 1 for every 20 groundwater samples.
- Matrix spike duplicates: 1 for every 20 soil samples, 1 for every 20 groundwater samples.
- Trip blank: 1 per shipping container that contains VOC samples.

With the exception of the field duplicates, the QC sample frequencies are achieved based on the number of offsite analyzed samples only.

3.8 CONTAINERS, HOLDING TIMES, AND PRESERVATIVES

Table 7 presents the container requirements, preservatives, and holding times for the required analyses.

4.0 ANALYSES

Soil, groundwater (if present), and QC samples will be submitted for analyses in accordance with this SAP.

4.1 ONSITE ANALYSES

All of the soil and groundwater samples will be submitted for onsite gamma spectrometry analysis, onsite alpha spectrometry, gross beta, and tritium in soil moisture. The onsite laboratory will be required to report non-detect COCs at minimum detectable activities (MDAs) less than the soil SLs presented in Table 4 and groundwater RBGVs presented in Table 5, with the exception of radium-228 in groundwater and protactinium-231 in soils. These two radioisotopes will be reported at the lowest MDA reasonably achievable. The onsite laboratory will adhere to analytical guideline procedures presented in Mound Environmental Manual MD-80030. Any radionuclides that are calculated based on an assumption of secular equilibrium with a daughter product will be identified with this premise in the analysis report.

The target analytes for onsite analyses are:

- Isotopic plutonium (Pu-238, Pu-239/240),
- Isotopic thorium (Th-228, Th-229, Th-230, Th-232),
- Isotopic uranium (U-233/234, U-238),
- Gross beta
- Protactinium (Pa-231),
- Bismuth (Bi-207, Bi-210m)
- Radium-228,
- Tritium in groundwater and soil moisture
- Tritium – stable fraction in dry soil (only from designated locations as presented in Figure 4), and
- Standard Gamma Spectrometry Analytes (Am-241, Ac-227, Co-60, Cs-137, Ra-226, Pb-210)

The gross beta results, in conjunction with Co-60 and Cs-137 results, will be used to determine if offsite analysis for Strontium-90 by Beta Emission Counting is warranted.

4.2 OFFSITE GAMMA SPECTOMETRY

Ten percent of the samples from each media collected will be submitted offsite for gamma spectrometry by Method A-015. Radium-228 will be requested in addition to the standard analyte list associated with Method A-015. The ten percent will be randomly selected from the sample set.

4.3 OFFSITE ALPHA SPECTROMETRY

Ten percent of the samples from each media collected will be submitted offsite for isotopic plutonium, thorium, and uranium by alpha spectrometry using Method A-012. In addition to the standard analyte list from Method A-012, soil will also be analyzed for protactinium-231, actinium-227, and thorium-229 by offsite alpha spectrometry. Groundwater samples and QC water samples will also be analyzed for americium-241, radium-226 and radium-228 by alpha spectrometry. The ten percent will be randomly selected from the sample set.

4.4 OFFSITE BETA EMISSION COUNTING

Only those samples that warrant further quantification for strontium-90 will be analyzed by Gas Flow Proportional Counting (beta emission) using Method A-016. This decision will be made by Project Management based on the results of the gross beta count and gamma spectrometry analysis.

4.5 OFFSITE TRITIUM ANALYSES

Ten percent of the samples from each media collected will be submitted offsite for tritium analysis by Method A-014. No soil samples will be sent offsite for stable tritium in dry soil analysis.

4.6 VOLATILE ORGANIC COMPOUNDS

Soil samples will be submitted for VOC analysis only if field screening indicates the presence of VOCs. Samples will be analyzed offsite by Method A-027.

4.7 METALS

Soil samples collected at designated locations (as presented in Figure 4) will be submitted for CLP target analyte list metals. Samples will be analyzed offsite by Method A-005.

4.8 POLYCHLORINATED BIPHENYLS

Soil samples collected at designated locations (as presented in Figure 4) will be submitted offsite for PCB analysis by Method A-030.

4.9 DATA REVIEW AND VALIDATION

All offsite analytical results will be reviewed for data quality. Since soil removal is considered to be a probable outcome of this characterization, data validation will not be required at this time.

5.0 EVALUATION AND REPORTING

Documentation of characterization activities and evaluation of associated data will be compiled into a Data Report. The Data Report will include:

- variances, if any, from the SAP,
- presentation of data,
- presentation of final sample coordinates and locations in tabular and graphic format,
- summary of data review,
- observations regarding the migration of contaminants, and
- a bedrock topography map extrapolated from the depths to bedrock recorded during the investigation.

6.0 REFERENCES

Reference 1 "Action Memorandum, Engineering Evaluation/Cost Analysis, Buildings R, SW, 58, and 68 Slab Removal", BWXTO Mound Plant, Miamisburg, OH, U.S. DOE, March 2001.

Reference 2 "Phase I Characterization Strategies for Subsurface Soils Adjacent to the SW and R Buildings", Innovative Treatment and Remediation Demonstration Program, MEMP, Miamisburg, OH, August 2001.

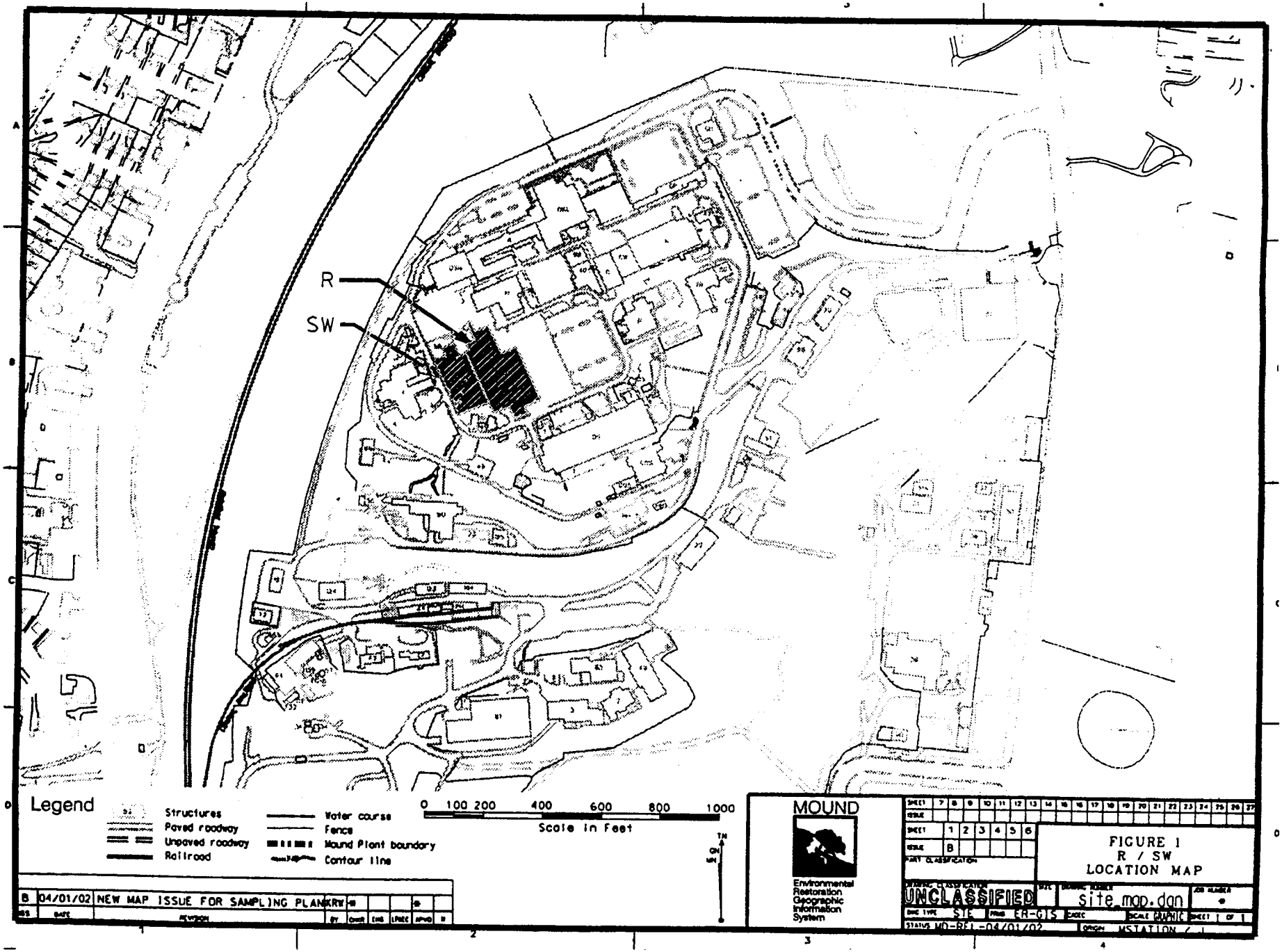
Reference 3 "Mound Methods Compendium", Technical Manual MD-80045, Issue 2, BWO Mound Plant, Miamisburg, OH, U.S. DOE, 22 January 2002.

Reference 4 "Risk Based Guideline Criteria, Final" Revision 4, EG&G Mound, Miamisburg, OH, March 1997.

Reference 5 "Operable Unit 9, Site Scoping Report: Volume 7 – Waste Management, Draft Final, 1992," EG&G Mound, Miamisburg, OH, 1992.

APPENDIX A

FIGURES


R
SW
Legend
Structures
Paved roadway
Unpaved roadway
Railroad
Water course
Fence
Mound Plant boundary
Contour line
0 100 200 400 600 800 1000
Scale in Feet
MOUND
Environmental Restoration Geographic Information System
FIGURE 1
R / SW
LOCATION MAP
UNCLASSIFIED
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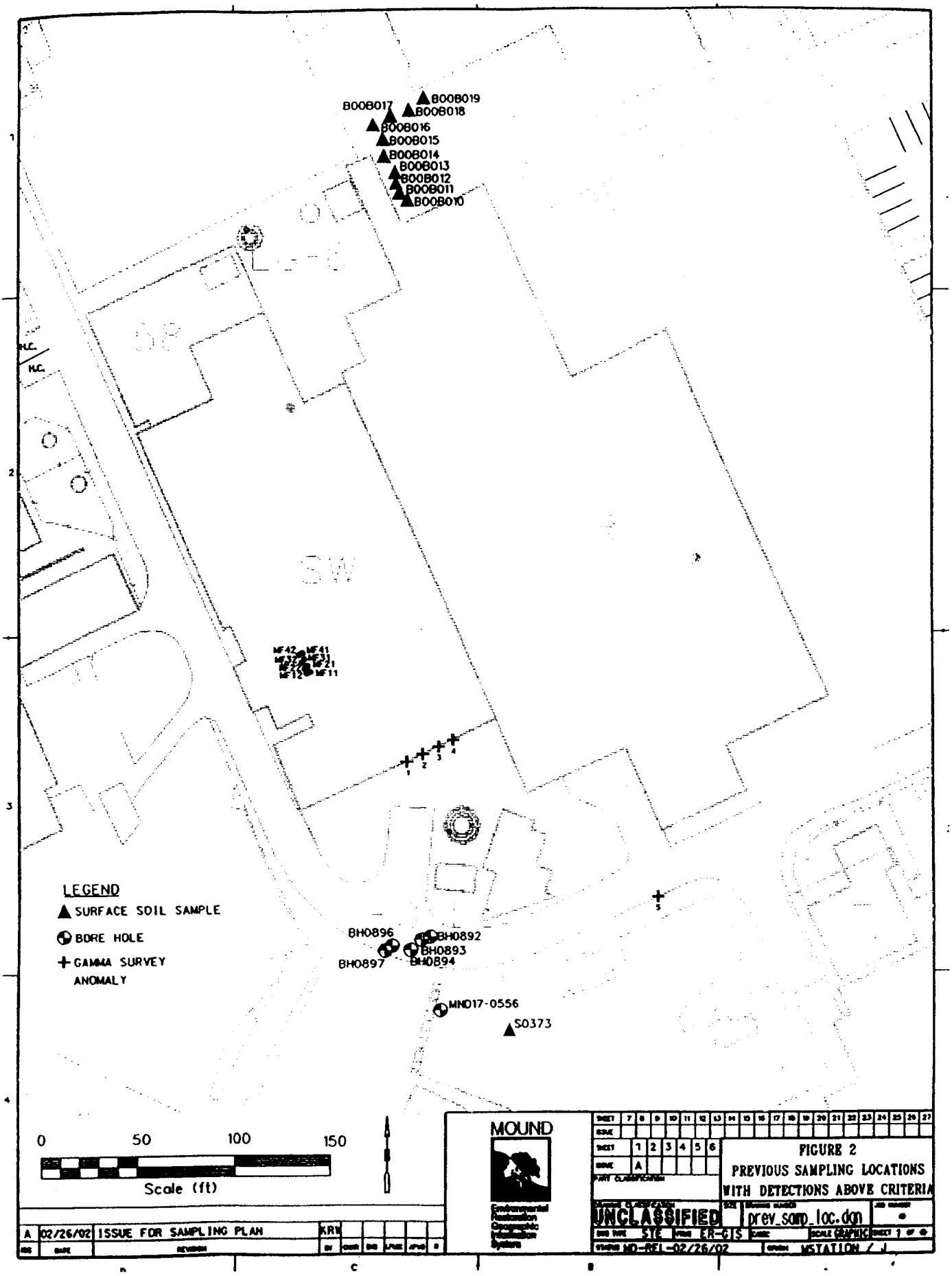
B 04/01/02 NEW MAP ISSUE FOR SAMPLING PLAN


B008019
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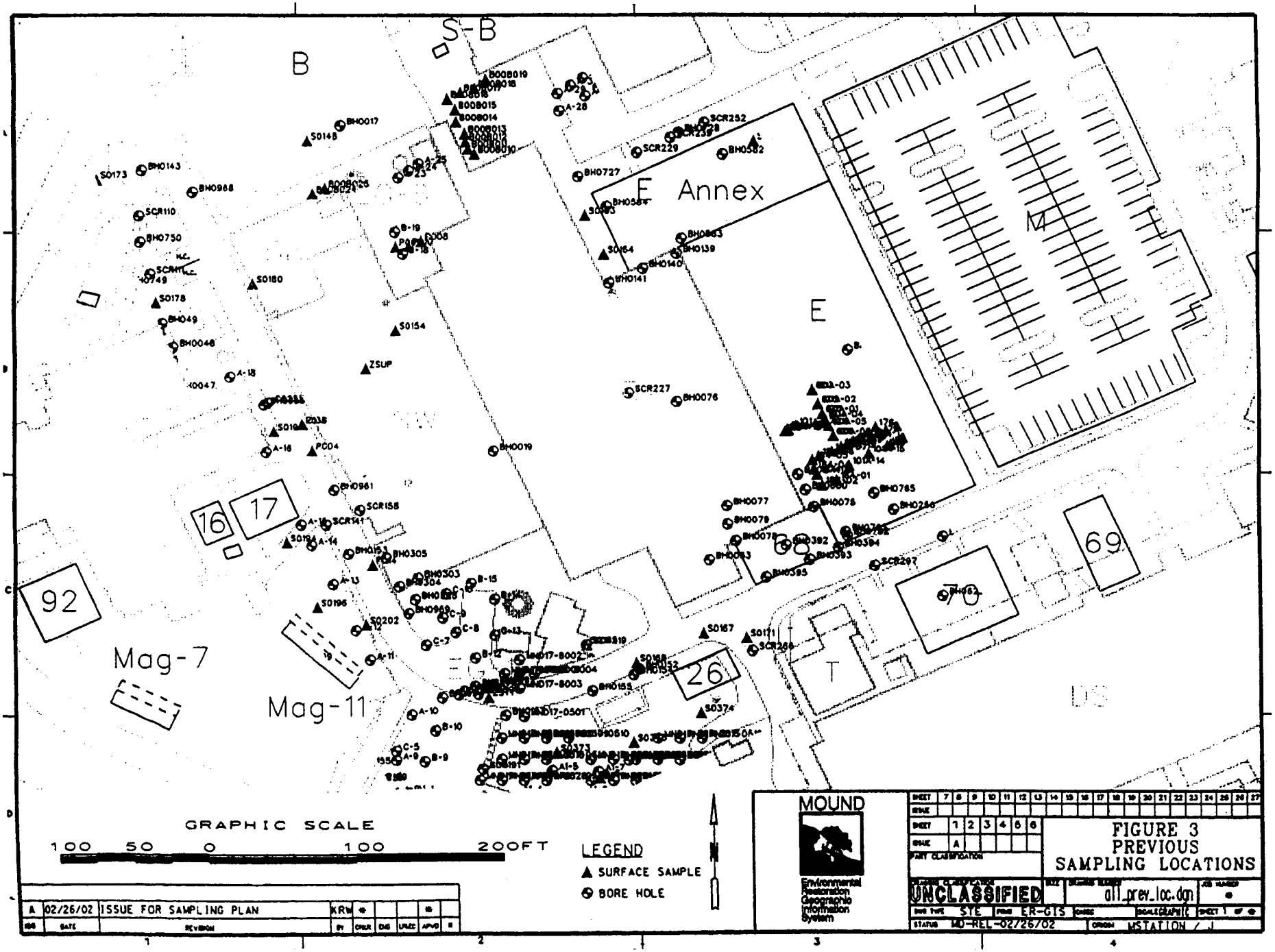
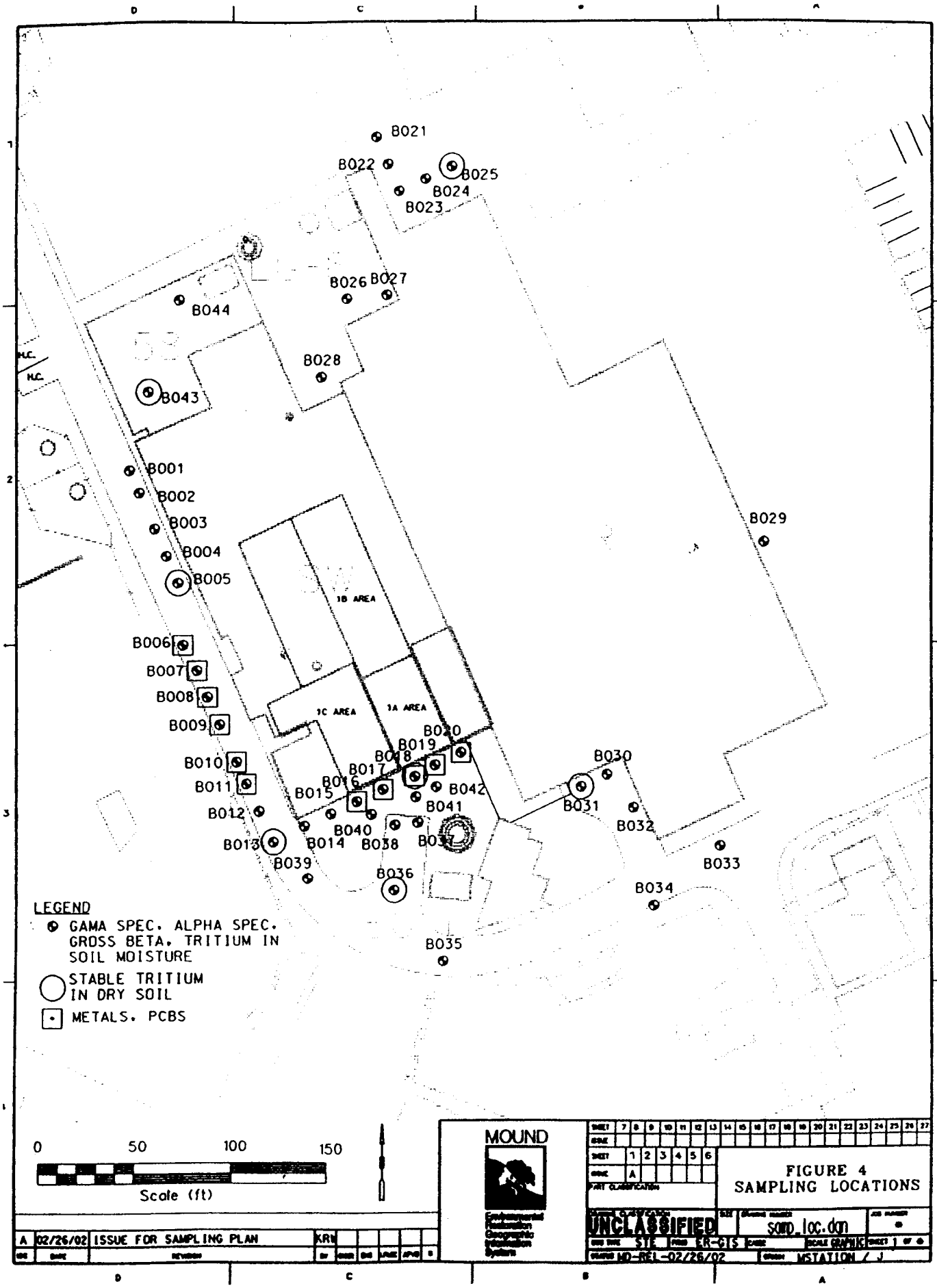
B008018
B008016
B008015
B008014
B008013
B008012
B008011
B008010
H.C.
H.C.
SW
MF42
MF41
MF21
MF11
LEGEND
SURFACE SOIL SAMPLE
BORE HOLE
GAMMA SURVEY ANOMALY
BH0896
BH0892
BH0893
BH0897
BH0894
MND17-0556
S0373
0
50
100
150
Scale (ft)
A
02/26/02
ISSUE FOR SAMPLING PLAN
KRT
MOUND
Environmental Restoration Geographic Information System
UNCLASSIFIED
prev_samp_loc.dgn
FIGURE 2
PREVIOUS SAMPLING LOCATIONS
WITH DETECTIONS ABOVE CRITERIA


B
S-B
F Annex
E
M
T
16
17
92
Mag-7
Mag-11
26
68
69
70
GRAPHIC SCALE
100 50 0 100 200FT
LEGEND
SURFACE SAMPLE
BORE HOLE
MOUND
Environmental Restoration Geographic Information System
A 02/26/02 ISSUE FOR SAMPLING PLAN KRW
UNCLASSIFIED
STE ER-GIS
MD-REL-02/26/02
MSTATION
FIGURE 3
PREVIOUS
SAMPLING LOCATIONS


B021
B022
B025
B024
B023
B026
B027
B044
B028
B043
B001
B002
B003
B004
B005
B029
1B AREA
B006
B007
B008
1C AREA
1A AREA
B009
B020
B019
B018
B010
B017
B016
B011
B015
B042
B041
B012
B040
B013
B014
B038
B037
B039
B036
B030
B031
B032
B033
B034
B035
LEGEND
GAMA SPEC. ALPHA SPEC. GROSS BETA. TRITIUM IN SOIL MOISTURE
STABLE TRITIUM IN DRY SOIL
METALS. PCBS
0
50
100
150
Scale (ft)
MOUND
Environmental Restoration Geographic Information System
UNCLASSIFIED
soil_loc.dgn
FIGURE 4
SAMPLING LOCATIONS
A 02/26/02 ISSUE FOR SAMPLING PLAN KRN
MD-REL-02/26/02
MSTATION / J

APPENDIX B

TABLES

Table 1: SW Cave Area Investigation Radionuclide Results (pCi/g)

		Sample ID:											
Analyte	Screening Levels	MF1101	MF1201	MF1202	MF1203	MF1204	MF1205	MF2101	MF2102	MF2201	MF2202	MF2203	MF2204
Ac-227	0.56	U	55.43	340.5	1280.27	569.37	388.88	0.28	0.15	U	0.27	U	8.8
Am-241	6.3	U	12.16	48.18	161.5	80.77	33.95 J	U	U	U	U	U	4.13 J
Pa-231	1	U	1.93	7.07	25.76	4.04	4.79	U	U	U	U	U	U
Pu-238	55	U	22.79	362.68	509.47	389.61	843.16	U	U	U	U	U	1.16
Pu-239/40	6.3	0.32	48.02	301.45	203.79	152.82	1434.83	U	U	U	U	U	1.51
Pu-241	NS	U	150.26	492.9	927.62	911.21	419.39	U	U	U	U	U	U
Pu-242	NS	U	U	U	U	U	U	U	U	U	U	U	U
Ra-226	2.1	U	41.11	53.14	1501	910.1	455.2	U	U	U	20.26	U	43.15
Th-229	0.5	U	4.66	89.59	263.61	108.18	97.5	U	U	U	U	U	2.68
Th-230	2.0	4.85	2231.52	21690.86	91834.42	30502.08	18200.57	1.23	3.26	2.71	4.3	U	175.05
U-232	NS	U	3.47	46.13	42.41	62.18	76.08	U	U	U	U	U	4.21
U-233/234	0.48	14.59	395.99	3964.2	4256.54	4851.08	5835.38	2.54	1.03	2.69	2.3	1.54	427.01

		Sample ID:										
Analyte	Screening Levels	MF2205	MF3201	MF3202	MF3203	MF3204	MF3205	MF4201	MF4202	MF4203	MF4204	MF4205
Ac-227	0.56	4.76	U	1.05	247.02	229.37	160.69	8.52	229.87	499.84	902.39	1680.07
Am-241	6.3	13.08	U	U	92.55	125.3	875.9	5.33 J	226.5	452.8	618.7	1893
Pa-231	1	U	U	U	6.57	4.4	6.23	U	U	27.99	7.05	11.41
Pu-238	55	1.92	U	4.3	136.69	114	317.44	2.71	5.7	834.9	1943.59	1285.11
Pu-239/40	6.3	3.46	U	5.22	232.68	189.78	557.99	5.25	115.01	1423.48	3261.97	2084.82
Pu-241	NS	U	U	27.55	1245.01	992.25	3071.27	14.89	2965.99	6414.92	8848.92	8077.06
Pu-242	NS	U	U	U	U	0.48	U	U	192.81	U	U	U
Ra-226	2.1	80.93	U	U	25.07	50.53	151.2	8.73 J	450.6	347.2	2135	3354
Th-229	0.5	1.1	U	1.05	81.51	54.6	40.83	1.1	34.76	355.34	372.71	511.21
Th-230	2.0	34.96	2.28	28.01	2954.22	3206.58	1714.58	69.22	14761.67	34283.93	31239.91	59611.44
U-232	NS	8.26	U	U	12.07	10.93	41.21	3.24	14.84	19.01	34.3	21.8
U-233/234	0.48	806.7	2.59	12.01	1227.56	1558.55	5585.4	336.94	3607.32	4732.94	3669.21	6241.72

Note: U – Compound was analyzed for, but not detected

Table 2: Boring Location Justification

Area/Condition	To Be Assessed with Borings
SW footprint surrounding cave areas and associated trenches and sumps	B001 through B020
Gamma walkover hotspots	B016 through B020, B034
Lead-210 reported in surface soils during B Building Investigation	B021 through B025
Perimeter areas not well characterized with historic data	B026 through B033, B043, B044
Utility lines that may have served as preferential flow paths	B035 through B039
Likely area for spread of contamination from SW-1A area by 1950 floods	B040 through B042

Table 3: Radionuclide Analyte Justification

COC	Max. Result pCi/g	SL pCi/g	Justification	Ref.
Cesium-137+D	1.6	0.76[e]	Previously identified above current screening level south of SW Building. Contained within the reactor waste processed on batch scale in R Building and pilot plant scale in SW Building.	§1.2, R5
Radium-226+D	3354	2.1[e]	Previously identified above current screening level south of SW Building. Component of the radium-actinium separations conducted in Old Cave of SW. Previously identified above current screening level in soils beneath SW-136.	§1.2, R5
Radium-228	None	1.47[e]	Recently identified in seeps samples.	
Cobalt-60	1	0.07	Previously identified above current screening level south of SW Building.	§1.2
Lead-210+D	4.64	1.8[e]	Previously identified above current screening level on north side of R Building. Lead-210 is associated with the polonium project.	§1.2
Americium-241	1893	6.3	Previously identified above current screening level in soils beneath SW-136.	§1.2
Actinium-227+D	1681	0.56[e]	Component of the radium-actinium separations conducted in Old Cave of SW. Previously identified above current screening level in soils beneath SW-136.	R5
Bismuth-207	None	0.175[a]	May be expected in connection with Co-60 and Bi-210m as part of the polonium project.	R5
Bismuth-210m	None	1.0[b]	Activation product of Bi-209. May be expected in connection with Bi-207 and Co-60 as part of the polonium project.	R5
Protactinium-231	27.99	1[c]	Projects were undertaken in R and SW to extract protactinium-231 from uranium refining raffinates. Pa-231 was also a component of Cotter Concentrate, processed in SW Building. Previously identified above current screening level in soils beneath SW-136.	§1.2
Plutonium-238	1,944	55[f]	Previously identified above current screening level south of SW Building. Component of the plutonium projected conducted in R Building. Processed in R Building as part of the Rare Isotope Program. Previously identified above current screening level in soils beneath SW-136.	§1.2, R5

Table 3: Radionuclide Analyte Justification (continued)

COC	Max. Result pCi/g	SL pCi/g	Justification	Ref.
Plutonium-239/240	3262	6.3[e]	Contained within the reactor waste processed on batch scale in R Building and pilot plant scale in SW Building. Previously identified above current screening level in soils beneath SW-136.	R5
Thorium-228+D	0.96	1.61[e]	Separated from neutron-irradiated radium-226 in the Old Cave of SW Building. Component of the Rare Isotope Program.	R5
Thorium-229	511	0.5	Produced by extraction from U-233. Previously identified above current screening level in soils beneath SW-136.	§1.2, R5
Thorium-230+D	91,834	2.0[e]	Recovered from Cotter Concentrate in the SW Building pilot plant as part of the Rare Isotope Program. Contained in the ionium process wastes treated in the R Building evaporator. Previously identified above current screening level in soils beneath SW-136.	R5
Thorium-232+D	5.8	1.47[e]	Previously identified above current screening level south of SW Building. Contained in the ionium process wastes treated in the R Building evaporator.	§1.2, R5
Uranium-234	6242	[d]	Component of the Rare Isotope Program, produced in R Building by chemical separation from aged plutonium-238. Previously identified (in association with U-233) above current screening level in soils beneath SW-136.	R5
Uranium-238+D	5.32	1.3[e]	Contained within the reactor waste processed on batch scale in R Building and pilot plant scale in SW Building.	R5
Tritium (soil)	97	2.35E4	Stable tritides research conducted in SW Building.	

Table 3: Radionuclide Analyte Justification (continued)

COC	Max. Result pCi/L	GV pCi/L	Justification	Ref.
Tritium (groundwater)	4.61E7	1.1E4	Processed in SW Building and R Building. Identified in nearby seeps.	R5
Radium-226 (groundwater)	3.71	2.7	Identified in nearby seeps.	§1.2
Thorium-230 (groundwater)	0.56	0.12	Identified in nearby seeps.	§1.2
Uranium-234 (groundwater)	67	18	Identified in nearby seeps.	§1.2

[a] : 10^{-6} guideline value (most restrictive) = 0.12 pCi/g (background concentration not calculated); however, the screening level was set at 0.175 pCi/g based on the current contract required detection limit for offsite laboratories.

[b] : 10^{-6} guideline value (most restrictive) = 0.83 pCi/g (background concentration not calculated); however, the screening level was set at 1.0 pCi/g based on the current contract required detection limit for offsite laboratories.

[c] : 10^{-6} guideline value (most restrictive) = 0.39 pCi/g (plus background = 0.5); however, the screening level was set at 1 pCi/g based on the current contract required detection limit for offsite laboratory.

[d] : 10^{-6} guideline value (most restrictive) = 10.5 pCi/g.

[e] : sum of 10^{-6} GV and background.

[f] : Based on April 2001 HEAST slope factors, the 10^{-6} RBGV for Pu-238 is 6.1 pCi/g; however, 55 pCi/g was retained because of its familiarity to the public.

Ref.: SAP section number (§) of historical description, document reference number (R_) as presented in Section 6 of the SAP.

SL: screening level (10^{-6} + background)

GV: 10^{-6} guideline value

U: not detected at the specified detection limit

COC: contaminant of concern

NE: Not established

Table 4: Soil Contaminants of Concern (pCi/g)

COC	Bkgd.	Guideline Value (10^{-6})	Screening Level	Cleanup Objective	Onsite Analyses	Offsite Gamma Spec	CRDL	Offsite Alpha Spec	CRDL	Other Offsite Analyses	CRDL
Am-241	ND	6.3	6.3	63	100% of samples go to onsite gamma spec, alpha spec, gross beta, and tritium in soil moisture. 100% of samples collected from designated locations (per figure 4) go to onsite stable tritium in dry soil	10% of samples go to offsite gamma spec by Method A-015	1	10% of samples go to offsite alpha spec by Method A-012	NA	10% of samples go to offsite tritium by Method A-014 Analysis for Sr-90 by Method A-016 is contingency per Section 4.1	NA
Cs-137+D	0.42	0.34 (1)	0.76 (3)	3.8			0.2		NA		NA
Ra-226+D	2.0	0.09 (1)	2.1 (3)	2.9			1.3		NA		NA
Ra-228+D	1.4(11)	0.07	1.47	2.1			0.14(4)		NA		NA
Co-60	NA	0.07 (1)	0.07	0.7			0.07(10)		NA		NA
Pb-210+D	1.2(9)	0.62 (1)	1.8 (3)	7.4			1.0		NA		NA
Ac-227+D	0.11 (5)	0.45	0.56(3)	4.6			0.56(10)		0.56(4)		NA
Bi-207	ND	0.12	0.175(7)	1.2			0.175		NA		NA
Bi-210m	ND	0.83	1.0(7)	8.3			1		NA		NA
Pa-231	0.11(2)	0.39	1(7)	4.0			NA		1(4)		NA
Sr-90+D	0.72	9.4	10.1(3)	94.7			NA		NA		1.0
Pu-238	0.13	6.1 (1)	55 (2)	55			28		0.01		NA
Pu-239/240	0.18	6.1	6.3(3)	61.2			NA		0.01		NA
Th-228+D	1.5	0.11(1)	1.61(3)	2.6			NA		0.10		NA
Th-229	0	0.5	0.5	5			NA		0.10(4)		NA
Th-230+D	1.9	0.09	2.0(3)	2.8			12		0.10		NA
Th-232+D	1.4	0.07 (1)	1.47(3)	2.1			0.4		0.10		NA
U-233	0	0.48	0.48	4.8			NA		NA		NA
U-234	1.1	10.5	(6)	106.1			NA		0.10		NA
U-238+D	1.2	0.1	1.3(3)	2.2(8)			NA		0.10		NA
H-3*	NA	23,500	23,500	235,000			NA		(4)		50
H-3‡	0	NE	NE	TBD			NA		NA		NA

Table 4: Soil Contaminants of Concern (mg/kg) (continued)

COC	Bkgd.	Guideline Value (10^{-6} or HI=1)	Screening Level	Cleanup Objective	Offsite Metals (Method A-005)	CRDL	Offsite PCBs (Method-030)	CRDL
Lead	48	NE	400	NE	100% of samples from designated locations go to offsite metals analysis	0.6	100% of samples from designated locations go to offsite PCB analysis	NA
Beryllium	1.3	0.7	NE	NE		0.2		NA
Vanadium	25	1,500	NE	NE		2		NA
Arochlor-1260	ND	0.385	NE	NE		NA		0.033

Radionuclides labeled with a "+ D" indicate that pertinent daughters are included within the risk calculation.
COC: contaminant of concern
NA: not applicable
ND: not detected
CRDL: contract required detection limit.
NE: not established
TBD: to be determined
*Tritium in soil moisture.
†Stable tritium in dry soil. Soil analysis will be conducted onsite only due to specialized method required for quantification.

(1) These guideline values are based on the more restrictive of the Construction Worker and Site Employee Values. These values were calculated using the methodology contained in Risk-Based Guideline Values, Mound Plant, Miamisburg, Ohio, March 1997, Final (Revision 4) (Reference 4), but were determined using April 2001 HEAST slope factors.
(2) Based on April 2001 HEAST slope factors, the 10^{-6} RBGV for Pu-238 is 6.1 pCi/g; however, 55 pCi/g was retained because of its familiarity to the public.
(3) Sum of 10^{-6} GV and background.
(4) Not specified in Method.
(5) Has comparatively short half-lives and is deduced to be in secular equilibrium with the parent nuclide. Thus, the background value measured for the parent is considered to be the appropriate value for these as well.
(6) 10^{-6} guideline value (most restrictive) = 10.5 pCi/g. Alpha spectroscopic analysis of the samples for this radioisotope is planned.
(7) Current contract required detection limit (CRDL)
(8) If U-238 is present in concentrations greater than 2.2 pCi/g, evaluate secular equilibrium with daughters. If secular equilibrium exists, use 2.2 pCi/g as cleanup goal. If secular equilibrium does not exist, adjust U-238 cleanup goal upward to account for reduced daughter concentrations.
(9) These radionuclides have comparatively short half-lives and are deduced to be in secular equilibrium with the parent nuclide. Thus, the background value measured for the parent is considered to be the appropriate value for these as well. The validity of using this method for background determination for other radionuclides will be assessed on a case by case basis.
(10) The CRDL presented does not match the Methods Compendium. Modification was made to meet the radionuclide SL.
(11) Radium-228 is a daughter of thorium-232. As such, the background levels are assumed to be the same.

Table 5: Groundwater Contaminants of Concern (pCi/l)

COC	Guideline Value (10^{-6})	Onsite Analysis	Offsite Analysis	CRDL
Tritium	1.1E4	100% of groundwater samples	10% of groundwater samples	500
Ra-226	2.7			1.0
Ra-228+D	0.12			0.4(4)
Th-230	0.12			0.02(10)
U-234	18			1.0

Radionuclides labeled with a "+ D" indicate that pertinent daughters are included within the risk calculation.
COC: contaminant of concern
CRDL: contract required detection limit.
(4) Not specified in Methods Compendium. Laboratory will target this MDA; although, EPA Method 904.1 presents a method detection limit of 1 pCi/l.
(10) The CRDL presented does not match the Methods Compendium. Modification was made to meet the radionuclide Guideline Value.

Table 6: Summary of Applicable SOPs

SOP No. and Title	Procedure Description	Deviations
S-003: Soil and Rock Borehole Logging and Sampling	• Soil samples will be continuously collected.	• Abandonment will consist of using a bentonite sealer (i.e., hole plug) for all borings less than 15 feet deep.
S-004: Guide to Management of Collected Investigative-Derived Material	• Follow procedures outlined in the SOP.	• None.
S-008: Headspace Analysis	• Use PID or FID to determine volatile organic levels in headspace above soil sample.	• Sealable plastic bags will be used in place of covered laboratory jars.
S-020: General Equipment Decontamination	• All downhole equipment will be decontaminated. • All sampling equipment will be decontaminated between sampling intervals and locations.	• Methanol and hexane rinses for the decontamination of sampling equipment will not be used.
S-026: Soil and Rock Boring	• Use hollow stem auger, direct push technology, rotosonic, or comparable drilling techniques. • Drilling will discontinue when refusal is encountered. A maximum of one offset may be attempted at each location to reach the bedrock interface.	• Abandonment will consist of using a bentonite sealer (i.e., hole plug) for borings less than 15-feet deep. • For borings greater than 15-feet deep, the procedures in the SOP will be followed. • After a period of 24 hours, the borings will be checked for settling, and the remaining depression will be filled and capped with concrete or asphalt patch to match existing site conditions.
S-028: Sample Control and Documentation	• Follow procedures outlined in the SOP.	• None.
S-029: Guide to the Handling, Packaging, and Shipping of Samples	• Follow procedures outlined in the SOP.	• None.
S-036: Soil Sampling for Disposal Characterization	• Follow procedures outlined in the SOP.	• None.
MD-80036, Operation 30004: Performance Testing and Operation of NE Electra	• Mound RCT will use instruments per SOP and record field measurements on radiological safety data sheet (RSDS) form.	• None.
MD-80036, Operation 30005: Operation of the Bicron FIDLER	• Mound RCT will use instruments per SOP and record field measurements on RSDS form.	• None.

Table 7: Containers, Holding Times, and Preservatives

Analysis	Method	Matrix	Bottle Type	Bottle Size	Number of Bottles	Preservative	Holding Time
Onsite Gamma Spectrometry	Mound Procedure	Soil	EPA dish or equivalent	EPA dish or lab specified	1	None	None
		Water†	Plastic cubetainer	750mL	1	pH < 2 with HNO_3	None
Onsite Alpha Spectrometry, Gross Beta	Mound Procedure	Water†	Plastic cubetainer	4 liters	1	pH ≤ 2 with HNO_3	None
		Soil	Wide-mouth Nalgene bottle, or Marinelli beaker, or equivalent.	500 g	1	None	None
Onsite Tritium	Mound Procedure	Water†	Glass bottle	250 mL	1	None	None
Offsite Gamma Spectrometry	Nuclear Data Inc. 1986	Soil	Wide-mouth Nalgene bottle	750g	1	None	None
	Nuclear Data Inc. 1986	Water†	Plastic Cubetainer	4 liters*	1	pH <2 with HNO_3	None
Offsite Alpha Spectrometry	Nuclear Data, Inc.1986	Soil	Wide-mouth Nalgene bottle	750 g	1	None	None
	Nuclear Data, Inc.1986	Water†	Plastic Cubetainer	4 liters$^{\Delta}$	1	pH <2 with HNO_3	None
Offsite Tritium	E906.0	Soil	Wide-mouth Nalgene bottle	750 g	1	None	None
	E906.0	Water†	Glass bottle	250 mL	1	None	None
VOCs	SW5035/ SW8020	Soil	Glass bottle with Teflon-lined lid (no headspace)	120g bottle	1	Cool 4°C	14 days
	SW5030/ SW8020	Water	Glass vial with Teflon-lined septum (no headspace)	40 mL vials	2	HCl to pH<2 Cool 4°C	14 days

Table 7: Containers, Holding Times, and Preservatives (cont.)

Analysis	Method	Matrix	Bottle Type	Bottle Size	Number of Bottles	Preservative	Holding Time
Metals	CLP SOW Attachment A	Soil	Wide-mouth polyethylene or glass bottle	100 grams	1	Cool 4°C	6 months, 28 days (Mercury)
	CLP SOW Attachment A	Water	Polyethylene bottle	1000 mL	1	HNO_3 to pH <2, Cool 4°C	6 months, 28 days (Mercury)
PCBs	SW8082	Soil	Glass bottle with Teflon-lined lid	100 grams	1	Cool 4°C	14 days extraction / 40 days analysis
	SW8082	Water	Amber glass bottle with Teflon-lined lid	1000 mL	2	Cool 4°C	7 days extraction / 40 days analysis
NA (any excess soil)	NA	Soil	Wide mouth polyethylene	1/2 gallon	1	None	None

*MD 80045 A-015 lists minimum volume = 250-500 ml

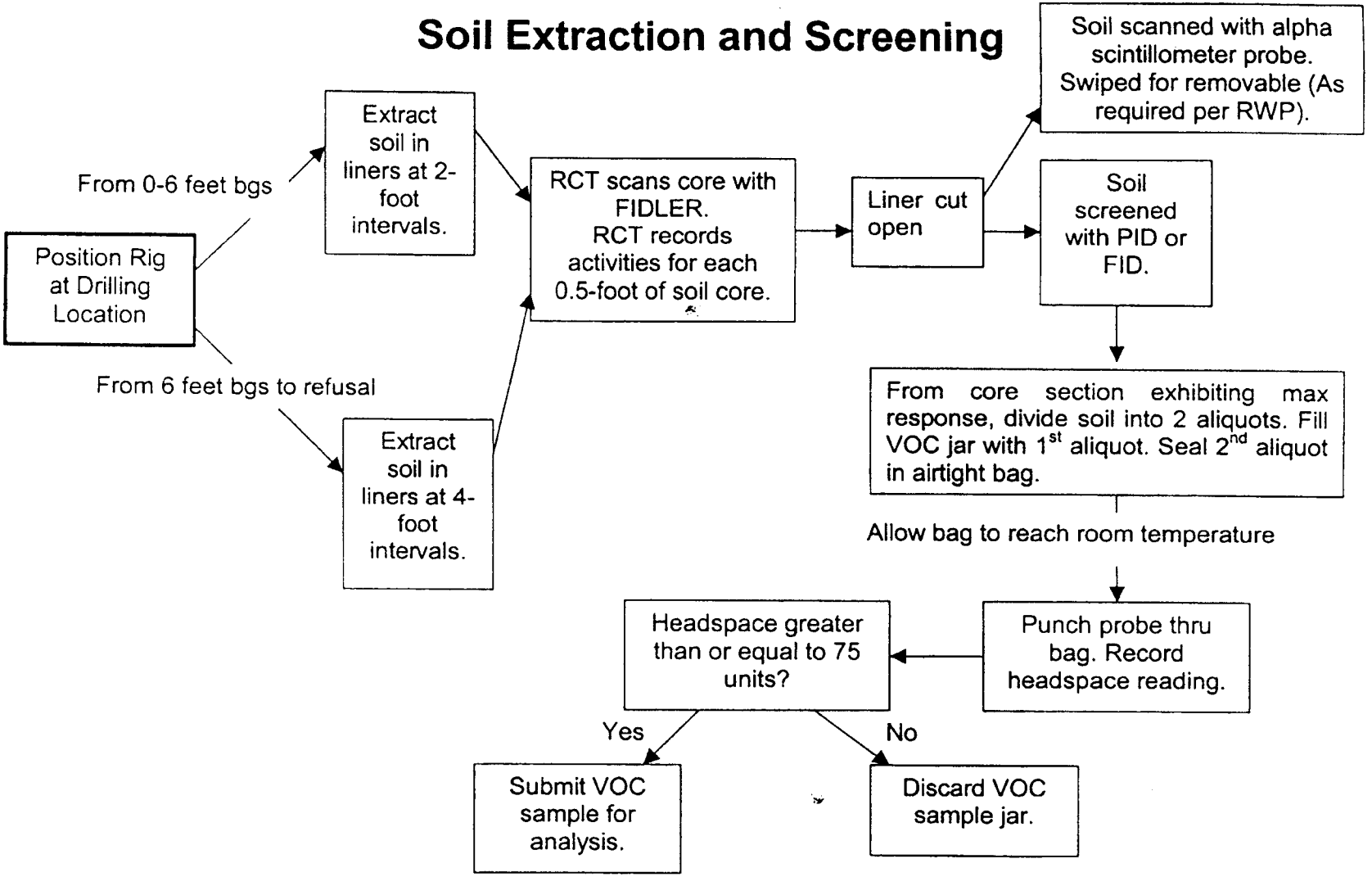
ΔMD 80045 A-012 lists minimum volume = 2x2 liter. Laboratory requires 2 liters for isotopic thorium analysis to achieve the CRDLs.

†Groundwater samples will be field filtered prior to preservation and placement in the laboratory sample bottle.

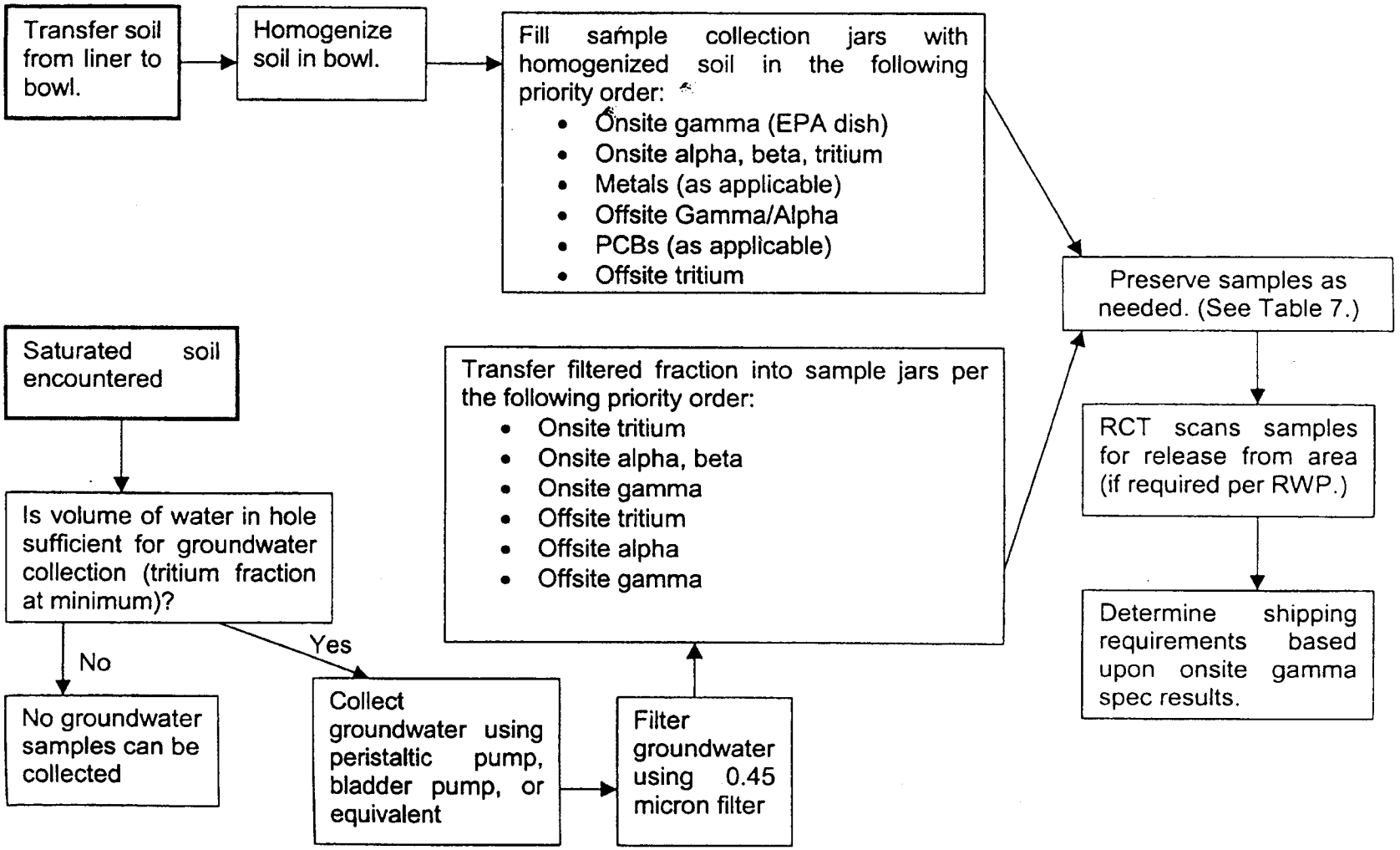
APPENDIX C

FLOW DIAGRAMS

Soil Extraction and Screening



Sample Collection



APPENDIX E

FIELD ENTRY FORM

Table E.1 – R/SW – Field Entry Form

(a) Sample Location Code R/SW W-BXXX-YY	(b) Sequential Sample ID for MEIMS ZZZZZZ	(c) Matrix	(d) QC Type	(e) Sample Date	(f) Collection Time	(g) Selection Criteria	(h) Submit for:					
							Gamma Spec	Alpha Spec	Tritium	VOCs	Metals	PCBs

Notes:

(a) Sample Location Code: This column is a descriptive sample identifier, in which:
R/SW-W-BXXX-YY where:
R/SW = Mound Environmental Information Management System (MEIMS) Project Code
W = QC Sample where:
0 = no QC sample
1 = field duplicate
2 = equipment rinsate
3 = matrix spike
4 = matrix spike/laboratory duplicate
BXXX = horizontal grid locator (i.e., B001)
YY = maximum depth in feet of the sampling interval (i.e., 00, 04, 08, etc.)

(b) Sequential Sample Id: ZZZZZZ = a sequential, six digit sampler identifier (i.e., 000001, 000002, etc.) to be used on the laboratory chain of custody and for incorporation of the data into MEIMS.

(c) Matrix: S = soil W = water

(d) QC Type:
DUP = field duplicate
ER = equipment rinsate
MS = matrix spike
MS/DUP = matrix spike/laboratory duplicate
TB = trip blank
SPLIT = Agency collected split sample

(e) Sample Date: Date sample was collected.

(f) Collection Time: Time sample was collected.

(g) Selection Criteria Fill in justification for sample analysis (if varies from SAP) or notes

(h) The next columns represent the samples submitted for onsite and offsite analyses (see Section 4.0). Check off the analyses for which the sample was submitted.

Date: January 12, 2005

From: E. F. Jendrek

Subject: Data Evaluation Summary, R/SW Phase 1 Soil Sampled May-June, 2002

To: Lisa Turner

I. Description of the Data Set

The data being evaluated was collected in accordance with the "R and SW Sampling and Analysis Plan, Final (April 2002)" in May-June 2002. The purpose of the Sampling and Analysis Plan (SAP) was to investigate the subsurface soils external to and in the vicinity of R and SW buildings. The plan called for 44 borings around the perimeter of R and SW buildings concentrating on the west and south sides of SW. Samples were collected in 2-foot composites down to bedrock refusal. The specifics of the sample location selection are contained in the SAP.

Contaminants of concern were picked based upon process knowledge and previous sampling performed in the area. The chemical analytes of concern included total metals, VOA, and PCBs. The radiological characterization was for gamma spectroscopy, alpha spectroscopy (Pu, Th, & U), and tritium. Details of previous samplings and the determination of contaminants of concern are contained in the SAP.

The current data evaluation is being performed to support the characterization for waste disposal of underground radioactive waste line soils. A significant area of the soils sampled under this SAP overlap the vicinity of the radioactive underground waste line. This data represents the most recent data nearest to the potential sources of possible contamination associated with the underground line soils.

The chemical analyses were performed on a total basis; however, a worse case RCRA toxic (TCLP) evaluation can be obtained from the measured data by dividing the measured mg/kg by 20.

While there was no evidence of Volatile Organic Analytes (VOA) in previous samplings, organic solvents were used in the R and SW buildings. The SAP called for performing field screening by either PID or FID for indications of VOAs. The field screening was positive for three samples and they were forwarded to the laboratory for analysis.

Equipment rinsates were collected at least once a day. The rinsates were measured only for radioactivity. No significant radioactive contamination was detected in the rinsates.

All samples were run for a long count screening at the Mound Soil Screening Laboratory (Gamma Spectroscopy) prior to off site analysis. Offsite chemical sample analyses were performed at Severn Trent Laboratories, St. Louis. Data was reported by the laboratory in the following LSDGs: F2F110184, F2F120210, F2F180326, F2F200174, F2F280129, and F2G110120.

The chemical and radiological results have been evaluated in accordance with the analytical validation guidelines in MD-80045, Mound Methods Compendium. The results of the data verification and validation process are summarized as follows.

II. **Verification:**

Samples were collected from all locations as planned in the SAP except for locations B007 and B032. These borings were not made due to their proximity to underground utilities.

There were no problems associated with the documentation, or chain of custody of the samples. Shipment of the PCB samples was delayed such that the maximum recommended time to extraction (14 days) was exceeded for some samples by up to 14 days. There were no other hold time problems. There were no problems in achieving the analyte detection goals.

III. **Validation:**

A. Volatile Organic Analysis:
All QC criteria were met.

Several volatile organic analytes were detected at very low levels (ppb). A worse case analysis of all RCRA VOA analytes shows them to be well below regulatory limits.

B. Semivolatile Organic Analysis:
No samples were collected for SVOA analysis based upon process knowledge and previous samplings. All samples were field screened by PID for organic contamination. Only 3 samples gave any indication of contamination. These samples were shown by off site laboratory analysis to contain little to no VOAs.

C. Metals Analysis:
All QC criteria were met.

All RCRA metal analytes were well below the regulatory limits.

D. PCB Analysis:
All QC criteria were met; however, there were hold time issues with a large number of the samples resulting in them being qualified as "estimated non-detects".

No Aroclors were detected in any of the samples with detection limits orders of magnitude below the regulatory limit. For this reason, it is safe to assume that no regulatory levels of PCBs were in the samples.

E. Gamma Spectroscopy Analysis:
All QC requirements were met.

The agreement between the on site (100% of the samples) and the off site data analyses (10% of the samples) was excellent.

F. Alpha Spectroscopy (Pu, Th, & U) Analysis:
All QC requirements were met.

The agreement between the on site (100% of the samples) and the off site data analyses (10% of the samples) was excellent.

G. Tritium Analysis:
All QC requirements were met.

The agreement between the on site (100% of the samples) and the off site data analyses (10% of the samples) was excellent.

All the chemical analytical data can be used as presented except where qualified above. I have evaluated the analytical data, and certify that the sampled material is not a characteristic, hazardous solid waste as defined in 40CFR261.20 to 261.24. It is not classified as a hazardous waste according to the Ohio Administrative Code, Section 3745-51.

E. F. Jendrek
Sample Management Office Coordinator
Environmental Safeguards and Compliance

Table B-1
Analytical Results

TCLP Metals:	Statistical Mean (mg/L)	Upper Confidence Level (mg/L)
Arsenic	0.029	0.64
Barium	4.43	9.42
Cadmium	ND (0.32)	
Chromium	0.78	1.33
Lead	0.49	0.90
Mercury	0.0024**	0.0025
Selenium	0.038*	0.052
Silver	ND (0.065)	
TCLP Volatiles:		
Benzene	ND (0.0003)	
Carbon Tetrachloride	ND (0.0003)	
Chlorobenzene	ND (0.0003)	
Chloroform	ND (0.0003)	
1,4-Dichlorobenzene	ND (0.0003)	
1,2-Dichloroethane	ND (0.0003)	
Methyl ethyl ketone	0.002*	0.07
Pyridine		
Tetrachloroethylene	ND (0.0003)	
Trichloroethylene	ND (0.0003)	
Vinyl chloride	ND (0.0003)	
Dichloroethylene	ND (0.0003)	

TCLP Semivolatiles:	Statistical Mean	Upper Confidence Level
o-Cresol		
p-Cresol		
m-Cresol		
Cresol		
Dinitrotoluene		
Hexachlorobenzene		
Hexachloro-1,3-butadiene		
Nitrobenzene		
Pentachlorophenol		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
Hexachloroethane		
TCLP Pesticides and Herbicides:		
Chlordane		
2,4 - D		
Endrin		
Heptachlor and Hydroxide		
Lindane		
Methoxychlor		
Toxaphene		
2,4,5 - TP (Silvex)		

All values based on dividing total measurements (mg/kg) by 20
*only 4 values detected
**only 2 values detected
ND – Not Detected (detection level)

1.0 Introduction

Analytical data assessment can be performed on many quality control levels. On the most basic level the data can be reviewed for completeness. Does the reported data cover the intended samples? Were the samples analyzed for the planned analyses? Does the data package contain all the information called for by the SOW and/or SAP?

A Data Review involves an assessment of the quality controls used by the laboratory during the performance of the analysis. These include such things as laboratory blanks, system monitoring compound (surrogate) recoveries, matrix spikes, etc. Were the correct QC controls used, and does the QC data indicate the analyses were performed correctly? Which controls are assessed and what criteria are applied depend on the analysis performed. The results of field quality control measures such as field duplicates and trip blanks may also be evaluated. Data Review is normally performed on 100% of the analytical data.

A full Data Validation is a much more detailed review of the entire laboratory data package. It includes all the elements of the Data Review plus verification of such things as proper instrument calibration, proper use of standards and correct performance of data calculations. Data Validation is used to identify systemic problems with the way the laboratory performs and reports analyses.

2.0 Description of the Data Set

The data being evaluated was collected in accordance with the "R and SW Sampling and Analysis Plan, Final (April 2002)" in May-June 2002. The purpose of the SAP was to investigate the subsurface soils external to and in the vicinity of R and SW buildings. The plan called for 44 borings around the perimeter of R and SW buildings concentrating on the west and south sides of SW. Samples were collected in 2-foot composites down to bedrock refusal. The specifics of the sample locations are contained in the SAP.

Contaminants of concern were picked based upon process knowledge and previous sampling performed in the area. Details of previous samplings and the selection of contaminants of concern are contained in the SAP.

The current data evaluation is being performed to support the characterization for waste disposal of underground radioactive waste line soils. A significant area of the soils sampled under this SAP overlap the vicinity of the radioactive underground waste line. This data represents the most recent data nearest to the potential sources of possible contamination associated with the underground line soils.

The original analyses were performed on a total basis; however, a worse case RCRA toxic (TCLP) evaluation can be obtained from the collected data. This use is discussed further in Section 6.0.

Previous sampling (refer to the SAP) gave some indication of Be and V contamination. Neither are RCRA toxic metals. The SAP called for performing 11 boring for collecting metal samples. Three field duplicates were collected at location B036.

Samples were collected from all locations as planned except for location B007. This boring location was not made due to its proximity to underground utilities. At several other location and depths insufficient sample material was recovered to perform metal analysis. Refer to table 3.

Equipment rinsates were collected at least once a day; however, the rinsates were measured only for radioactivity. No significant radioactive contamination was detected in the rinsates.

All samples were run for a long count screening at the Mound Soil Screening Laboratory (Gamma Spectroscopy) prior to off site analysis. Offsite chemical sample analyses were performed at Severn Trent Laboratories, St. Louis.

There were no problems associated with the documentation, shipment, or chain of custody of the samples. There were no problems in achieving the analyte detection goals.

Table 1. Sample Identification

Sample Date	LSDG	Number of Samples	Mound Sample IDs
6/5-6/02	F2F120210	11	R/SW-0-B011-02-00110 R/SW-0-B011-04-00111 R/SW-1-B011-04-00112 R/SW-0-B011-06-00113 R/SW-0-B010-02-00114 R/SW-0-B010-04-00115 R/SW-0-B009-02-00116 R/SW-0-B009-04-00117 R/SW-0-B008-02-00118 R/SW-0-B008-04-00119 R/SW-1-B008-04-00120
5/21-22/02	F2F180326	9	R/SW-0-B020-02-00017 R/SW-0-B020-04-00018 R/SW-0-B020-06-00019 R/SW-0-B019-02-00020 R/SW-0-B019-03-00021 R/SW-0-B019-06-00028 R/SW-0-B019-08-00029 R/SW-0-B006-02-00121 R/SW-0-B006-04-00122

Sample Date	LSDG	Number of Samples	Mound Sample IDs
5/28/02	F2F200174	9	R/SW-0-B016-04-00051 R/SW-1-B016-04-00052 R/SW-0-B016-06-00053 R/SW-0-B016-10-00054 R/SW-0-B017-02-00056 R/SW-0-B017-04-00057 R/SW-0-B018-04-00060 R/SW-0-B018-06-00061

LSDG – Laboratory Sample Delivery Group

3.0 Data Completeness

The correct samples were submitted and analyzed for the analyses requested in the Sample and Analysis Plan. The data packages received back from the laboratory were complete.

4.0 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following qualification flags are used to indicate data quality problems identified during the data review process.

Table 2. Data Review Qualifications

Flag	Description
J	Estimated sample result
U	Non-detect sample result
UJ	Estimated non-detected sample result
R	Rejected (unusable) sample result

4.1 Hold Times

There are no EPA mandated technical hold times for the metals analysis of soils. The recommended maximum hold time for water samples is 180 days until analysis.

All samples in these LSDGs were completed within 80 days.

4.2 Blanks

The laboratory analyzes one method blank for every 20 samples or LSDG. Laboratory blanks are analyzed to determine if laboratory processes are contributing to the detected sample measurements. To meet the QC criteria the method blank must be ≤ 2 times the Practical Quantitation Limit (PQL).

The method blank associated with the verification samples met QC criteria.

The laboratory also analyzes one calibration blank after every 10 samples and before each initial and continuing calibration. Calibration blanks are analyzed to determine if instrument operations are contributing to the detected sample activities. To meet the QC criteria the method blank must be ≤ 2 times the PQL.

All initial and continuing calibration blanks met QC criteria.

4.3 Instrument Calibrations

The laboratory must successfully run a set of initial calibration samples each day. Immediately after each initial calibration an initial calibration check sample must be run. To be successful initial calibration verification sample recoveries must be ± 10% of 100% for all metals except mercury. Mercury recovery must be ± 20% of 100%.

In addition a continuing calibration verification sample must be run after every 10 samples. The same criteria are used as with the initial calibration verification.

All initial and continuing calibration verifications met QC criteria.

4.4 Matrix Spike

A matrix spike (MS) and a matrix spike duplicate (MSD) analysis are performed to assess the precision and accuracy of the laboratory analysis. One MS/MSD spike is performed for every 20 samples or LSDG. It also may indicate analysis bias due to sample matrix effects.

The matrix spike recoveries for Sb were less than QC criteria suggesting a possible bias for Sb. However, no Sb was detected in any of the samples.

Al, Mg, Mn, & Fe all had one or more spike recoveries greater than the QC criteria; however, the original high amount of these elements in the samples makes the use of their spike values ineffective.

No qualification of the data was made based on MS/MSD data.

4.5 Laboratory Control Sample

The Laboratory Control Sample (LCS) is a standard sample with a known quantity of the analyte(s) of concern. The LCS recovery is an indication of whether the analytical process was in control during the analysis.

All LCS recoveries were within QC requirements.

4.6 Equipment Rinsates

Equipment rinsates are used to ensure efficacy of equipment field decontamination procedures, and that the sample collection process is not causing cross contamination.

Equipment rinsates were collected only for radioactive measurements.

4.7 Field Duplicates

Field Duplicates give an indication of the degree of homogeneity within the sample material. As with Laboratory duplicates they are reported as RPD.

Field duplicates were in reasonably good agreement for metals not present in large amounts.

5.0 Data Validation

The results of LSDG F4H1802121 were fully data validated. In addition to the items discussed above, the following items were evaluated:

1. Instrument calibration calculations
2. Spike recovery calculations.
3. Sample run logs
4. Standard certifications

No additional qualification resulted from this assessment. There was no indication of a systemic deficiency.

6.0 RCRA Toxic Determination

A worse case estimate of the RCRA toxic material contained in samples based upon their total analysis results can be made by dividing the results (mg/kg) by 20 representing the leaching of all toxic material and diluted by the TCLP 1 to 20 leachate.

The RCRA toxic metals analytes were all well below the regulatory levels as show in Table 4.

7.0 Certification

Based upon this review the metal analysis data may be used as presented with no further qualifications.

Table 3 R/SW Phase 1 Metal Analysis

Sample Location R/SW-	MEIMS #	Sb	As	Ba	Be	Cs	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Va	Zn	Hg
0-B020-02	000017	< 1.2	3.0	47.2	0.62	< 0.59	14.3	10.3	12.4	7.2	15.5	< 0.59	< 1.2	2.7	13.9	36.9	< 0.039
0-B020-04	000018	< 1.2	7.5	108	1.2	< 0.6	23.8	11.6	21.8	14.2	26.8	< 0.6	< 1.2	6.4	30.7	61.6	< 0.04
0-B020-06	000019	< 1.2	1.8	< 23	< 0.57	< 0.57	4.6	< 5.7	5	2.4	5.6	< 0.57	< 1.2	1.3	< 5.7	14.8	< 0.038
0-B019-02	000020	< 1.2	7.8	84.8	0.91	< 0.59	17.5	10	17.5	11.2	21	< 0.59	< 1.2	3.9	28.2	55.9	< 0.039
0-B019-03	000021	< 1.2	10.8	168	1.4	< 0.62	27.2	13.4	28.9	16.7	33.3	0.74	< 1.2	7.6	41.3	73.7	< 0.032
0-B019-06	000028	< 1.1	2.6	45.5	0.62	< 0.57	10.6	7.3	11.1	6.7	15.5	< 0.57	< 1.1	2.9	11.3	31.7	< 0.038
0-B019-08	000029	< 1.1	1.9	43	0.56	< 0.55	9.9	7.5	10.7	6.9	14.4	< 0.55	< 1.1	2.9	9.8	32.3	< 0.037
0-B016-04	000051	< 1.2	13.7	82.4	0.82	< 0.6	23.3	10.1	21.2	15.5	22.5	0.95	< 1.2	5.4	43.5	64.7	0.047
1-B016-04	000052	< 1.2	9.3	76.4	0.73	< 0.61	20.4	8.6	19.6	12.3	20.0	< 0.61	< 1.2	3.5	36.7	61.4	< 0.04
0-B016-06	000053	< 1.2	11.0	141	0.99	< 0.58	21.1	12.9	21.8	12.4	27.1	< 0.58	< 1.2	3.7	37.5	73.2	< 0.039
0-B016-10	000054	< 1.2	1.6	55.0	0.63	< 0.58	12.1	7.6	9.6	5.7	17.4	< 0.58	< 1.2	2.5	13.1	38.4	< 0.038
0-B017-02	000056	< 1.2	8.6	96.8	0.8	< 0.6	18.6	10.5	19.6	14	20.9	< 0.60	< 1.2	3.2	34.3	71.1	< 0.04
0-B017-04	000057	< 1.2	4.4	49.9	0.94	< 0.62	19.4	12.8	26.5	2.2	25.4	< 0.62	< 1.2	3.4	24.5	56.3	< 0.041
0-B017-06	000058	< 1.2	11.3	122	1.2	< 0.6	25.9	13.8	25.6	15	31.9	< 0.60	< 1.2	5.5	40.6	74.0	0.049
0-B018-04	000060	< 1.2	2.6	63.7	0.68	< 0.58	12.6	7.9	12.3	7.2	16.3	< 0.58	< 1.2	2.0	15	35.7	< 0.039
0-B018-06	000061	< 1.1	1.9	56.1	0.79	< 0.56	13	7.9	11.7	7.1	17.1	< 0.56	< 1.1	2.6	13.8	40.3	<0.038
0-B011-02	000110	< 1.1	2.1	32.4	< 0.55	< 0.55	9.9	7.0	10.4	6.3	13.4	< 0.55	< 1.1	2.8	9.8	31.4	< 0.037
0-B011-04	000111	< 1.2	1.6	< 23.1	< 0.58	< 0.58	9.9	6.7	10.4	5.5	14.1	< 0.58	< 1.2	2.7	9.8	32.3	< 0.039
1-B011-04	000112	< 1.2	4.7	55.1	0.73	< 0.62	14.1	8.5	14.6	9.2	17.9	< 0.62	< 1.2	3.5	20	42.8	< 0.041
0-B011-06	000113	< 1.2	7.8	69.2	0.74	< 0.6	13.6	8.2	15	11.2	16.5	< 0.39	< 1.2	3.4	22.3	46.5	< 0.04
0-B010-02	000114	< 1.1	3.7	37.5	< 0.56	< 0.56	8.3	5.7	9.5	5.2	11.4	< 0.56	< 1.1	1.5	13	26.3	< 0.038
0-B010-04	000115	< 1.1	7.3	77.9	0.78	< 0.56	17.5	10.2	17.6	13.1	18.4	0.74	< 1.1	4.1	31.5	50	< 0.037
0-B009-02	000116	< 1.0	3.3	33.5	0.54	< 0.51	10.4	6.6	11.1	6.9	13.6	< 0.51	< 1.0	2.5	14.5	33.5	< 0.034
0-B009-04	000117	< 1.3	4.8	111	1.0	< 0.62	18.7	13.2	18.9	12.6	27.6	< 0.62	< 1.3	5.5	22.6	57.2	< 0.042
0-B008-02	000118	< 1.2	8.6	93.9	0.78	< 0.58	17.9	10.4	17.9	13.4	18.4	< 0.58	< 1.2	4.0	31.8	51.1	< 0.038
0-B008-04	000119	< 1.2	4.9	210	0.93	< 0.62	17.9	9.9	19	10.9	22.5	< 0.62	< 1.2	5.1	23.1	50.2	< 0.041
1-B008-04	000120	< 1.3	5.3	205	0.98	< 0.63	19.1	10.8	19.4	12	24.4	< 0.63	< 1.3	5.1	25.3	54.6	< 0.042
0-B006-02	000121	< 1.2	9.3	137	0.73	< 0.6	14.8	11	16.6	16.5	14.9	0.61	< 1.2	3.4	30	50.6	< 0.025
0-B006-04	000122	< 1.0	2.3	< 20.8	< 0.52	< 0.52	3.6	< 5.2	6.5	2.4	4.2	< 0.52	< 1.0	< 0.62	6.1	12	< 0.035

"<" indicate analytes that were detected but are below Practical Quantitation Levels (PQL).

Table 4. R/SW Metals RCRA Determination

Sample Location R/SW-	MEIMS # mg/L	As	Ba	Cd	Cr	Pb	Se	Ag	Hg
RCRA	Level	5	100	1	5	5	1	5	0.2
0-B020-02	000017	0.2	2.4	< 0.3	0.7	0.36	< 0.3	< 0.06	< 0.020
0-B020-04	000018	0.38	5.4	< 0.3	1.2	0.71	< 0.3	< 0.06	< 0.020
0-B020-06	000019	0.09	< 1.2	< 0.3	0.2	0.12	< 0.3	< 0.06	< 0.020
0-B019-02	000020	0.39	4.2	< 0.3	0.9	0.56	< 0.3	< 0.06	< 0.020
0-B019-03	000021	0.54	8.4	< 0.3	1.4	0.84	0.04	< 0.06	< 0.020
0-B019-06	000028	0.13	2.3	< 0.3	0.5	0.34	< 0.3	< 0.06	< 0.020
0-B019-08	000029	0.10	2.2	< 0.3	0.5	0.35	< 0.3	< 0.06	< 0.020
0-B016-04	000051	0.69	4.1	< 0.3	1.2	0.78	0.05	< 0.06	< 0.021
1-B016-04	000052	0.47	3.8	< 0.3	1.0	0.62	< 0.3	< 0.06	< 0.020
0-B016-06	000053	0.55	7.1	< 0.3	1.1	0.62	< 0.3	< 0.06	< 0.020
0-B016-10	000054	0.08	2.8	< 0.3	0.6	0.29	< 0.3	< 0.06	< 0.020
0-B017-02	000056	0.43	4.8	< 0.3	0.9	0.70	< 0.3	< 0.06	< 0.020
0-B017-04	000057	0.22	2.5	< 0.3	1.0	0.11	< 0.3	< 0.06	< 0.020
0-B017-06	000058	0.57	6.1	< 0.3	1.3	0.75	< 0.3	< 0.06	0.049
0-B018-04	000060	0.13	3.2	< 0.3	0.6	0.36	< 0.3	< 0.06	< 0.020
0-B018-06	000061	0.10	2.8	< 0.3	0.7	0.36	< 0.3	< 0.06	< 0.020
0-B011-02	000110	0.11	1.6	< 0.3	0.5	0.32	< 0.3	< 0.06	< 0.020
0-B011-04	000111	0.08	< 1.2	< 0.3	0.5	0.28	< 0.3	< 0.06	< 0.020
1-B011-04	000112	0.24	2.8	< 0.3	0.7	0.46	< 0.3	< 0.06	< 0.10
0-B011-06	000113	0.39	3.5	< 0.3	0.7	0.56	< 0.3	< 0.06	< 0.020
0-B010-02	000114	0.19	1.9	< 0.3	0.4	0.26	< 0.3	< 0.06	< 0.020
0-B010-04	000115	0.37	3.9	< 0.3	0.9	0.66	0.04	< 0.06	< 0.020
0-B009-02	000116	0.17	1.7	< 0.3	0.5	0.35	< 0.3	< 0.06	< 0.020
0-B009-04	000117	0.24	5.6	< 0.3	0.9	0.63	< 0.3	< 0.06	< 0.020
0-B008-02	000118	0.43	4.7	< 0.3	0.9	0.67	< 0.3	< 0.06	< 0.020
0-B008-04	000119	0.25	10.5	< 0.3	0.9	0.55	< 0.3	< 0.06	< 0.020
1-B008-04	000120	0.27	10.3	< 0.3	1.0	0.60	< 0.3	< 0.06	< 0.020
0-B006-02	000121	0.47	6.9	< 0.3	0.7	0.83	0.03	< 0.06	< 0.010
0-B006-04	000122	0.12	< 1.0	< 0.3	0.2	0.12	< 0.3	< 0.06	< 0.020

1.0 Introduction

Analytical data assessment can be performed on many quality control levels. On the most basic level the data can be reviewed for completeness. Does the reported data cover the intended samples? Were the samples analyzed for the planned analyses? Does the data package contain all the information called for by the SOW and/or SAP?

A Data Review involves an assessment of the quality controls used by the laboratory during the performance of the analysis. These include such things as laboratory blanks, system monitoring compound (surrogate) recoveries, matrix spikes, etc. Were the correct QC controls used, and does the QC data indicate the analyses were performed acceptably? Which quality controls are assessed and what criteria are applied depend on the analysis performed. The results of field quality control measures such as field duplicates and trip blanks may also be evaluated. Data Review is normally performed on 100% of the analytical data.

A full Data Validation is a much more detailed review of the entire laboratory data package. It includes all the elements of the Data Review plus verification of such things as proper instrument calibration, proper use of standards and correct performance of data calculations. Data Validation is used to identify systemic problems with the way the laboratory performs and reports analyses.

2.0 Description of the Data Set

The data being evaluated was collected in accordance with the "R and SW Sampling and Analysis Plan, Final (April 2002)" in May-June 2002. The purpose of the SAP was to investigate the subsurface soils external to and in the vicinity of R and SW buildings. The plan called for 44 borings around the perimeter of R and SW buildings concentrating on the west and south sides of SW. Samples were collected in 2-foot composites down to bedrock refusal. The specifics of the sample locations are contained in the SAP.

Contaminants of concern were picked based upon process knowledge and previous sampling performed in the area. Details of previous samplings and the selection of contaminants of concern are contained in the SAP.

The current data evaluation is being performed to support the characterization for waste disposal of underground radioactive waste line soils. A significant area of the soils sampled under this SAP overlap the vicinity of the radioactive underground waste line. This data represents the most recent data nearest to the potential sources of possible contamination associated with the underground line soils.

Samples were collected from all locations as planned except for locations B007 and B032. These borings were not made due to their proximity to underground utilities.

Equipment rinsates were collected at least once a day; however, the rinsates were measured only for radioactivity. No significant radioactive contamination was detected in the rinsates.

All samples were run for a long count screening at the Mound Soil Screening Laboratory (Gamma Spectroscopy) prior to off site analysis. Offsite chemical sample analyses were performed at Severn Trent Laboratories, St. Louis.

There were no problems associated with the documentation, shipment, or chain of custody of the samples. There were no problems in achieving the analyte detection goals. Sample R/SW-0-B008-02-00118 was delivered with LSDG F2F120210; however, it was inadvertently not run for PCBs. The sample was run and the results reported in LSDG F2G110120.

Table 1. Sample Identification

Sample Date	LSDG	Number of Samples	Mound Sample IDs
5/21-22/02	F2F180326	9	R/SW-0-B020-02-00017 R/SW-0-B020-04-00018 R/SW-0-B020-06-00019 R/SW-0-B019-02-00020 R/SW-0-B019-03-00021 R/SW-0-B019-06-00028 R/SW-0-B019-08-00029 R/SW-0-B006-02-00121 R/SW-0-B006-04-00122
5/28/02	F2F200174	9	R/SW-0-B016-04-00051 R/SW-1-B016-04-00052 R/SW-0-B016-06-00053 R/SW-0-B016-10-00054 R/SW-0-B017-02-00056 R/SW-0-B017-04-00057 R/SW-0-B018-04-00060 R/SW-0-B018-06-00061
6/5-6/02	F2F120210	10	R/SW-0-B011-02-00110 R/SW-0-B011-04-00111 R/SW-1-B011-04-00112 R/SW-0-B011-06-00113 R/SW-0-B010-02-00114 R/SW-0-B010-04-00115 R/SW-0-B009-02-00116 R/SW-0-B009-04-00117 R/SW-0-B008-04-00119 R/SW-1-B008-04-00120
6/7/02	F2G110120	1	R/SW-0-B008-02-00118

LSDG – Laboratory Sample Delivery Group

3.0 Data Completeness

The correct samples were submitted and analyzed for the analyses requested in the Sample and Analysis Plan. The data packages received back from the laboratory were complete except as mentioned above.

4.0 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following qualification flags are used to indicate data quality problems identified during the data review process.

Table 2. Data Review Qualifications

Flag	Description
J	Estimated sample result
U	Non-detect sample result
UJ	Estimated non-detected sample result
R	Rejected (unusable) sample result

4.1 Holding Times

There are no EPA established technical hold times for PCB analysis of soils. It is recommended that soil samples be extracted within 14 days and the extract analyzed within 40 days.

Seventeen of samples exceeded the recommended maximum hold times for extraction. There was a delay in shipping these samples to the lab. The samples were refrigerated during the interim mitigating some of the effect. The following results are qualified a "UJ" for exceeding hold times.

SAMPLE ID	Qualification	Sample Date	Extraction Date	Analysis Date
0-B020-02-0017	UJ	5/21/02	6/20/02	6/30/02
0-B020-04-0018	UJ	5/21/02	6/20/02	6/30/02
0-B020-06-0019	UJ	5/21/02	6/20/02	6/30/02
0-B019-02-0020	UJ	5/21/02	6/20/02	6/30/02
0-B019-03-0021	UJ	5/21/02	6/20/02	6/30/02
0-B019-06-0028	UJ	5/23/02	6/20/02	6/30/02
0-B019-08-0029	UJ	5/23/02	6/20/02	6/30/02
0-B016-04-0051	UJ	5/28/02	6/25/02	6/29/02
1-B016-04-0052	UJ	5/28/02	6/25/02	6/29/02
0-B016-06-0053	UJ	5/28/02	6/25/02	6/29/02
0-B016-10-0054	UJ	5/28/02	6/25/02	6/29/02
0-B017-02-0056	UJ	5/28/02	6/25/02	6/29/02
0-B017-04-0057	UJ	5/28/02	6/25/02	6/29/02
0-B017-06-0058	UJ	5/28/02	6/25/02	6/29/02
0-B018-04-0060	UJ	5/29/02	6/25/02	6/30/02
0-B018-06-0061	UJ	5/29/02	6/25/02	6/30/02
0-B008-02-0118	UJ	6/7/02	7/10/02	7/14/02

4.2 Initial Calibration

Initial calibration (IC) standards containing Aroclors 1016 and 1260 at 5 concentrations are used to demonstrate the linearity of the detector response. Single standards of the other five Aroclors are then used to determine the calibration factor for each of the Aroclors.

The initial calibration met QC standards.

4.3 Continuing Calibration

The instrument calibration should be verified at no greater than 12 hour or twenty sample intervals. Using a mixture of Aroclors 1016 and 1260. The % Difference between the Initial Calibration and the Continuing Calibration can be no more than 15%.

Continuing Calibration met QC standards.

4.4 Blanks

The laboratory analyzes one method blank for every 20 samples or LSDG. Laboratory blanks are analyzed to determine if laboratory or field processes are contributing to the detected sample contamination.

No Aroclors were detected in the blank.

4.5 System Monitoring Compounds

Laboratory performance on individual samples is established by means of spiking activities. All samples are spiked with System Monitoring Compound (SMC). Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation and review of the data based on specific sample results is frequently subjective and demands analytical experience and professional judgment.

In four of the samples the SMC exceeded QC recovery criteria. These samples are qualified as "UJ". See Table 3

4.6 Matrix Spike

A matrix spike (MS) and a matrix spike duplicate (MSD) analysis are performed to assess the precision and accuracy of the laboratory analysis on the sample matrix at the time of the sample analysis. One MS/MSD spike is performed for every 20 samples or LSDG. It also may indicate analysis bias due to sample matrix effects. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, this data should be used in conjunction with other QC information.

The MS/MSD data met QC criteria.

4.7 Laboratory Control Sample

The Laboratory Control Sample (LCS) is a standard sample with a known quantity of the analyte(s) of concern. The LCS recovery is an indication of whether the analytical

process was in control during the analysis. One LCS should be analyzed for every 20 samples or each LSDG.

All LCS recoveries were within QC requirements.

4.8 Equipment Rinsates

Equipment rinsates are used to ensure efficacy of equipment field decontamination procedures, and that the sample collection process is not causing cross contamination.

No chemical analytes equipment rinsates were collected.

4.9 Field Duplicates

Field Duplicates give an indication of the degree of homogeneity within the sample material. As with Laboratory duplicates they are reported as RPD.

No field duplicates were collected due to a scarcity of sample material.

5.0 Data Validation

The results of LSDG F2F180326 were fully data validated. In addition to the items discussed above, the following items were evaluated:

1. Instrument calibration calculations
2. Spike recovery calculations
3. Sample run logs

No additional qualification resulted from this assessment. There was no indication of a systemic deficiency.

6.0 TSCA Determination

Since the TSCA regulatory level is 50 mg/kg and no Aroclors were detected at 50 µg/kg the samples are not regulated as PCB wastes.

7.0 Certification

Based upon this review the PCB analysis data may be used as presented with no further qualifications other than noted above and indicated in Table 3.

Table 3 R/SW PCB Analyses

Sample Location R/SW-	MEIMS #	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Decachloro biphenyl	Flag
0-B020-02	0017	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	140	UJ
0-B020-04	0018	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	169	UJ
0-B020-06	0019	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	139	UJ
0-B019-02	0020	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	**174**	UJ
0-B019-03	0021	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	**172**	UJ
1-B019-03	0022	Insufficient Recovery										
0-B019-06	0028	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	**183**	UJ
0-B019-08	0029	< 36	< 36	< 36	< 36	< 36	< 36	< 36	< 36	< 36	130	UJ
0-B016-02	0050	Insufficient Recovery										UJ
0-B016-04	0051	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	99	UJ
1-B016-04	0052	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	103	UJ
0-B016-06	0053	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	107	UJ
0-B016-10	0054	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	108	UJ
0-B017-02	0056	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	119	UJ
0-B017-04	0057	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	95	UJ
0-B017-06	0058	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	118	UJ
0-B018-02	0059	Insufficient Recovery										UJ
0-B018-04	0060	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	101	UJ
0-B018-06	0061	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	102	UJ
0-B018-10	0062	Insufficient Recovery										
0-B011-02	0110	< 36	< 36	< 36	< 36	< 36	< 36	< 36	< 36	< 36	134	
0-B011-04	0111	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	119	
1-B011-04	0112	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	121	
0-B011-06	0113	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	126	
0-B010-02	0114	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	130	
0-B010-04	0115	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	135	
0-B009-02	0116	< 34	< 34	< 34	< 34	< 34	< 34	< 34	< 34	< 34	133	
0-B009-04	0117	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	124	
0-B008-02	0118	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	< 38	91	UJ
0-B008-04	0119	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	144	
1-B008-04	0120	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	< 41	145	
0-B006-02	0121	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	< 39	150	
0-B006-04	0122	< 34	< 34	< 34	< 34	< 34	< 34	< 34	< 34	< 34	**182**	UJ
F2F180326	F2F120210											
Blank		< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	104	
LCS	% recovery	116						125			107	
0-B020-02	0017MS	104						107			98	
0-B020-02	0017MSD	111						118			102	
F2F200174												
Blank		< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	95	
LCS	% recovery	83						83			88	

"<" indicate non-detects at the Practical Quantitation Level listed

UJ indicates estimated non-detects.
Bold QC results are outside QC criteria.

1.0 Introduction

Analytical data assessment can be performed on many quality control levels. On the most basic level the data can be reviewed for completeness. Does the reported data cover the intended samples? Were the samples analyzed for the planned analyses? Does the data package contain all the information called for by the SOW and/or SAP?

A Data Review involves an assessment of the quality controls used by the laboratory during the performance of the analysis. These include such things as laboratory blanks, system monitoring compound (surrogate) recoveries, matrix spikes, etc. Were the correct QC controls used, and does the QC data indicate the analyses were performed acceptably? Which quality controls are assessed and what criteria are applied depend on the analysis performed. The results of field quality control measures such as field duplicates and trip blanks may also be evaluated. Data Review is normally performed on 100% of the analytical data.

A full Data Validation is a much more detailed review of the entire laboratory data package. It includes all the elements of the Data Review plus verification of such things as proper instrument calibration, proper use of standards and correct performance of data calculations. Data Validation is used to identify systemic problems with the way the laboratory performs and reports analyses.

2.0 Description of the Data Set

The data being evaluated was collected in accordance with the "R and SW Sampling and Analysis Plan, Final (April 2002)" in May-June 2002. The purpose of the SAP was to investigate the subsurface soils external to and in the vicinity of R and SW buildings. The plan called for 44 borings around the perimeter of R and SW buildings concentrating on the west and south sides of SW. Samples were collected in 2-foot composites down to bedrock refusal. The specifics of the sample locations are contained in the SAP.

Contaminants of concern were picked based upon process knowledge and previous sampling performed in the area. Details of previous samplings and the selection of contaminants of concern are contained in the SAP.

The current data evaluation is being performed to support the characterization for waste disposal of underground radioactive waste line soils. A significant area of the soils sampled under this SAP overlap the vicinity of the radioactive underground waste line. This data represents the most recent data nearest to the potential sources of possible contamination associated with the underground line soils.

The original analyses were performed on a total basis; however, a worse case RCRA toxic (TCLP) evaluation can be obtained from the collected data. This use is discussed further in Section 6.0.

While there was no evidence of Volatile Organic Analytes (VOA) in previous samplings, organic solvents were used in the R and SW buildings. The SAP called for performing

field screening by either PID or FID for indications of VOAs. The field screening was positive for three samples and they were forwarded to the laboratory for analysis.

No field duplicates were collected due to the scarcity of sample material.

Samples were collected from all locations as planned except for locations B007 and B032. These borings were not made due to their proximity to underground utilities.

Equipment rinsates were collected at least once a day; however, the rinsates were measured only for radioactivity. No significant radioactive contamination was detected in the rinsates.

All samples were run for a long count screening at the Mound Soil Screening Laboratory (Gamma Spectroscopy) prior to off site analysis. Offsite chemical sample analyses were performed at Severn Trent Laboratories, St. Louis.

There were no problems associated with the documentation, shipment, or chain of custody of the samples. There were no problems in achieving the analyte detection goals.

Table 1. Sample Identification

Sample Date	LSDG	Number of Samples	Mound Sample IDs
6/5/02	F2F110184	2	R/SW-0-B036-10-0105 R/SW-1-B036-10-0106
6/7/02	F2F120210	2	R/SW-0-B010-04-0115 R/SW-0-B008-02-0118

LSDG – Laboratory Sample Delivery Group

3.0 Data Completeness

The correct samples were submitted and analyzed for the analyses requested in the Sample and Analysis Plan. The data packages received back from the laboratory were complete.

4.0 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following qualification flags are used to indicate data quality problems identified during the data review process.

Table 2. Data Review Qualifications

Flag	Description
J	Estimated sample result
U	Non-detect sample result
UJ	Estimated non-detected sample result
R	Rejected (unusable) sample result

4.1 Holding Times

There are no EPA mandated technical hold times for VOA analysis of soils. The recommended hold time for water samples is 14 days.

All samples in these LSDGs were analyzed for VOA within 14 days.

4.2 GC/MS Instrument Performance Check

The successful analysis of the Instrument Performance Check of Bromofluorobenzene (IPC-BFB) solution must be performed at the beginning of each 12-hour period during which samples or standards are analyzed.

Successful IPC-BFB were run within 12 hours of the sample analyses and associated QC analyses.

4.3 Initial Calibration

Initial calibration (IC) standards containing both volatile target compounds and system monitoring compounds are analyzed at concentrations of 10, 20, 50, 100, and 200 µg/L at the beginning of each analytical sequence or as necessary if the continuing acceptance criteria are not met. The IC must be analyzed within 12 hours of the associated IPC-BFB. All Relative Response Factors (RRF) must be ≥ 0.05. The Percent Relative Standard Deviation (%RSD) for given standard concentration must be $\leq 30\%$.

The ICs were performed within 12 hours of an IPC-BFB. All IC RFFs were greater than 0.05 and the RSD%s were less than 30% except for Bromomethane (30.5%) in LSDG F2F110184 and Methylene chloride (54.1%) in LSDG F2F120210. Neither were detected in any of the samples.

4.4 Continuing Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data. Continuing Calibration Verifications (CCV) establishes the 12-hour RRF on which the quantitations are based and checks the satisfactory performance of the instrument on a day-to-day basis. All Relative Response Factors (RRF) must be ≥ 0.05. The Percent Difference (%D) for between the IC RRF and the CCV RRF must be within $\pm$ 20%.

The CCVs were performed within 12 hours of an IPC-BFB. All CCV RFFs were greater than 0.05 and the %Ds were less than 20% except for Acetone (-57.4%), cyclohexanone (-99.1%), and 2 chloroethyl vinyl ether (58.2%) in LSDG F2F110184. None of these compounds were detected in the samples.

4.5 Blanks

The laboratory analyzes one method blank for every 20 samples or LSDG. Laboratory blanks are analyzed to determine if laboratory or field processes are contributing to the detected sample contamination. A method blank must be performed after the calibration standards.

Trace levels (i.e., less than the Practical Quantitation Level) of Acetone, Methylene Chloride, and Toluene were found in the method blank in LSDG F2F110184. Trace levels of Acetone were found in the method blank of F2F120210. These are common laboratory contaminants. Since no significant levels were identified in the samples no qualification of the results is warranted.

For all other analytes the method blank associated with the verification samples met QC criteria.

All initial and continuing calibration blanks met QC criteria.

4.6 System Monitoring Compounds

Laboratory performance on individual samples is established by means of spiking activities. All samples are spiked with System Monitoring Compounds (SMC) just prior to sample purging. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation and review of the data based on specific sample results is frequently subjective and demands analytical experience and professional judgment.

There were no problems associated with the SMC recoveries.

4.7 Internal Standards

Internal Standards (IS) are spike compounds added to every sample and used to compute the measured analytes. IS performance criteria ensure that GC/MS sensitivity and response are stable during each analysis. IS area counts must not vary by more than a factor of 2 from the associated 12hr. calibration standard. Retention time of each IS must not vary more than ± 30 seconds from the retention time of the associated 12hr. calibration standard.

All IS passed QC criteria.

4.8 Matrix Spike

A matrix spike (MS) and a matrix spike duplicate (MSD) analysis are performed to assess the precision and accuracy of the laboratory analysis on the sample matrix at the time of the sample analysis. One MS/MSD spike is performed for every 20 samples or LSDG. It also may indicate analysis bias due to sample matrix effects. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, this data should be used in conjunction with other QC information.

For LSDG F2F110184 the MS/MSD were not run on Mound samples. For LSDG F2F120210 all MS/MSD analytes met QC criteria.

4.9 Laboratory Control Sample

The Laboratory Control Sample (LCS) is a standard sample with a known quantity of the analyte(s) of concern. The LCS recovery is an indication of whether the analytical process was in control during the analysis. One LCS should be analyzed for every 20 samples or each LSDG.

All LCS recoveries were within QC requirements.

4.10 Equipment Rinsates

Equipment rinsates are used to ensure efficacy of equipment field decontamination procedures, and that the sample collection process is not causing cross contamination.

No chemical analytes equipment rinsates were collected.

4.11 Field Duplicates

Field Duplicates give an indication of the degree of homogeneity within the sample material. As with Laboratory duplicates they are reported as RPD.

No field duplicates were collected due to a scarcity of sample material.

5.0 Data Validation

The results of LSDG (F2F120210) were fully data validated. In addition to the items discussed above, the following items were evaluated:

1. Instrument calibration calculations
2. Spike recovery calculations.
3. Sample run logs
4. Compound quantification calculations

No additional qualification resulted from this assessment. There was no indication of a systemic deficiency.

6.0 RCRA Determination

A worse case estimate of the RCRA toxic material contained in samples based upon their total analysis results can be made by dividing the results (mg/kg) by 20 representing the leaching of all toxic material and diluted by the TCLP 1 to 20 leachate.

The RCRA toxic VOA analytes were all well below the regulatory levels.

7.0 Certification

Based upon this review the VOA analysis data may be used as presented with no further qualifications.

Table 3 R/SW VOA Analyses

µg/kg	Sample	flag	Sample	flag	Sample	flag	Sample	flag
Sample ID	B036-10-0105		B036-10-0106		B010-04-0115		B008-02-0118	
1,1,1-Trichloroethane	6.4	U	6.2	U	5.6	U	5.8	U
1,1,2,2-Tetrachloroethane	6.4	U	6.2	U	5.6	U	5.8	U
1,1,2-Trichloroethane	6.4	U	6.2	U	5.6	U	5.8	U
1,1-Dichloroethane	6.4	U	6.2	U	5.6	U	5.8	U
1,1-Dichloroethene	6.4	U	6.2	U	5.6	U	5.8	U
1,2-Dichlorobenzene	6.4	U	6.2	U	0.64	J	5.8	U
1,2-Dichloroethane	6.4	U	6.2	U	5.6	U	5.8	U
1,2-Dichloroethene (total)	13	U	12	U	24		12	U
1,2-Dichloropropane	6.4	U	6.2	U	5.6	U	5.8	U
1,3-Dichlorobenzene	6.4	U	6.2	U	5.6	U	5.8	U
1,4-Dichlorobenzene	6.4	U	6.2	U	5.6	U	5.8	U
2-Butanone	26	U	69		60		18	J
2-Hexanone	26	U	25	U	22	U	23	U
4-Methyl-2-pentanone	26	U	25	U	22	U	23	U
Acetone	200	B	210	B	210	B	100	B
Benzene	6.4	U	6.2	U	5.6	U	5.8	U
Bromodichloromethane	6.4	U	6.2	U	5.6	U	5.8	U
Bromoform	6.4	U	6.2	U	5.6	U	5.8	U
Bromomethane	13	U	12	U	11	U	12	U
Carbon disulfide	6.4	U	6.2	U	5.6	U	5.8	U
Carbon tetrachloride	6.4	U	6.2	U	5.6	U	5.8	U
Chlorobenzene	6.4	U	6.2	U	5.6	U	5.8	U
Chloroethane	13	U	12	U	11	U	12	U
Chloroform	6.4	U	6.2	U	5.6	U	5.8	U
Chloromethane	13	U	12	U	11	U	12	U
cis-1,3-Dichloropropene	6.4	U	6.2	U	5.6	U	5.8	U
Dibromochloromethane	6.4	U	6.2	U	5.6	U	5.8	U
Ethylbenzene	6.4	U	6.2	U	5.6	U	5.8	U
Methylene chloride	1.6	J B	1.7	J B	6.9	B	7	B
Styrene	6.4	U	6.2	U	5.6	U	5.8	U
Tetrachloroethene	6.4	U	6.2	U	5.6	U	5.8	U
Toluene	1.1	J B	0.54	J B	0.57	J	5.8	U
trans-1,3-Dichloropropene	6.4	U	6.2	U	5.6	U	5.8	U
Trichloroethene	6.4	U	6.2	U	5.6	U	5.8	U
Vinyl chloride	6.4	U	6.2	U	5.6	U	5.8	U
Xylenes (total)	13	U	12	U	11	U	12	U
1,2-Dichloroethane-d4	96	%	97	%	106	%	103	%
4-Bromofluorobenzene	108	%	111	%	105	%	99	%
Dibromofluoromethane	107	%	109	%	109	%	109	%
Toluene-d8	116	%	122	%	103	%	102	%

J indicate analytes that were detected but are below Practical Quantitation Levels (PQL).
U indicates non-detects at the listed detection levels.
B indicates analytes that were also detected in the method blank.

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PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: M061

Waste Stream Number(s): SR-MD-SOIL

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☑ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☐ D - Discrepancy Resolution
☑ Additional Information	☑ M - Miscellaneous or Memo
	☐ P - Published Document or Controlled Database
	☐ I - Internal Procedure or Note
	☐ U - Unpublished Data

Title of Source Document: Sample and Analysis Plan-West Asphalt (SM/PP Hill), and Additional Documentation (See Document Summary for Additional Documentation Titles)

Source Document Reference Information (author(s), document and revision number, date, publisher): Author: NA, Document Number and Revision: NA, Various

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR1, PR6, PR7, WS1, WS2, WS8, WS9, WS11, WS12, S5, S9, S12	Throughout	Sample and Analysis Plan-West Asphalt (SM/PP Hill), E. Jendrek, no date; E-mails to L. Turner from E.F. Jendrek, 1) Re: Validation of West Asphalt Soil Sampling, 9/16/03, 2) Validation of West Asphalt Soil Sampling, 2/18/04; Data Review & Validation-West Asphalt Radiological, E. Jendrek, no date; Spreadsheets: West Asphalt Gamma Spec. Characterization, Metals, Semi-volatiles, and Volatiles The West Asphalt location on the SM/PP hill is known to historically contain several radiological hot spots. The West Asphalt area is immediately adjacent and west to the SM/PP stack running west ot the roadway and approximately 30 meters north. The maximum suspected contamination based on historical data is 20,000 pci/g of Pu. Soil sampling was done because of questions about the accuracy of the historical data, and to better define the extent of any contamination. Memo from E. F. Jendrek to Lisa Turner (dated 9/16/03) - Validation of West Asphalt Soil Sampling Sample collection was planned for 28 locations on a 10 meter grid, however due to the demolition of the SM/PP stack, only 25 samples were collected at depths ranging from 10 inches to 11 feet 7 inches with most holes in the 5-7 foot range. All samples were analyzed for TCLP-Metals, TCLP-Volatiles, and TCLP- Semivolatiles. Insignificant amounts of Ba, As, Se, & Nz were found in some of the methods blanks. All measured RCRA metal analytes were well below the regulatory limits. TCLP VOCs - The LCS recovery for vinyl chloride was above QC criteria for one LSDG. An insignificant amount of Tetrachloroethane was found in one method blank. Trace amounts of Tetrachloroethane were found in 5 samples. No other RCRA VOA analytes were detected in any sample. TCLP SVOCs - The surrogate recoveries (5 of 6) in the method blank were below QC criteria for one LSDG. The MSD recovery for 3-/4-methylphenol was just below QC criters for some LSDGs. No RCRA SVOCs analytes were detec ted in any sample.

CCP RECORDS ORIGINAL
DATE REC'D 11-4-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)		Source Document Tracking Number: M061
AK # [a]	**Source Doc. Page # [b]**	**AK Information Summary**
		Data Review and Validation (West Asphalt Radiological) Sub-surface soil samples were collected at 25 locations in the West Asphalt area of the SM/PP Hill. This area is north and west adjacent to the location of the brick stack. 25 samples were sent to an off site lab for TCLP (metals, VOA, & SVOA) analysis. 2 samples were also analyzed off site by gamma spec. West Asphalt Gamma Spec Results are included in this document. West Asphalt Metals results are included - several RCRA metal were detected in small quantities, but none above the regulatory limits. West Asphalt Semivols results are included. West Asphalt VOC results are included.

Source Document Data Limitations (if any):

1. analytical data do not represent the entire population of soil

Acceptable Knowlege Expert:

Sherry Auckland, _____ Date: 10/27/2011

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

M061
SRS-8

SAMPLE AND ANALYSIS PLAN
West Asphalt (SM/PP Hill)

1. INTRODUCTION

The "West Asphalt" location on the SM/PP hill is known to historically contain several radiological hot spots. The West Asphalt area is immediately adjacent and west to the SM/PP stack running west to the roadway and approximately 30 meters north. See Figure 1.

The purpose of collecting soil samples here is to identify the extent of contamination, to guide subsequent soil removal actions, and to characterize the soil sufficiently for disposal upon removal.

Samples are to be collected by the Mound Sample Management Office. All samples collected are to be screened by gamma spectroscopy by the Mound Soil Screening Laboratory before shipment off site for analysis at a contract laboratory.

1.1. Historical Information

Figure 1 indicates graphically the scope of historic analytical data known about the West Asphalt area. The colored, topographic gradients indicate the areas suspected of having the greatest plutonium contamination. The maximum suspected contamination based on historical data is 20,000 pCi/g of plutonium. The current investigation is being undertaken because of questions about the accuracy to the historical data, and to better define the extent of any contamination.

There is no historical information to suggest chemical contamination of this area.

2. DATA QUALITY OBJECTIVES (DQOs)

2.1. Problem Statement

Historical information suggests that the West Asphalt area contains significant plutonium contamination. The extent (as to breath, depth as well as concentration) is not currently well defined.

The purpose of the current investigation is to establish the extent of contamination in the West Asphalt Area in order to guide the scope of any required future removal action. In addition, the potentially removed soil needs to be sufficiently characterized with respect to the acceptance criteria at its disposal site. The disposal site is currently envisioned to be the Nevada Test Site.

This investigation is being undertaken at the request of the Mound Environmental Restoration Section and representatives of the Mound Waste Management Section. The Mound Sample Management Office will perform the sampling with the assistance of the Radiation Protection Group and a contract driller.

The decision makers for the question of extent of contamination are the Mound CORE team. The Mound Waste Certification Official will determine if the soil is sufficiently characterized for disposal.

2.2. Decision Identification

Soil above the plutonium action level set by the Mound Core Team is required to be remediated. The current action level is 55 pCi/g. Soil below this level need not be removed.

In order for any removed soil to be disposed of at the Nevada Test Site (NTS) it must be shown to meet the NTS Waste Acceptance Criteria (WAC). Besides characterizing the scope of radiological contamination samples will also be collected to ensure that the soil is not a mixed waste with respect to RCRA metals, volatile organics, and semivolatile organics as defined in the WAC.

2.3. Decision Inputs

The decision of the extent of contamination will be based on the results of radiological analysis performed as part of this investigation.

RCRA metals, volatile organics, and semivolatile organics will be measured at off site laboratory to ensure any potentially removed soil meets the NTS WAC.

The following chemical analytes will be measured

Table 1 Metal Target TCLP Leachate Analyte List By SW-846 Method 1311/6010/7471

Metal	CAS No.	Detection Limit[1] mg/L
Arsenic (As)	7440-38-2	0.5
Barium (Ba)	7440-39-3	10.0
Cadmium (Cd)	7440-46-9	0.1
Chromium (Cr)	7440-47-3	0.5
Lead (Pb)	7439-92-1	0.5
Mercury (Hg)	7439-97-6	0.02
Selenium (Se)	7782-49-2	0.1
Silver (Ag)	7440-22-4	0.5
Copper (Cu)[2]	7440-50-8	5
Zinc (Zn)[2]	7440-66-6	4

1. Detection Limits are instrument detection limits obtainable for pure water samples. Detection Limits for samples may be considerably higher depending on sample matrix.
2. Additional non-RCRA analytes.

Table 2 Volatile Organic TCLP Leachate Target Analyte List By SW-846 Method 1311/8260

VOC	CAS No.	Detection Limit[1] mg/L
Benzene	71-43-2	0.05
Carbon Tetrachloride	56-23-5	0.05
Chlorobenzene	108-90-7	10.0
Chloroform	67-66-3	0.6
1,2-Dichloroethane	107-06-2	0.05
1,1-Dichloroethylene	75-35-4	0.07
Methyl Ethyl Ketone	78-93-3	20
Tetrachloroethylene	127-18-4	0.07
Trichloroethylene	79-01-6	0.05
Vinyl Chloride	75-01-4	0.02

1. Detection Limit is instrument detection values obtainable for pure water samples. Detection Limits for samples may be considerably higher depending on sample matrix.
2. All Tentatively Identified Compounds (TIC) are also to be reported. TIC are compounds detected that are not target compounds nor alkanes having peak areas 10% of the peak areas of the nearest internal standard.

Table 3 Semivolatile Organic TCLP Leachate Target Analyte List By SW-846 Method 1311/8270

SVOC	CAS No.	Detection Limit[1] mg/L
Cresols (o-, m-, p-)	95-48-7 108-39-4 106-44-5	20.0
1,4-Dichlorobenzene	106-46-7	0.75
2,4-Dinitrotoluene	121-14-2	0.013
Hexachlorobenzene	118-74-1	0.013
Hexachlorobutadiene	87-68-3	0.05
Hexachloroethane	67-72-1	0.03
Nitrobenzene	98-95-3	0.02
Pentachlorophenol	87-86-5	10.0
Pyridine	110-86-1	See note 3
2,4,5-Trichlorophenol	95-95-4	40.0
2,4,6-Trichlorophenol	88-06-2	0.20

1. Detection Limit is instrument detection values obtainable for pure water samples. Detection Limits for samples may be considerably higher depending on sample matrix.
2. All Tentatively Identified Compounds (TIC) are also to be reported. TIC are compounds detected that are not target compounds nor alkanes having peak areas 10% of the peak areas of the nearest internal standard.
3. No established instrument detection limit.

2.4. Study Boundaries

The physical boundary of the West Asphalt area is shown of the boxed grid shown in Figure 1. It will be noted that additional sample locations are delineated outside the boxed area to ensure that the full extent of any contamination is captured.

Samples will be collected from the surface to bedrock refusal. This is estimated to be 1 to 12 feet in depth.

Samples will be held to be characteristic of only their respective grids. That is, contamination at one location will not imply contamination throughout the entire area.

2.5. Decision Rule

Soil above the CORE Team action levels will be remediated. Soil below the action levels will not need to be remediated.

Removed soil that meets the NTS WAC will be shipped to NTS. Soil not meeting the NTS WAC will be disposed of by alternative means.

3. SAMPLE COLLECTION DESIGN

Samples will be collected at 28 locations on a 10 meter grid. Samples will be collected using a split spoon collector on a direct push drill rig. Direct instrument readings on the undisturbed core will be used to identify if any segments of the core contain significant radiological concentration. A composite sample will be made at each drill location from surface (minus any asphalt cover) down to bedrock refusal.

Sample locations on the grid that are inaccessible due to preparation to raze the SM/PP stack will not be collected

4. OPERATIONAL DETAILS

4.1. Sample Locations

Samples will be collected on a 10 meter grid. Sample locations are indicated on Figure 1 as WASP01 through WASP28. Sample locations will be location GPS and flagged prior to sample collection commencement.

Sample collection order will be made at commencement of sampling based upon other work in the area and minimizing the spread of potential contamination.

4.2. Quantity of material to be collected for each sample

The following sample amounts will be collected:

Table 4 Sample Collection Size and Handling

Analysis	Sample Container	Preservation	Special Instructions
VOA	120 ml WMG	cool	To be collected first
SVOA	250 ml WMG	cool	
Metals	250 ml WMG		
Gamma Spec	EPA Dish		

4.3. Sample Identification Protocol.

Samples will be identified by the drill locations as shown for Figure 1.

5. SAMPLING PROCEDURES AND EQUIPMENT

5.1. Field Sampling Procedures

The following Mound standard procedures will be utilized (See MD-80045):

Table 5. Standard Operation Procedures

Method Number	Operation
S-001	General Instructions for Field Personnel
S-003	Soil and Rock Borehole Logging and Sampling

Method Number	Operation
S-004	Guide to the Management of Collected Investigative Derived Material
S-020	General Equipment Decontamination
S-028	Guide to Handling, Packaging, and Shipping Samples
Q-002	Chain of Custody Procedures
Q-003	Sample Documentation Requirements

5.2. Sample Screening Procedure

Health Physic will check all samples for radiological levels during collection for personnel safety and contamination minimization.

Samples will be measured in the Mound Soil Screening Facility by gamma spectroscopy prior to shipment off site.

5.3. Quality Assurance

5.3.1. Field Quality Control Samples

1. **Field Duplicates** – No field duplicates will be collected because of the limited amount of material available for samples.

2. **Field Blanks** – No field blanks will be collected.

3. **Trip Blanks** – Trip blanks will be sent with the shipments of all VOA samples.

4. **Equipment Rinsate** – Samples of the equipment rinsate liquids will be submitted to the on site lab for radiological analysis.

6. ANALYSIS

6.1. Analytical Laboratory

All chemical samples will be submitted to STL, St. Louis to perform the analyses listed in Table 1 through 3. Two gamma spectroscopy samples will also be submitted to confirm the on site results.

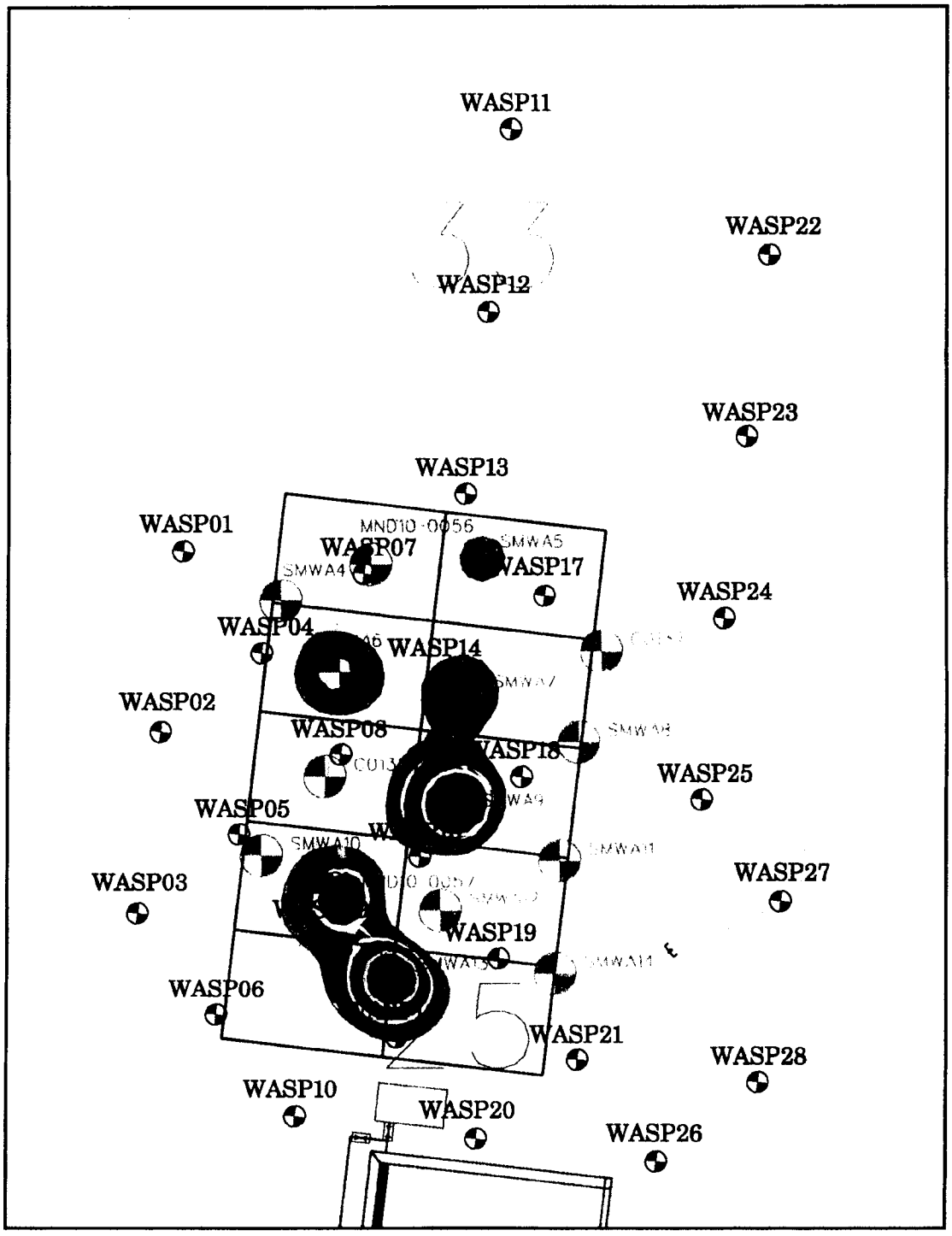

Figure 1. SM West Asphalt Sample Locations

M102.1

Date: September 16, 2003

From: E. F. Jendrek

Subject: Validation of West Asphalt Soil Sampling
LSDG F3E230133, F3E280217, F3E290257, F3E300147, & F3F060133

To: Lisa Turner

Samples were collected from the "West Asphalt" area adjacent to the SM/PP stack 5/20-5/27/03 by direct push. Composite samples were collected for the entire depth of each hole. Depths ranged from 10 inches to 11 feet 7 inches with most holes in the 5 – 7 foot range. The holes were spaced on a 10 meter grid. Three locations on the 28 point grid were not collected because of the demolition of the SM/PP stack. All of the samples were analyzed at the Mound soil screening facility by gamma spectroscopy prior to chemical analysis off site. The samples were sent to Severn Trent Laboratories, St. Louis for chemical characterization (LSDG F3E230133, F3E280217, F3E290257, F3E300147, & F3F060133). All samples were analyzed for TCLP-Metals, TCLP-Volatiles, and TCLP-Semivolatiles.

The chemical results have been verified and validated according to the operations in MD-80045, Mound Methods Compendium. The following operations were employed:

Method Number	Description
Q-006	Validation of Laboratory Data Packages
Q-016	Data Quality Review
DV-005	Metals Data Validation
DV-001	Volatile Organic Data Validation
DV-003	Semivolatile Organic Data Validation

The results of the data verification and validation process are as follows.

I. **Verification**:

The Chain-of-Custody and Analytical Request Forms were reviewed. No irregularities were found.

All samples were analyzed within the EPA recommended hold times for the correct analyses.

There was no mention in the case narratives of any problems or irregularities noted with regards to the TCLP extraction.

All requested analyses were completed. There were no irregularities connected to the sample documentation, preservation or shipment.

2. **Validation**:

A. TCLP Metals Analysis:

Insignificant amounts of Ba, As, Se, & Zn were found in some of the method blanks.

All other QC criteria were met.

All measured RCRA metal analytes were well below the regulatory limits. Cu, Zn, Se, Cr, and Ba were detected at low levels in some of the samples

B. TCLP Volatile Organics Analysis:

The MS/MSD for 2 LSDGs were not run on Mound samples as per our SOW. The LCS recovery for vinyl chloride was above QC criteria for one LSDG. An insignificant amount of Tetrachloroethane was found in one method blank.

All other QC criteria were met.

Trace amounts of Tetrachloroethane were found in 5 samples. No other RCRA VOA analytes were detected in any sample.

C. TCLP Semivolatile Organics Analysis:
The surrogate recoveries (5 of 6) in the method blank were below QC criteria for one LSDG. The MSD recovery for 3-/4-methylphenol was just below QC criteria for some LSDGs. The LSC recovery of pyridine was below QC criteria for some LSDGs.

All other QC criteria were met.

No RCRA SVOA analytes were detected in any sample.

3. **Certification:**
All the chemical analytical data can be used as presented.

I have evaluated the analytical data, and certify that the sampled material is not a characteristic, hazardous solid waste as defined in 40CFR261.20 to 261.24. It is not classified as a hazardous waste according to the Ohio Administrative Code, Section 3745-51.

E. F. Jendrek
Sample Management Office Coordinator
Environmental Safeguards and Compliance

Date: February 18, 2004

From: E. F. Jendrek

Subject: Validation of West Asphalt Soil Sampling
LSDG F3E290257 – Gamma Spectroscopy Results

To: Lisa Turner

Samples were collected from the "West Asphalt" area adjacent to the SM/PP stack 5/20-5/27/03 by direct push. Composite samples were collected for the entire depth of each hole until refusal. Depths ranged from 10 inches to 11 feet 7 inches with most holes in the 5 – 7 foot range. The holes were spaced on a 10 meter grid. Three locations on the 28 point grid were not collected because of the demolition activities related to the SM/PP stack removal. All of the samples were analyzed at the Mound soil screening facility by gamma spectroscopy prior to shipment for analysis off site. The samples were sent to Severn Trent Laboratories, St. Louis for chemical characterization (LSDG F3E230133, F3E280217, F3E290257, F3E300147, & F3F060133). All samples were analyzed for TCLP-Metals, TCLP-Volatiles, and TCLP-Semivolatiles. Two samples (WASP-14 & WASP-15) were analyzed at STL by gamma spectroscopy

The chemical results have been validated and reported in a previous report. This report discusses the validation of the off site radiological results. The following procedures from the Mound Methods Compendium (MD-80045) were used to evaluates the results:

Method Number	Description
Q-006	Validation of Laboratory Data Packages
Q-016	Data Quality Review
DV-015	Gamma Spectroscopy Data Validation

The results of the data verification and validation process are as follows.

I. **Verification**:
The Chain-of-Custody and Analytical Request Forms were reviewed. No irregularities were found.

There is no hold time consideration for the isotopes of interest.

All requested analyses were completed. There were no irregularities connected to the sample documentation, preservation or shipment.

2. **Validation**:
Gamma Spectroscopy Analysis:
All QC criteria were met.

No anomalies were noted or discovered in performing the analysis. The results obtained off site are in reasonable agreement with those obtained on site.

3. **Certification:**
The gamma spectroscopy analytical data can be used as presented.

E. F. Jendrek
Sample Management Office Coordinator

Environmental Safeguards and Compliance

1.0 Introduction

Analytical data assessment can be performed on two quality control levels. Data Review involves an assessment of the quality controls used by the laboratory during the performance of the analysis. These include such things as laboratory blanks, system monitoring compound (surrogate) recoveries, matrix spikes, etc. Which controls are assessed and what criteria are applied depend on the analysis performed. The results of field quality control measures such as field duplicates and trip blanks may also be evaluated. Data Review is normally performed on 100% of the analytical data.

Data Validation is a much more detailed review of the entire laboratory data package. It includes all the elements of the Data Review plus verification of such things as proper instrument calibration, use of standards and performance of data calculations. Data Validation is used to identify systemic problems with the way the laboratory performs and reports analyses.

2.0 Description of the Data Set

Sub-surface soil samples were collected at 25 locations in the "West Asphalt" area of the SM/PP Hill. This area is north and west adjacent to the location of the brick stack. The original grid system called for 28 samples. Three sample locations were unavailable for sampling due to demolition activities related to the stack removal. All samples were screened in the Mound Soil Screening Facility by gamma spectroscopy. A total of 25 samples were sent to an off site laboratory for TCLP (Metals, VOA, & SVOA) analysis. Two samples were also analyzed off site by gamma spectroscopy. There were no problems in achieving the analyte detection goals.

No equipment rinsates and no field duplicate samples were sent off site.

Offsite sample analyses were all performed at Severn Trent, St. Louis.

Table 1 Summary of Laboratory Sample Delivery Group

LSDG	Samples
F3E290257	WASP-07, 09, 14, 15, 16, 17, 18, & 19

This evaluation only covers the off site gamma spectroscopy analyses of samples WASP-14 and WASP-15. The non-radiological analyses were validated in another report.

3.0 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following qualification flags were used to indicate data quality problems identified during the data review process. The qualifications mirror those used in Data Validation.

Table D.2 Data Review Qualifications

Flag	Description
J	Estimated sample result
UJ	Estimated non-detected sample result
R	Rejected (unusable) sample result

3.1 Blanks

The laboratory analyzes one blank for every 20 samples or LSDG. Laboratory blanks are analyzed to determine if laboratory processes are contributing to the detected sample activities.

There were no isotopes reported in the results of the blank associated with these samples.

3.2 Laboratory Duplicates

A laboratory duplicate (DUP) analysis is performed to assess the precision and accuracy of the laboratory analysis. One duplicate is performed for every 20 samples.

The Relative Percent Differences (RPD%) between the results of the duplicate samples ranged from 1-21%; however, this agreement is actually quite good considering the measured activities are very small and within one or two times their uncertainties. Very low levels of Ac-228 and Th-232 were found in the duplicate and not seen in the original sample.

3.3 Laboratory Control Sample

The Laboratory Control Sample (LCS) is a standard sample with a known quantity of the analyte of concern. The LCS recovery is an indication of whether the analytical process was in control during the analysis.

The recoveries of the 3 isotopes in the LCS ranged from 102 to 104%.

3.4 Equipment Rinsates

Equipment rinsates are used to ensure efficacy of equipment field decontamination procedures, and that the sample collection process is not causing cross contamination.

No equipment rinsates were sent off site. Only isotopes at background levels were found in the four equipment rinsates run on site.

3.5 Field Duplicates

Field Duplicates give an indication of the degree of homogeneity within the sample material. As with Laboratory duplicates they are reported as RPD.

No field duplicates were collected.

4.0 Data Validation

The results were further validated by examination of the following items:

1. Instrument Calibration data
2. Daily Instrument performance check
3. Background measurements

No additional qualification resulted from this assessment. There was no indication of a systemic deficiency.

The results of the on site gamma spectroscopy screening analysis are presented also. The agreement with the off site results are adequate considering the low levels of isotopes involved. The on site screening procedure neither dries nor homogenizes the sample.

Data Review & Validation

West Asphalt Gamma Spectroscopy Results

Severn Trent St. Louis

SAMPLE ID (pCi/g)	K-40	Cs-137	Pb-212	Ra-226	Pb-214	Ra-228	Th-232 (D)	Bi-214	Am-241	Ac-228
WASP-14	8.2	< 0.095	0.37	0.44	0.36		< 0.33	0.35	0.27	
WASP-14 DUP	8.4	< 0.005	0.0295	0.40	0.35	< 0.44	0.40	0.32	0.33	040
WASP-15	8.4	< 0.057	0.30	0.40	0.35	< 0.44	0.40	0.32	0.33	0.40

Mound Soil Screening Facility

SAMPLE ID (pCi/g)	Co-60	Cs-137	Pb-210	Ra-226	Ac-227 (D)	Th-230	Th-232 (D)	Pu-238	Am-241
WASP-01	< 0.06	< 0.07	0.56	0.91	< 0.23	< 5.11	0.31	< 15.3	< 0.06
WASP-02	< 0.08	< 0.06	< 0.63	< 0.83	< 0.23	< 6.60	0.46	< 10.6	< 0.06
WASP-03	< 0.04	< 0.03	< 0.67	0.74	< 0.27	< 5.64	0.40	< 20.2	< 0.06
WASP-04	< 0.08	< 0.05	< 0.78	< 0.70	< 0.23	< 5.38	0.40	< 18.9	0.07
WASP-05	< 0.08	0.22	< 0.65	1.35	< 0.30	< 5.53	0.63	103	0.12
WASP-06	< 0.06	< 0.06	< 0.72	< 0.81	< 0.26	< 5.87	0.31	< 17.4	< 0.07
WASP-07	< 0.04	0.07	< 1.31	0.80	< 0.68	< 6.70	0.43	2,951	6.30
WASP-08	< 0.07	0.14	< 2.03	< 0.94	< 0.24	< 9.29	0.52	14,120	33.0
WASP-09	< 0.11	0.30	< 1.50	< 0.89	< 0.37	< 7.91	0.37	6,493	11.5
WASP-10	< 0.09	< 0.06	0.71	< 0.77	< 0.23	< 5.61	0.44	< 15.2	< 0.06
WASP-11	< 0.09	0.28	0.95	1.17	< 0.34	< 7.75	0.71	< 19.1	< 0.08
WASP-12	0.02	0.03	0.69	1.28	< 0.30	< 6.18	0.44	< 18.1	< 0.07
WASP-13	< 0.08	< 0.06	< 0.71	< 0.92	< 0.27	< 7.01	0.58	< 18.3	< 0.07
WASP-14	< 0.05	< 0.05	< 0.83	1.01	< 0.26	< 5.81	0.46	29	0.15
WASP-15	< 0.05	< 0.04	< 0.91	0.69	0.48	< 6.87	0.46	642	0.76
WASP-16	< 0.07	< 0.07	< 0.70	0.97	< 0.20	< 5.57	0.30	349	0.68
WASP-17	< 0.06	< 0.07	< 1.07	1.39	< 0.28	< 8.08	0.41	2,705	4.68
WASP-18	< 0.07	< 0.05	< 0.61	1.32	< 0.27	< 5.62	0.51	< 13.9	< 0.07
WASP-19	< 0.06	< 0.03	< 0.39	< 0.61	< 0.18	< 5.04	0.25	< 11.9	< 0.05
WASP-20	< 0.10	< 0.04	< 0.69	< 0.81	< 0.23	< 4.45	0.41	< 13.7	< 0.05
WASP-21	< 0.04	< 0.03	< 0.72	< 0.66	< 0.33	7.62	0.38	< 15.6	< 0.07
WASP-22	< 0.05	< 0.05	< 0.65	0.82	< 0.23	< 6.35	0.30	42	0.12

Data Review & Validation

SAMPLE ID (pCi/g)	Co-60	Cs-137	Pb-210	Ra-226	Ac-227 (D)	Th-230	Th-232 (D)	Pu-238	Am-241
WASP-23	< 0.01	0.02	< 0.28	0.90	< 0.19	< 4.93	0.18	< 14.2	< 0.04
WASP-24	Not Collected								
WASP-25	Not Collected								
WASP-26	< 0.03	< 0.03	< 0.67	< 0.62	< 0.30	< 5.83	0.34	< 17.0	< 0.06
WASP-27	Not Collected								
WASP-28	< 0.02	0.02	< 0.67	1.57	< 0.28	< 5.03	0.55	< 44.1	< 0.06

Mound Soil Screening Facility									
SAMPLE ID (pCi/g)	**Co-60**	**Cs-137**	**Pb-210**	**Ra-226**	**Ac-227 (D)**	**Th-230**	**Th-232 (D)**	**Pu-238**	**Am-241**
WASP-01	< 0.06	< 0.07	0.56	0.91	< 0.23	< 5.11	0.31	< 15.3	< 0.06
WASP-02	< 0.08	< 0.06	< 0.63	< 0.83	< 0.23	< 6.60	0.46	< 10.6	< 0.06
WASP-03	< 0.04	< 0.03	< 0.67	0.74	< 0.27	< 5.64	0.40	< 20.2	< 0.06
WASP-04	< 0.08	< 0.05	< 0.78	< 0.70	< 0.23	< 5.38	0.40	< 18.9	0.07
WASP-05	< 0.08	0.22	< 0.65	1.35	< 0.30	< 5.53	0.63	103	0.12
WASP-06	< 0.06	< 0.06	< 0.72	< 0.81	< 0.26	< 5.87	0.31	< 17.4	< 0.07
WASP-07	< 0.04	0.07	< 1.31	0.80	< 0.68	< 6.70	0.43	2,951	6.30
WASP-08	< 0.07	0.14	< 2.03	< 0.94	< 0.24	< 9.29	0.52	14,120	33.0
WASP-09	< 0.11	0.30	< 1.50	< 0.89	< 0.37	< 7.91	0.37	6,493	11.5
WASP-10	< 0.09	< 0.06	0.71	< 0.77	< 0.23	< 5.61	0.44	< 15.2	< 0.06
WASP-11	< 0.09	0.28	0.95	1.17	< 0.34	< 7.75	0.71	< 19.1	< 0.08
WASP-12	0.02	0.03	0.69	1.28	< 0.30	< 6.18	0.44	< 18.1	< 0.07
WASP-13	< 0.08	< 0.06	< 0.71	< 0.92	< 0.27	< 7.01	0.58	< 18.3	< 0.07
WASP-14	< 0.05	< 0.05	< 0.83	1.01	< 0.26	< 5.81	0.46	29	0.15
WASP-15	< 0.05	< 0.04	< 0.91	0.69	0.48	< 6.87	0.46	642	0.76
WASP-16	< 0.07	< 0.07	< 0.70	0.97	< 0.20	< 5.57	0.30	349	0.68
WASP-17	< 0.06	< 0.07	< 1.07	1.39	< 0.28	< 8.08	0.41	2,705	4.68
WASP-18	< 0.07	< 0.05	< 0.61	1.32	< 0.27	< 5.62	0.51	< 13.9	< 0.07
WASP-19	< 0.06	< 0.03	< 0.39	< 0.61	< 0.18	< 5.04	0.25	< 11.9	< 0.05
WASP-20	< 0.10	< 0.04	< 0.69	< 0.81	< 0.23	< 4.45	0.41	< 13.7	< 0.05
WASP-21	< 0.04	< 0.03	< 0.72	< 0.66	< 0.33	7.62	0.38	< 15.6	< 0.07
WASP-22	< 0.05	< 0.05	< 0.65	0.82	< 0.23	< 6.35	0.30	42	0.12
WASP-23	< 0.01	0.02	< 0.28	0.90	< 0.19	< 4.93	0.18	< 14.2	< 0.04
WASP-24	Not Collected								
WASP-25	Not Collected								
WASP-26	< 0.03	< 0.03	< 0.67	< 0.62	< 0.30	< 5.83	0.34	< 17.0	< 0.06
WASP-27	Not Collected								
WASP-28	< 0.02	0.02	< 0.67	1.57	< 0.28	< 5.03	0.55	< 44.1	< 0.06

SAMPLE ID (pCi/g)	Co-60	Cs-137	Pb-210	Ra-226	Ac-227 (D)	Th-230	Th-232 (D)	Pu-238	Am-241	
Severn Trent St. Louis										
SAMPLE ID (pCi/g)	**K-40**	**Cs-137**	**Pb-212**	**Ra-226**	**Pb-214**	**Ra-228**	**Th-232 (D)**	**Bi-214**	**Am-241**	**Ac-228**
WASP-14	8.2	< 0.095	0.37	0.44	0.36		< 0.33	0.35	0.27	
WASP-15	8.4	< 0.057	0.30	0.40	0.35	< 0.44	0.40	0.32	0.33	0.40

West Asphalt Metals
5/03

Sample Id	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Selenium	Silver	Zinc	Mercury
Reg Level µg/ml	5,000	100,000	1,000	5,000		5,000	1,000	5,000		200
PQL µg/ml	500	500	25	50	125	250	500	50	250	10
WASP-01		*761*					*114*		*15*	
WASP-02		516					*168*		*51*	
WASP-03		*409*	*6*				*95*		*25*	
WASP-04		608					*158*		*31*	
WASP-05		911	*7*				*136*		*62*	
WASP-06		*397*					*149*		*52*	
WASP-07		594					*161*		*32*	
WASP-08		1,310							*37*	
WASP-09		*362*							*24*	
WASP-10		*329*					*6*		*22*	
WASP-11		*489*							*44*	
WASP-12		*426*	*10*						260	
WASP-13		600							*19*	
WASP-14		739							*14*	
WASP-15		*367*							*22*	
WASP-16		*310*							*13*	
WASP-17		513							*10*	
WASP-18		*685*					*91*		*31*	
WASP-19		*441*							*27*	
WASP-20		*175*					*4*		*70*	
WASP-21		3,960	*12*				*4*		295	
WASP-22		922					*5*		*88*	
WASP-23		*236*		*32*					*10*	
WASP-24	Not Collected									
WASP-25	Not Collected									
WASP-26		*345*					*8*		*108*	
WASP-27	Not Collected									
WASP-28		704							*14*	
	Blank Cells are non-detects									
	Italics indicate detects below the Practical Detection Limits (PQL)									
	PQL - Practical Quantitation Limit									

Sample Id	Pyridine	1,4-Dichlorobenzene	2-Methylphenol	4-Methylphenol	Hexachloroethane	Nitrobenzene	Hexachlorbutadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2,4-Dinitrotoluene	Hexachlorobenzene	Pentachlorophenol	2-Flurophenol	Phenol-d5	Nitrobenzene-d5	2-Fluorobiphenyl	Terphyl-d14	2,4,6-Tribromophenol
RCRA Limit	500	7,500	200,000	200,000	3,000	2,000	500	2,000	400,000	130	130	100,000	SMC	SMC	SMC	SMC	SMC	SMC
PQL	100	50	50	100	50	50	50	50	50	50	50	250						
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	%	%	%	%	%	%
WASP-01													61	67	73	74	86	84
WASP-02													46	48	68	72	81	70
WASP-03													52	59	80	85	86	70
WASP-04													46	47	68	71	77	68
WASP-05													49	54	68	71	81	70
WASP-06													49	54	69	72	63	63
WASP-07													57	62	74	77	72	77
WASP-08													53	58	72	73	64	66
WASP-09													49	51	73	76	73	68
WASP-10													38	26	68	65	60	70
WASP-11													39	27	62	63	59	62
WASP-12													34	23	53	54	55	53
WASP-13													35	23	53	56	57	56
WASP-14													48	55	68	71	81	69
WASP-15													62	61	80	82	71	76
WASP-16													54	62	79	82	87	72
WASP-17													53	55	73	76	68	71
WASP-18													55	57	65	66	68	66
WASP-19													47	49	67	67	63	63
WASP-20													41	28	73	73	64	72
WASP-21													40	27	67	69	61	68
WASP-22													38	25	58	61	59	63
WASP-23													38	26	60	63	58	61
WASP-24	Not Collected																	
WASP-25	Not Collected																	
WASP-26													32	23	47	51	53	54
WASP-27	Not Collected																	
WASP-28													41	30	63	63	63	66
Blank Cells are non-detects																		
Italics indicate detects below the Practical Detection Limits (PQL)																		

West Asphalt Volatiles
Sampled 5/03

Sample Id	Vinyl Chloride	1,1-Dichloroethene	2-Butanone	Chloroform	Carbon tetrachloride	1,2-Dichloroethane	Benzene	Trichloroethene	Tetrachloroethene	Chlorobenzene	Dibromofluoromethane	Toluene-d8	4-Bromofluorobenzene	1,2-Dichloroethane-d4
RCRA Limit	200	700	200,000	6,000	500	500	500	500	700	100,000	SMC	SMC	SMC	SMC
PQL	100	50	200	50	50	50	50	50	50	50.0				
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	%	%	%	%
WASP-01											116	108	97	110
WASP-02											113	109	94	106
WASP-03											115	103	93	106
WASP-04											124	109	96	113
WASP-05											123	107	99	109
WASP-06											123	107	99	108
WASP-07											117	105	101	113
WASP-08											118	109	96	114
WASP-09											117	99	97	120
WASP-10											117	107	98	114
WASP-11											121	109	102	117
WASP-12									*2.5*		116	108	101	112
WASP-13											117	107	100	113
WASP-14											113	101	100	109
WASP-15											114	103	99	109
WASP-16											111	103	100	106
WASP-17											109	101	99	105
WASP-18											114	100	99	110
WASP-19									*13*		114	105	98	107
WASP-20									*4*		115	107	99	111
WASP-21											120	107	100	115
WASP-22											119	105	100	115
WASP-23									*6*		112	103	97	102
WASP-24	Not Collected													
WASP-25	Not Collected													
WASP-26									*12*		117	106	99	116
WASP-27	Not Collected													
WASP-28											118	106	100	115
Blank Cells are non-detects														
Italics indicate detects below the Practical Detection Limits (PQL)														
LCS - Laboratory Control Sample														

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PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: C046
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title of Source Document: Reconciliation of Waste Containers List for Waste Stream SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jim Schoen, NA, NA, September 7, 2011, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
WS3, S16	Throughout	Historically, repackaged containers added to the IDC have not always been evaluated and formally added to the Attachment 8. However, a comparison is always performed to confirm the parent container is included in the waste stream. In addition, parent containers remained listed in the Attachment 8 even if they were inactivated after repackaging, making it difficult to reconcile the waste stream population. Therefore, an evaluation of the containers in the IDC database vs. those listed in the SRS-8 Attachment 8 was performed. It was determined that 39 containers have been repackaged, creating new containers, and one container in the database was not listed in the Attachment 8. Additionally, 2 containers in the Attachment 8 have been repackaged and consequently removed from the database; 25 containers in the Attachment 8 have been determined to be low-level waste and consequently removed from the database; and 2 containers have been removed due to non-compliance reports. Consequently, 40 containers have been added to the Attachment 8 and 29 have been removed, resulting in a final count of 318 containers (see attached spreadsheets "SRS-8 Containers to Add to Att 8 09-02-11.xlsx" and "SRS-8 Containers to Remove from Att 8 09-02-11.xlsx"). Therefore, the Attachment 8 container list for AK Report CCP-AK-SRS-8 currently consists of approximately 233 containers in waste stream SR-MD-HET, 11 containers in SR-MD-HOM-A, 3 containers in waste stream SR-MD-HOM-C, and 71 containers in waste stream SR-MD-SOIL.

CCP RECORDS ORIGINAL
DATE REC'D 9-26-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: C046
Source Document Data Limitations (if any): 1. None.	
Acceptable Knowlege Expert: Jason Montoya Print /Sign Date: 9/13/11	
[a] Obtain from Acceptable Knowledge Documentation Checklist [b] For microfilm or microfiche, identify box, tape, reel number and location.	

C046

Memorandum

To: CCP Records

From: James M. Schoen, CCP AKE

Date: September 7, 2011

RE: Reconciliation of Waste Containers List for Waste Stream SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL

Historically, repackaged containers added to the IDC have not always been evaluated and formally added to the Attachment 8. However, a comparison is always performed to confirm the parent container is included in the waste stream. In addition, parent containers remained listed in the Attachment 8 even if they were inactivated after repackaging, making it difficult to reconcile the waste stream population. Therefore, an evaluation of the containers in the IDC database vs. those listed in the SRS-8 Attachment 8 was performed. It was determined that 39 containers have been repackaged, creating new containers, and one container in the database was not listed in the Attachment 8. Additionally, 2 containers in the Attachment 8 have been repackaged and consequently removed from the database; 25 containers in the Attachment 8 have been determined to be low-level waste and consequently removed from the database; and 2 containers have been removed due to non-compliance reports. Consequently, 40 containers have been added to the Attachment 8 and 29 have been removed, resulting in a final count of 318 containers (see attached spreadsheets "SRS-8 Containers to Add to Att 8 09-02-11.xlsx" and "SRS-8 Containers to Remove from Att 8 09-02-11.xlsx"). Therefore, the Attachment 8 container list for AK Report CCP-AK-SRS-8 currently consists of approximately 233 containers in waste stream SR-MD-HET, 11 containers in SR-MD-HOM-A, 3 containers in waste stream SR-MD-HOM-C, and 71 containers in waste stream SR-MD-SOIL.

SRS-8 Containers to Add to Att 8 09-02-11.xlsx

CONTAINERID	AK_REPORT	WASTESTREAM	CONTAINER_TYPE	CLOSUREDATE
MD31033501	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033502	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033503	CCP-AK-SRS-8	SR-MD-HET	SWB	6/13/2011
MDL011343A	CCP-AK-SRS-8	SR-MD-HET	55G	10/30/2007
MDL011348A	CCP-AK-SRS-8	SR-MD-HET	55G	11/30/2007
MDL016260A	CCP-AK-SRS-8	SR-MD-HET	55G	10/16/2007
MDL016273A	CCP-AK-SRS-8	SR-MD-HET	55G	12/18/2007
MDL016284A	CCP-AK-SRS-8	SR-MD-HET	55G	10/4/2007
MDL021303A	CCP-AK-SRS-8	SR-MD-HET	55G	11/29/2007
MDL021311A	CCP-AK-SRS-8	SR-MD-HET	55G	11/29/2007
MDL021344A	CCP-AK-SRS-8	SR-MD-HET	55G	1/29/2008
MDL021361A	CCP-AK-SRS-8	SR-MD-HET	55G	1/25/2008
MDL021369A	CCP-AK-SRS-8	SR-MD-HET	55G	11/30/2007
MDL021373A	CCP-AK-SRS-8	SR-MD-HET	55G	9/20/2007
MDL021377A	CCP-AK-SRS-8	SR-MD-HET	55G	11/28/2007
MDL021377B	CCP-AK-SRS-8	SR-MD-HET	55G	11/28/2007
MDL022703A	CCP-AK-SRS-8	SR-MD-HET	55G	11/27/2007
MDL022706A	CCP-AK-SRS-8	SR-MD-HET	55G	12/19/2007
MDL022706B	CCP-AK-SRS-8	SR-MD-HET	55G	12/19/2007
MDL039635	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL0500775	CCP-AK-SRS-8	SR-MD-HET	55G	2/26/2004
MDL0502428	CCP-AK-SRS-8	SR-MD-HOM-C	55G	8/27/2003
MDL211326A	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008
MDL301793A	CCP-AK-SRS-8	SR-MD-HET	55G	5/22/2008
MDL314195A	CCP-AK-SRS-8	SR-MD-HET	55G	4/7/2008
MDL502413A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/3/2008
MDL504392A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/3/2008
MDL504472A	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/29/2010
MDL504472B	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/29/2010
MDL504586A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL504586B	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL506105A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/17/2008
MDL506112A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/4/2008
MDL506629A	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/30/2010
MDL506629B	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/30/2010
MDL506637A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/15/2008
MDL506666A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL506679A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/15/2008
SRTst01LAR	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008
SRTst02LAR	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008

SRS-8 Containers to Remove from Att 8 09-02-11.xlsx

Container ID	AK Report	Waste Stream	Waste Matrix Code	Cntnr Type	Closed Date	Reason for Exclusion
MDL0100773	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/7/1999	Low-Level Waste
MDL011036	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011038	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL011044	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011047	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011061	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	8/30/1999	Low-Level Waste
MDL011087	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011093	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011094	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011104	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011107	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011118	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011452	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL011462	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL0302733	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	6/19/2001	Low-Level Waste
MDL0310204	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	7/21/1999	Low-Level Waste
MDL0310335	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	8/1/2001	Repackaged
MDL0310336	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	7/18/2001	Repackaged
MDL0310925	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	12/11/2001	NCR-SRS0253090
MDL0310929	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	2/20/2002	Low-Level Waste
MDL0310938	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	11/21/2001	Low-Level Waste
MDL0310940	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	11/21/2001	Low-Level Waste
MDL0310991	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	3/7/2002	Low-Level Waste
MDL03544	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	5/23/2001	Low-Level Waste
MDL03551	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	6/8/2001	Low-Level Waste
MDL0505361	CCP-AK-SRS-8	SR-MD-HET	S5400	55-gallon drum	12/14/2003	NCR-SRS-1019-08
MDL0506135	CCP-AK-SRS-8	SR-MD-SOIL	S4200, Soil/Debris	55-gallon drum	1/31/2005	Low-Level Waste
MDL0506241	CCP-AK-SRS-8	SR-MD-SOIL	S4200, Soil/Debris	55-gallon drum	1/31/2005	Low-Level Waste
MDL038907	CCP-AK-SRS-8	SR-MD-HOM-B	S3121	Other	1/15/1998	Low-Level Waste

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: I011

Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-B, SR-MD-HOM-C, SR-MD-SOIL

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☑ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☐ D - Discrepancy Resolution
☑ Supportingl Information	☐ M - Miscellaneous or Memo
	☐ P - Published Document or Controlled Database
	☑ I - Internal Procedure or Note
	☐ U - Unpublished Data

Title of Source Document: EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code

Source Document Reference Information (author(s), document and revision number, date, publisher): Revision

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR6, WS10	6	CHEMICAL CONSTITUENTYS IN TRANSURANIC STORAGE AREA (TSA) WASTE EDF serial number: RWMC-803 INEL-95/022 Engineering Design file list chemical constituents that are contained in, or are suspected to be contained in, various waste types stored at the Transuranic Storage Area (TSA)of the Radioactive Waste Management Complex (RWMC). The information on chemical constituents comes from Waste Generator (WG) supplied data, process knowledge (PK)which has been gathered from the WGs, and results from headspace gas sampling and analysis (HS), as of December 31, 1994. The chemical constituents identified do not constitute yhe principal matrix of the waste , but are co-contaminates in radionuclide contaminated waste. Many of the chemical constituents are identified in 40 CFR 261 as being the basis for a RCRA characteristics or listed hazardous waste depending on concentration or usage. Waste generators have assigned RCRA hazardous waste numbers (HWN) to some of the waste types and an earlier EDF, RWMC -421, Revision 2, "EPA Hazardous Waste Codes Found in INELStored TRU waste contrnt Codes", June 2, 1993,indicates additional potential HWNs based on PK and HS. Potential HWNs from these two numbers are identified seperately in the EDF. Sources of information for the identified chemical constituents are given. It is intended that this EDF serve only as a listing of chemical constituents found in TSA waste Concentrations and sources generating the waste are reviewed for the assingment of RCRA HWNs based on the chemical constituents in the waste.
WS10, S8, S9	2	EXPLANITION OF HEADINGS FOR TABLE 1 1. Generators 2. IDC Item Description Code (formerly content code at INEL) 3. Trucon - TRUPACT I I Content Code 4 Waste Description- A brief description of principal waste stream. 5. Constituents Identified - Chemical constiuents in waste as identified by generator process knowledge , or sampling and analysis. 6. CAS- Chemical Abstract Number 7. HWN assigned by EDF- Potential EPA Hazardous Waste number assigned in EDF -RWMC-421, Revision 2 8. HWN assigned by generator- HWN assigned by original generator 9. Information Source WG 10. Information source PK- Process Knowledge information, generally, gathered by INEL from waste generators.

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-008)		Source Document Tracking Number: I011		
AK # [a]	**Source Doc. Page #[b]**	**AK Information Summary**		
		11. Information sources HS - Information from headspace gas sampling and analysis. 12. Reference- Refer to list of refrences on on page 2 of this EDF		
PR5, WS6, WS8, WS10	9,10,11,12,13	Gen (1) / IDC (2) / Waste Description (4) / Const ID (5) / HWN by Generator (8)		
		Mound 801 Nitrated (from IDC 812)		
		802 Dry Box gloves and -O-rings Nitrates(from IDC 812)	Lead	D008
		803 Metal, equip, pipes, valves	Mercury IDC 832 Nitrates from IDC 812	D009
		804 Plastic , Tygon, Mani boots, ETC.	None	
		805 Asbestos Filters	Acids if liquids present Asbestos Mercury From IDC 832 Nitrates	D002 D009 D001
		810 Glass Flasks, Sample Vials ETC	Mercury from IDC 832	D009
		811 Evparotor and dissolve sludge	Beryllium (not powder) Mercury from IDC 832 nitrates	 D009 D001
		812 Spent Ion Exchange Resin	Nitrates in IDCs, 801, 802, 803, & 824	
		813 Glass filters and fiberglass	Acids only if liq present Mercury from IDC 832 Nitrates	D002 D009 D001
		814 Graphite Waste	mercury from IDC 832	D009
		815 Miscellaneouis Waste	None	
		824 Equipmen Non Combustiablet	Barium Cadnium Chromium Lead Mercury Nitrates from IDC 812 Selenium Silver	D005 D006 D007 D008 D009 D010 D011
		825 Equip0ment Drums Noncombustible	None	
		826 Equipment Boxes Combustible	Mercury from IDC 832	D009
		827 Equipment Drums Combustiable	Lead Mercury	D008 D009
		832 Contaminated Mercury	Mercury In IDC	D009

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-008)		Source Document Tracking Number: I011
AK # [a]	**Source Doc. Page # [b]**	**AK Information Summary**
		803, 805, 810, 811, 813, 814, 826 834 High Level Acid — Acids only if liquids present — D002 Nitrates — D001 835 High level caustic — caustics only if liquids present — D002 836 High level sludge cement — 1,1,1-Trichloroethane — F001 !,1,2-trichloro-1,2,2-trifluorethane (freon) — F001 acetone — F003 Acids /caustic only if liquids present. — D002 Beryllium (not beryllium powder) Cadmium — D006 Chromium — D007 Lead — D008 Mercury — D009 Metyhanol — F003 Selenium — D010 Silver — D011 Trichloroethane (TCE) — F001 838 10 NCI/GM Non- Combustiible — None 842 Contaminated Soil — acids/caustics only if liquids present — D002 Cadmium — D006 Calcium (air reacted) Chromium — D007 Lead — D008 Mercury — D009 Selenium — D010 Silver — D011 847 LSA <100 NCI / GM Combustiable — None 848 LSA< 100 NCI / GM NON-Combustible — NONE

Source Document Data Limitations (if any):

1. All IDC codes are not currently applied to waste shipped to SRS and a comparison will have to be made. All IDC codes are not applicable to Mound waste sent to SRS need further evaluation.
2. Source document has pages missing.
3. The EDF was periodically revised as new information became available but we only have June 2, 1993 revision 2 and June,1995 revision 1.
4. This EDF file is applicable to TRU waste sent to INEL from Mound prior to INEL closure?

Acceptable Knowlege Expert:

Jason Bozka / [signature]

Print / Sign

Date: 10/19/10

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

I-011

I.011

EG&G Idaho, Inc
FORM EG&G-2631 (Rev. 12-88)

Project File Number

EDF Serial Number RWMC-421, Rev. 2

Functional File Number

Date June 2, 1993

ENGINEERING DESIGN FILE

Project/Task TRU Waste Technology
Subtask TRU Waste Inventory

EDF Page 1 of 37

Subject : EPA HAZARDOUS WASTE CODES FOUND IN INEL STORED TRU WASTE CONTENT CODES

Abstract:

This Engineering Design File identifies hazardous constituents, as defined by 40 CFR 261, that may be contained in transuranic (TRU) wastes stored at the Idaho National Engineering Laboratory (INEL) Radioactive Waste Management Complex (RWMC) Transuranic Storage Area (TSA). U.S. Environmental Protection Agency (EPA) waste codes are assigned for the hazardous constituents. The EPA waste codes were assigned based on available waste characterization information from generator process knowledge and analysis of drum headspace gases from a limited number of drums from 31 of the Item Description Codes (IDCs). Several additional unlisted volatile organic constituents that have been identified by analysis are included in this report for informational purposes.

It is intended that the EPA codes assigned to IDCs in this EDF be used as an initial source of information concerning hazardous constituents that may be found in the waste. All hazardous constituents listed may not be found in every container of an IDC, and additional hazardous constituents that are not listed may be found. The information in this EDF is the best available, but should not be considered complete, as the limited analysis to date has identified hazardous constituents not expected from generator process knowledge.

This EDF will periodically be revised as new information becomes available from on-going waste characterization activities.

Distribution (complete package): T. L. Clements, Jr., MS 2424; D. L. Eaton, MS 3550; S. B. French, MS 4202; K. P. Guay, ANL-W, MS 6000; D. M. Hartley, MS 4203; D. G. Hinckley, DOE-ID, MS 1118; D. L. Litteer, MS 3550; K. McNeel, MS 3552; D. G. Pound, MS 2424; Project EDF File Log, MS 2424; EDF Serial Number Log, MS 4201

Distribution (cover sheet only): J. R. Bishoff, MS 4202; J. T. Case, DOE-ID, MS 1118; D. L. French, MS 4201; J. D. McKinney, MS 3906; C. B. Ozaki, MS 3960

Author	Dept.	Reviewed	Date	Approved	Date
R. D. Falconer	3460	K. McNeel (ES&Q)	6/18/93	T. L. Clements, Jr.	6/30/93

Table 4. EPA Hazardous Constituent Waste Codes Grouped By Item Description Code (EDF RWMC-421, Revision 2)

IDC	Item Description Code Description	Generator Site	Hazardous Constituent Identification	Character	Waste Codes	Reference
805	ASBESTOS FILTERS	MOUND	nitrates (possible oxidizer)	Ignitable	D001	3
		MOUND	acids (only if liquids present)	Corrosive	D002	3
		MOUND	mercury (from content code 832)	EP Toxic	D009	7
810	GLASS, FLASKS, SAMPLE VIALS, ETC.	MOUND	mercury (from content code 832)	EP Toxic	D009	7
811	EVAPORATOR AND DISSOLVE SLUDGE	MOUND	nitrates (possible oxidizer)	Ignitable	D001	3
		MOUND	mercury (from content code 832)	EP Toxic	D009	7
		MOUND	beryllium	Toxic	P015	3
813	GLASS FILTERS AND FIBERGLAS	MOUND	nitrates (possible oxidizer)	Ignitable	D001	3
		MOUND	acids (only if liquids present)	Corrosive	D002	3
		MOUND	mercury (from content code 832)	EP Toxic	D009	7
814	GRAPHITE WASTE	MOUND	mercury (from content code 832)	EP Toxic	D009	7
815	MISCELLANEOUS WASTE	MOUND	unknown at this time	Unknown	Unkn	0
824	EQUIPMENT BOXES NONCOMBUSTIBLE	MOUND	barium	EP Toxic	D005	5
		MOUND	cadmium	EP Toxic	D006	5
		MOUND	chromium	EP Toxic	D007	5
		MOUND	lead	EP Toxic	D008	5
		MOUND	mercury	EP Toxic	D009	5
		MOUND	selenium	EP Toxic	D010	5
		MOUND	silver	EP Toxic	D011	5

Table 4. EPA Hazardous Constituent Waste Codes Grouped By Item Description Code (EDF RWMC-421, Revision 2)

IDC	Item Description Code Description	Generator Site	Hazardous Constituent Identification	Character	Waste Codes	Reference
481	METAL, LEACHED (NON SS)	RFP	1,1,1-trichloroethane (TCA)	Toxic	F001	1259
		RFP	1,1,2-trichloro 1,2,2-trifluoroethane (freon)	Toxic	F001	259
		RFP	carbon tetrachloride	Toxic	F001	259
		RFP	trichloroethylene (TCE)	Toxic	F001	1
		RFP	methylene chloride	Toxic	F002	1259
		RFP	toluene (less than ignitable)	Toxic	F005	1
490	FILTERS, CWS	RFP	nitrates (possible oxidizer)	Ignitable	D001	35
		RFP	acids/caustics (only if liquids present)	Corrosive	D002	35
		RFP	1,1,1-trichloroethane (TCA)	Toxic	F001	2345
		RFP	1,1,2-trichloro 1,2,2-trifluoroethane (freon)	Toxic	F001	2345
		RFP	carbon tetrachloride	Toxic	F001	2345
		RFP	methylene chloride	Toxic	F002	2345
700	ORGANIC AND SLUDGE IMMOBILIZATION SYST	RFP	chloroform (not U044 by usage)	TCLP	D022	5
		RFP	1,1,1-trichloroethane (TCA)	Toxic	F001	5
		RFP	1,1,2-trichloro 1,2,2-trifluoroethane (freon)	Toxic	F001	5
		RFP	carbon tetrachloride	Toxic	F001	5
		RFP	xylene (less than ignitable)		F003	5
801	RAGS, PAPER, WOOD, ETC.	MOUND	unknown at this time	Unknown	Unkn	3
802	DRY-BOX GLOVES AND O-RINGS	MOUND	lead	EP Toxic	D008	3
803	METAL, EQUIP, PIPES, VALVES, ETC.	MOUND	mercury (from content code 832)	EP Toxic	D009	7
804	PLASTIC, TYGON, MANI-BOOTS, ETC.	MOUND	no hazardous waste expected	None	None	3

Table 4. EPA Hazardous Constituent Waste Codes Grouped By Item Description Code (EDF RWMC-421, Revision 2)

IDC	Item Description Code Description	Generator Site	Hazardous Constituent Identification	Character	Waste Codes	Reference
836	HIGH LEVEL SLUDGE/CEMENT	MOUND	methyl alcohol (less than ignitable)		F003	5
		MOUND	beryllium	Toxic	P015	5
838	<10 NCI/GM NON-COMBUSTIBLE	MOUND	unknown at this time	Unknown	Unkn	3
842	CONTAMINATED SOIL	MOUND	acids/caustics (only if liquids present)	Corrosive	D002	3
		MOUND	calcium	Reactive	D003	5
		MOUND	cadmium	EP Toxic	D006	5
		MOUND	chromium	EP Toxic	D007	5
		MOUND	lead	EP Toxic	D008	5
		MOUND	mercury	EP Toxic	D009	5
		MOUND	selenium	EP Toxic	D010	5
		MOUND	silver	EP Toxic	D011	5
847	LSA <100 NCI/GM COMBUSTIBLE	MOUND	unknown at this time	Unknown	Unkn	3
848	LSA <100 NCI/GM NON-COMBUSTIBLE	MOUND	unknown at this time	Unknown	Unkn	3
900	LSA METAL, GLASS, PAPER, PLASTIC, ETC.	RFP	lead	EP Toxic	D008	25
		RFP	1,1,1-trichloroethane (TCA)	Toxic	F001	259
		RFP	1,1,2-trichloro-1,2,2-trifluoroethane (freon)	Toxic	F001	25
		RFP	carbon tetrachloride	Toxic	F001	25
		RFP	trichloroethylene (TCE)	Toxic	F001	259
		RFP	methylene chloride	Toxic	F002	25
		RFP	xylene (less than ignitable)		F003	2
950		RFP	lead	EP Toxic	D008	3

Table 4. EPA Hazardous Constituent Waste Codes Grouped By Item Description Code (EDF RWMC-421, Revision 2)

IDC	Item Description Code Description	Generator Site	Hazardous Constituent Identification	Character	Waste Codes	Reference
825	EQUIPMENT DRUMS NONCOMBUSTIBLE	MOUND	no hazardous waste expected	None	None	3
826	EQUIPMENT BOXES COMBUSTIBLE	MOUND	mercury (from content code 832)	EP Toxic	D009	7
827	EQUIPMENT DRUMS COMBUSTIBLE	MOUND	lead	EP Toxic	D008	5
		MOUND	mercury	EP Toxic	D009	5
832	CONTAMINATED MERCURY	MOUND	mercury (in IDCs 803,805,810,811,813,814,826)	EP Toxic	D009	3
834	HIGH LEVEL ACID	MOUND	nitrates (possible oxidizer)	Ignitable	D001	3
		MOUND	acids (only if liquids present)	Corrosive	D002	3
835	HIGH LEVEL CAUSTIC	MOUND	caustics (only if liquids present)	Corrosive	D002	3
836	HIGH LEVEL SLUDGE/CEMENT	MOUND	acids/caustics (only if liquids present)	Corrosive	D002	5
		MOUND	cadmium	EP Toxic	D006	5
		MOUND	chromium	EP Toxic	D007	5
		MOUND	lead	EP Toxic	D008	5
		MOUND	mercury	EP Toxic	D009	5
		MOUND	selenium	EP Toxic	D010	5
		MOUND	silver	EP Toxic	D011	5
		MOUND	1,1,1-trichloroethane (TCA)	Toxic	F001	5
		MOUND	1,1,2-trichloro 1,2,2-trifluoroethane (freon)	Toxic	F001	5
		MOUND	trichloroethylene (TCE)	Toxic	F001	5
		MOUND	acetone (less than ignitable)		F003	5

Cont-1011

Lockheed Idaho Technologies Company

FORM EGG-2631#

(Rev. 01-95)

Project File Number

EDF Serial Number RWMC-803
INEL-95/022

Functional File Number

ENGINEERING DESIGN FILE

Project/Task RWMC/SWEPP

Subtask TRU Waste Characterization

EDF Page 1 of 73

TITLE: CHEMICAL CONSTITUENTS IN TRANSURANIC STORAGE AREA (TSA) WASTE

SUMMARY:

This Engineering Design File lists chemical constituents that are contained in, or are suspected to be contained in, various waste types stored at the Transuranic Storage Area (TSA) of the Radioactive Waste Management Complex (RWMC). The information on chemical constituents comes from Waste Generator (WG) supplied data, process knowledge (PK) which has been gathered from WGs, and results of headspace gas sampling and analysis (HS), as of December 31, 1994. The chemical constituents identified do not constitute the principle matrix of the waste, but are co-contaminates in radionuclide contaminated waste. Many of the chemical constituents are identified in 40 CFR 261 as being the basis for a RCRA characteristic or listed hazardous waste, depending on concentration or usage. Waste generators have assigned RCRA Hazardous Waste Numbers (HWN) to some of the waste types and an earlier EDF, RWMC-421, Revision 2, "EPA Hazardous Waste Codes Found in INEL Stored TRU Waste Content Codes", June 2, 1993, indicates additional potential HWNs based on PK and HS. Potential HWNs from these two sources are identified separately in this EDF. Additionally, sources of information for the identified chemical constituents are given.

It is intended that this EDF serve only as a listing of chemical constituents found in TSA waste. References given should be consulted for information concerning sources generating the waste, concentrations, and assignment of RCRA HWNs based on the chemical constituents in the waste. This EDF will be updated periodically as more information becomes available concerning chemical constituents in the waste.

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Author(s)	Org.	Technical Review	Date	RWMC Approval	Date
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		TRU Program Review	Date 6/7/95	TRU Program Approval	Date 6/9/95
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6

Purpose

The purpose of this Engineering Design File (EDF) is to consolidate available chemical constituent data for transuranic-contaminated wastes stored at the Idaho National Engineering Laboratory (INEL) - Radioactive Waste Management Complex (RWMC) Transuranic Storage Area (TSA) and to list chemical constituents that may be present in each Item Description Code (IDC). The source of information concerning the TSA stored waste IDCs will be the Transuranic Waste Management Information System (TWMIS). Waste characterization information consists of waste generator supplied information, process knowledge gathered from waste generators, and sampling and analysis of headspace gases contained in more than 700 drums. The sources of this information are as follows.

Information Sources (References)

0. No reference available.

1. Drum Headspace Gas Analysis at INEL conducted for the WIPP Experimental Test Program or the Waste Characterization Program. This information can be found in the WIPP Experimental Test Program Office, TRU Waste Programs Unit, EG&G Idaho, Inc.

2. S. A. Anderson letter, SAA-004-01, RCRA Part B Permit Information on Rocky Flats Waste, EG&G Rocky Flats, May 1, 1991

3. D. E. Kudera, Hazardous Waste Constituents of INEL Contact-Handled Stored Transuranic Waste, EG&G Idaho, Inc., EDF-RWMC-369, May 1989

4. J. K. Paynter (Rocky Flats Plant) letter to Distribution, WCP02-31, Hazardous Constituents of Rocky Flats Transuranic Waste, May 23, 1989

5. U.S. Department of Energy document, Waste Isolation Pilot Plant, No-Migration Variance Petition, DOE/WIPP89-003, March 1990

6. C. K. Gaddis letter, Transuranic Waste Characterization Questionnaire, Pittsburgh Naval Reactors Office, May 17, 1993

7. T. L. Clements, Jr., Content Code Assessments for the INEL Contact-Handled Stored Transuranic Wastes, WM-F1-82-021, October 1982

8. T. L. Clements, Jr., Idaho National Engineering Laboratory Stored Transuranic Waste Characterization: Nonradiological Hazards Identification, WM-F1-81-015, September 1981

9. T. L. Clements, Jr. and D. E. Kudera, TRU Waste Sampling Program: Volume I - Waste Characterization, EGG-WM-6503, September 1985

10. W. M. Heilesen, Argonne National Laboratory-East Remote-Handled Waste, EG&G Idaho EDF-RWMC-759, August 1994

11. WASTREN, Inc., Idaho National Engineering Laboratory Code Assessment of the Rocky Flats Transuranic Waste, November 2, 1994

12. Chris Kent, Waste Stream Questionnaire - 1993, IN-W112, HEPA Filters, Westinghouse Idaho Nuclear Company, Inc., November 3, 1993

The reference column of Table 1 indicates which of these references identifies each of the chemical constituents listed.

Discussion of References

References 2, 4, 6, 10, and 12 consist of documents generated and approved by the various waste generators. HWNs and waste constituents given in these references are considered to be correctly assigned and are listed in Table 1 under the columns labeled "HWN ASSIGNED BY GEN" and "INFORMATION SOURCE WG", respectively.

References 3, 5, 7, 8, and 11 consist of documents generated by reference to waste generation processes and waste generator documents, but that have not been formally endorsed by the waste generator. Waste constituents given in these references are listed in Table 1 under the column labeled "INFORMATION SOURCE PK". Potential HWNs and HWNs that may be later confirmed by the waste generators can be identified in these documents.

References 1 and 9 refer to sampling and analysis of headspace gases. Chemical constituents identified in these programs are identified in the column labeled "INFORMATION SOURCE HS". Sampling and analysis of headspace gases continues and this EDF will be updated periodically as additional data becomes available.

The column labeled "HWN ASSIGNED BY EDF" contains RCRA Hazardous waste numbers that were contained in EDF-RWMC-421, Revision 2, "EPA HAZARDOUS WASTE CODES FOUND IN INEL STORED TRU WASTE CONTENT CODES", June 2, 1993. These codes were derived from waste generator data, process knowledge, and assigning potential codes to constituents identified in headspace gas sampling and analysis studies, which indicate the presence of volatile organic compounds but do not necessarily yield information on either the source of the constituent or its concentration in the waste. Potential HWNs assigned solely through process knowledge or headspace gas sampling have not been verified by the waste generators, and may require additional characterization to determine their final applicability.

Explanation of Headings for Table 1

1. Generator ANL-E — Argonne National Laboratory-East
   Generator Battelle — Battelle Columbus
   Generator Bendix — Grand Junction Operation Office (Bendix was M&O Contractor)
   Generator Bettis — Bettis Atomic Power Laboratory
   Generator INEL — Idaho National Engineering Laboratory
   Generator Mound — Mound Laboratory
   Generator RFP — Rocky Flats Plant

2. IDC - Item Description Code (formerly content code at INEL).

3. TRUCON - TRUPACT-II Content Codes

4. Waste Description - A brief description of principal waste matrix

5. Constituent Identified - Chemical constituent in waste, as identified by generator, process knowledge, or sampling and analysis

6. CAS - Chemical Abstract Service identification number for chemical constituent

7. HWN Assigned by EDF - Potential EPA Hazardous Waste Number assigned in EDF-RWMC-421, Revision 2

8. HWN Assigned by GEN - HWN assigned by original waste generator

9. Information Source WG - Information issued by original waste generator

10. Information Source PK - Process knowledge information, generally gathered by INEL from waste generators

11. Information Source HS - Information from headspace gas sampling and analysis

12. Reference - Refer to list of references on Page 2 of this EDF

Table 1. Chemical Constituents Identified In TSA Waste as of December 31, 1994
01/25/95

GENERATOR (1)	IDC (2)	TRUCON (3)	WASTE DESCRIPTION (4)	CONSTITUENT IDENTIFIED (5)	CAS (6)	HWN ASSIGNED BY EDF (7)	HWN ASSIGNED BY GEN (8)	INFORMATION SOURCE WG (9)	INFORMATION SOURCE PK (10)	INFORMATION SOURCE HS (11)	REFERENCE (12)
INEL	158	-	NWCF FILTERS	thallic oxide: thallium	1314-32-5	-	P113	*	-	-	12
	158	-		thallium carbonate: thallium	6533-73-9	-	U215	*	-	-	12
	158	-		thallium nitrate; thallium	10102-45-1	-	U217	*	-	-	12
	158	-		thioacetamide	62-55-5	-	U218	*	-	-	12
	158	-		thiosemicarbazide	79-19-6	-	P116	*	-	-	12
	158	-		thiourea	62-56-6	-	U219	*	-	-	12
	158	-		toluene	108-88-3	-	U220	*	-	-	12
	158	-		toluene	108-88-3	-	F005	*	-	-	12
	158	-		trans-1,3-dichloropropene	542-75-6	-	U084	*	-	-	12
	158	-		trichloroethene (TCE)	79-01-6	-	F001	*	-	-	12
	158	-		trichloroethene (TCE)	79-01-6	-	D040	*	-	-	12
	158	-		trichloroethene (TCE)	79-01-6	-	U228	*	-	-	12
	158	-		trichloroethene (TCE)	79-01-6	-	F002	*	-	-	12
	158	-		unknown	-	-	F001	*	-	-	12
	158	-		unknown	-	-	F002	*	-	-	12
	158	-		vanadium pentoxide	1314-62-1	-	P120	*	-	-	12
	158	-		xylene	1330-20-7	-	U239	*	-	-	12
	160	-	NFEF ANALYTICAL CHEMISTRY AND METALLOGRAPHIC C	none	-	-	-	-	-	-	0
	161	-	ALC GLASSWARE, PAPER, POLY, AND MISCELLANEOUS	none	-	-	-	-	-	-	0
	162	-	ANL-W FMF EFF ZR-U PU FUEL CASTING ALLOYS RESIDUES	none	-	-	-	-	-	-	0
	163	-	ANL-W ACL COLD-LINE ABSORBED LIQUID,MISC.,HARDWARE,POLYETHY L	none	-	-	-	-	-	-	0
HOUND	801	-	RAGS, PAPER, WOOD, ETC.	nitrates (from IDC 812)	-	-	-	-	*	-	7

Table 1. Chemical Constituents Identified in ISA Waste as of December 31, 1994
01/25/95

GENERATOR (1)	IDC (2)	TRUCON (3)	WASTE DESCRIPTION (4)	CONSTITUENT IDENTIFIED (5)	CAS (6)	MWN ASSIGNED BY EDF (7)	MWN ASSIGNED BY GEN (8)	INFORMATION SOURCE WG (9)	INFORMATION SOURCE PK (10)	INFORMATION SOURCE HS (11)	REFERENCE (12)
HOUND	802	-	DRY-BOX GLOVES AND O-RINGS	lead	7439-92-1	D008	-	-	*	-	7
	802	-		nitrates (from IDC 812)	-	-	-	-	*	-	7
	803	-	METAL, EQUIP, PIPES, VALVES, ETC.	mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	803	-		nitrates (from IDC 812)	-	-	-	-	*	-	7
	804	-	PLASTIC, TYGON, MANI-BOOTS, ETC.	none	-	-	-	-	-	-	0
	805	-	ASBESTOS FILTERS	acids (only if liquids present)	-	D002	-	-	*	-	7
	805	-		asbestos	1332-21-4	-	-	-	*	-	7
	805	-		mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	805	-		nitrates	-	D001	-	-	*	-	7
	810	-	GLASS, FLASKS, SAMPLE VIALS, ETC.	mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	811	-	EVAPORATOR AND DISSOLVE SLUDGE	beryllium (not beryllium powder)	7440-41-7	-	-	-	*	-	7
	811	-		mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	811	-		nitrates	-	D001	-	-	*	-	3
	812	-	SPENT ION EXCHANGE RESIN	nitrates (in IDCs 801, 802, 803, and 824)	-	-	-	-	*	-	7
	813	-	GLASS FILTERS AND FIBERGLAS	acids (only if liquids present)	-	D002	-	-	*	-	7
	813	-		mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7

GENERATOR (1)	IDC (2)	TRUCON (3)	WASTE DESCRIPTION (4)	CONSTITUENT IDENTIFIED (5)	CAS (6)	ASSIGNED BY EDF (7)	ASSIGNED BY GEN (8)	INFORMATION SOURCE WG (9)	INFORMATION SOURCE PK (10)	INFORMATION SOURCE HS (11)	REFERENCE (12)
MOUND	813	-	GLASS FILTERS AND FIBERGLAS	nitrates	-	D001	-	-	*	-	3
	814	-	GRAPHITE WASTE	mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	815	-	MISCELLANEOUS WASTE	none	-	-	-	-	-	-	0
	824	-	EQUIPMENT BOXES NONCOMBUSTIBLE	barium	7440-39-3	D005	-	-	*	-	5
	824	-		cadmium	7440-43-9	D006	-	-	*	-	5
	824	-		chromium	7440-47-3	D007	-	-	*	-	5
	824	-		lead	7439-92-1	D008	-	-	*	-	5
	824	-		mercury	7439-97-6	D009	-	-	*	-	5
	824	-		nitrates (from IDC 812)	-	-	-	-	*	-	7
	824	-		selenium	7782-49-2	D010	-	-	*	-	5
	824	-		silver	7440-22-4	D011	-	-	*	-	5
	825	-	EQUIPMENT DRUMS NONCOMBUSTIBLE	none	-	-	-	-	-	-	0
	826	-	EQUIPMENT BOXES COMBUSTIBLE	mercury (from IDC 832)	7439-97-6	D009	-	-	*	-	7
	827	-	EQUIPMENT DRUMS COMBUSTIBLE	lead	7439-92-1	D008	-	-	*	-	5
	827	-		mercury	7439-97-6	D009	-	-	*	-	5
	832	-	CONTAMINATED MERCURY	mercury (in IDCs 803,805,810,811,813,814,826)	7439-97-6	D009	-	-	*	-	7
	834	-	HIGH LEVEL ACID	acids (only if liquids present)	-	D002	-	-	*	-	7
	834	-		nitrates	-	D001	-	-	*	-	3

Table 1. Chemical Constituents Identified in ISA Waste as of December 31, 1994
01/25/95

GENERATOR (1)	IDC (2)	TRUCON (3)	WASTE DESCRIPTION (4)	CONSTITUENT IDENTIFIED (5)	CAS (6)	IWH ASSIGNED BY EDF (7)	IWH ASSIGNED BY GEN (8)	INFORMATION SOURCE WG (9)	INFORMATION SOURCE PK (10)	INFORMATION SOURCE HS (11)	REFERENCE (12)
HOUND	835	-	HIGH LEVEL CAUSTIC	caustics (only if liquids present)	-	D002	-	-	*	-	7
	836	-	HIGH LEVEL SLUDGE/CEMENT	1,1,1-trichloroethane (TCA)	71-55-6	F001	-	-	*	-	5
	836	-		1,1,2-trichloro-1,2,2-trifluor ethane (freon)	76-13-1	F001	-	-	*	-	5
	836	-		acetone	67-64-1	F003	-	-	*	-	8
	836	-		acids/caustics (only if liquids present)	-	D002	-	-	*	-	8
	836	-		beryllium (not beryllium powder)	7440-41-7	-	-	-	*	-	8
	836	-		cadmium	7440-43-9	D006	-	-	*	-	5
	836	-		chromium	7440-47-3	D007	-	-	*	-	8
	836	-		lead	7439-92-1	D008	-	-	*	-	8
	836	-		mercury	7439-97-6	D009	-	-	*	-	8
	836	-		methanol	67-56-1	F003	-	-	*	-	8
	836	-		selenium	7782-49-2	D010	-	-	*	-	5
	836	-		silver	7440-22-4	D011	-	-	*	-	5
	836	-		trichloroethene (TCE)	79-01-6	F001	-	-	*	-	8
	838	-	<10 NCI/GH NON-COMBUSTIBLE	none	-	-	-	-	-	-	0
	842	-	CONTAMINATED SOIL	acids/caustics (only if liquids present)	-	D002	-	-	*	-	7
	842	-		cadmium	7440-43-9	D006	-	-	*	-	5
	842	-		calcium (air reacted)	7440-70-2	-	-	-	*	-	5
	842	-		chromium	7440-47-3	D007	-	-	*	-	5
	842	-		lead	7439-92-1	D008	-	-	*	-	5
	842	-		mercury	7439-97-6	D009	-	-	*	-	5
	842	-		selenium	7782-49-2	D010	-	-	*	-	5
	842	-		silver	7440-22-4	D011	-	-	*	-	5
	847	-	LSA <100 NCI/GH COMBUSTIBLE	none	-	-	-	-	-	-	0

12

Table 1. Chemical Constituents Identified in TSA Waste as of December 31, 1994
01/25/95

GENERATOR (1)	IOC (2)	TRUCON (3)	WASTE DESCRIPTION (4)	CONSTITUENT IDENTIFIED (5)	CAS (6)	IWN ASSIGNED BY EDF (7)	IWN ASSIGNED BY GEN (8)	INFORMATION SOURCE WG (9)	INFORMATION SOURCE PK (10)	INFORMATION SOURCE MS (11)	REFERENCE (12)
ROUND	848	-	LSA <100 NCI/GM NON-COMBUSTIBLE	none	-	-	-	-	-	-	0
RFP	000	-	NOT RECORDED	none	-	-	-	-	-	-	0
	001	211	FIRST STAGE SLUDGE	1,1,1-trichloroethane (TCA)	71-55-6	F001	F001	*	*	*	1,2,9,11
	001	211		1,1,2,2-tetrachloroethane	79-34-5	-	-	*	-	-	2
	001	211		1,1,2-trichloro-1,2,2-trifluor oethane (freon)	76-13-1	F001	F001	*	-	*	1,2
	001	211		1,1-dichloroethane	75-34-3	-	-	-	-	*	1
	001	211		1,1-dichloroethene	75-35-4	-	-	-	-	*	1
	001	211		1,2,4-trimethylbenzene	95-63-6	-	-	-	-	*	1
	001	211		1,2-dichloroethane	107-06-2	D028	-	-	-	*	1
	001	211		1,2-dichloroethene	540-59-0	-	-	*	-	-	2
	001	211		1,3,5-trimethylbenzene	108-67-8	-	-	-	-	*	1
	001	211		1,4-dioxane	123-91-1	-	-	-	-	*	1
	001	211		1-butanol	71-36-3	F003	F003	*	-	-	2
	001	211		1-decene	872-05-9	-	-	-	-	*	1
	001	211		1-hexene	592-41-6	-	-	-	-	*	1
	001	211		1-methylethylbenzene	98-82-8	-	-	-	-	*	1
	001	211		2,3-dimethylhexane	584-94-1	-	-	-	-	*	1
	001	211		2,4-dimethylheptane	-	-	-	-	-	*	1
	001	211		2-methyl-1-propene	115-11-7	-	-	-	-	*	1
	001	211		2-methylbutane	78-78-4	-	-	-	-	*	1
	001	211		2-methylheptane	-	-	-	-	-	*	1
	001	211		2-methylpropane	75-28-5	-	-	-	-	*	1
	001	211		3,5-dimethylheptane	926-82-9	-	-	-	-	*	1
	001	211		3-methyl-2-pentene	-	-	-	-	-	*	1
	001	211		3-methylhexane	589-34-4	-	-	-	-	*	1
	001	211		3-methyloctane	-	-	-	-	-	*	1
	001	211		acids/caustics (only if liquids present)	-	D002	-	-	*	-	5
	001	211		barium	7440-39-3	D005	-	-	*	-	11
	001	211		benzene	71-43-2	-	-	-	*	*	1,11

Project/Task RWMC/SWEPP

Subtask TRU Waste Characterization

TITLE: CHEMICAL CONSTITUENTS IN TRANSURANIC STORAGE AREA (TSA) WASTE

SUMMARY:

This Engineering Design File lists chemical constituents that are contained in, or are suspected to be contained in, various waste types stored at the Transuranic Storage Area (TSA) of the Radioactive Waste Management Complex (RWMC). The information on chemical constituents comes from Waste Generator (WG) supplied data, process knowledge (PK) which has been gathered from WGs, and results of headspace gas sampling and analysis (HS), as of December 31, 1994. The chemical constituents identified do not constitute the principle matrix of the waste, but are co-contaminates in radionuclide contaminated waste. Many of the chemical constituents are identified in 40 CFR 261 as being the basis for a RCRA characteristic or listed hazardous waste, depending on concentration or usage. Waste generators have assigned RCRA Hazardous Waste Numbers (HWN) to some of the waste types and an earlier EDF, RWMC-421, Revision 2, "EPA Hazardous Waste Codes Found in INEL Stored TRU Waste Content Codes", June 2, 1993, indicates additional potential HWNs based on PK and HS. Potential HWNs from these two sources are identified separately in this EDF. Additionally, sources of information for the identified chemical constituents are given.

It is intended that this EDF serve only as a listing of chemical constituents found in TSA waste. References given should be consulted for information concerning sources generating the waste, concentrations, and assignment of RCRA HWNs based on the chemical constituents in the waste. This EDF will be updated periodically as more information becomes available concerning chemical constituents in the waste.

Distribution (complete package): A. L. Ayers, MS 2424; P. S. Beutler, MS 4201; T. L. Clements, Jr., MS 2424; M. J. Connolly, MS 2424; C. C. Dwight, ANL-W, MS 6000 774; O. L. Eaton, MS 3550; C. R. Edinborough, MS 2424; D. L. Forsberg, MS 4201; K. L. Gilbert, MS 3552; S. M. Hailey, MS 2424; O. M. Hartley, MS 4203; J. O. Hops, MS 3591; F. P. Hughes, MS 4201; O. P. Hutchison, MS 3552; J. M. Jackson, MS 3552; K. E. Kooda, MS 4201; R. E. Korenke, MS 4202; O. E. Kudera, MS 2420; J. C. Kvamme, MS 4201; K. McNeel, MS 8102; R. A. Montgomery, MS 3595; O. G. Pound, MS 2424; A. L. Rubert, MS 3755; G. K. Tedford, MS 4203; J. C. Tozer, MS 3625; T. E. Venneman, MS 3595; J. O. Wells, MS 2416; J. L. Wells, DOE-ID, MS 1118; Project EDF File, MS 2424; EDF Serial Number Log, MS 4201; INEL EDF Serial Number Log

Distribution (summary page only): J. R. Bishoff, MS 4202; J. T. Case, DOE-ID, MS 1118; J. O. McKinney, MS 3906; J. A. Van Vliet, MS 3940

Author(s)	Org.	Technical Review	Date	RWMC Approval	Date
R. O. Falconer	3290	D. L. Forsberg	6/12/95	F. P. Hughes	6/12/95
TRU Waste Department		J. O. Hops			
		K. E. Kooda			

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: C003
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-B, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supporting Information	Category: ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title of Source Document: Interview with Bill Franz	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jerri McTaggart, Revision, 3/4/03, Jerri McTaggart	

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS7, S7	1	Bill Franz worked as a TRU waste team leader and his job was to find paths forward to dispose of waste. The reason he felt that waste was still at Mound, was because in 1987 Idaho closed it borders to any waste shipments. Bill Franz said, "Waste packaged in the 80's was for the old WIPP criteria and would not meet the current criteria". Bill Franz also stated "There was not a big effort to segregate LLW and TRU waste streams". Once the Rail Car exemption was approved there was a push to get legacy waste out of Mound to SRS. The first railcar shipments were legacy waste. These buildings had defense related processes that generated TRU waste: SM, PP (38), SW/R, T, and WD.
PR7, WS9, S16	1	Packaging: Boxes with liquid were opened and absorbed and vacuum pump oil was retrieved and disposed. Drums that contained mercury were mitigated and mercury was amalgamated. Building 22 had some Type A boxes that were thought to be LLW but once they were assayed they became TRU boxes. SW/R building had tritium drums that were characterized as TRU and were unvented. TRU waste was generated from A-line and SW-22 and R-140 TRU glove boxes were packaged into SWB, s Building 38 used a spray fixative (Bartlett) and SW/R may have used foam for packaging. Boxes were thought to have up to 4 layers of confinement and drums thought to have three layers of confinement. There was a venting campaign for drums with 90-mil rigid liners and some boxes, which had fiberboard liners and/or bags to prepare them for shipment by rail. RTV was used to seal drum vents.
WS8, WS12	1,2	Chemicals: Pyrophorics were used in calibration sources and other sources but the ones that were oxides were segregated from the waste streams. Hydrazine was not in any of the waste streams. Asbestos filters were in the waste and was friable. PCB's from a pellet press in SM building were drained, but it is unclear if the press was flushed for internal contamination. Metals: Mound had a letter from EPA that said if lead was a metallic coating it was hazardous but the Ohio EPA considered lead gloves as non-hazardous. Light bulbs were disposed of as LLW and motors were drained of oil but it is not known if this was done for the entire Mound site. There is a good possibility that there are circuit boards in the waste stream because there is no information they were ever segregated.

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-008)	Source Document Tracking Number: C003

Source Document Data Limitations (if any):

1. This interview was done from memory of time Bill Franz worked at the Mound plant. He did not use log books or notes to reference interview information.

Acceptable Knowlege Expert:

Jason Montoya _____ Date: 10/19/10

Print Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – Record of Communication

Waste Stream Numbers:		Corresponding Source Document #: C003
Interviewer Jerri McTaggart, Ben Gutierrez, Dick Blauvelt	Date:03/04/03 Revised 06/29/04 B.S.G.	Time: 11:00 am
Interviewees: Bill Franz	Group/Organization: Mound Job Title: TRU waste Team Leader,	Phone: (937) 865-4058 Email: bfranz@lanl.gov
Subject: Interview to obtain Information on the Mound TRU waste.		

Bill Franz worked as a TRU waste team leader and his job was to find paths forward to dispose of waste. The reason he felt that waste was still at Mound was because in 1987 Idaho closed it borders to any waste shipments Bill Franz said, "Waste packaged in the 80's was for the old WIPP criteria and would not meet the current criteria". Bill Franz also stated "There was not a big effort to segregate LLW and TRU waste streams". Once the Rail Car exemption was approved there was a push to get legacy waste out of Mound to SRSThe first railcar shipments were legacy waste. These buildings had defense related processes that generated TRU waste: SM, PP (38), SW/R, T, and WD.

Soils:
Spills were managed by spill plans and some of the larger projects that involved significant quantities of soils from spills were the Pipe Leak of 69 and the Canal Project in the 90's. It is believed that the Canal Project could be traced back to the Pipe Leak of 69, which took place during a three-day rainstorm spreading unknown contamination into soils at the time over the Mound facility and eventually into the canal. There were four boxes of legacy soil with 160 to 540 nCi/g sent to SRS from the line break outside the WD building. It was also indicated that additional contaminated soil was still around WD building. Waste Management changed as the scope of work changed. Co-60 and Kr were part of the processes for defense related waste.

Packaging:
Boxes with liquid were opened and absorbed and vacuum pump oil was retrieved and disposed off. Drums that contained mercury were mitigated and mercury was amalgamated. Building 22 had some Type A boxes that were thought to be LLW but once they were assayed they became TRU boxes. SW/R building had tritium drums that were characterized as TRU and were unvented. TRU waste was generated from A-line and SW-22 and R-140 TRU glove boxes were packaged into SWB, s Building 38 used a spray fixative (Bartlett) and SW/R may have used foam for packaging. Boxes were thought to have up to 4 layers of confinement and drums thought to have three layers of confinement. There was a venting campaign for drums with rigid 90 mill liners and some boxes, which had fiberboard liners and/or bags to prepare them for shipment by rail. RTV was used to seal drum vents.

Metals:
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Chemicals:
Pyrophorics were used in calibration sources and other sources but the ones that were oxides were segregated from the waste streams. Hydrazine was not in any of the waste streams. Asbestos filters were part of the waste streams and were friable. PCB's from a pellet press in SM

building were drained but it is unclear if the press was flushed for internal contamination.

Suggested people to contact:

Ron Goss
Carol Anderson
Jennifer Biedscheid
Betty Humphry

Data Limitations: -Bill only worked at Mound for a few years.

Acceptable Knowledge Expert: David Guerin Date: 5/25/05

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-MD-HOM-A

Site(s): Mound Plant	**Source Document Tracking Number:** C003
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supplemental Information	**Category:** ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data

Title of Source Document: Interview with Bill Franz

Source Document Reference Information (author(s), document and revision number, date, publisher): Jerri McTaggart, Revision, 3/4/03, Jerri McTaggart

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Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant	Source Document Tracking Number: C003

Source Document Data Limitations (if any):

1. This interview was done from memory of time Bill Franz worked at the Mound plant. He did not use log books or notes to reference interview information.

Acceptable Knowlege Expert:

David Guerin David Guerin Date: 5/25/05

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 2 – Record of Communication

Waste Stream Numbers:	Corresponding Source Document #: C003	
Interviewer Jerri McTaggart, Ben Gutierrez, Dick Blauvelt	Date:03/04/03 Revised 06/29/04 B.S.G.	Time: 11:00 am
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building were drained but it is unclear if the press was flushed for internal contamination.

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Carol Anderson
Jennifer Biedscheid
Betty Humphry

Data Limitations: -Bill only worked at Mound for a few years.

Acceptable Knowledge Expert: David Guerin Date: 5/25/05

Attachment 2 - CCP Records Transmittal/Receiving Form

Page 1 of 1

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220
Telephone Number: 505-234-7523, 505-234-7233, 505-234-7617
Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Records Custodian	From:	Trey Greenwood
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Mound Site Waste at SRS
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	Technical Specialists, Inc.
		Telephone Number:	505-302-6000
Telephone Number:	505-234-7523	Date Sent:	6/7/05

Document Number	Title/Description	Record Date	Total Pages
C003	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-8	5/25/2005	2
AK Notes NIA	Interview with Bill Franz	3/4/2003	2
	N/A		

Comments

None

CCP Records Center
Acceptance/Rejection Signature and Date

Records Accepted ☒ Susan Keathley (Signature) | S. Keathley (Printed Name) | 6/9/05 (Date)

Records Rejected ☐ _____ (Signature) | _____ (Printed Name) | _____ (Date)

Reason for Rejection:

Re-submittal: _____ (Signature) | _____ (Printed Name) | _____ (Date)

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-MD-SOIL

Site(s): Mound Plant	**Source Document Tracking Number:** M044
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supplemental Information	**Category:** ☐ C - Correspondence ☐ D - Discrepancy Resolution ☑ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data

Title of Source Document: E-mail to DOE_OH.MOUND.ChurchRonald, Re: Process Knowledge for Old SD Project

Source Document Reference Information (author(s), document and revision number, date, publisher): David Adkins, 11/20/1997

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR7, WS2, WS3, WS4, WS11, S16	1	The buried drums at the Old SD projects consists of information from the drums recovered to date along with information from a previous employee of Mound when placed in the ground. The project has recoverd 16 drums, mainly 55 gallon containing gravel, concrete, and miscellaneous debris. Contamination is similar to the soils coming from the project. One drum contains a heavy grease like material which was below radiological detection limits and samples indicated no hazardous consituents. Two of the drums contained soil/sludge which were sampled, one with 1200 nCi/g Pu-238 and the other 529 nCi/g Pu-238. The RCT employee was present when the drums were emplaced and his information supports what they found to date. There was a break in an underground line behind Building 48 in the late 60's. A good amount of the clean-up material such as concrete and miscellaneous debris was placed in 55 gallon drums and stage behind the WD Building. A large amount of wastewater was processed from the break. This processed wastewater sludge was killing a lot of bugs. Several drums of this sludge and or higher level soils was packaged in 30 gallon drums and overpacked in 55 gallon drums, and placed in a staging area with other drums of the break clean-up. A hole (20-30' L x 15-20' W) was dug next to the drying beds and the undigested sludge was placed in the hole. Clean-up debris and [broken] pipe was also placed in the hole. It was partially filled and remained open for several years. During this time, the overpacked drums remained at the SD area. In the early 70's (71) the remainder of the hole was filled in and the overpacks were gone. It was believed these drums were placed in the remaining hole and backfilled. It was expected that no more then 25 drums would be located in the immediate vicinity of the existing hole.

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant	Source Document Tracking Number: M044

Source Document Data Limitations (if any):

1. No final packaging is described.

Acceptable Knowlege Expert:

Jerri McTaggart, Jerri McTaggart — Date: 5/25/05

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

MOUND 369

ORIGINAL

M044

Part A

From:	David Adkins
To:	DOE_OH.MOUND.Church Ronald
Date:	11/20/97 4:11pm
Subject:	Process Knowledge for Old SD Project

The process knowledge available related to the buried drums at the Old SD project consists of that information available from the drums recovered to date along with information obtained from discussions with a previous employee of Mound that worked in the area when the drums were placed in the hole.

The project has thus far recovered 16 drums from the hole. These drums consisted of mostly 55 gallon drums containing gravel, concrete and miscellaneous debris. The contamination levels of these drums were no greater than that of the soils coming from the project. There was one drum that contained a heavy grease like material. The rad soil screen on the grease showed below detection limits. Samples also indicated no other hazardous constituents. Two of the drums contained soil/sludge like material that were sampled and results indicated one to be 1200 nCi/g, Pu-238 and the other 529 nCi/g Pu-238.

Discussions with a previous Mound employee who worked as an RCT and at shipping waste from the plant at the time the drums were placed in the hole supports what we have found to date. There was a break in an underground line behind Building 48 in the late 60's. A good amount of the clean-up materials such as concrete and miscellaneous debris was placed in 55 gallon drums and staged behind WD Building. A large amount of wastewater was processed from the line breaking. The sludge from the wastewater processing produced a sludge that when processed through the normal sludge process was killing the bugs. Several drums of this processed sludge and or higher level soil was drummed up in 30 gallon drums which were overpacked in 55 gallon drums and placed in the staging area with the other drums from the line break clean-up. A hole was dug next to the drying beds and the undigested sludge was placed in the hole. The approximate size of the hole was 20-30 feet in length and 15-20 feet in width. The clean-up debris in 55 gallon drums was placed in the hole. Pieces of pipe from the repair of the broken line were also placed in the hole. The hole was partially filled in and remained open for several years. During this time the 30 gallon drums (overpacked in 55 gallon drums) of higher level sludge/soils remained at the SD area. In the early 70's (probably 1971) the remainder of the hole was suddenly filled in and the 30 gallon drums (overpacked in 55 gallon drums) were gone. It is believed these drums were placed in the remaining hole and then the hole was filled in with soil.

This account supports the type of waste we have encountered to date on the project. It is therefore believed to be accurate. From this account it is expected that the project will encounter no more than a total of approximately 25 drums and that those drums are located in the immediate vicinity of the existing hole.

CC: DOE_OH.MOUND.Donovan Kevin, DOE_OH.MOUND.Simak Joh...

ORIGINAL

Attachment 2 - CCP Records Transmittal/Receiving Form

Page 1 of 1

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220
Telephone Number: 505-234-7523, 505-234-7233, 505-234-7617
Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Records Custodian	From:	Trey Greenwood
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Mound Site Waste at SRS
		Company:	Technical Specialists, Inc.
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Telephone Number:	505-302-6000
		Date Sent:	6/7/05
Telephone Number:	505-234-7523		

Document Number	Title/Description	Record Date	Total Pages
M044	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-8	5/25/2005	2
N17	Process Knowledge for Old SD Project	11/20/1997	1
	N/A		

Comments

None

CCP Records Center
Acceptance/Rejection Signature and Date

Records Accepted ☒ Susan Keathley (Signature) | S. Keathley (Printed Name) | 6/28/05 (Date)

Records Rejected ☐ _____ (Signature) | _____ (Printed Name) | _____ (Date)

Reason for Rejection:

Re-submittal: _____ (Signature) | _____ (Printed Name) | _____ (Date)

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site | Source Document Tracking Number: C003

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- [x] TRU Waste Management Program Information
- [x] Waste Stream-Specific Information
- [x] Additional Information

Category:
- [x] C - Correspondence
- [ ] DR - Discrepancy Resolution
- [ ] P - Published procedures and reports
- [ ] U - Unpublished documents

Title or Description of Source Document [a]: Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

Source Document Reference Information (author(s), document and revision number, date, publisher): Kevin Peters, N/A, 09/17/2013

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR8, WS1, WS3, WS6, WS8, WS9, S18	Page 1 of 1	This evaluation shows the weight and volumes of the waste and container construction materials for the 3 sources in this waste stream. Includes the waste material parameter weights for the final waste stream and each container and amount of beryllium estimated for each container in the waste stream. The size of the drums to be used 15- and 16-gallon drums provided by Irene Joo. This supercedes the 6/28/2013 version of this source to include the wood bracing included in the drums during repackaging (See photographs in U004)

Source Document Data Limitations (If any):

1. Weights based on OSRP estimated volumes and weights.

Acceptable Knowlege Expert:

Kevin J. Peters, _____ Date: 9/18/2013
Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/23/13

Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

	M029	M044	M045	Total Weight (g.)
Stainless Steel Inner Capsule metal mass (g.)	161.3	102.0	116.5	379.80
Stainless Steel Outer Capsule metal mass (g.)	217.5	136.4	156.1	510
Aluminum Sleeve/Holder metal mass (g.)	227.8	175.5	149.9	553.20
Stainless Steel SFC metal mass (g.)	7536.0	5791.1	4956.6	18283.70
PuBe metal mass (g.)	77.22	45.93	56.13	179.28
Mass 15 lb. wood bracing (g.)	6804.00	6804.00	6804.00	20412.00
Mass Stainless Steel (g.)	7914.8	6029.5	5229.2	19173.5
Pecent Stainless Steel	52.7%	46.2%	42.7%	**47.6%**
Pecent Aluminium	1.5%	1.3%	1.2%	**1.4%**
Percent Other Metal (PuBe)	0.5%	0.4%	0.5%	**0.4%**
Percent Cellulosics (wood bracing)	45.3%	52.1%	55.6%	**50.6%**
Weight beryllium (g.)	60	39.52	47.24	146.76
Weight plutonium (g.)	17.22	6.41	8.89	32.52
Total Other Metal Weight (g.)	77.22	45.93	56.13	179.28
Weight % beryllium	**0.40%**	**0.30%**	**0.39%**	**0.37%**
SFC mass (g.)	7536.04	5791.12	4956.59	
Total Source weight (g.)	606.64	413.86	422.56	
Total Wt. (Source and SFC)(g.)	8142.68	6204.98	5379.15	19726.81
Total Wt. (with bracing)(g.)	14946.68	13008.98	12183.15	40138.81
Dimension of SFC (in)	2.0 (OD)x 24.75 (L)	2.0 (OD)x 19.0 (L)	2.0 (OD)x 16.25 (L)	
SFC Volume in Drum (in3)	77.8	59.7	51.1	
SFC Volume in Drum (liters)	0.50	0.39	0.33	
Waste Drum Volume (gal)	16	15	15	

NOTES:

Demensional, material of construction, and weight data obtained from documentation in AK Source U002.
Volume of waste drums provided by Irene Joo 6/27/2013.
Weight of wood bracing provided by Ralph Poling to Irene Joo on 8/7/2013. See U004 for pictures of bracing.

Kevin J. Peters

9/17/2013

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site | Source Document Tracking Number: C003

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- [x] TRU Waste Management Program Information
- [x] Waste Stream-Specific Information
- [x] Additional Information

Category:
- [x] C - Correspondence
- [ ] DR - Discrepancy Resolution
- [ ] P - Published procedures and reports
- [ ] U - Unpublished documents

Title or Description of Source Document [a]: Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

Source Document Reference Information (author(s), document and revision number, date, publisher): Kevin Peters, N/A, 09/17/2013

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR8, WS1, WS3, WS6, WS8, WS9, S18	Page 1 of 1	This evaluation shows the weight and volumes of the waste and container construction materials for the 3 sources in this waste stream. Includes the waste material parameter weights for the final waste stream and each container and amount of beryllium estimated for each container in the waste stream. The size of the drums to be used 15- and 16-gallon drums provided by Irene Joo. This supercedes the 6/28/2013 version of this source to include the wood bracing included in the drums during repackaging (See photographs in U004)

Source Document Data Limitations (If any):

1. Weights based on OSRP estimated volumes and weights.

Acceptable Knowlege Expert:

Kevin J. Peters, _____ Date: 9/18/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/23/13

Souce Document U003
By: Steve Schafer
Date: June 27, 2013

Table X1. Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01

	M029		M044		M045	
Radionuclide	**Curies**	**Grams**	**Curies**	**Grams**	**Curies**	**Grams**
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06
Totals	**6.61E+01**	**1.90E+01**	**2.48E+01**	**6.56E+00**	**3.42E+01**	**9.05E+00**

Taken from Souce Document C001

Activity and Mass Percentage

	M29 Curies	M29 Ci%	M29 Grams	M29 Wt.%	M44 Curies	M44 Ci%	M44 Grams	M44 Wt. %	M45 Curies	M45 Ci%	M45 Grams	M45 Wt%
Am-241	2.90E+00	4.39%	8.36E-01	4.39%	1.09E+00	4.40%	3.14E-01	4.79%	1.50E+00	4.38%	4.32E-01	4.77%
Np-237	2.25E-05	0.00%	3.16E-02	0.17%	8.43E-06	0.00%	1.18E-02	0.18%	1.16E-05	0.00%	1.63E-02	0.18%
Pa-233	2.24E-05	0.00%	1.08E-09	0.00%	8.39E-06	0.00%	4.03E-10	0.00%	1.16E-05	0.00%	5.58E-10	0.00%
Pu-238	4.34E+01	65.71%	2.51E+00	13.19%	1.63E+01	65.72%	9.42E-01	14.36%	2.25E+01	65.72%	1.30E+00	14.36%
Pu-239	6.86E-01	1.04%	1.09E+01	57.29%	2.58E-01	1.04%	4.10E+00	62.52%	3.56E-01	1.04%	5.66E+00	62.54%
Pu-240	4.52E-01	0.68%	1.97E+00	10.35%	1.70E-01	0.69%	7.39E-01	11.27%	2.35E-01	0.69%	1.02E+00	11.27%
Pu-241	1.86E+01	28.16%	1.79E-01	0.94%	6.98E+00	28.14%	6.71E-02	1.02%	9.64E+00	28.16%	9.27E-02	1.02%
Pu-242	7.01E-03	0.01%	1.77E+00	9.30%	2.85E-04	0.00%	7.18E-02	1.09%	3.93E-04	0.00%	9.90E-02	1.09%
U-233	1.35E-09	0.00%	1.38E-07	0.00%	5.07E-10	0.00%	5.19E-08	0.00%	7.00E-10	0.00%	7.17E-08	0.00%
U-234	5.24E-03	0.01%	8.29E-01	4.36%	1.97E-03	0.01%	3.12E-01	4.76%	2.72E-03	0.01%	4.30E-01	4.75%
U-237	4.56E-04	0.00%	5.53E-09	0.00%	1.71E-04	0.00%	2.07E-09	0.00%	2.37E-04	0.00%	2.87E-09	0.00%
U-238	3.99E-11	0.00%	1.17E-04	0.00%	1.62E-12	0.00%	4.76E-06	0.00%	2.24E-12	0.00%	6.59E-06	0.00%
Totals	6.61E+01	100.00%	**1.90E+01**	100.00%	2.48E+01	100.00%	**6.56E+00**	100.00%	3.42E+01	100.00%	9.05E+00	100.00%

	M29 Ci%	M44 Ci%	M45 Ci%
Am-241	4.39%	4.40%	4.38%
Np-237	3.41E-07	3.40E-07	3.39E-07
Pa-233	3.39E-07	3.38E-07	3.39E-07
Pu-238	65.71%	65.72%	65.72%
Pu-239	1.04%	1.04%	1.04%
Pu-240	0.68%	0.69%	0.69%
Pu-241	28.16%	28.14%	28.16%
Pu-242	0.01%	1.15E-05	1.15E-05
U-233	2.04E-11	2.04E-11	2.04E-11
U-234	0.01%	0.01%	0.01%
U-237	6.90E-06	6.90E-06	6.92E-06
U-238	6.04E-13	6.53E-14	6.54E-14
Totals	100.00%	100.00%	100.00%

	M29 Wt.%	M44 Wt. %	M45 Wt%	Waste Stream Average Wt. %	Waste Stream Average Ci %
Am-241	4.39%	4.79%	4.77%	4.65%	4.39%
Np-237	0.17%	0.18%	0.18%	0.18%	3.40E-07
Pa-233	5.68E-11	6.15E-11	6.17E-11	6.00E-11	3.39E-07
Pu-238	13.19%	14.36%	14.36%	13.97%	65.72%
Pu-239	57.29%	62.52%	62.54%	60.78%	1.04%
Pu-240	10.35%	11.27%	11.27%	10.96%	0.69%
Pu-241	0.94%	1.02%	1.02%	1.00%	28.15%
Pu-242	9.30%	1.09%	1.09%	3.83%	4.30E-05
U-233	7.25E-09	7.91E-09	7.92E-09	7.70E-09	2.04E-11
U-234	4.36%	4.76%	4.75%	4.62%	0.01%
U-237	2.91E-10	3.16E-10	3.17E-10	3.08E-10	6.91E-06
U-238	6.15E-06	7.26E-07	7.28E-07	2.53E-06	2.45E-13
Totals	100.00%	100.00%	100.00%	100.00%	100.00%

total PU	1.73E+01	5.92E+00	8.17E+00

Table X2. Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01

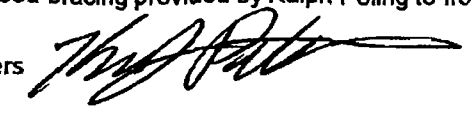
	Radionuclide	Relative Weight Percent	Relative Activity Percent	Expected Present (Yes/No)
	WIPP Radionuclides			
1	Am-241	4.65%	4.39%	Yes
2	Pu-238	13.97%	65.72%	Yes
3	Pu-239	60.78%	1.04%	Yes
4	Pu-240	10.96%	0.69%	Yes
5	Pu-242	3.83%	<0.01%	Yes
6	U-233	<0.01%	<0.01%	Yes
7	U-234	4.62%	0.01%	Yes
8	U-238	<0.01%	<0.01%	Yes
9	Cs-237	Not Reported		Yes
10	Sr-90	Not Reported		Yes
	Additional Radionuclides			
	Pa-233	6.00E-11	3.39E-07	Yes
	U-237	3.08E-10	6.91E-06	Yes
	Np-237	0.18%	3.40E-07	Yes
	Pu-241	1.00%	28.15%	Yes
	Totals	100.00%	100.00%	

Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

	M029	M044	M045	Total Weight (g.)
Stainless Steel Inner Capsule metal mass (g.)	161.3	102.0	116.5	379.80
Stainless Steel Outer Capsule metal mass (g.)	217.5	136.4	156.1	510
Aluminum Sleeve/Holder metal mass (g.)	227.8	175.5	149.9	553.20
Stainless Steel SFC metal mass (g.)	7536.0	5791.1	4956.6	18283.70
PuBe metal mass (g.)	77.22	45.93	56.13	179.28
Mass 15 lb. wood bracing (g.)	6804.00	6804.00	6804.00	20412.00
Mass Stainless Steel (g.)	7914.8	6029.5	5229.2	19173.5
Pecent Stainless Steel	52.7%	46.2%	42.7%	**47.6%**
Pecent Aluminium	1.5%	1.3%	1.2%	**1.4%**
Percent Other Metal (PuBe)	0.5%	0.4%	0.5%	**0.4%**
Percent Cellulosics (wood bracing)	45.3%	52.1%	55.6%	**50.6%**
Weight beryllium (g.)	60	39.52	47.24	146.76
Weight plutonium (g.)	17.22	6.41	8.89	32.52
Total Other Metal Weight (g.)	77.22	45.93	56.13	179.28
Weight % beryllium	**0.40%**	**0.30%**	**0.39%**	**0.37%**
SFC mass (g.)	7536.04	5791.12	4956.59	
Total Source weight (g.)	606.64	413.86	422.56	
Total Wt. (Source and SFC)(g.)	8142.68	6204.98	5379.15	19726.81
Total Wt. (with bracing)(g.)	14946.68	13008.98	12183.15	40138.81
Dimension of SFC (in)	2.0 (OD)x 24.75 (L)	2.0 (OD)x 19.0 (L)	2.0 (OD)x 16.25 (L)	
SFC Volume in Drum (in3)	77.8	59.7	51.1	
SFC Volume in Drum (liters)	0.50	0.39	0.33	
Waste Drum Volume (gal)	16	15	15	

NOTES:

Demensional, material of construction, and weight data obtained from documentation in AK Source U002.
Volume of waste drums provided by Irene Joo 6/27/2013.
Weight of wood bracing provided by Ralph Poling to Irene Joo on 8/7/2013. See U004 for pictures of bracing.

Kevin J. Peters 

9/17/2013

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: U002
Waste Stream Number(s): SR-RH-SDD.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ DR - Discrepancy Resolution ☐ P - Published procedures and reports ☑ U - Unpublished documents
Title or Description of Source Document [a]: Miscellaneous Pu-Be Neutron Source Documentation and Specifications	
Source Document Reference Information (author(s), document and revision number, date, publisher): SRS, Doc No. N/A, Rev. N/A, Date: Various	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR2, PR3, PR4, PR5, PR6, PR7, PR8, WS1, WS2, WS3, WS8, WS9, WS10, WS11, WS12, S4, S15, S16	Throughout	This document provides documentation and specifications of Pu-be neutron sources. Includes: -Accountable Sealed Radioactive Source Data Sheets -OSRP source and SFC specifications, weights and dimensions -Source drawing

NTPC RECORDS ORIGINAL
DATE REC'D 9/9/13

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: U002

Source Document Data Limitations (if any):

1. Best available copy of excerpts provided.
2. Includes numerous excerpts from other forms, reports and documentation provided by the generator. Best available copies of the documentation.

Acceptable Knowlege Expert:

Kevin J. Peters , _____ Date: 7/2/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only | Printout Date: 5/28/2003

FILE NUMBER: 00577

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M029	Pu-238,Be	N	25	Y

Manufacturer: Monsanto Research
Address: Dayton, OH

Model:
Serial:
Use: EIT, Neut
Date Made: 8-22-1966

Original DPM: 6.524136 E 14
Original uCi: 293,880,000
mGram Wt.: 17120

WSRC RR #:
Purchase Order #:

Status
In Use ☐
*Disposed ☐
Storage ☐
Lost ☐
Storage/ Not Needed ☒
*When/where:

Description Of Material
Record equipment name and serial number below.
Check box if source is installed in an instrument. ☐
Pu-Be source in 304 S.S. double can, .625" dia. x 24.0" in length. The purchase order for this source is dated 08-20-68.
DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location
Bldg: 321
Area: M
Rm: SW Corner

Decay Correct Date:
Decay Correct Value (uCi):

Nuclide	Plutonium - 238
Half life	87.7
Alpha	5.4990
Beta	None
Gamma	0.1000

Energies listed in MeV

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng
Gary, Sammie L. III (Sam)	704-C, Rm 131	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng

SECTION B — INVENTORY

Inventory Status

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐
RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, Inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Sammie (First) Gary (Last) — Inventoried by
5/28/03 — Date Inventoried
Next Inventory Due Date: 11 (Month) 28 (Day) 2003 (Year)

SECTION C — LEAK TEST

Radioactive Source Leak Test — Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒
RSCC Exemption Letter Number:

Reason for Performing Leak Test
☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other/Explain _____ RSLS#:

Leak Test Performed On	Test Method	Leak Test Results			Radiation Intensity		
☐ Source	☐ Dry Paper Disk	Alpha		dpm	Extremity @ 5cm		mrem/hr
☐ Source Device	☐ Water Sample	Beta-Gamma		dpm	Skin @ 30cm		mrem/hr
☐ Source Container	☐ Wet Paper Disk (Alcohol, etc., dried in counter)	Total		dpm	Whole Body @ 30cm		mrem/hr
☐ Other _____							

Leak Test Performed by RCI
(First) (Last) Date Tested

Next Leak Test Due Date: (Month) (Day) (Year)

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S. L. Gary 5-28-2003
SCC Signature/Date

Record Updated By
Initials: slgiii
Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original -- MC&A
Copies -- SCC and S&HO

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only	Printout Date	5/28/2003
FILE NUMBER	00037	

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M044	Pu-238,Be	N	25	Y

Manufacturer: Monsanto Research
Address: Dayton, Ohio

Model:
Serial:
Use: EIT, Neut
Date Made: 6-14-1968

Original DPM: 2.428458 E 14
Original uCi: 109,390,000
mGram Wt.: 6410

WSRC RR #: AX#3935
Purchase Order #:

Status

		*When/where
In Use	☐	
*Disposed	☐	
Storage	☐	
Lost	☐	
Storage/ Not Needed	☒	

Description Of Material
Record equipment name and serial number below.
Check box if source is installed in an instrument ☐

Pu-Be source in 304 double SS double can. .625" dia. x 13.42" in length. The purchase order for this source is dated 06-20-68.
DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location

Bldg	321
Area	M
Rm	SW Corner

Decay Correct Date:
Decay Correct Value (uCi):

Nuclide	Plutonium- 238
Half life	87.7
Alpha	5.4990
Beta	None
Gamma	0.1000
Energies listed in MeV	

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng.
Gary, Sammie L. III (Sam)	704-C, Rm 131	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng.

SECTION B — INVENTORY

Inventory Status

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐
RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, Inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Inventoried by (First)	Inventoried by (Last)	Date Inventoried
Sammie	Gary	5/28/03

Next Inventory Due Date: Month 11 / Day 28 / Year 2003

SECTION C — LEAK TEST

Radioactive Source Leak Test — Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒
RSCC Exemption Letter Number:

Reason for Performing Leak Test

☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other /Explain _____ RSLS#:

Leak Test Performed On

☐ Source
☐ Source Device
☐ Source Container
☐ Other _____

Test Method

☐ Dry Paper Disk
☐ Water Sample
☐ Wet Paper Disk (Alcohol, etc., if not in water)

Leak Test Results

Alpha		dpm
Beta-Gamma		dpm
Total		dpm

Radiation Intensity

Extremity @ 5cm		mrem/hr
Skin @ 30cm		mrem/hr
Whole Body @ 30cm		mrem/hr

Leak Test Performed by RCI

(First)	(Last)	Date Tested

Next Leak Test Due Date: Month / Day / Year

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S. L. Gary 5-28-2003
SCC Signature/Date

Record Updated By

Initials: slgiii
Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original -- MC&A
Copies -- SCC and S&HO

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only	Printout Date: 5/28/2003
FILE NUMBER: 00038	

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M045	Pu-238,Be	N	25	Y

Manufacturer:

Address:

Model:

Serial:

Use: EIT, Neut

Date Made: 6-14-1968

Original DPM: 3.368184 E 14

Original uCi: 151,720,000

mGram Wt.: 8890

WSRC RR #:

Purchase Order #:

Status

- In Use ☐
- *Disposed ☐
- Storage ☐
- Lost ☐
- Storage/Not Needed ☒

*When/where:

Description Of Material

Record equipment name and serial number below.

Check box if source is installed in an instrument: ☐

Pu-Be source in 304 SS double Can, .625" dia. x 16.0" in length. The purchase order for this source is dated 06-20-68.

DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location

Bldg: 321

Area: M

Rm: SW Corner

Decay Correct Date:

Decay Correct Value (uCi):

Nuclide	Plutonium- * 238
Half life	87.7
Alpha	5.4990
Beta	None
Gamma	0.1000

Energies listed in MeV

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng.
Gary, Sammie L. III (Sam)	704-C, Rm. 31	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng.

SECTION B — INVENTORY STATUS

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐

RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, Inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Inventoried by: Sammie (First) Gary (Last)

Date Inventoried: 5/28/03

Next Inventory Due Date: 11 (Month) 28 (Day) 2003 (Year)

SECTION C — LEAK TEST

RADIOACTIVE SOURCE LEAK TEST

Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒

RSCC Exemption Letter Number:

Reason for Performing Leak Test

☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other /Explain RSLS#:

Leak Test Performed On

- ☐ Source
- ☐ Source Device
- ☐ Source Container
- ☐ Other

Test Method

- ☒ Dry Paper Disk
- ☐ Water Sample
- ☐ Wet Paper Disk (Alcohol, etc., dried to count)

Leak Test Results		
Alpha		dpm
Beta-Gamma		dpm
Total		dpm

Radiation Intensity		
Extremity @ 5cm		mrem/hr
Skin @ 30cm		mrem/hr
Whole Body @ 30cm		mrem/hr

Leak Test Performed by RCI: (First) (Last) Date Tested

Next Leak Test Due Date: (Month) (Day) (Year)

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S.L. Gary 5-28-2003

SCC Signature/Date

Record Updated By

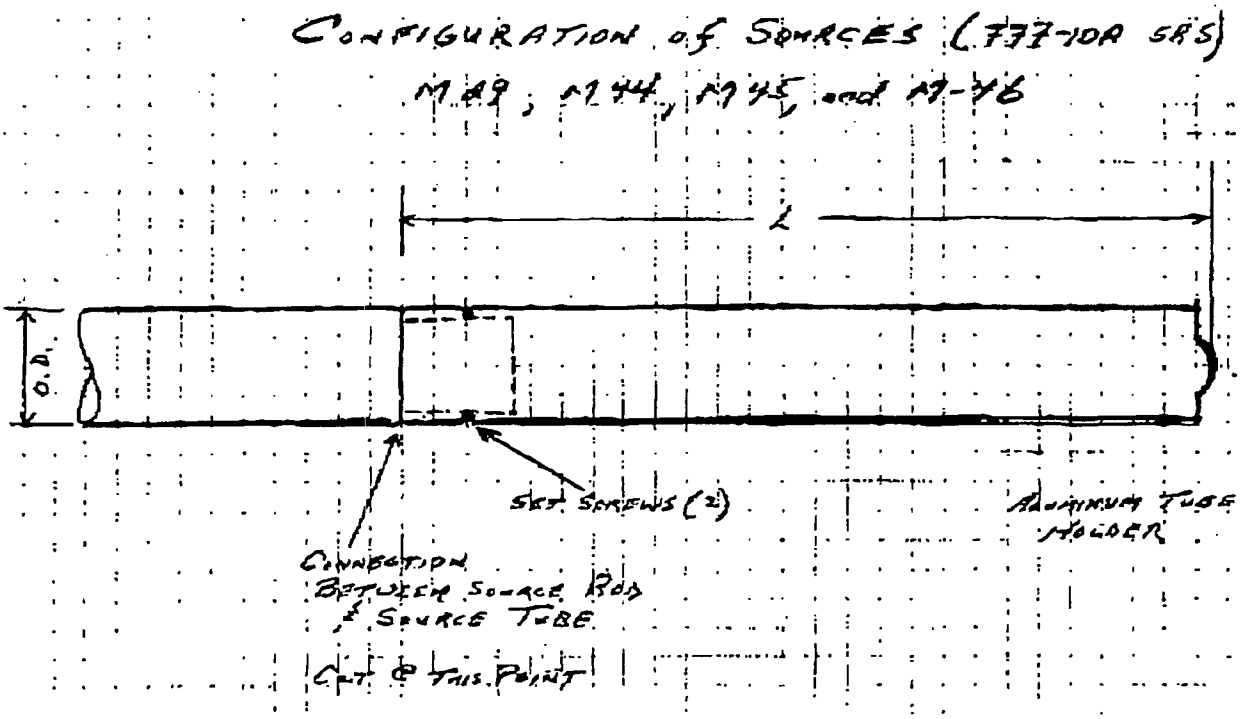
Initials: slgiii

Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original – MC&A
Copies – SCC and S&HO

Capsule #	M-29	M-44	M-45
Outer Capsule			
Outside Diameter	0.625	0.625	0.625
Wall	0.032	0.032	0.032
Calc. ID	0.561	0.561	0.561
Inside Length	24.010	13.430	16.010
Plug Thickness	0.090	0.090	0.090
Plug Diameter	0.561	0.561	0.561
Plug metal volume	0.247	0.247	0.247
Calc.outside length	24.190	13.610	16.190
Vol. metal capsule	1.442	0.811	0.965
Total metal volume	1.689	1.059	1.212
Inner Capsule			
Outside Diameter	0.558	0.558	0.558
Wall	0.026	0.026	0.026
Calc. ID	0.506	0.506	0.506
Inside Length	24.000	13.420	16.000
Plug Thickness	0.090	0.090	0.090
Plug Diameter	0.506	0.506	0.506
Plug metal volume	0.201	0.201	0.201
Calc.outside length	24.180	13.600	16.180
Vol. metal capsule	1.051	0.591	0.703
Total metal volume	1.252	0.792	0.904
Total metal volume cubic inches	2.941	1.851	2.117
Total metal volume cubic centimeters	48.196	30.326	34.684
Density iron (grams/cc)	7.86	7.86	7.86
mass of metal capsules (grams)	**378.82**	**238.36**	**272.61**
Aluminium Sleeve/Holder			
OD per field measurement (inch)	0.830	0.830	0.830
Length to rod connection (inch)	23.830	18.000	15.250
ID assume inner capsule OD 0.625	0.650	0.650	0.650
Wall thickness calculated	0.28	0.28	0.28
Volume Al metal in sleeve	4.944	3.786	3.191
Volume Al metalend cap (2)	0.186	0.186	0.188
Total volume Al metal cubic inches	5.130	3.952	3.377
Volume Al cubic centimeters	84.065	64.761	55.332
density of Al grams/cubic centimeter	2.71	2.71	2.71
Total weight of the Al	227.82	175.50	149.95
Stainless final Capsule			
OD per design	2.00	2.00	2.00
ID per design	1.00	1.00	1.00
Wall thickness	0.25	0.25	0.25
Length	24.75	19.00	18.25
Estimated Volume (solid) cubic inches	77.75	59.69	51.05
Estimated Volume (void) cubic inches	19.24	14.73	12.57
Net metal volume cubic inches	58.51	44.96	38.48
Net metal volume cubic centermenters	958.78	736.78	630.61
Iron density (gram /cc)	7.86	7.86	7.86
Total capsule mass	7536.04	5791.12	4956.59
pounds	16.60	12.76	10.92



RADIOACTIVE SOURCE HOLDERS - 777-10A

4/24/02

	Length per Field Data		O. D. per Field Data		Mfg. SFC to Following Specs	
	in.	mm	in.	mm	Length, in.	O.D., in. (Standard)
M-43	23.83	600.08	0.83	21.17	24.75	1
M-44	18.00	457.20	0.85	21.62	19.00	1
M-45	15.25	387.35	0.83	21.15	16.25	1
M-46	12.00	304.80	0.83	21.15	13.00	1

O. D. diameter was made using a laser type micrometer inserted in the shielding block.

Length was made using a standard issue tape measure and read via a remote camera.

SFC's have a standard 1 in. I. D. hole

An 1 in. min. allowance will be added to each length to allow for cutting source tube from source holder in the field.

WRC/ddj/rwske 1 of 2 4/24/02

Pu-238/Be Source Information				
		Physical Size		
Serial Number	Mfg	Diameter	Length	Mfg Date
MRPU8BE29	MRC	0.6 in.	24 in.	12/31/1966
MRPU8BE44	MRC	0.6 in.	13.4 in.	12/31/1966
MRPU8BE45	MRC	0.6 in.	16 in.	12/31/1966
MRPU8BE46	MRC	0.6 in.	10.1in.	12/31/1966
MRPU8BE47	MRC	0.6 in.	9.54 in.	12/31/1966

Serial No.	Source Diameter (inches)	Source Length (inches)	Date of Manufacture	Curies	Grams	SFC Length (inches)	Shipping Container
MRPU8BE29	0.83	23.63	12/31/1966	44.75	3.40	28.00	One SWB
MRPU8BE44	0.85	18	12/31/1966	16.58	1.26	22.50	
MRPU8BE45	0.83	15.25	12/31/1966	22.90	1.74	19.75	
MRPU8BE46	0.83	12	12/31/1966	13.80	1.05	16.50	12" POC
MRPU8BE47A	0.375	6.75	12/31/1966	3.29	0.25	10.25	12" POC
MRPU8BE47B	0.375	9.5	12/31/1966	Unknown	Unknown	13.00	12" POC
MRPU8BE295	1	10	10/2/1975	21.32	1.52	12.50	12" POC
MRPU8BE296	1	10	10/2/1975	18.52	1.32	12.50	12" POC

Preliminary Packaging Plan

1. **Encapsulation:**
   The 8 sources will be placed into special form capsules on site. The team will investigate whether sources 47A and 47B will fit side by side into the 13" SFCs. If they fit, one less POC will be necessary. If separate SFCs are necessary, some estimation of the activity of 47B must be made and etched on the capsule.

2. **Packaging:**

   Note: Dose rates on loaded 12" POCs will be limited to 155 mrem/hr on contact. The contents of any container that exceeds this value will be repackaged into a 6" POC. Dose rates on loaded 6" POCs will be limited to 200 mrem/hr.

   Following encapsulation into LANL SFCs, the 8 Pu-238/Be sources will be packaged into five 12" POC assemblies and one standard waste box (SWB) as indicated in the table above. If sources 47A and B fit into one SFC, one less POC will be necessary. Dose rates will be measured on the 12" POCs to assure that the 155 mrem/hour dose rate limit is not exceeded. If any measured dose rates exceed the limit, the alternative plan is to package sources in 6" POCs as necessary. The POCs will be direct shipped to LANL with subsequent transfer to TA-54. The SWB will be stored at SRS until it is approved for sealed source disposal at WIPP.

REQUIRED MATERIALS AND EQUIPMENT

Materials / Equipment	Description
Radiation Detection and Measurement Equipment (list equipment serial number and calibration verification)	SRS is in charge of radiation protection for this recovery.

Project					Calculation No.				
777-10A					N-CLC-A-00054				
Subject: Hazard Categorization and Pu-Be Sources					Sheet No. 4				
Rev	Originator	Date	Checker	Date	Rev	Originator	Date	Checker	Date
A	TJ Feske	6/21/01	J.W. Lee	6/21/01					

SOURCE CAPSULE GEOMETRY

References 1 and 2 describe the geometry of the source capsules as a sealed cylinder inside another sealed cylinder, as shown in Figure 1 below:

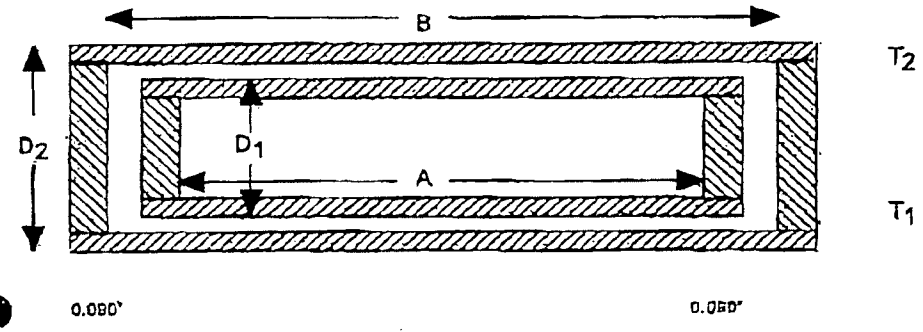


Figure 1 (Not to Scale)

Internal Volume of Outer Cylinder

The dimensions of the outer cylinder for each source are as shown below.

SOURCE ID	D2 (in)	D2 (cm)	B (in)	B (cm)	T2 (in)	T2 (cm)	I.D. (in)	I.D. (cm)
M-28	0.625	1.588	24.01	60.99	0.032	0.080	0.562	1.427
M-44	0.625	1.588	13.43	34.11	0.032	0.080	0.562	1.427
M-45	0.625	1.588	16.01	40.67	0.032	0.080	0.562	1.427
M-46	0.625	1.588	10.11	25.68	0.032	0.080	0.562	1.427
M-47	0.375	0.953	9.55	24.26	0.019	0.048	0.337	0.856

Note: 1. Numbers in italics are from Reference 2
2. T2 and ID for M-47 are assumed - see discussion below.

Reference 2 does not show the proper sketch for M-47, so the wall thicknesses and clearances will have to be assumed.

Assumption

The smaller diameter capsules are scaled down proportionally in the same ratio as the larger. Consequently, since the wall thickness for the larger outer cylinder is 0.032/0.625 = 0.05 times the O.D., the same 0.05 ratio is applied to the OD of the M-47 outer cylinder.

Radioactivity/Fissile Content

The 5 neutron sources were manufactured at the Mound Facility circa 1965. Current radioactivity/fissile inventories are constructed based on original inventory records and radiation level measurements data together with calculation using ORIGEN-2 and MCNP-4B computer codes. They are summarized in Tables 1 and 2 below. There is a reasonable agreement between measured dose rate and calculated dose rate, hence time-dependent radionuclide distribution used in this evaluation is considered valid.

Table 1 Mass of Pu and Be

	M29	M44	M45	M46	M47	Total
Be(gram)	60	39.52	47.24	29.64	6.048	182.448
Pu(gram)	17.22	6.41	8.89	5.42	1.29	39.23

03/10/05 THU 17:01 FAX 803 725 4747 BEFSRC 010
5-13-05; 7:43AM ; 803 725 4747;# 12

Attachment 1; Pu-Be Source Terms

Nuclide	Fraction	Mass (gram) M29	M44	M45	M46	M47	Total Pulutonium (gram)	(curies)	A1 (Ci)
He4	7.989E-04								
U234	4.422E-02								
Np237	1.657E-03								
Pu238	1.510E-01	2.9E+00	1.1E+00	1.5E+00	9.1E-01	2.2E-01	6.8E+00	1.1E+02	54.1
Pu239	6.254E-01	1.2E+01	4.4E+00	6.2E+00	3.8E+00	8.8E-01	2.7E+01	1.7E+00	54.1
Pu240	1.026E-01	2.0E+00	7.3E-01	1.0E+00	6.2E-01	1.5E-01	4.5E+00	1.0E+00	54.1
Pu241	1.327E-02	2.5E-01	9.4E-02	1.3E-01	8.0E-02	1.9E-02	5.8E-01	6.0E+01	1080
Pu242	9.999E-03	1.9E-01	7.1E-02	9.9E-02	6.0E-02	1.4E-02	4.3E-01	1.7E-03	54.1
Am241	5.004E-02								
Pu total	9.023E-01						3.9E+01	1.7E+02	
Sum	8.890E-01								
Be(gram)		60	39.52	47.24	29.84	6.048	182.448		
Pu(gram)		17.22	6.41	8.89	5.42	1.29	39.23		

1. Pu tranportation in excess of 20 curies per package shall use DOE approved packaginge
2. Single parameter water-reflected critical mass of Pu239 is 450 gram, Pu241 is 200 gram
3. For encapsulated Pu-Be source, A1 quantity of Pu may be present (as type A)

Tranport Index for criticality = 0.026*(total Pu mass-16)
Trans Idx= 5.0E-01 (less than 10)

Pu Curie Content

	M29	M44	M45	M46	M47	Sum	A1
Pu238	4.9E+01	1.8E+01	2.5E+01	1.5E+01	3.7E+00	1.1E+02	54.1
Pu239	7.3E-01	2.7E-01	3.8E-01	2.3E-01	5.5E-02	1.7E+00	54.1
Pu240	4.4E-01	1.6E-01	2.3E-01	1.4E-01	3.3E-02	1.0E+00	54.1
Pu241	2.6E+01	9.7E+00	1.4E+01	8.2E+00	2.0E+00	6.0E+01	1080
Pu242	7.5E-04	2.8E-04	3.9E-04	2.4E-04	5.6E-05	1.7E-03	54.1
Total Ci	7.7E+01	2.9E+01	4.0E+01	2.4E+01	5.7E+00	1.7E+02	

Fractionet Sum

Pu238	9.120E-01	3.4E-01	4.7E-01	2.8E-01	6.8E-02	2.1E+00
Pu239	1.953E-02	5.0E-03	7.0E-03	4.3E-03	1.0E-03	3.1E-02
Pu240	8.168E-03	3.0E-03	4.2E-03	2.6E-03	6.1E-04	1.9E-02
Pu241	2.422E-02	8.0E-03	1.3E-02	7.6E-03	1.8E-03	5.5E-02
Pu242	1.385E-05	5.2E-06	7.1E-06	4.4E-06	1.0E-06	3.2E-05
Sum	9.579E-01	3.6E-01	4.9E-01	3.0E-01	7.2E-02	2.2E+00

03/10/05 TUE 17:01 FAX 803 725 4747 BSRC 011
5-13-05; 7:43AM ; 803 725 7800;# 13

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only | Printout Date: 5/28/2003

FILE NUMBER: 00577

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M029	Pu-238,Be	N	25	Y

Manufacturer: Monsanto Research
Address: Dayton, OH

Model:
Serial:
Use: EIT, Neut
Date Made: 8-22-1966

Original DPM: 6.524136 E 14
Original uCi: 293,880,000
mGram Wt.: 17120

WSRC RR #:
Purchase Order #:

Status
In Use ☐
*Disposed ☐
Storage ☐
Lost ☐
Storage/ Not Needed ☒
*When/where:

Description Of Material
Record equipment name and serial number below.
Check box if source is installed in an instrument. ☐
Pu-Be source in 304 S.S. double can, .625 " dia. x 24.0" in length. The purchase order for this source is dated 06-20-68.
DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location
Bldg: 321
Area: M
Rm: SW Corner

Decay Correct Date:
Decay Correct Value (uCi):

Nuclide: Plutonium - 238
Half life: 87.7
Alpha: 5.4990
Beta: None
Gamma: 0.1000
Energies listed in MeV

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng
Gary, Sammie L. III (Sam)	704-C, Rm 131	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng

SECTION B — INVENTORY

Inventory Status

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐
RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Sammie (First) Gary (Last) — Inventoried by
5/28/03 — Date Inventoried

Next Inventory Due Date: 11 (Month) 28 (Day) 2003 (Year)

SECTION C — LEAK TEST

Radioactive Source Leak Test — Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒
RSCC Exemption Letter Number:

Reason for Performing Leak Test
☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other /Explain: RSLS#:

Leak Test Performed On	Test Method	Leak Test Results			Radiation Intensity		
☐ Source	☐ Dry Paper Disk	Alpha		dpm	Extremity @ 5cm		mrem/hr
☐ Source Device	☐ Water Sample	Beta-Gamma		dpm	Skin @ 30cm		mrem/hr
☐ Source Container	☐ Wet Paper Disk (Alcohol, etc., dried in oven)	Total		dpm	Whole Body @ 30cm		mrem/hr
☐ Other							

Leak Test Performed by RCI
(First) (Last) Date Tested

Next Leak Test Due Date: (Month) (Day) (Year)

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S. L. Gary 5-28-2003
SCC Signature/Date

Record Updated By
Initials: slgiii
Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original -- MC&A
Copies -- SCC and S&HO

OSR 4-711.02(10AM)

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only	Printout Date	5/28/2003
FILE NUMBER	00037	

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M044	Pu-238,Be	N	25	Y

Manufacturer: Monsanto Research
Address: Dayton, Ohio

Model:
Serial:
Use: EIT, Neut
Date Made: 6-14-1968

Original DPM: 2.428458 E 14
Original uCi: 109,390,000
mGram Wt: 6410

WSRC RR #: AX#3935
Purchase Order #:

Status

		*When/where
In Use	☐	
*Disposed	☐	
Storage	☐	
Lost	☐	
Storage/ Not Needed	☒	

Description Of Material
Record equipment name and serial number below.
Check box if source is installed in an instrument ☐

Pu-Be source in 304 double SS double can. .625" dia. x 13.42" in length. The purchase order for this source is dated 06-20-68.
DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location

Bldg	321
Area	M
Rm	SW Corner

Decay Correct Date:
Decay Correct Value (uCi):

Nuclide	Plutonium- - 238
Half life	87.7
Alpha	5.4990
Beta	None
Gamma	0.1000

Energies listed in MeV

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng.
Gary, Sammie L. III (Sam)	704-C, Rm 131	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng.

SECTION B — INVENTORY STATUS

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐
RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, Inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Inventoried by (First)	Inventoried by (Last)	Date Inventoried
Sammie	Gary	5/28/03

Next Inventory Due Date: Month 11 / Day 28 / Year 2003

SECTION C — LEAK TEST

RADIOACTIVE SOURCE LEAK TEST

Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒
RSCC Exemption Letter Number:

Reason for Performing Leak Test

☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other/Explain _____ RSLS#:

Leak Test Performed On
☐ Source
☐ Source Device
☐ Source Container
☐ Other _____

Test Method
☐ Dry Paper Disk
☐ Water Sample
☐ Wet Paper Disk (Alcohol, etc., direct to count)

Leak Test Results

Alpha		dpm
Beta-Gamma		dpm
Total		dpm

Radiation Intensity

Extremity @ 5cm		mrem/hr
Skin @ 30cm		mrem/hr
Whole Body @ 30cm		mrem/hr

Leak Test Performed by RCI (First) (Last) Date Tested:

Next Leak Test Due Date: Month / Day / Year

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S. L. Gary 5-28-2003
SCC Signature/Date

Record Updated By
Initials: slgiii
Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original – MC&A
Copies – SCC and S&HO

Accountable Sealed Radioactive Source Data Sheet

RSCC Office Use Only | Printout Date: 5/28/2003

FILE NUMBER: 00038

SECTION A

Source ID Number	Symbol	NIST	Acct Sealed Source Limit (uCi)	MC&A Accountable NM*
M045	Pu-238,Be	N	25	Y

Manufacturer:

Address:

Model:

Serial:

Use: EIT, Neut

Date Made: 6-14-1968

Original DPM: 3.368184 E 14

Original uCi: 151,720,000

mGram Wt.: 8890

WSRC RR #:

Purchase Order #:

Status

	*When/where
In Use	
*Disposed	
Storage	
Lost	
Storage/ Not Needed	☒

Description Of Material

Record equipment name and serial number below.

Check box if source is installed in an instrument: ☐

Pu-Be source in 304 SS double Can, .625" dia. x 16.0" in length. The purchase order for this source is dated 06-20-68.

DuPont supplied the Pu-238 material for the manufacturing of this source. Calibration

Source Location

Bldg: 321

Area: M

Rm: SW Corner

Decay Correct Date:

Decay Correct Value (uCi):

Nuclide	Plutonium- - 238
Half life	87.7
Alpha	5.4990
Beta	None
Gamma	0.1000

Energies listed in MeV

Custodian (Last, First)	Site Address	Phone	Division	Department	Date of Trng.
Gary, Sammie L. III (Sam)	704-C, Rm. 31	7-6780	EFD	EFM	10/2/2001
Alternate (Last, First)	Site Address	Phone	Division	Department	Date of Trng.
				:	

SECTION B — INVENTORY

Inventory Status

Source to be Inventoried? Yes ☒ No ☐ If No, check why: Inaccessible ☐ Unsafe for human entry ☐

RSCC Exemption Letter Number:

Per WSRC Manual 5Q1.1 Procedure 502, Inventory verified the presence, adequacy, and accuracy of the source: 1) physical location 2) associated postings and labels, and 3) storage locations, containers, and devices.

Inventoried by (First)	Inventoried by (Last)	Date Inventoried
Sammie	Gary	5/28/03

Next Inventory Due Date: Month 11 | Day 28 | Year 2003

SECTION C — LEAK TEST

Radioactive Source Leak Test

Leak test is performed by RCI in accordance with WSRC Manual 5Q1.2 Procedure 115

Source to be Leak Tested? Yes ☐ No ☒ If No, check why: Inaccessible ☐ Unsafe for human entry ☐ Removed from service ☒

RSCC Exemption Letter Number:

Reason for Performing Leak Test

☐ Routine ☐ Suspected Damage ☐ Receipt ☐ Other /Explain _____ RSLS#:

Leak Test Performed On	Test Method	Leak Test Results			Radiation Intensity		
☐ Source	☒ Dry Paper Disk	Alpha		dpm	Extremity @ 5cm		mrem/hr
☐ Source Device	☐ Water Sample	Beta-Gamma		dpm	Skin @ 30cm		mrem/hr
☐ Source Container	☐ Wet Paper Disk (Alcohol, etc., dried to count)	Total		dpm	Whole Body @ 30cm		mrem/hr
☐ Other _____							

Leak Test Performed by RCI

(First)	(Last)	Date Tested

Next Leak Test Due Date: Month | Day | Year

I have examined all of the data for the Radioactive Source listed. I understand that this Document is a record indicating that I have provided all of the information that has been requested.

S. L. Gary 5-28-2003

SCC Signature/Date

Record Updated By

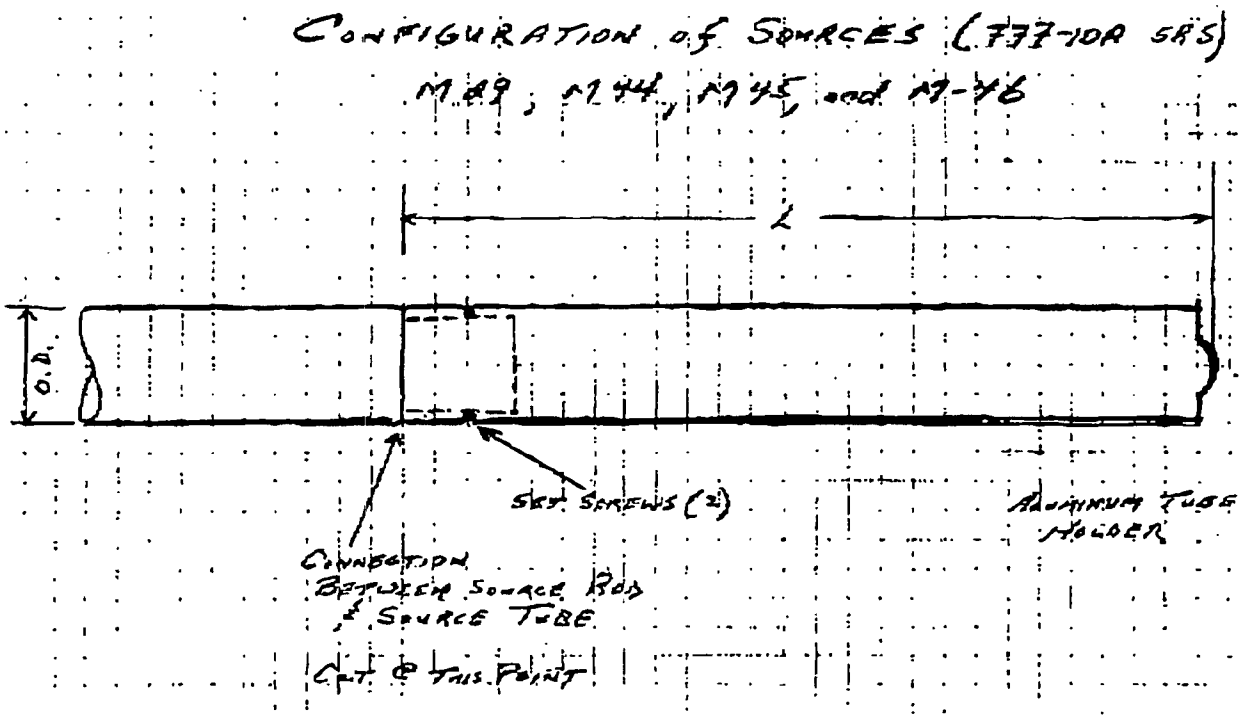
Initials: slgiii

Date: 5/28/2003

*MC&A Accountable NM: If source value is above MC&A nuclear material threshold limits as listed in Procedure 502, Mark "YES"

Distribution: Original – MC&A
Copies – SCC and S&HO

Capsule #	M-29	M-44	M-45
Outer Capsule			
Outside Diameter	0.625	0.625	0.625
Wall	0.032	0.032	0.032
Calc. ID	0.561	0.561	0.561
Inside Length	24.010	13.430	16.010
Plug Thickness	0.090	0.090	0.090
Plug Diameter	0.561	0.561	0.561
Plug metal volume	0.247	0.247	0.247
Calc.outside length	24.190	13.610	16.190
Vol. metal capsule	1.442	0.811	0.965
Total metal volume	1.689	1.059	1.212
Inner Capsule			
Outside Diameter	0.558	0.558	0.558
Wall	0.026	0.026	0.026
Calc. ID	0.506	0.506	0.506
Inside Length	24.000	13.420	16.000
Plug Thickness	0.090	0.090	0.090
Plug Diameter	0.506	0.506	0.506
Plug metal volume	0.201	0.201	0.201
Calc.outside length	24.180	13.600	16.180
Vol. metal capsule	1.051	0.591	0.703
Total metal volume	1.252	0.792	0.904
Total metal volume cubic inches	2.941	1.851	2.117
Total metal volume cubic centimeters	48.196	30.326	34.684
Density iron (grams/cc)	7.86	7.86	7.86
mass of metal capsules (grams)	378.82	238.36	272.61
Aluminium Sleeve/Holder			
OD per field measurement (inch)	0.830	0.830	0.830
Length to rod connection (inch)	23.830	18.000	15.250
ID assume inner capsule OD 0.625	0.650	0.650	0.650
Wall thickness calculated	0.28	0.28	0.28
Volume Al metal in sleeve	4.944	3.766	3.191
Volume Al metalend cap (2)	0.186	0.186	0.186
Total volume Al metal cubic inches	5.130	3.952	3.377
Volume Al cubic centimeters	84.065	64.761	55.332
density of Al grams/cubic centimeter	2.71	2.71	2.71
Total weight of the Al	227.82	175.50	149.95
Stainless final Capsule			
OD per design	2.00	2.00	2.00
ID per design	1.00	1.00	1.00
Wall thickness	0.25	0.25	0.25
Length	24.75	18.00	18.25
Estimated Volume (solid) cubic inches	77.75	59.69	51.05
Estimated Volume (void) cubic inches	19.24	14.73	12.57
Net metal volume cubic inches	58.51	44.96	38.48
Net metal volume cubic centermenters	958.78	736.78	630.61
Iron density (gram /cc)	7.86	7.86	7.86
Total capsule mass	7536.04	5791.12	4956.59
pounds	16.60	12.76	10.92



RADIOACTIVE SOURCE HOLDERS - 777-10A
4/24/02

	Length per Field Data		O. D. per Field Data		Mfg. SFC to Following Specs	
	in.	mm	in.	mm	Length, in.	O.D., in. (Standard)
M-28	23.63	600.08	0.83	21.17	24.75	1
M-44	18.00	457.20	0.85	21.62	19.00	1
M-45	15.25	387.35	0.83	21.15	16.25	1
M-46	12.00	304.80	0.83	21.15	13.00	1

O. D. diameter was made using a laser type micrometer inserted in the shielding block.

Length was made using a standard issue tape measure and read via a remote camera.

SFC's have a standard 1 in. I. D. hole

An 1 in. min. allowance will be added to each length to allow for cutting source tube from source holder in the field.

WRC/ddf/rwske 1 of 2 4/25/02

Pu-238/Be Source Information				
		Physical Size		
Serial Number	Mfg	Diameter	Length	Mfg Date
MRPU8BE29	MRC	0.6 in.	24 in.	12/31/1966
MRPU8BE44	MRC	0.6 in.	13.4 in.	12/31/1966
MRPU8BE45	MRC	0.6 in.	16 in.	12/31/1966
MRPU8BE46	MRC	0.6 in.	10.1in.	12/31/1966
MRPU8BE47	MRC	0.6 in.	9.54 in.	12/31/1966

Serial No.	Source Diameter (inches)	Source Length (inches)	Date of Manufacture	Curies	Grams	SFC Length (inches)	Shipping Container
MRPU8BE29	0.83	23.63	12/31/1966	44.75	3.40	28.00	
MRPU8BE44	0.85	18	12/31/1966	16.58	1.26	22.50	One SWB
MRPU8BE45	0.83	15.25	12/31/1966	22.90	1.74	19.75	
MRPU8BE46	0.83	12	12/31/1966	13.80	1.05	16.50	12" POC
MRPU8BE47A	0.375	6.75	12/31/1966	3.29	0.25	10.25	12" POC
MRPU8BE47B	0.375	9.5	12/31/1966	Unknown	Unknown	13.00	12" POC
MRPU8BE295	1	10	10/2/1975	21.32	1.52	12.50	12" POC
MRPU8BE296	1	10	10/2/1975	18.52	1.32	12.50	12" POC

Preliminary Packaging Plan

1. **Encapsulation:**
   The 8 sources will be placed into special form capsules on site. The team will investigate whether sources 47A and 47B will fit side by side into the 13" SFCs. If they fit, one less POC will be necessary. If separate SFCs are necessary, some estimation of the activity of 47B must be made and etched on the capsule.

2. **Packaging:**

   Note: Dose rates on loaded 12" POCs will be limited to 155 mrem/hr on contact. The contents of any container that exceeds this value will be repackaged into a 6" POC. Dose rates on loaded 6" POCs will be limited to 200 mrem/hr.

   Following encapsulation into LANL SFCs, the 8 Pu-238/Be sources will be packaged into five 12" POC assemblies and one standard waste box (SWB) as indicated in the table above. If sources 47A and B fit into one SFC, one less POC will be necessary. Dose rates will be measured on the 12" POCs to assure that the 155 mrem/hour dose rate limit is not exceeded. If any measured dose rates exceed the limit, the alternative plan is to package sources in 6" POCs as necessary. The POCs will be direct shipped to LANL with subsequent transfer to TA-54. The SWB will be stored at SRS until it is approved for sealed source disposal at WIPP.

REQUIRED MATERIALS AND EQUIPMENT

Materials / Equipment	Description
Radiation Detection and Measurement Equipment (list equipment serial number and calibration verification)	SRS is in charge of radiation protection for this recovery.

Project					Calculation No.				
777-10A					N-CLC-A-00054				
Subject: Hazard Categorization and Pu-Be Sources					Sheet No. 4				
Rev	Originator	Date	Checker	Date	Rev	Originator	Date	Checker	Date
A	TJ Feske	6/21/01	J.W. Lee	6/21/01					

SOURCE CAPSULE GEOMETRY

References 1 and 2 describe the geometry of the source capsules as a sealed cylinder inside another sealed cylinder, as shown in Figure 1 below:

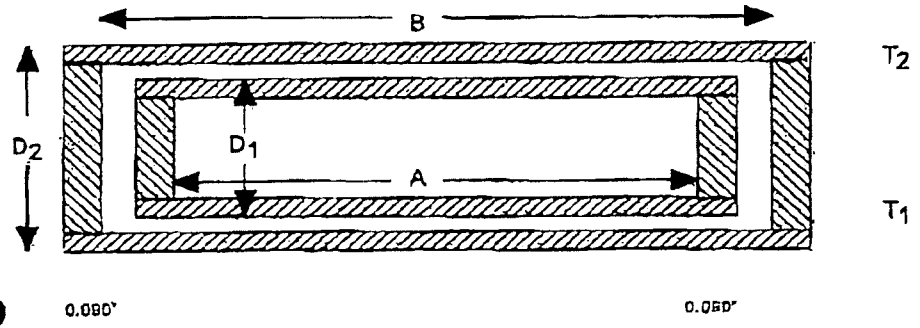


Figure 1 (Not to Scale)

Internal Volume of Outer Cylinder

The dimensions of the outer cylinder for each source are as shown below.

SOURCE ID	D2 (in)	D2 (cm)	B (in)	B (cm)	T2 (in)	T2 (cm)	I.D. (in)	I.D. (cm)
M-28	0.625	1.588	24.01	60.99	0.032	0.080	0.562	1.427
M-44	0.625	1.588	13.43	34.11	0.032	0.080	0.562	1.427
M-45	0.625	1.588	16.07	40.87	0.032	0.080	0.562	1.427
M-46	0.625	1.588	10.11	25.68	0.032	0.080	0.562	1.427
M-47	0.375	0.953	9.55	24.26	0.019	0.048	0.337	0.856

Note: 1. Numbers in italics are from Reference 2
2. T2 and ID for M-47 are assumed - see discussion below.

Reference 2 does not show the proper sketch for M-47, so the wall thicknesses and clearances will have to be assumed.

Assumption

The smaller diameter capsules are scaled down proportionally in the same ratio as the larger. Consequently, since the wall thickness for the larger outer cylinder is 0.032/0.625 = 0.05 times the O.D., the same 0.05 ratio is applied to the OD of the M-47 outer cylinder.

009 05/10/05 17:00 FAX 803 725 4747 SRMSRC 5-13-05; 3:33AM;

Radioactivity/Fissile Content

The 5 neutron sources were manufactured at the Mound Facility circa 1965. Current radioactivity/fissile inventories are constructed based on original inventory records and radiation level measurements data together with calculation using ORIGEN-2 and MCNP-4B computer codes. They are summarized in Tables 1 and 2 below. There is a reasonable agreement between measured dose rate and calculated dose rate, hence time-dependent radionuclide distribution used in this evaluation is considered valid.

Table 1 Mass of Pu and Be

	M29	M44	M45	M46	M47	Total
Be(gram)	60	39.52	47.24	29.64	6.048	182.448
Pu(gram)	17.22	6.41	8.89	5.42	1.29	39.23

Pu238/Be Sources In 777-10A

Attachment 1; Pu-Be Source Terms

Nuclide	Fraction	Mass (gram) M29	M44	M45	M46	M47	Total Pu/uranium (gram)	(curies)	A1 (Ci)
He4	7.999E-04								
U234	4.422E-02								
Np237	1.657E-03								
Pu238	1.510E-01	2.9E+00	1.1E+00	1.5E+00	9.1E-01	2.2E-01	6.6E+00	1.1E+02	54.1
Pu239	6.254E-01	1.2E+01	4.4E+00	6.2E+00	3.8E+00	8.9E-01	2.7E+01	1.7E+00	54.1
Pu240	1.026E-01	2.0E+00	7.3E-01	1.0E+00	6.2E-01	1.5E-01	4.5E+00	1.0E+00	54.1
Pu241	1.327E-02	2.5E-01	9.4E-02	1.3E-01	8.0E-02	1.9E-02	5.8E-01	6.0E+01	1080
Pu242	9.999E-03	1.9E-01	7.1E-02	9.9E-02	6.0E-02	1.4E-02	4.3E-01	1.7E-03	54.1
Am241	5.004E-02								
Pu total	9.023E-01								
Sum	9.990E-01						3.9E+01	1.7E+02	
Be(gram)		60	39.52	47.24	29.84	6.048	182.448		
Pu(gram)		17.22	6.41	8.89	5.42	1.29	39.23		

1. Pu tranportation in excess of 20 curies per package shall use DOE approved packaginge
2. Single parameter water-reflected critical mass of Pu239 is 450 gram, Pu241 is 200 gram
3. For encapsulated Pu-Be source, A1 quantity of Pu may be present (as type A)

Tranport Index for criticality = 0.026*(total Pu mass-16)
Trans Idx= 5.0E-01 (less than 10)

Pu Curie Content

	M29	M44	M45	M46	M47	Sum	A1
Pu238	4.9E+01	1.8E+01	2.5E+01	1.5E+01	3.7E+00	1.1E+02	54.1
Pu239	7.3E-01	2.7E-01	3.8E-01	2.3E-01	5.5E-02	1.7E+00	54.1
Pu240	4.4E-01	1.6E-01	2.3E-01	1.4E-01	3.3E-02	1.0E+00	54.1
Pu241	2.6E+01	9.7E+00	1.4E+01	8.2E+00	2.0E+00	6.0E+01	1080
Pu242	7.5E-04	2.8E-04	3.9E-04	2.4E-04	5.6E-05	1.7E-03	54.1
Total Ci	7.7E+01	2.9E+01	4.0E+01	2.4E+01	5.7E+00	1.7E+02	

Fractional Sum

Pu238	9.120E-01	3.4E-01	4.7E-01	2.8E-01	6.8E-02	2.1E+00
Pu239	1.953E-02	5.0E-03	7.0E-03	4.3E-03	1.0E-03	3.1E-02
Pu240	8.166E-03	3.0E-03	4.2E-03	2.6E-03	6.1E-04	1.9E-02
Pu241	2.422E-02	8.9E-03	1.3E-02	7.6E-03	1.8E-03	5.5E-02
Pu242	1.385E-05	5.2E-06	7.1E-06	4.4E-06	1.0E-06	3.2E-05
Sum	9.579E-01	3.6E-01	4.9E-01	3.0E-01	7.2E-02	2.2E+00

03/10/05 TUE 17:01 FAX 803 725 4747 BEWSRC 011
5- 3-05; 7:43AM ; 803 725 7800;# 13

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: U001
Waste Stream Number(s): SR-RH-SDD.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ DR - Discrepancy Resolution ☐ P - Published procedures and reports ☑ U - Unpublished documents
Title or Description of Source Document [a]: Container Paperwork for Waste Stream SR-RH-SDD.01	
Source Document Reference Information (author(s), document and revision number, date, publisher): OSR 29-90, Revision: NA, Date: Various	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR2, PR3, PR4, PR5, PR6, PR7, WS1, WS2, WS3, WS8, WS9, WS10, WS11, WS12, S4, S8, S9, S15, S16	Throughout	This document consists of container paperwork for source containers in Waste Stream SR-RH-SDD.01. This document includes waste generation information, as well as radiological, waste material parameter, and packaging information.

NTPC RECORDS ORIGINAL
DATE REC'D 9/9/13

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: U001

Source Document Data Limitations (if any):

1. Currently includes only the 29-90s for SWBs that the sources are currently stored in.

Acceptable Knowlege Expert:

Kevin J. Peters / [signature] Date: 7/2/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Based on OSR 29-90#
(REV 4-5-2005)
Page 1 of 3

(4)

Transuranic Waste Container Characterization Form

Generator Data

Date	Generator Facility/Location	Generator Organization	Form Completed By
1/17/2007	Site D&D Facility/P-AREA	CLOSURE BUSINESS UNIT	NITIN BHATT

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

C. A. Bishop, Jr.	(803) 952-4306	707-F
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type
(Check One) ☑ TRU ☐ Mixed TRU
(Check One) ☐ Routine Waste ☑ Special Generation

☐ CERCLA ☑ Beryllium
39.52 Beryllium Quantity
G Units

☐ Waste Incidental To Reprocessing (WIR) Evaluation
Document No.

Waste Name
M044 Neutron source (Pu 6.41 g. / Be 39.52 g)

Process Generating Waste
Used in building 777-10A

Container ID Number
SDD076308

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☐ 55-gal Drum without Liner ☑ Standard Waste Box ☐ Other

Deviation Request Number: SWMD-RFD-2007-0002

Shielding Used ☐ No ☑ Yes (Specify) The source is incapsulated in a special form capsule which is surrounded by poly beads in a SWB. Dose rate 300 mR/hr @ contact SFC.

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
1600.00	640.00		1/17/2007	0

Vent Identification Numbers (Both External and Interior Vents)
GD-2372, GD-2381, E199 & E214

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
5.5	4.5
Smearable Contamination (dpm/100 cm2)	Neutron Dose (mrem/hr)
☑ Meets requirements of <20 alpha and <200 beta/gamma	3 distance (cm) 5

Special Generation Comments:
This neutron source (Pu/Be) was manufactured at the Mound facility circa 1968. The source is placed in a special form container surrounded by poly beads and is located in a standard waste box.

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
This neutron source was received in 777-10A in 1968 and was used in support of research work done for SRS. It contains Beryllium 39.52 g. and Plutonium 6.41 g. The source is encapsulated in a special form capsule which is surrounded by poly beads in SWB.

Container ID Number SDD076308

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys	Stainless steel capsule	0.83
Aluminum based metals/alloys	Aluminum sleeve	0.02
Other metals	Beryllium source	0.01
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)		0.00
Organic matrix	Poly beads	59.14
Inorganic matrix		0.00
Soils		0.00
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	Standard Waste Box	40.00
Plastic packaging materials		0.00
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		

Container ID Number SDD076308

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)

Refer to page 9 of document number FDD-ENG-2001-00153, Rev. 0

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	1.1000E+00	N/A	1.1000E+00
239Pu	4.4000E+00	N/A	4.4000E+00
240Pu	7.3000E-01	N/A	7.3000E-01
241Pu	9.4000E-02	N/A	9.4000E-02
242Pu	7.1000E-02	N/A	7.1000E-02
241Am	N/A	N/A	N/A
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	6.3950E+00	0.0000E+00	6.3950E+00

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
4.7528E+00	1.9475E+01	2.1989E+00	6.4443E-01	1.7937E+01	2.9251E+01	1.9470E+01

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	N/A	Ru-106	N/A	Cs-137	N/A	other α	N/A

Other Radionuclide Comments:

Based on OSR 29-90#
(REV 4-5-2005)
Page 1 of 3

(4)

Transuranic Waste Container Characterization Form

Generator Data			
Date 1/18/2007	Generator Facility/Location Site D&D Facility/P-AREA	Generator Organization CLOSURE BUSINESS UNIT	Form Completed By NITIN BHATT

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

C. A. Bishop, Jr.	(803) 952-4306	707-F
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type
(Check One) ☑ TRU ☐ Mixed TRU
(Check One) ☐ Routine Waste ☑ Special Generation

☐ CERCLA ☑ Beryllium
47.24 (Beryllium Quantity) G (Units)

☐ Waste Incidental To Reprocessing (WIR) Evaluation
Document No.

Waste Name
M045 (Be 47.24 g and Pu 8.89 g,) Neutron source.

Process Generating Waste
Used in building 777-10A

Container ID Number
SDD076309

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☐ 55-gal Drum without Liner ☑ Standard Waste Box ☐ Other

Deviation Request Number: SWMD-RFD-2007-0002

Shielding Used ☐ No ☑ Yes (Specify) The source is incapsulated in a special form capsule which is surrounded by poly beads in a SWB. Dose rate 500 mR/hr @ contact SFC.

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
1650.00	640.00		1/17/2007	0

Vent Identification Numbers (Both External and Interior Vents)
GD-2384, GD-2379, GD-288 & E-194

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
20	14.5
Smearable Contamination (dpm/100 cm2) ☑ Meets requirements of <20 alpha and <200 beta/gamma	Neutron Dose (mrem/hr) 10 distance (cm) 5

Special Generation Comments:
The neutron source (Pu/Be) was manufactured at the Mound Facility circa in 1968. The source is placed in special form container surrounded by poly beads and is located in a standard waste box.

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
This neutron source was received in 777-10A in 1968 and was used in support of the research work done for SRS. It contains Berrylium (47.24 g) and Plutonium (8.89 g.). The source is encapsulated in a special form capsule which is surrounded by poly beads in a SWB.

Container ID Number SDD076309

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys	Stainless steel capsule	0.70
Aluminum based metals/alloys	Aluminum sleeve	0.02
Other metals	Beryllium source	0.01
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)		0.00
Organic matrix	Poly beads	60.49
Inorganic matrix		0.00
Soils		0.00
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	Standard Waste Box	38.78
Plastic packaging materials		0.00
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		

Container ID Number SDD076309

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)

Refer to page 9 of document number FDD-ENG-2001-00153, Rev. 0

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	1.5000E+00	N/A	1.5000E+00
239Pu	6.2000E+00	N/A	6.2000E+00
240Pu	1.0000E+00	N/A	1.0000E+00
241Pu	1.3000E-01	N/A	1.3000E-01
242Pu	9.9000E-02	N/A	9.9000E-02
241Am	N/A	N/A	N/A
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	8.9290E+00	0.0000E+00	8.9290E+00

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
6.6853E+00	2.6570E+01	2.9999E+00	8.7919E-01	2.4476E+01	4.0090E+01	2.6568E+01

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	N/A	Ru-106	N/A	Cs-137	N/A	other α	N/A

Other Radionuclide Comments:

(4)

Transuranic Waste Container Characterization Form

Generator Data			
Date 1/17/2007	Generator Facility/Location Site D&D Facility/P-AREA	Generator Organization CLOSURE BUSINESS UNIT	Form Completed By NITIN BHATT

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

C. A. Bishop, Jr.	(803) 952-4306	707-F
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type
(Check One) ☑ TRU ☐ Mixed TRU
(Check One) ☐ Routine Waste ☑ Special Generation

☐ CERCLA ☑ Beryllium
60.00 Beryllium Quantity
G Units

☐ Waste Incidental To Reprocessing (WIR) Evaluation
Document No.

Waste Name
M029 (Be 60 g. and Pu 17.22 g) Neutron source

Process Generating Waste
Used in building 777-10A

Container ID Number
SDD076307

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☐ 55-gal Drum without Liner ☑ Standard Waste Box ☐ Other

Deviation Request Number: SWMD-RFD-2007-0002

Shielding Used ☐ No ☑ Yes (Specify) The source is incapsulated in a special form capsule which is surrounded by poly beads in a SWB. Dose rate 850 mR/hr @ contact SFC.

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
1700.00	640.00		1/17/2007	0

Vent Identification Numbers (Both External and Interior Vents)
GD-2374, GD-2373, GD-2376, & E195

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
65	49
Smearable Contamination (dpm/100 cm2) ☑ Meets requirements of <20 alpha and <200 beta/gamma	Neutron Dose (mrem/hr) 40 distance (cm) 5

Special Generation Comments:
This neutron (Pu/Be) source was manufactured at the Mound Facility circa 1965. The source is placed in a special form container and surrounded by poly beads and is located in a standard waste box .

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
This Neutron source was received in 777-10A in 1967 and was used in support of the research work done for SRS. It contains Berrylium 60 g. and Plutonium 17.22 g. The source is incapsulated in a special form capsule which is surrounded by poly beads in a SWB.

Container ID Number SDD076307

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys	Stainless steel capsule	1.03
Aluminum based metals/alloys	Aluminum sleeve	0.03
Other metals	Beryllium Source	0.01
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)		0.00
Organic matrix	Poly beads	61.29
Inorganic matrix		0.00
Soils		0.00
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	Standard Waste Box	37.64
Plastic packaging materials		0.00
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		

Container ID Number SDD076307

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)

Refer to page 9 of document number FDD-Eng-2001-00153, Rev.0

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	2.9000E+00	N/A	2.9000E+00
239Pu	1.2000E+01	N/A	1.2000E+01
240Pu	2.0000E+00	N/A	2.0000E+00
241Pu	2.5000E-01	N/A	2.5000E-01
242Pu	1.9000E-01	N/A	1.9000E-01
241Am	N/A	N/A	N/A
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	1.7340E+01	0.0000E+00	1.7340E+01

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
1.2937E+01	5.1386E+01	5.8016E+00	1.7003E+00	4.7334E+01	7.7386E+01	5.1378E+01

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	N/A	Ru-106	N/A	Cs-137	N/A	other α	N/A

Other Radionuclide Comments:

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P002
Waste Stream Number(s): SR-RH-SDD.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ DR - Discrepancy Resolution ☑ P - Published procedures and reports ☐ U - Unpublished documents
Title or Description of Source Document [a]: Decommissioning the Physics Laboratory, Building 777-10A, at the *Savannah River Site (SRS)*	
Source Document Reference Information (author(s), document and revision number, date, publisher): Savannah River Site, WSRC-MS-2007--00009, Rev. N/A, Date: 2007	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR2, PR3, PR4, WS2, WS4, WS5, WS7, S5	Thorughout	Page 1 provides a facility description: Building 777-10A was built in 1953 and was approximately 48,000 square feet. There were two main areas - the west wing, which housed four experimental reactors and associated equipment; and an east wing, which housed laboratories, shops, and offices. The reactors were located in two separate areas: one housed the Process Development Pile (PDP) reactor and the Lattice Test Reactor (LTR), which the second area housed the Standard Pile (SP) and the Subcritical Experiment (SE) reactors. Page 2 The west wing had six levels: three below and three above grade. The east wing had two levels: one below and one above grade. Includes maps and photos of the building.

Source Document Data Limitations (if any):

1. Limited specific process information in document.

Acceptable Knowlege Expert:

Kevin J. Peters , Date: 7/2/2013
Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/9/13

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DECOMMISSIONING THE PHYSICS LABORATORY, BUILDING 777-10A, AT THE SAVANNAH RIVER SITE (SRS)

John C. Musall
Jeff L. Cope

Washington Savannah River Company
Savannah River Site
Buildings 706-20C
Aiken, South Carolina 29802

SRS recently completed a four-year mission to decommission ~250 excess facilities. As part of that effort, SRS decommissioned a 48,000 ft^2 laboratory that housed four low-power test reactors, formerly used by SRS to determine reactor physics. This paper describes and reviews the decommissioning, with a focus on component segmentation and handling (i.e. hazardous material removal, demolition, and waste handling). The paper is intended to be a resource for engineers, planners, and project managers who face similar decommissioning challenges.

I. INTRODUCTION

SRS recently completed a four-year effort to decommission approximately 250 excess facilities. This effort included the Physics Laboratory, Building 777-10A. Completed in March 2006, its decommissioning was the last in a series of decommissioning projects that prepared the lower A/M-Area for SRS's environmental restoration program. The decommissioning also marked the completion of a relatively complex and difficult decommissioning project undertaken at SRS.

II. BACKGROUND

Building 777-10A, located at the south end of SRS's A/M-Area, was built in 1953 and had a gross area of ~48,000 ft^2. Building 777-10A had two main areas: a west wing, which housed four experimental reactors and associated equipment; and an east wing, which housed laboratories, shops and offices. The reactors were located in two separate areas: one area housed the Process Development Pile (PDP) reactor and the Lattice Test Reactor (LTR), while the second area housed the Standard Pile (SP) and the Sub-critical Experiment (SE) reactors. See Figure 1 for a building photo and see Figure 2 for a building cross-section.

The west wing had six levels: three below and three above grade (floor elevations of -37', -28', -15', 0', +13'/+16' and +27' (roof elevation of +62')), while the east wing had two levels: one below and one above grade (floor elevations of -15' and 0' (roof elevation of +16')). Below-grade exterior walls were constructed of reinforced concrete, ~1' thick. In general, above-grade exterior walls were steel frames covered by insulation and corrugated, asbestos-cement board. The two interior walls around the PDP/LTR were reinforced concrete ~5' thick and ~30' high, while the SP/SE reactors resided in a reinforced concrete cell with 3.5'-6' thick walls/roof. All other interior walls were constructed of metal studs covered with either asbestos-cement or gypsum board. In general, the floors were constructed of reinforced concrete on cast-in-place concrete beams below grade and concrete on metal beams above grade. The roofs were flat concrete slabs on metal beams.

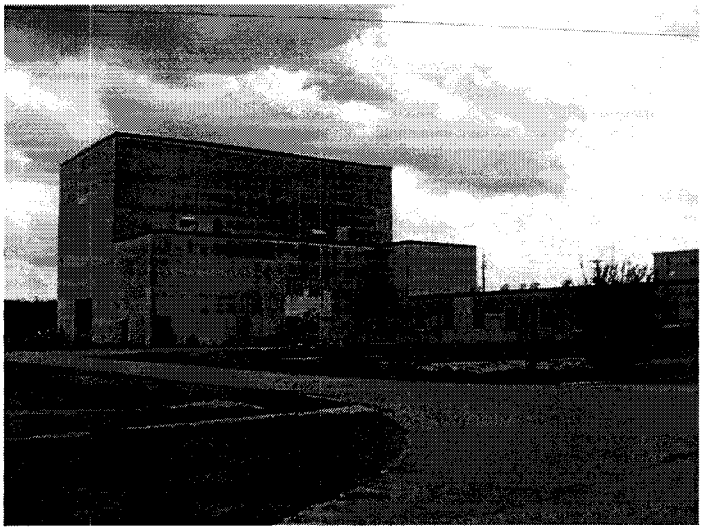

FIGURE 1 – Building 777-10A

Building 777-10A was an important SRS research and development location. The reactors helped determine safe operational limits and loading patterns for fuel used in the SRS production reactors, and supported various low-power reactor physics studies. All four reactors were shut down and de-inventoried in the 1970's. The building was subsequently used by various SRS organizations for office space, an audio/visual studio, and a computer network hub.

III. DISCUSSION

III.A. Overall Strategy and Schedule

SRS's demolition strategy was to minimize manual dismantlement and removal (D&R) and maximize heavy equipment use (e.g. excavator with shear attachment). Heavy equipment use was preferred because it distanced personnel from fall hazards and negated hazards associated with hand tools and rigging of components. Some manual D&R could not be avoided. Building 777-10A was radiologically and chemically contaminated due to past operations. Additionally, the building contained various hazardous materials of construction. To prevent their dispersion during heavy equipment demolition, SRS decided early in the decommissioning planning process to first remove (or to stabilize) the contaminants and hazardous materials.

Most of the west wing exceeded 40', the maximum working height for SRS's heavy equipment. Building 777-10A also had relatively weak below-grade walls, which prevented soil loading (i.e. placement of heavy equipment) at the basement rim. (See Figure 3 for a layout of the building along with standoff distances.) Due to lack of reach, available SRS equipment alone could not perform the needed demolition. To reduce the building's height, SRS considered explosives and pullover. For various reasons, SRS decided to lease a long-reach excavator with a shear attachment: a modified John Deere excavator (Model JD 750) outfitted with a special three-piece boom/arm giving a ~50' horizontal and ~100' vertical reach. The thick concrete walls also exceeded the capability of SRS's heavy equipment. For their demolition, SRS leased a Komatsu excavator (Model PC750) with a large (6") diameter hydraulic ram.

The project took approximately 30 months (June 2004 to March 2006). Early tasks included characterization, planning, and regulatory approval. Actual field work (i.e. deactivation) began in earnest in early 2005 and continued through November 2005. Demolition occurred from November 2005 through February 2006, followed by final filling in March 2006.

III.B. Preparation for Demolition (I.e. Deactivation)

Using primarily hand tools for segmentation/decontamination and man lifts/scaffolds for access, SRS removed contaminants and hazardous materials throughout the building. This removal addressed the following components and/or contaminants:

- Contaminated ductwork, piping, vessels, floors, and sumps
- Fluorescent/incandescent bulbs
- Lead-acid batteries
- Mercury switches/thermometers
- PCB ballasts/paints
- Beryllium
- Brass valves/fittings
- Oil-filled elevator hydraulic cylinder
- Asbestos siding, panels, insulation, tiles and mastic

Due to their inaccessible location, some contaminants were stabilized and/or protected, left in place, and recovered after/during demolition. As an example, this approach was applied to the four stainless steel reactor vessels. Because of their size, location and materials of construction, they could not be easily segmented and removed from the building. Instead, the four vessels were sealed, protected and pre-rigged so as to (during demolition) prevent dispersion of contaminants and allow their recovery.

The building's below-grade spaces housed equipment that was unsuitable fill. To access this equipment during demolition, SRS would need to remove the 0' elevation floor using heavy equipment positioned on the -15' elevation floor. To allow safe travel at this elevation, SRS filled all spaces below the -15 elevation with a low-strength grout (~2,700 yd^3 of fill).

III.C. Facility Demolition

Facility demolition occurred in two primary phases: the east wing first, followed by the more difficult and taller west wing. Throughout both phases, standoff distances (see Figure 3) limited equipment position. The standoffs and limited equipment reach forced SRS to install ramps and to partially fill the basement during the demolition. The ramps and partial fill provided a platform for the heavy equipment to reach all parts of the building.

SRS used the following general steps to demolish the building [1]:

Demolish East Wing

1. Demolish above-grade structure
2. Build ramp to -15' elevation on east side
3. Working east-to-west on partial basement fill (and maintaining internal stand offs), demolish 0' elevation floor, and remove equipment

Demolish West Wing

4. Demolish above-grade structure to extent practice, leaving above-grade concrete walls/cell in place
5. Build ramp to -15' elevation on west side
6. Remove PDP and LTR tanks
7. Working on fill and -15' concrete floor (and maintaining internal stand offs), demolish 0' elevation floor to south/west of shield wall, and remove equipment
8. Working on partial basement fill (and maintaining internal stand offs), demolish 0' elevation floor to east of shield wall, and remove equipment (This step and next, use ramp at east end of east wing to access this area.)
9. Working on partial basement fill (and maintaining internal stand offs), demolish 0' elevation floor to north of shield wall, and remove equipment
10. Build ramp to -15' elevation on north side
11. Partially demolish the SP/SE cell, remove reactors
12. Use hydraulic ram to demolish the above-grade concrete walls

III.D. Final Fill

Post demolition, the building's below-grade spaces were partially filled (to approximate elevation of -9') with a tangle of concrete rubble, rebar, coarse gravel and crusher run. Heavy equipment traffic had compacted this fill to some degree; however, the absence of a flat unobstructed surface prevented adequate compaction of the fill. As a result, SRS overfilled the basement, forming a three foot tall berm over the entire building footprint. The added fill was compacted manually or by machine to the extent practical. Weathering over the past year has made little impact on the berm's height or flatness.

IV. CONCLUSIONS

SRS successfully deactivated and decommissioned Building 777-10A over a thirty-month period at a cost of ~$13M (~$290/ft^2). The effort was complex and difficult due to the building's radiological contamination, height, extensive basement and thick concrete walls. Extensive planning and extensive hazard analysis (e.g. of structural loads/modifications leading to unplanned collapse) ensured the deactivation and decommissioning was completed safely and without incident. The project met contract standards for residual contamination and physical/chemical hazards, and was the last in a series of projects that prepared the lower A/M-Area for SRS's environmental restoration program.

REFERENCES

1. W. E. AUSTIN, J. L. COPE and A. L. MECKLEY, "Demolition Plan for Building 777-10A," SRS Document No. V-PMP-A-00042, Revision 2, 12/8/05.

2. J. L. COPE, "Decommissioning Project Final Report, 777-10A, Site Utilities Office Facility (Physics Assembly Laboratory)," SRS Document No. V-PCOR-A-00054, Revision 1, 5/4/06.

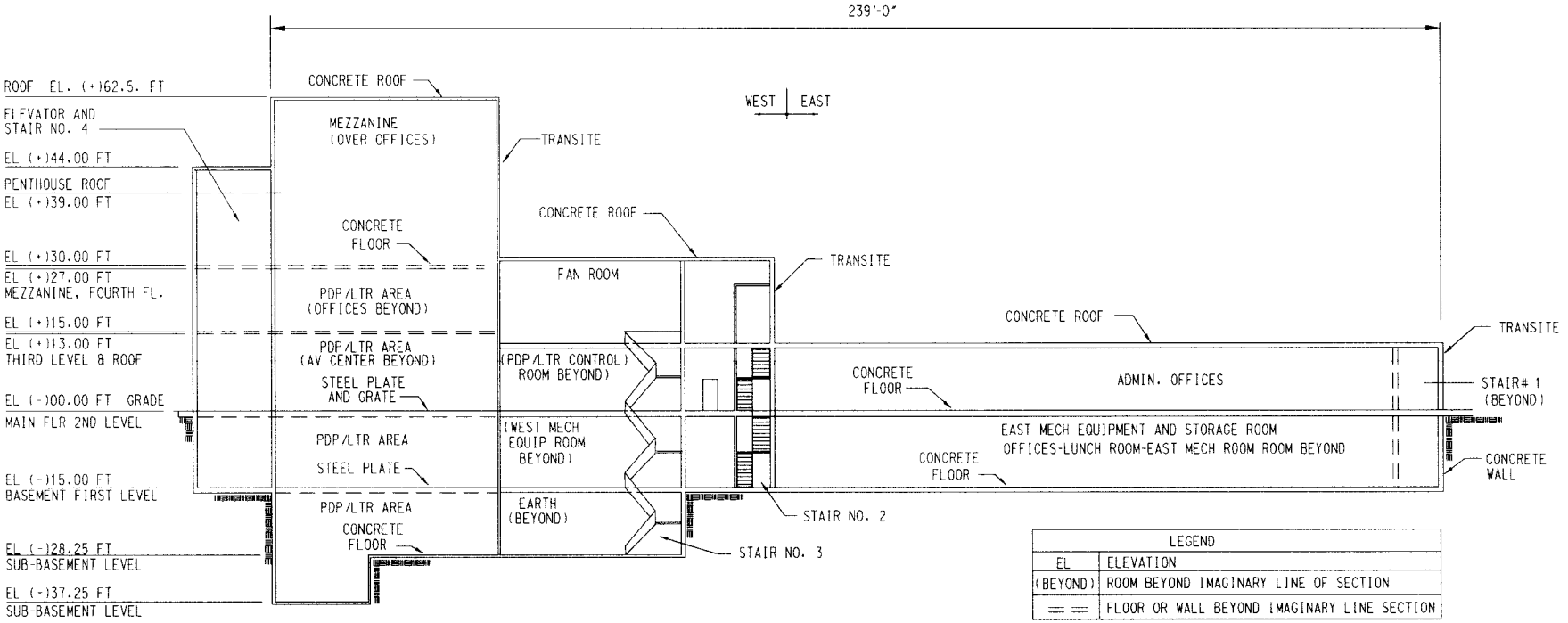

Figure 2 - Longitudinal Cross-Section of Building 777-10A
Looking North
(not to scale)

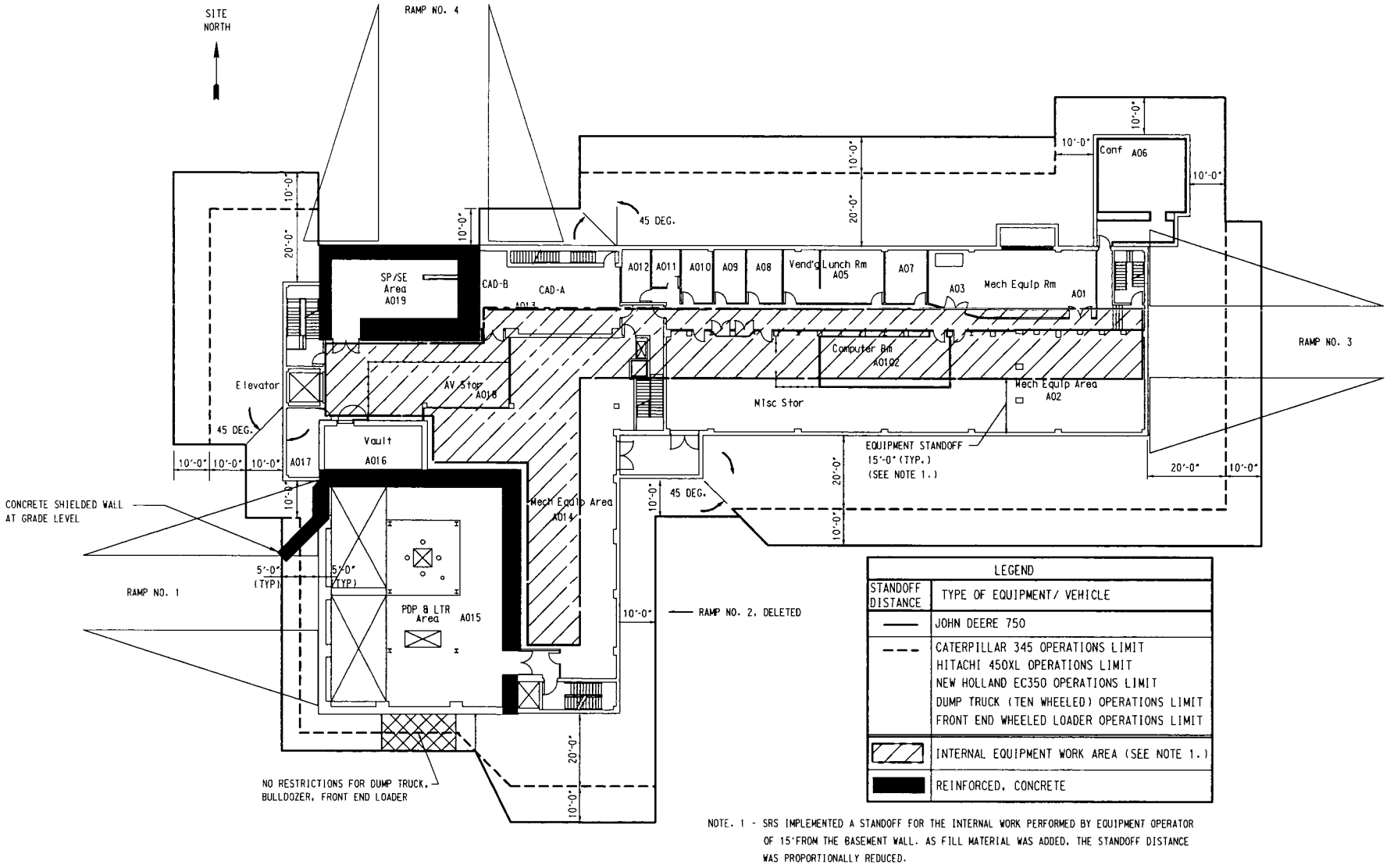

Figure 3 - Layout of Building 777-10A, (-)15'Elevation
(not to scale)

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: P001
Waste Stream Number(s): SR-RH-SDD.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ DR - Discrepancy Resolution ☑ P - Published procedures and reports ☐ U - Unpublished documents
Title or Description of Source Document [a]: Historic American Engineering Record – Physics Assembly Laboratory	
Source Document Reference Information (author(s), document and revision number, date, publisher): New South Associates and Washington Savannah River Company, HAER SC043, Rev. N/A, Date: 2006	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR1, PR2, PR3, PR4, WS2, WS4, WS5, WS7, S5	Thorughout	Page 10 - Description of Building Provides a description of the building. This building was built in1953 Page 2 - Mission The experimental reactos in this building played an important role in the operation of these production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December 1953. In the summer and fall of 1953, the experimental reactors in 777-M were essential for the study of the Savannah River production reactor design and operation, and well as for the calibration of various standards and monitoring devices required by the reactors. Even though this was the most important of the many uses of the building over the years, the building and its experimental reactors were associated with almost every major aspect of the use and improvements made to the Savannah River production reactors from 1953 until the basic perfection of the production process in the 1970s. Page 3 - Mission This continued until the early 1980s when the reactor work was phased out and much of the building was adapted for audio-visual work at Savannah River. Page 3 - Building Description By the 1970s, the building had a total of five experimental reactors: the Process Development Pile (PDP); the Standard Pile (SP); the adjoinging Exponential Pile or Subcritical Experiment (SE), the Pressurized Exponential Pile (PSE); and the Resonance Test Reactor (RTR), which was later renamed the Lattice Test Reactor (LTR). The most important of these were the PDP, the SP, and the SE. Page 58 - Mission The reactor facilities contributed to the final success of the Savannah River mission, which was to produce plutonium and tritium for the nation's nuclear arsenal. The facilities were instrumental in the testing of both the nuclear properties of Savannah River production reactors, and the vertical fuel and target elements that had to go into these reactors. Page 84 provides a location map of Areas A and M and provides a location of the Physics Assembly Laboraty, shown as Building 777-10A.

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DATE REC'D 9/9/13

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: P001

Source Document Data Limitations (if any):

1. Limited specific process information in document.

Acceptable Knowlege Expert:

Kevin J. Peters / [signature] Date: 7/2/2013

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PHYSICS ASSEMBLY LABORATORY
(Physics Assembly Laboratory, Building No. 777-M)
(Building No. 777-10A)
Area A/M, Savannah River Site
Aiken
Aiken
South Carolina

HAER SC-43
SC-43

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

FIELD RECORDS

HISTORIC AMERICAN ENGINEERING RECORD
SOUTHEAST REGIONAL OFFICE
National Park Service
U.S. Department of the Interior
100 Alabama St. NW
Atlanta, GA 30303

HISTORIC AMERICAN ENGINEERING RECORD

PHYSICS ASSEMBLY LABORATORY
(Physics Assembly Laboratory, Building No. 777-M)
(Physics Assembly Laboratory, Building No. 777-10A)

HAER NO. SC-43

Location: Area A/M, Savannah River Site, formerly Savannah River Plant, Aiken Vicinity, Aiken County, South Carolina; USGS New Ellenton SW, SC Quadrangle Universal Transverse Mercator Coordinates: Zone 17, 431593E, 3688751N

Date of Construction: 1952-53

Architect: Voorhees Walker Foley & Smith

Builder: E. I. du Pont de Nemours and Company

Present Owner: U.S. Department of Energy

Present Use: Demolished

Significance: The Physics Assembly Laboratory, a testing facility at the Savannah River Plant that housed a zero power reactor known as the Process Development Pile, is significant for its role in establishing the physics parameters for plutonium and tritium production in five Cold War era heavy water moderated and cooled production reactors. Savannah River Plant was constructed by the Atomic Energy Commission between 1950 and 1956 for the production of nuclear materials for the nation's arsenal. Beyond this historically important defense mission, the Physics Assembly Laboratory's test reactors were used for physics experiments until computers made their research potential obsolete in 1979.

Report Prepared By: New South Associates and Washington Savannah River Company

Date: 2006

PART I. HISTORICAL INFORMATION

A. INTRODUCTION

This narrative details the historical development of the Physics Assembly Laboratory, best known to its users by the building number designation, 777-M, or colloquially as "Triple 7." As it was normally identified by building number rather than the formal name, this narrative will follow suit. Building No. 777-M was located at the Savannah River Site (SRS), first known as the Savannah River Plant (SRP), in Aiken County, South Carolina. The SRP, a major site within the nation's production complex, was constructed by the Atomic Energy Commission (AEC) to produce nuclear materials. Five heavy water moderated production reactors, one-third of the production reactors that have ever been constructed in the United States, were built at the South Carolina site to produce plutonium and tritium for the nation's nuclear arsenal. Moreover, the SRP reactors were the first heavy water reactors to be built in the nation for production purposes.

The experimental reactors in Building No. 777-M played an important role in the operation of these production reactors, particularly in the early months before the first production reactor, R Reactor, went critical in late December of 1953. In the summer and fall of 1953, the experimental reactors in 777-M were essential for the study of the Savannah River production reactor design and operation, as well as for the calibration of various standards and monitoring devices required by the reactors.[1] Even though this was the most important of the many uses of 777-M over the years, the building and its experimental reactors were associated with almost every major aspect of the use and improvements made to the Savannah River production reactors, from 1953 until the basic perfection of the production process in the 1970s.

SRS was divided into different areas of operation, such as reactors areas, separations areas, fuel and target fabrication, heavy water production, and administration. Each area was

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[1] E. I. Du Pont de Nemours and Company, *Savannah River Plant Engineering and Design History, Volume IV of VI; 300/700 Areas and General Services and Facilities*, Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract AT(07-2)-1, Du Pont Project 8980, January 1957, 13.

assigned a unique number based on function, as well as a letter designation. Reactor areas were designated 100 areas, with each of the five production reactor areas also assigned a specific letter (100-R, P, L, K, and C). The same was true for the two separations areas (200-F and 200-H). There was only one fuel and target fabrication area (300/M Area), just as there was only one administration area (700/A Area). This administration area also included the main buildings of the Savannah River Laboratory, now identified as the Savannah River National Laboratory (SRNL). Both M and A areas were situated together at the northern edge of the plant. Building No. 777-M was located at the southwest end of the 300/M Area.

For most of its existence, Building No. 777-M was controlled and operated by the Savannah River Laboratory (SRL), which oversaw the physics required in the operation and improvements to the production reactors. For this reason, the Physics Assembly Laboratory was identified as 777-M, reflecting its ties to both the 700-Area and SRL, and to M-Area, dedicated to manufacturing fuel and target elements. This designation suggests the uniqueness of the building and its function. In fact, the building kept this designation until the early 1980s, when a change in mission required a change in the designation, from 777-M to 777-10A. At that time, reactor work was phased out, and much of the building was adapted for audio-visual work at Savannah River.

In the early years, however, 777-M was known as the home of Savannah River's experimental reactors. By the 1970s, Building No. 777-M had a total of five experimental reactors: the Process Development Pile (PDP); the Standard Pile (SP); the adjoining Exponential Pile or Subcritical Experiment (SE), the Pressurized Exponential Pile (PSE); and the Resonance Test Reactor (RTR), later renamed the Lattice Test Reactor (LTR). The most important of these, however, were the first three: the Process Development Pile (PDP) and the SP and SE (the last two usually operated together). Of these three, the PDP, a full-scale nuclear mock-up of the heavy water moderated production reactors at Savannah River, was the most significant. The PDP provided researchers with the opportunity to study the physics of the production reactors and their fuel and target assemblies without

having to impede production, and without the radiation problems associated with the production reactors.[2]

B. CONTEXT

Building Design and Construction History

The design and construction of Building No. 777-M was part of the much larger design and construction program for all of Savannah River Plant, which was conceived, designed, and constructed between 1950 and 1956. This work, completed for the AEC, was the responsibility of the E. I. du Pont de Nemours and Company (referred to after this as "Du Pont") and its many subcontractors. Most of this work, certainly all of it until at least 1954, was part of what was formally known as "Du Pont Project 8980." The work force for Project 8980 peaked in September of 1952 with 38,582 employees. Project 8980 continued until 1956, when the first wave of construction was completed. Construction of new facilities, of course, continued in the years to follow, and beginning in 1954, this new work was designed and built as individual projects, as the need for new construction arose. Such projects were designated supplemental projects or "S" Projects, and were usually performed by the Du Pont Engineering Department.[3]

Building Design Work

Building No. 777-M, one of the first buildings constructed at Savannah River, was an experimental physics facility. With the PDP, Building No. 777-M could determine the nuclear properties of the elements within a functioning reactor. It was the intermediate step between the theory of how a heavy water moderated reactor should work, and the actual working of such a reactor. The antecedents of the Savannah River reactors will be described in the following section of the report, but it is

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[2] Ibid., 130; G. Dessauer, K. H. Doeringsfeld, and E. C. Toops, "Design Data Report, Revised, Project 8980 — Savannah River Plant, Pile Physics Laboratory, Building 777-M," Explosives Department, Atomic Energy Division, E. I. Du Pont de Nemours and Company, September 4, 1952, 10.

[3] E. I. Du Pont de Nemours and Company, *Savannah River Plant Engineering, Design, and Construction History of "S" Projects and Other Work, November 1953 to December 1960,* Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract AT(07-2)-1, December 1963, 13; *Facts Book, Savannah River Plant, 1953,* History Section, Engineering Office Department, Savannah River Plant, 1953, 16.

important to note that no production reactors in the United States had ever been run with a heavy water moderator.[4] All earlier production reactors used graphite as the moderator. While it was certainly known that a heavy water reactor could work, there were many operational details that had to be worked out. While other newly constructed SRP facilities contributed mechanical and engineering knowledge to that end, the experimental reactors in Building No. 777-M would finesse the nuclear physics side of the problem.

First Building Concepts

In 1951, when the first design plans for Building No. 777-M were formulated, it was not certain where the building was going to be sited. The first tentative layout of the 300/700 Area was made in February of 1951. The following month, the entire area was relocated to what is now its current location.[5] When 777-M was mentioned in the first design data report, on July 30, 1951, the building was designated "777-A," since it was originally thought to locate it adjacent to the Savannah River Laboratory. This location was still current at the time of the second design data report, dated October 1951. By that time, Du Pont engineers had basically outlined the size of the building itself, and had specified room sizes and services.[6]

Building No. 777 was removed from the 700-A Area to the 300-M Area in early November of 1951. This mandated a switch in the building designation from "777-A" to "777-M." At that time, it was decided to place the building at the south end of M Area, where it would not require an extra gatehouse.[7]

In the early days of 1951, when Building No. 777-M was nothing more than a concept, there was some discussion about whether to make the building a Class I, II, or III construction. These

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[4] A substance, such as water or graphite, that is used in a nuclear reactor to decrease the speed of fast neutrons and increase the likelihood of fission.

[5] Voorhees Walker Foley and Smith, *Savannah River Plant Engineering and Design History, Volume I of II, Text and Exhibits*, New York: Voorhees Walker Foley and Smith, Subcontractor for Engineering Department, E. I. Du Pont de Nemours and Company, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-6-1/2, December 1, 1953, 172-173.

[6] Dessauer et al., "Design Data Report," 8.

[7] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 156; Dessauer et al., "Design Data Report," 8.

classes constituted a building code created by Du Pont for SRP construction, keyed to the use of building materials that would enable a building to withstand a "blast." Class I was considered "blast resistant construction," with reinforced concrete walls and a roof of steel or concrete frames. Class II was "friable construction," where the building frame would be substantial concrete or steel construction, but the exterior walls would be covered with a friable material (usually flat cement asbestos, or Transite™) that would be expendable in a blast. Class III, "normal construction," called for steel framing with corrugated or flat cement asbestos siding.[8]

At first, it was thought appropriate to make 777-M a Class I construction. This determination was based on the importance of the work in 777-M, and because reinforced concrete would be required anyway in much of the building, especially around the reactors. Later, in November 1951, in order to save money, it was decided to make it Class III, with shielding walls only where it was needed.[9]

Up to this point, Du Pont's Technical Division of the Atomic Energy Division (AED) of the Explosives Department, as well as the Design and Development Engineering Divisions of the Engineering Department, and the Process Section of the Manufacturing Division had completed most of the conceptual work on 777-M.[10] The first general specifications for the PDP had been worked out by both the Design Division and the AED.[11] In late 1951, however, Du Pont began to share this work with three of its major Savannah River subcontractors: Voorhees Walker Foley and Smith (VWF&S), New York Shipbuilding Corporation, and American Machine and Foundry Company (AM&F). VWF&S worked on the building plans and the overall process. New York Shipbuilding fabricated the PDP reactor tank, while AMF was generally limited to work on specific pieces of equipment. In the end, VWF&S did all the final design and drawings for the building and ninety percent of the instrument and electrical drawings, including much of the design work for the PDP.[12]

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[8] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 68-71.
[9] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 156; Du Pont, *SRP Engineering and Design History*, Vol. IV, 144.
[10] Dessauer et al., "Design Data Report," 8-9.
[11] Du Pont, *SRP Engineering and Design History*, Vol. IV, 149.
[12] Ibid., 160.

VWF&S, an architectural and engineering firm based in New York City with strong experience in laboratory design, had just finished some design work at Argonne National Laboratory prior to Savannah River. The firm had also worked for Du Pont at the Dana Plant in Indiana. As a result, VWF&S already had a large number of technical people with the requisite AEC clearances. VWF&S was invited to become one of Du Pont's subcontractors on the Savannah River project as early as November and December of 1950. The general scope of work was defined in a letter from Du Pont, dated June 20,1951, but marked effective as of December 31, 1950. This letter became the basis of the subcontract, which was amended throughout the history of Du Pont's Project 8980. This contract entailed a huge amount of work, and it soon included Building No. 777-M.[13]

VWF&S was asked to work on the design of 777-M in early October 1951, even before the final determination of the building's location and construction class. This led to the first serious plan of the building, labeled Sketch No. 1, dated to October 19, 1951. At that time, the arrangement of the building reactors had not yet been finalized. Greater details were provided in "Sketch No. 4, Main Floor Plan," dated to November 28, 1951. The first revised elevations and wall section sketches were submitted to Du Pont on December 5, 1951. On January 4, 1952,Du Pont gave VWF&S authority to proceed with working drawings of the building.[14]

To prepare the working drawings, VWF&S relied on basic information provided by the Design Division of Du Pont's Engineering Department, usually supplied in Design Data transmittal forms and reports. There were also regular meetings between the two firms. Whenever possible, use was made of Du Pont's engineering and design standards, which emphasized modular planning whenever possible. VWF&S also had to coordinate its work with the other two subcontractors working on the building, New York Shipbuilding and American Machine and Foundry.[15]

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[13] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 1-4, 9.
[14] Ibid., 130-131, 175; Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 156.
[15] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 10-11, 47-50.

The first full set of preliminary plans for all levels of the building, basically identified as Sketches Nos. 8 through 22 were submitted by VWF&S in early 1952, and were returned by Du Pont on February 5, 1952. These sketches formed the basis of the working drawings that were prepared next.[16] Unlike the sketches, which were labeled "Sk," the working drawings, labeled "W," would be more or less the finished plans, and basis for what was actually built. The final working drawings were prepared in New York, and in the case of Building No. 777-M and the PDP, this required a total of sixty-five drawings, which did not include all of the piping, ventilation, instrumentation, and electrical work. Design work for the exponential pile (SE) required another eleven drawings.[17]

The majority of the design work for 777-M revolved around the requirements of the PDP. Du Pont provided preliminary sketches for the piping and equipment plans in late 1951 through early 1952. VWF&S developed these plans by May of 1952. By this time, the building foundation plans had also been completed. The following month, in June of 1952, VWF&S began to coordinate its work with New York Shipbuilding in the design of the reactor tank. Design work on the Exponential tank (SE) was one of the last to be done, in January of 1953.[18]

The final process drawings for Building No. 777-M were completed between late 1952 and early 1953, with the last details of the laboratory arrangements and instruments completed in January of 1953.[19] In addition to these plans, VWF&S also prepared perspective drawings for 777-M. An actual model of 777-M, rendered in paper, balsa wood and plastic, was submitted to Savannah River on January 20, 1953. Built at a scale of three-eighths of an inch to one foot, the model measured 36" x 40" x 42", representing a space comparable to 80'-0" x 90'-0" x 100'-0".[20] The model is presently curated at SRS.

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[16] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 156-157.
[17] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 130-131.
[18] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 157; *Vol. I*, 175.
[19] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 158.
[20] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 134-139, 175.

Final Design Results

As represented in the final plans, Building No. 777-M housed the PDP that was capable of great flexibility. This was essential in a reactor that would be used to test different reactor operation techniques and designs. The reactor also came equipped with the full range of shielding, control room instrumentation, storage, and lab space.

Considerable thought was given to both safety issues and to operational efficiency. The concrete shielding around the PDP and the SP was between five and six feet thick. The reactors themselves were situated below ground level for extra protection. All openings in the shielding walls were at least seven feet above ground level to provide added protection for the operators. "PDP On" and "SP On" signs throughout the building warned workers when the reactors were in operation. If a door opened in the middle of operation, a safety circuit would shut down the reactors.

Shielding was also provided in the laboratory wing "counting room" to allow for instrument accuracy, and to limit disturbance from both the 777-M reactors and from the graphite reactor in 305-M. Otherwise, the laboratory wing was provided with limited shielding, since none of the reactors in the area would ever be operated at high levels of radiation. Most of the lab wing design was based on a simplified version of those used for Building No. 773-A, the main SRL building. In addition to the men's locker and shower rooms, emergency showers were located beside the chemistry lab and the shop. Special consideration was also given to fire protection, since no water could be used, due to the presence of both nuclear fuel and heavy water. Carbon dioxide hand extinguishers were situated in the reactor rooms and the assembly and disassembly rooms; in addition, there was other fire fighting equipment.[21]

One of the auxiliary features of the building, though an important one, was air conditioning. This provided protection for the moderator, since air conditioning would limit the amount of light water contamination that might occur through moisture condensation or light water vapor.[22] Consideration was also

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[21] Du Pont, *SRP Engineering and Design History*, Vol. IV, 143-146.
[22] Dessauer et al., "Design Data Report," 60.

given to the nature of the lighting. The labs and offices were set up with fluorescent lights, while the nuclear physics lab, the counting room, and the neutron beam room were equipped with incandescent bulbs. Originally, it was thought that fluorescent lighting in the nuclear lab areas would interfere with the electronic equipment needed to record the nuclear measurements. This proved not to be the case, but the final design reflected this original line of thought.[23]

Building Construction

Construction began on February 2, 1952, almost immediately after the final plans were approved. By the end of that month, the construction site was a large excavation pit in what would soon be the PDP reactor area. By April of 1952, the sub-basement was under construction, and by May and June, the basement level. In July, work began on the aboveground phase of construction. By October of 1952, the exterior shell of the building had been completed, at least in the vicinity of the Reactor Wing. The Lab Wing steel frame went up, beginning in October 1952. By March of 1953, the exterior of the building had basically been finished.[24]

Operations personnel occupied the reactor wing of the building on April 13, 1953. The lab and office areas were occupied on June 1, 1953. The completed building was formally accepted by Operations from Construction on July 5, 1953. Among the materials used in the construction were 5,175 cubic yards of concrete; 315 tons of reinforced steel; 400 tons of structural steel; and 89,600 square feet of asbestos (Transite™) siding. At the beginning of construction, the building was slated to have two experimental reactors: the PDP, a mock-up of the production reactors; and the SP, a test reactor used for calibrations and as a source for neutrons for experiments. It was only later that the SE, an exponential facility later considered a reactor in its own right, was added on top of the SP. According to the SRL Director Milton Wahl, this addition of

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[23] Du Pont, *SRP Engineering and Design History*, Vol. IV, 146.

[24] E. I. Du Pont de Nemours and Company, *Savannah River Plant Construction History, Volume IV of IV; Construction, 300-M, 400-D, 700-A, and 500/600/900-G Areas*, Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract AT(07-2)-1, Du Pont Project 8980, January 1957, 145; Information based on construction photographs on file at SRS Archival Records.

the SE was decided upon when the construction of 777-M was "well underway."[25]

As a result of all this work, Building No. 777-M was intact and functioning as an experimental facility by the late spring, early summer of 1953. At that time, it was formally described as a Class III structure having an "L" shape. The reactor wing measured 129'-0" x 83'-0", with a total vertical measurement of sixty feet divided into various levels. The laboratory wing measured 52'-0" x 146'-0", with a ground level story and a full basement. The building rested on reinforced concrete mat footings and spread footings. There was a structural steel framework supporting most of the building. The roof was comprised of reinforced concrete roof slabs, supported by steel beams, in the high section of the reactor wing, and rib lath in the remainder. The exterior walls were covered with flat cement asbestos board or Transite™, affixed to steel beams.[26]

Even though 777-M had been built at some distance from the SRL, it was still very much a facility of the SRL. This was not always apparent in the early days only because the SRL was not organized until July of 1952, with Milton H. Wahl as the first laboratory director. Before that time, Du Pont's Technical Division did most of the local experimental work, with personnel answerable to bosses at Du Pont's main office in Wilmington, Delaware. By 1953, however, Building No. 777-M was established as one of the key facilities of the SRL, along with the Main Technical Laboratory, the Waste Disposal Facility (776-A), and the CMX-TNX complex.[27] It is interesting to note that during this period, and for many years to come, the SRL had no direct organizational ties to Savannah River Plant. All liaisons with the plant went back up through Wilmington within the Du Pont organization.

In June of 1953, when Building No. 777-M was just completed, the SRL was reorganized with the arrival of Charles W. J. Wende from Wilmington, and J. W. Morris from the Dana Plant in Indiana. Two separate laboratory sections were created: the "Pile

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[25] Du Pont, *SRP Construction History*, Vol. IV, 145; Milton H. Wahl, "History, Savannah River Laboratory, June 1951 to June 30, 1953," E. I. Du Pont de Nemours and Company, Explosives Department – Atomic Energy Division, Technical Division – Savannah River Laboratory, Augusta, Georgia, 1954, 6.
[26] Du Pont, *SRP Construction History*, Vol. IV, 144.
[27] Wahl, "History, Savannah River Laboratory," 4, 6.

Technology and Materials Section," under Wende; and the "Separations Technology and Laboratory Services Section," under Morris. Building No. 777-M was run by Pile Technology.[28] Within this umbrella, 777-M was soon administered by the Laboratory's Experimental Physics Division. By this time, it had been determined that the main purpose of the SRL was to support the operation of the plant. It was thus established that the reactor personnel at SRL had to work together with their closest counterparts at the plant: the people within "Reactor Technology."[29]

Equipment Design and Construction

Building No. 777-M was basically a shell surrounding the two experimental reactors, the PDP and the SP (the SE was generally considered part of the SP in the early 1950s). Even though the PDP and the SP did not normally work in tandem, their operations were clearly complementary. The PDP provided the larger picture of the nuclear activity that took place within a Savannah River production reactor. This was done through the different arrangement of elements that went into the reactor, and from the different arrangements of those elements within a framework called a "lattice." The SP and SE worked on a smaller scale, examining the nuclear properties of individual elements or small groups of elements.

The design and construction of the PDP was clearly the most important of the two test reactors. Due to its integral role in SRP reactor design, its criticality preceded the startup and operational life of the full-scale heavy water-moderated reactors at SRP, establishing the PDP as the nuclear precursor to R Reactor, the first of the production reactors. If the Savannah River production reactors were experimental, compared to the first generation of older graphite reactors at Hanford, then the PDP was doubly so. It had ties to the large graphite reactors inherited from the Manhattan Project, but its immediate predecessors were the small heavy water moderated experimental reactors constructed at Argonne in the late 1940s and early 1950s.

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[28] Ibid., 10.

[29] Tom Gorrell, personal communication, January 30, 2006; Norm Baumann, personal communication, October 19, 1999.

Precursors to the PDP

The reactors at Hanford, in Washington State, constructed for the Manhattan Project, were the first production reactors anywhere in the world. The Hanford complex was still in operation at the time of the design and construction of Savannah River, but these reactors were moderated with graphite blocks piled into what looked like a structure. The earliest name for a nuclear reactor, the word "pile," came from this, and was actually the preferred term for a reactor until the mid-1950s.

One of the legacies of the Manhattan Project was the use of graphite reactors for the production of fissionable material. Graphite, however, was not the best material for the moderation of thermal neutrons. Even in the days of the Manhattan Project, it was known that heavy water had better moderation properties. It slowed neutrons quicker than graphite, and it absorbed fewer, leaving more to serve production needs. Unlike graphite, it could simultaneously serve as both moderator and coolant. During World War II, however, the problem with heavy water was supply. There was not enough to do the job.[30]

Even in the years that followed, heavy water was difficult to produce or harvest. Heavy water is found naturally in regular "light" water only at the rate of 1 per 5,000 atoms. Much of the heavy water used at Savannah River was produced on site, in the 400-D Area, by means of the hydrogen-sulfide dual temperature exchange process known as the "GS process." It has been estimated that the heavy water within the PDP system alone cost around $12 million.

Because Savannah River reactors were to be moderated with heavy water, nuclear engineers with the AEC and Du Pont did not draw direct inspiration from the Hanford reactors, but rather from the smaller heavy water-moderated reactors at Argonne National Laboratory, the AEC's center for reactor research, then located near Chicago, Illinois.

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[30] Richard G. Hewlett and Francis Duncan, *Atomic Shield, 1947 / 1952: Volume II, A History of the United States Atomic Energy Commission* (University Park: Pennsylvania State University Press) 1969, 429; Norm Baumann, personal communication, October 19, 1999; Peter Gray, personal communication, October 13, 1999; Fact Book, Savannah River Plant, Office of Public Education — Public Information, Savannah River Operations Office, US Atomic Energy Commission, Aiken, South Carolina, 1960, 12.

By the early 1950s, graphite reactors and their operation posed no mysteries. In fact, the very first reactor to operate at Savannah River was the graphite test pile in 305-M, which went critical in September of 1952 and was in operation testing fuel metals before the end of the year.[31] Relatively little fanfare accompanied this achievement.

The Savannah River heavy water reactors, however, were another matter. In December of 1952, months before any heavy water reactor would go critical at Savannah River; Charles Wende, who would soon be head of the reactor work at SRL, discussed this issue. At that time, the only functioning predecessors to the large heavy water moderated production reactors being prepared at Savannah River, were the small research and test reactors at Argonne National Laboratory. These included: the Argonne exponential tank; the North American exponential tank; the CP-3 ["the world's first heavy water reactor"[32]]; and the Zero Power Reactor II, a small heavy water reactor commonly referred to as "ZPR-II" (the only other heavy water reactor in North America was the NRX Pile at Chalk River, Canada). Of these Argonne reactors, the most important to the development of the PDP was the ZPR-II.[33]

Even if the Savannah River reactors were based on the ZPR-II design, there were still great differences between the two. The ZPR-II, a relatively small tank that operated with twenty-five tons of heavy water, was less than one-quarter the volume of the PDP. ZPR-II could only determine neutron flux in the immediate vicinity of the fuel and target elements. It could not provide the big picture for a production reactor the size of those at Savannah River.[34]

In fact, the basic design of the R Reactor and the other production reactors at SRP, was based on measurements made in

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[31] E. I. Du Pont de Nemours and Company, *Savannah River Plant History, All Areas, August 1950 through June 1953*, 5-6.
[32] Jack M. Holl, *Argonne National Laboratory, 1946-96*, with assistance of Richard G. Hewlett and Ruth R. Harris; foreword by Alan Schriesheim (Chicago: University of Illinois Press, 1997), 51.
[33] Ibid., 149; Charles W. J. Wende, "Operation of PDP," Memorandum to L. Squires, E. I. Du Pont de Nemours and Company, Explosives Department, Wilmington, Delaware, December 9, 1952, 9.
[34] B. H. Mackey, "Reactor Safeguards — PDP," Letter to Curtis A. Nelson, Manager, U.S. Atomic Energy Commission, Savannah River Operations Office, Augusta, Georgia, February 26, 1953, 2; Wende, "Operation of PDP," 10.

the "exponential experiment" and in the ZPR-II at Argonne (with reactors, the term "exponential" refers to the rate of neutron flux in the reactor tank, and the conditions under which the neutrons fall off).

These measurements gave the designers the basic lattice information and the basic control data needed to operate the reactors. Even so, this information was obtained from tests in relatively small reactor tanks, and there was a need to run tests in a large-scale reactor tank before production got underway in R Area.[35]

Just having a large-size test reactor was found to make a difference in any tests pertinent to a large reactor. Testing element components in a small reactor was fine, but a small test reactor was not adequate for testing the behavior of neutrons in a larger setting. The loss of thermal neutrons was much less in a large reactor, simply because of the greater mass. One researcher compared the situation to a coal fire, where one lump of coal will hardly burn because it loses heat faster than can be generated through combustion. Only a pile of coal will burn efficiently.[36]

There were at least two effects that researchers wanted to test in a large reactor before any attempts were made to start up R Reactor. One was the "rooftop" effect of having so much heavy water moderator above the fuel and target elements in the tank. It was believed that this effect would improve power output in the larger reactors by at least ten percent. Such an effect was barely suggested in the ZPR-II because the reactor tank was not high enough.

Another effect was a "tilt" in the "flat zone" of the ZPR-II. The "flat zone" in a reactor is the central area that is exposed to the greatest concentration of thermal neutrons; the area surrounding the flat zone is often called the "buckled" zone, where the concentration of neutrons falls off, usually around the edge of the reactor tank. A tilt in the flat zone is any irregularity in the concentration of the thermal neutrons caused by an asymmetrical arrangement of the control rods. This appeared to have been a problem of "radial neutron

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[35] Wende, "Operation of PDP," 2.
[36] E. H. Lockwood, *Reactor Physics Primer*, General Electric, Hanford Atomic Products Operation, Richland, Washington, November 15, 1957, 76-7.

distribution"-- a problem that threatened to affect twenty percent of the reactor's output. Just noticeable in the smaller test reactors, it was expected that there would be greater tilt in the flat zone of a much larger reactor like R. Since researchers were not certain how this would be handled in R Reactor, they wanted to first test this effect in the PDP. A suitable resolution of this matter would allow power level increases within the larger reactors.[37]

Another issue that merited investigation was the addition of safety features for the larger reactors. In a study written by B. H. Mackey in 1953, it was determined that the ZPR-II and the PDP would have virtually the same potential hazards. The greatest of these, though unlikely, was the possibility of a slow runaway reaction that might continue until the moderator boiled away. As a result, it was decided to have sixty safety rod actuators for the PDP and a backup of shutdown rods. Once inserted, the shutdown rods would hold the reactor at a subcritical level. This would allow workers to enter the PDP room without having to pump out the moderator, as had to be done with the ZPR-II.[38]

There were a number of other safety features new to the PDP. There was the use of interlocks that would force operators to use the proper procedures when operating the reactor. Also, the PDP reactor tank could be brought to criticality only by withdrawing the control rods; the ZPR-II could be brought to a critical state by either raising the water level or pulling out the control rods. There would be at least twenty-one health monitors around the PDP and within the building; there were none for the ZPR-II. The PDP would also be below ground level for additional protection from any radiation. The PDP reactor room doors were gasketed, and there was a greater room volume around the reactor tank. Trip circuits were built into the system to shut down the heating and ventilation in case of accident. Last but not least, in the case of a slow runaway reaction, the PDP was set up so that steam in the quatrefoils would blow off the Q-foil caps. Moderator would then spill onto the floor, allowing the reactor to go subcritical.

In other more general ways, Building No. 777-M and its reactors had connections with Building No. 316 at Argonne. Many of the

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[37] Wende, "Operation of PDP," 2.
[38] Mackey, "Reactor Safeguards – PDP," 1-3.

general features of Building No. 777-M were modeled after Building No. 316. The location and function of both buildings within the overall complex were basically similar. Both buildings were designed around two heavy water moderated research reactors: Building No. 316 already had reactors ZPR-I and ZPR-II; Savannah River would soon have the much larger PDP, as well as the SP. Both buildings were situated close to other experimental reactor facilities: Building No. 316 was close to CP-5 at Argonne, while 777-M and its PDP would be close to the graphite reactor in Building No. 305-M. There would even be a comparable number of people around the reactors during the work week, which made its safety considerations similar.[39]

The PDP Tank

The design and construction of the PDP tank, and all the various items that were required to make the tank work, progressed at about the same time as the design and construction of the building itself. From the beginning, it was understood that the PDP would have to be a full-scale version of one of the heavy water moderated production reactors scheduled to go on line at Savannah River. It would have to operate at low power (up to around 100 watts). It would have to duplicate the chemical and physical properties of the production reactors-- similar in all things nuclear-- but not necessarily have the same mechanical design. It would also have to be versatile enough to allow for the study of advanced reactor designs and lattice arrangements.[40]

All of these aspects of the PDP played a role in the design of the tank itself, and the area around the tank. The PDP tank design was dictated by five general requirements: accurate production reactor mock-up (but only in chemical and physical aspects); safety; the preservation of the heavy water moderator; accessibility; and flexibility of use. Because the PDP did not have to ape the production reactors in all mechanical details, there was no need for a gas blanket or reactor coolant.

Alternatively, because operators would be working much closer to the PDP than would ever be allowed in the production reactors, it was decided to bump up the safety features. For the tank, this meant an array of shutdown rods that were not found in the

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[39] Ibid., 2-4.
[40] Du Pont, *SRP Engineering and Design History*, Vol. IV, 21; Mackey, "Reactor Safeguards – PDP," 1; Dessauer et al., "Design Data Report," 11-12.

production reactors. These could be dropped into the tank quickly to stop reactivity, without having to change the control rods—most of which would be set by hand, and difficult to move quickly. To conserve heavy water, there had to be general protection from corrosion in the walls of the tank and the holding tanks and in the piping. The top of the reactor itself had to be sealed against dust and the introduction of light water vapor. There had to be a drying system to remove the residual heavy water whenever the tank was drained. For ease of access, there had to be space to work around the sides, the bottom, and certainly the top. For reactor flexibility, it was determined that a seven inch "pitch," would work best for the Savannah River reactors. "Pitch" is the distance between rods in the reactor tank, measured from center to center.[41]

One of the first firms to do work on the PDP tank design, aside from Du Pont, was the American Machine and Foundry Company (AM&F). This firm specialized in making industrial machines for other companies, and had been responsible for making what was then the world's largest cigar and cigarette manufacturing equipment. By the late 1940s, the firm had branched into the realm of military equipment. In November 1950, AM&F was contacted about doing much of the machine work for Savannah River, and the company set up a Special Projects Laboratory in Brooklyn, New York, for "Project XYZ," the firm's designation for the Savannah River work. This work began in November of 1950, when AM&F received a letter of intent from Du Pont that later became a subcontract. This subcontract was modified for the first time on August 15, 1952, and went through eight modifications by October of 1953. By the time AM&F's main work on Project 8980 Project was completed in 1954, the firm had done much of the work for the equipment in the 100, 200, 300, and 700 areas of Savannah River Plant.[42]

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[41] Du Pont, *SRP Engineering and Design History*, Vol. IV, 147-9; Dessauer et al., "Design Data Report," 14; Norm Baumann, personal communication, October 19, 1999.

[42] American Machine and Foundry Company, *Savannah River Plant Engineering and Design History, Volume I of IV*, American Machine and Foundry Company, New York, E. I. Du Pont de Nemours and Company, Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-8-1/2, February 28, 1954, 6; American Machine and Foundry Company, *Savannah River Plant Engineering and Design History, Volume III of IV*, American Machine and Foundry Company, New York, NY, E. I. Du Pont de Nemours and Company, Engineering Department, Wilmington, Delaware, Prime Contractor

The AM&F contract for design work in the 100 Area was enlarged to include work on the PDP in September 1951. At that time, AM&F was asked to design a low power reactor with a flexible lattice arrangement. This reactor would be a duplicate of the production reactors in most respects, and would use as many of the regular 100 Area vertical elements as possible. Many of the general arrangement drawings that were to be the basis for these plans were provided by VWF&S.[43]

In the official history of the AM&F work done at Savannah River, AM&F outlined the steps that were taken to work up the plans for the PDP. Designs from the Hanford plant were examined for possible use at SRP, but it was quickly found that most of those designs were too old to be useful. Even so, AM&F began working up plans for the test reactor tank in late 1951 and early 1952. As early as November of 1951, AM&F had prepared a proposed design for the tank that included expandable beams and deck plates that would allow changes in the lattice pitch from 7" to 10" maximum. The firm also worked on the designs for the shutdown rods and the safety drives.[44]

Despite this level of effort, it appears that Du Pont was not satisfied with the results. After AM&F worked up various design possibilities for the operation of the PDP, Du Pont found them too complicated and inflexible. Du Pont sent a formal letter to AM&F, dated March 19, 1952, canceling much of their work on the PDP. In the months that followed, AM&F worked on various design aspects of the controls, and the vertical components that went into the reactor. These included the Q-foils, the S-foils, the control safety rods and the rod drives, even the assembly and disassembly machines. They did not, however, include work on the tank.[45]

For additional design work on the tank, Du Pont decided to scrap the AM&F plans and return to Du Pont's original plans, dated before September 1951. The final plans for the PDP tank design

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for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-8-1/2, February 28, 1954, 591.

[43] Du Pont, *SRP Engineering and Design History*, Vol. IV, 149-150; American Machine and Foundry, *SRP Engineering and Design History*, Vol. I, 1043-4.

[44] American Machine and Foundry, *SRP Engineering and Design History*, Vol. I, 24, 1042, 1045-1056.

[45] Ibid., 1044; Du Pont, *SRP Engineering and Design History*, Vol. IV, 150.

were done by VWF&S, in cooperation with Du Pont's Design Division. These plans included the tank design, the lattice support arrangement, the materials handling and storage equipment, and the control rod drive. They maximized lattice flexibility and the flexibility of reactor control.[46]

It is clear that these PDP plans were all worked up in early 1952. They called for a Type 304 stainless steel cylindrical tank that had an inside diameter of 16'-2-3/4" and a height of 16'-0". Usable liquid height inside the tank would be 15'-3". The tank walls were to be 1/2" thick; the base, 1" thick. The tank would be elevated above the moderator storage tanks, so that it could drain by gravity. There would also be a tank cover to prevent contamination of the heavy water moderator, and to allow several people to work on the tank top at one time. The tank could accommodate 606 fuel tubes in 151 quatrefoils, sixty-one septifoils, sixty safety rods, and sixty shutdown rods. In addition, allowance was made for an 8" porthole on the side of the tank, at about 7'-7" above the inside tank bottom. This porthole, referred to as a "bull's-eye sight glass," was installed to aid the calibration of level instruments inside the tank. It could also be opened to insert a tube to check neutron spectrum or to obtain a neutron beam for special experiments. The PDP also had a resin bed to keep ion concentrations below the level of corrosion. Allowances were also made for "reflector cans," which would occupy the space above the highest fuel slugs. These cans would be filled with heavy water and would serve to mimic the additional heavy water features of the regular production reactors that would not be present in the PDP.[47]

The firm that actually fabricated the PDP tank was New York Shipbuilding Company, based in Camden, New Jersey. This firm was already under contract to Du Pont to produce the production reactor tanks, when they were also asked to produce what New York Shipbuilding called the "Physics Lab Tank."

New York Shipbuilding became involved in Project 8980 in early 1951, when they were contracted to construct the first prototype of the Savannah River production reactor tank, to be followed by the production reactor tanks themselves. This work, identified

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[46] Du Pont, *SRP Engineering and Design History*, Vol. IV, 149-150.
[47] Du Pont, *SRP Engineering and Design History*, Vol. IV, 150-151; Dessauer et al., "Design Data Report," 13, 15-16, 27.

as the "NYX Project," was conducted in great secrecy from 1951 through 1954.[48]

The prototype tank, which became known as the "NYX" Tank, was a cylindrical tank 25'-0" high, with a diameter of 16'-0" in the mid-section, but was flared at the top and bottom, where it measured 19'-0" diameter. There were four main assemblies with this tank: the main tank itself; the plenum chamber; the top tube sheet assembly; and the bottom tube sheet assembly. The plenum and the top and bottom sheet assemblies all had synchronized holes that would allow for the passage of the reactor elements into the tank. AM&F made many of the components that went with the NYX tank. The fabrication of the NYX tank began in September of 1951 and was completed in May of 1952. Due to the pressing schedule imposed on Savannah River, the R Reactor tank was begun as early as October of 1951.

Ironically, the PDP tank, an integral part of an experimental reactor that had to do its work before the R start-up, was actually constructed after work had already begun on many of the production reactor tanks. The first mention of any PDP tank work is dated to January 11, 1952, when Du Pont modified the New York Shipbuilding contract to allow for the construction of the "Physics Laboratory Tank and the Grid Beam Assembly," to be done for a fixed fee of $7,500 and an estimated cost of $75,000. The notification to proceed with this tank was issued in June 1952.[49]

As a result, the tank itself was constructed at New York Shipbuilding in the latter part of 1952. The tank fabricated was 16'-0-1/2" high, with an interior diameter of 16'-2-3/4". The tank bottom had a "flanged only head" that was made by Lukens Steel Company, based in Coatesville, Pennsylvania. The upper part of the tank had four chambers spaced around the rim that extended 3'-4" down the side, with flanged connections.

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[48] New York Shipbuilding Corporation, *Savannah River Plant, Fabrication and Testing History, Prototype and Production Units*, New York Shipbuilding Corporation, subcontractor for Engineering Department, E. I. Du Pont de Nemours and Company, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project No. 8980, Subcontract No. AXC-167-1/2, September 1954, 11-13, 28-29; New York Shipbuilding Corporation, *History, Project 8980 — NYX*, Du Pont Construction Division, New York Shipbuilding Corporation, Camden, New Jersey, AXC 1671/2 — Du Pont Contract No. CT-4143.

[49] New York Shipbuilding, *SRP Fabrication and Testing*, 17, 20, 69-70, 83, 287-289.

The tank support framework was made with carbon steel I-beams, lined with stainless steel in the vicinity of the tank. The diaphragm plate directly above the tank was a square stainless steel construction that measured 17'-8-1/4" to a side, and was 0-1/4" thick. The circular opening in the middle of the plate measured 16'-5-1/2" diameter. Above the diaphragm was the grid beam assembly, consisting of thirty-one grid beams that were designed to hold the support plates and the aluminum cover plates. There were twenty different sizes of cover plates, to accommodate the different possible arrangement of the vertical elements that would go into the reactor tank. The tank and the grid beam assembly were all shipped to Savannah River on January 15, 1953 with the third barge shipment to the plant.[50]

There is some question about the nature of the original PDP tank top. It is clear from sources dated to 1952, that there was some sort of tank top planned for the PDP to close the reactor. Dessauer et al. describe a tank cover that would prevent contamination of the heavy water, and support the weight of several people simultaneously.[51] New York Shipbuilding clearly made something like this, and it sounds much like the tank top that was present in 777-M right up until 2005, when it was dismantled during the building demolition process. Alternatively, scientists associated with 777-M's operational years, Norm Baumann and Tom Gorrell, have maintained that the tank top present in later years was not in place in 1953, when the tank was first used.

During the construction of the tank, much work was done on the auxiliary equipment that was required in the operation of the PDP. One important aspect of this equipment was the heavy water system, which included storage tanks, piping, and water level controls. Initially, the system was designed for a total of 100 tons of heavy water, but this was later changed to 110. Water levels in the tank could be adjusted from 3'-0" to 15'-3" inside the tank. The tank could be filled within thirty minutes, and drained in ten. Water temperature could range from room temperature to 125 degrees Fahrenheit. There was also a heavy water drying system set up in the tank and the piping to capture

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[50] Ibid., 237-8.
[51] Dessauer et al., "Design Data Report," 15-16.

heavy water moisture as possible when the tank was emptied.[52] It appears, however, that this drying system was rarely used.[53]

Just as important as the tank were the vertical elements that entered the tank. These provided the raw materials for any reactivity to take place. Since the PDP operated at very low power, there was no need for a large neutron source. There were only two polonium-beryllium neutron sources, which would normally be placed near the center of the tank. Each source emitted 2 x 10 to the seventh power number of neutrons per second. Operated by remote control, the source rods were either in the PDP when in use, or they were stored in a cylindrical can 2'-0" tall and 1'-0" in diameter, filled with a boron carbide-paraffin mix. The source rods were designed to fit into any of the safety rod thimbles.[54]

There were sixty safety rods for the PDP, and the length of the absorber element on each was 14'-0". There were another sixty shutdown rods, basically identical to the safety rods, which provided a greater degree of security in the operation of the PDP. These shutdown rods were divided into four "gangs" or groups, each of which operated as a unit.

Of greater concern for the operation of the tank were the 427 control rods, most of which were designed by AM&F. Most of the control rods (357) were designed to be set manually and then clamped in place. The remaining seventy could be operated remotely and moved individually or in gang fashion. As in the production reactors, the control rods were grouped into septifoils, each one of which contained seven control rods. As a result, there were a total of sixty-one control rod assemblies: fifty-one set manually and ten operated remotely.[55]

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[52] Mackey, "Reactor Safeguards – PDP," 6; Du Pont, *SRP Engineering and Design History*, Vol. IV, 153.
[53] Tom Gorrell, personal communication, November 14, 2006.
[54] Dessauer et al., "Design Data Report," 29.
[55] Ibid., 17; Mackey, "Reactor Safeguards – PDP," 6-7; Du Pont, *SRP Engineering and Design History*, Vol. IV,152; American Machine and Foundry Company, *Savannah River Plant Engineering and Design History, Volume IV of IV*, American Machine and Foundry Company, New York, E. I. Du Pont de Nemours and Company, Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-8-1/2, February 28, 1954.

In addition to the control rods, there were the reactor fuel assemblies. There were a total of 606 fuel assemblies to be placed in the reactor. These 606 fuel assemblies were quatrefoils, also known as Q-foils. As the name implies, there were four fuel tubes in each Q-foil. For a normal PDP loading, there would be twenty slugs per tube, or eighty per assembly, for a total of 48,480 slugs per loading. The average weight of each slug was 4.31 pounds. The total weight of the uranium was 104.5 tons; the weight of the uranium-235 within this total was 1,484 pounds.[56]

Even though the PDP was basically the same as the production reactors, the differences in the operation of the tanks required some differences in the vertical elements. The Q-foils in the PDP were slightly longer and the bottoms of the elements were also partially covered, since there was no need for coolant flow. To compensate for the reduced level of heavy water above the tank, aluminum cans filled with heavy water occupied the spaces above the highest slugs in each fuel tube of each quatrefoil.[57] Because there was very little power generated in the PDP, it was possible to use bare uranium slugs, rather than the aluminum-clad slugs that had to be used in the production reactors. To replicate the situation found in the production reactors, aluminum "spacers" were used between the slugs to mimic the spacing that would have been formed by the end-of-slug cladding in a production reactor.[58]

Naturally, many of these vertical elements had to be controlled mechanically, and this fell under the category of the PDP element motor control work. The Du Pont Design Division did most of this labor, with some specific tasks handled by VWF&S. Together, they created a "rack structure with fused caps for insertion into a three-phase 110 volt bus receptacle."

The control rod cables, and other cables, went into a sheave rack at the +27'-0" level over the tank. This meant cables for the seventy remote-operated control rods. At the operator end, steel tapes graduated into centimeters were attached to the cables, so that operators would have a direct reading of the control rod positions. The other cables for safety rods and shutdown rods, were also were also put over pulleys on the

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[56] Mackey, "Reactor Safeguards – PDP," 6.
[57] Du Pont, *SRP Engineering and Design History*, Vol. IV, 154.
[58] Ibid.; Dessauer et al., "Design Data Report," 11.

sheave rack and on motor-driven drums. All of this was different from, and cheaper than, the rack and pinion system employed in the 100 areas.[59]

One stand-alone piece of equipment that was critical to the loading and unloading of the vertical elements, was what was referred to as the "tilting table" or "tipping table." Most of the vertical elements, especially the fuel tubes, were structurally weak in any position but vertical. Even so, most could not be assembled except in a horizontal position. The horizontal tilting table was long enough to hold any of the vertical elements, and came equipped with "V"-shaped slots to keep the element from rolling off. The table could then pivot to a vertical position and elevate as needed to secure the element to the appropriate cable or storage area. This process was called "verticalization."

The table, developed by AM&F and first used at New York Shipbuilding in late 1951, was essential for the loading of slugs, spacers, and cans. It was a long, narrow table that measured 25'-0" x 7'-0". It could rise to a height of 25'-0". The original design called for the use of a friction clutch in the drive mechanism; this was later changed to a solid coupling. Work also had to be done on the latching mechanism that held the table in position. All of these issues were worked out before the installation of the first tipping table in 777-M. This was fortunate, since the success of the tipping table was critical to the successful loading of the PDP.[60]

A number of other instruments surrounded the PDP and were important for its operation and control. Many of these were monitoring instruments, such as the ten boron-coated ion chambers and the twenty-one health monitors. Other important pieces of equipment inside the PDP tank were the vertical and horizontal traveling monitors that measured neutron flux. There

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[59] Du Pont, *SRP Engineering and Design History*, Vol. IV, 152-155.

[60] Ibid., 154-5; New York Shipbuilding, *SRP Fabrication and Testing*, 71; American Machine and Foundry, *Savannah River Plant Engineering and Design History, Volume II of IV*, American Machine and Foundry Company, New York. E. I. Du Pont de Nemours and Company, Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-8-1/2, February 28, 1954, 530-535; Tom Gorrell, personal communication, May 19, 2006.

were other instruments that recorded and controlled the liquid level in the tank, as well as temperature and radiation levels.[61]

The SP and SE Tanks

The other initial reactor complex inside Building No. 777-M consisted of the Standard Pile (SP) and the Subcritical Experimental facility (SE). Both of these facilities were located in the "Standard Room," in the northwest corner of the building. The SP was planned for the building from the beginning, but the SE was added after building construction was already underway. Even so, it is pretty clear that allowances had always been made for something like the SE to be positioned over the SP. This was the arrangement that was eventually worked out by the time the building was constructed, with the SP resting on the minus 15'-3" level, the SE tank directly above it, with the top of the SE tank located at the 0'-0" level.[62]

The three basic functions of the SP were: 1) to provide "a flux of neutrons for the calibration of foils and instruments used with the PDP"; 2) to determine neutron cross sections and/or danger coefficients of samples; this included cross section determinations involving neutron beams; also included in this work were exponential experiments, where the SP provided neutrons to the SE; and 3) to serve as a primary standard for calibrating health monitoring instruments and for maintaining standards of nuclear quality control.[63]

The basic design for the SP was taken from General Electric's Thermal Test Reactor at the Knolls Atomic Power Laboratory in Schenectady, New York. The major difference between the two was in the orientation of the reactors. The Thermal Test Reactor had a vertical orientation, with elements going in and out of the top. The SP was oriented horizontally. As a result, elements entered the reactor from the side, and the neutron beam from the reactor also left from the side. Since the elements were horizontal, the resulting horizontal beam would be more symmetrical. It also left the top of the SP free for future additions, such as the SE.[64]

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[61] Mackey, "Reactor Safeguards – PDP," 8; Voorhees Walker Foley and Smith, *SRP Engineering and Design History*, Vol. I, 100-2.
[62] Du Pont, *SRP Engineering and Design History*, Vol. IV, 159.
[63] Ibid., 130; 155-6; Dessauer et al., "Design Data Report," 42.
[64] Dessauer et al., "Design Data Report," 43-44.

The horizontal neutron beam generated by the SP went through a 4'-0" x 4'-0" opening in the 6'-thick shielding wall, directly into the Nuclear Physics Laboratory and the Beam Room. This allowed for a full, unimpeded expanse of 120 linear feet for any neutron beam testing. When not in use, the opening in the wall was filled with graphite blocks.[65]

Unlike the PDP, there was no cutting edge reactor design or technology involved in the SP. The reactor itself was graphite-moderated, as were most reactors at that time. The General Engineering Laboratory of General Electric, the manufacturer of the Thermal Test Reactor, also made the SP. There were of course some differences, based on the differences in the orientation of the reactor elements. The core of the SP was a straight-through passage for samples, and the SP control rods operated with a reset-type switch, rather than the older manual on-off button. The reactor fuel container was created from two aluminum cylinders, one with 10-1/2" interior diameter, and the other 18" interior diameter. The cylinders were connected by two aluminum rings. The inside of this device contained a rotary rack for the fuel rods, which consisted of fourteen 3"-diameter fuel loading rods designed to hold uranium-235 fuel disks, covered by aluminum alloy. A light-weight paraffin oil served as the coolant. In the center of the reactor was a 4-1/2" aluminum tube, which was the passage for inserting loadings in the 4"-diameter graphite rod. All of this was situated in the middle of a five-foot cube of graphite, which comprised the outer edge of the reactor itself. In addition to source and fuel rods, the three cadmium control rods and the four cadmium safety rods, all 18" in length, entered the reactor from the side. General Electric fabricated the SP in 1952, and sent the reactor to Du Pont and the Savannah River Plant in early 1953, together with a draft of the pertinent test procedures.[66]

The SP was designed so that an exponential tank could fit on top. This exponential tank was identified by a number of

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[65] Ibid.; Du Pont, *SRP Engineering and Design History*, Vol. IV, 157.
[66] Du Pont, *SRP Engineering and Design History*, Vol. IV, 156-157; "Standard Pile Test Procedure and Results, Draft: GL-67000," General Electric, General Electric Laboratory, Schenectady, New York (Sent to G. Dessauer, Atomic Energy Division, Explosives Department, E. I. Du Pont de Nemours and Company, Wilmington, Delaware, from J. L. Matrone, General Engineering Laboratory, Schnectady, New York, January 15, 1953).

different acronyms. The most common designation now is the SE, or "sub-critical experiment" or "sub-critical experimental facility." In the early days, the SE was also known as the EXP, or "exponential pile." It was also known as the "exponential tank."[67]

The SE or exponential tank was designed for small-scale tests of fuel and lattice arrangements, as well as chemical and physical reactions. The SE allowed the study of various types and sizes of fuel elements under reactor conditions, without having to tie up the much larger PDP for that purpose. It was designed with a flexible lattice arrangement so that any new type or shape of fuel element could be tested in the tank under reactor conditions. If it was found to be suitable in the SE, then the element or lattice arrangement could graduate to the PDP, if necessary. The thermal neutrons for the tests would be supplied externally, from the SP. These neutrons could be projected from the SP through the graphite pedestal that separated the SP from the SE. The neutrons would then activate samples in the SE tank.[68]

Design work on the exponential tank began on January 6, 1953, relatively late in the overall history of Building No. 777-M construction. All details and pertinent drawings were completed in May of 1953, when the rest of the building was almost completed.[69] The SE design was based on that of the exponential tank used at Argonne National Laboratory; the interior diameter of the tank was the same, but the SE tank was higher and with a different tube arrangement. The design work itself was done by VWF&S, with oversight by Du Pont. The elements that were used in the tank were adapted from the PDP, but were made smaller for this smaller tank. The tank itself was fabricated by a "commercial metals fabricator."[70]

As constructed, the SE was a cylindrical tank with an interior diameter of 5'-0" and an overall height of 8'-0", including tube supports and the tank cover. The tank itself was fashioned from 0-1/2" thick aluminum. This was topped with a 0-1/16" thick

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[67] Du Pont, *SRP Engineering and Design History*, Vol. IV, 158; Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 100.
[68] Du Pont, *SRP Engineering and Design History*, Vol. IV, 21, 158-9.
[69] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. I*, 175; *Vol. II*, 158.
[70] Du Pont, *SRP Engineering and Design History*, Vol. IV, 158.

cadmium covering held in place by stainless steel banding. Like the PDP, and unlike the SP, the SE used heavy water as a moderator. The maximum water depth in the tank was 6'-1". The piping system was set up for maximum flexibility, just like the PDP. As was the case with all heavy water moderated reactors, the fuel and control rod elements entered the tank from the top. As initially planned, there were to be no control rods in the exponential tank, but these were added soon after. The tank had a rotating cover that allowed for maximum flexibility, and the components that entered the tank were like those of the PDP, except shorter. All control rods were set manually.

The SE or exponential tank was placed over the SP, with a 16" graphite pedestal between the bottom of the SE tank and the top of the graphite cube that surrounded the SP. The top of the SE tank was situated at 0'-0" level of the SP room (the base of the SP reactor rested on level minus 15'-3"). In the SP room, the 0'-0" level around the SE top had a floor of steel grating. The 1,000-gallon storage tank for the SE heavy water moderator was installed at Level --15'-3".[71]

The First Era of Building No. 777-M, Summer-Fall of 1953

Perhaps the most important period in the whole history of 777-M, were the first few months of operation, during the summer and fall of 1953, before R Reactor went critical.[72] This crucial period was recognized months before the PDP went critical.[73] Not only was this the first instance of a large-scale heavy water moderated reactor going critical within the AEC complex, but the PDP had an important role to play in the successful start-up of the R Reactor, the first of the heavy water moderated production reactors at Savannah River. Du Pont had promised the AEC that it would have the first production reactor on line before the end of 1953, and this was a benchmark that had to be made.[74] As Charlie Wende put it in December of 1952, the operation of the PDP "several months in advance of the R Pile startup, will help us to achieve and sustain full-power operation of the R-Pile more quickly and certainly." Without the PDP, it was accepted that it might take a year to complete the first cycle of the R

[71] Du Pont, *SRP Engineering and Design History*, Vol. IV, 158-160.
[72] Tom Gorrell, personal communication, January 30, 2006.
[73] Wende, "Operation of PDP," 1
[74] Tom Gorrell, personal communication, January 30, 2006.

Reactor. With the information that could be provided by the PDP, this time period could be cut by months. "In view of the large potential gains, and the small risk to the heavy water [moderator], it is recommended that the PDP be started up as far in advance of the R-Pile as possible."[75]

The Importance of the PDP

The first detailed examination of the importance of the PDP was a document compiled by Charlie Wende in December of 1952, several months before the PDP was scheduled to go critical for the first time. Wende described the nature of the work that would be done in 1953 and possibly in the years to follow.

As has been said before, the primary significance of the PDP was its size. It was virtually identical to that of R reactor, and any physics measurements that might be made in the PDP would be directly applicable to R reactor or any of the other production reactors. Neutron flux measurements would be similar, even though the power levels in the two reactors would be very different. Normal flux operation for the core of the PDP would be something like ten to the sixth power neutrons per squared centimeter per second, which would rate at around twenty-five watts of power. The upper limits would be around ten to the eighth power, or two to three kilowatts.[76] Alternatively, R reactor was initially rated at 378 megawatts[77] and in later years would be pushed much higher than that.

The PDP was designed to measure neutron flux in a way that R Reactor was not. According to Wende, use of the PDP would determine detailed knowledge of neutron distribution and "reactivity effects" in a "cold, clean environment." It would also provide a good standard for neutron measurements, especially when other factors would be at play in the production reactors, such as heat and poisoning. In the PDP, this standard would be determined by traveling monitors inside the tank and by special fuel assemblies that contained foil or pin traverses—equipment that would be too delicate to survive in a production reactor. The PDP was designed to extend the sort of nuclear information now obtainable only in the much smaller ZPR-II reactor. This information would provide a more realistic

[75] Wende, "Operation of PDP," 1.
[76] Mackey, "Reactor Safeguards – PDP," 2-3.
[77] Wende, "Operation of PDP," 14.

understanding of the neutron fluxes that could be expected in a production reactor. Without the PDP, all Savannah River Reactor Technical standards for the production reactors would be based on computations that would not be particularly accurate and would therefore require large margins of error for safety reasons. Operation of the PDP would lead to a more realistic knowledge of a large reactor, and would provide practice in the operation of such a reactor. Addressing the physics questions in the PDP would allow the production reactors to operate at higher power more quickly.[78]

The two basic issues to be determined by the PDP were how neutron distribution in the reactor would limit or effect production reactor power, and a determination of the outer margins of operational safety. All such readings in the PDP would be done with an array of foils, pins, wires, chambers, and traveling monitors. All of these instruments would be placed in different locations throughout the reactor, so that operators could get a clear view of the neutron range in various parts of the reactor. With such means, it was expected that the PDP would answer a number of specific questions within an estimated seventy-five work shifts, or approximately three months of operation.[79] Those issues are discussed below.

There were three specific issues that the PDP would address in 1953, and these were detailed in Wende's report.[80] They are mentioned here and are listed below with more details: 1) the establishment of a specific loading pattern for the production reactors; 2) establishment of the limits of safe operation of the reactors; and 3) the establishment of methods of initial operation.

1. Establishment of a specific loading pattern for the production reactors.

   a. What pattern should be used in the arrangement of the ganged full rods of the control system?
   b. Will there be "hot spots" in the intermediate and buckled zones of the reactor, and will this affect power increase? If there are hot spots, how they be compensated for, using control rods and the zoning of elements?

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[78] Ibid., 2-3, 14.
[79] Ibid., 3, 6-7.
[80] Ibid., 3-5.

c. In cycles where plutonium is produced, is it worth loading fuel in some of the control rods in the intermediate zone?

2. Establishment of the limits of safe operation.

a. How effective are the safety rods? How many rods could be pulled out of the reactor, and in what patterns, and still run the reactor safely?
b. Is safety control also possible if the level of heavy water is reduced?
c. How many control clusters can be out of the reactor at any given time?

3. Establishment of the methods of initial operation for the production reactors

a. What rod configuration is needed to reach criticality?
b. What rod configuration is needed to establish a "flat zone" at zero power?
c. "What is our full-rod calibration in the flat and intermediate zones, for several half-rod settings in the neighborhood of the optimum rooftop?"
d. How much "trim" is required to compensate for local poison?
e. How to manage half-rods with and without rooftop monitors? How important are the half-rods?
f. Establish a program of rod withdrawal as the reactors approach criticality.

In order to understand the importance of the issues mentioned above, there has to be an understanding of the terms, some of which are not only specific to the nuclear community, but even specific to the nuclear community at Savannah River.

The very essence of the nuclear reactors at Savannah River is the presence of thermal neutrons. They are emitted from the reactor source material (usually the fuel rods), are slowed down by the moderator, and then are accepted into a target material to make a fissionable isotope. Even the "high flux reactor activities" at Savannah River were based on the use of relatively slow thermal neutrons.[81]

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[81] Chuck Jewell, personal communication, May 22, 2006.

The thermal neutron flux shapes within a reactor tank determine the areas of greatest efficiency, as well as the less productive but inevitable areas of neutron fall-off. The PDP was specifically designed to study these flux shapes. The most efficient and uniform was known as the "flat shape" or "flat zone," located in the center of the reactor tank. The secret to good reactor operation was to increase the size of the flat zone at the expense of the intermediate and "buckled" zones. The buckled zone, located at the edge of the reactor, was marked by a rapid fall-off of thermal neutrons. Reactor operation was most efficient when this buckled zone could be kept as narrow as possible, yet still do the job of preventing neutrons from escaping the reactor tank. The constant concern with reducing the buckled zone eventually led to the creation of "blanket loadings," which were the rather inert last ring of reactor elements, usually lithium assemblies, designed both to capture neutrons at the edge of the reactor tank and to reduce the heat load on the tank wall.

The term "buckling" meant something different from "buckled." An expression that appears to have been used more at Savannah River than at any other AEC nuclear facility, "buckling" simply referred to the reactivity of a particular lattice arrangement. The greater the reactivity, the greater the "buckling."

Whereas flat zone and buckled zone generally referred to the horizontal flux shape of the reactor, analysis of the vertical flux shape, or the top-to-bottom distribution of neutron flux, involved "rooftopping." The optimal "rooftop ratio" was one where the axial measurements were the same both one-quarter into the reactor tank, and again three-quarters of the way into the tank, with the greatest distribution of neutrons occurring between those reference points.

Neutron distribution, whether horizontal or vertical, was regulated by control rods. To fine tune the reactivity within the tank, it was understood from the beginning that this would require both full rods and what were called partial rods. Any small change in the position of these rods was called "trim" or "trimming." This entailed moving individual control rods, done at a "trim panel" within the control room.[82]

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[82] Tom Gorrell, personal communication, January 30, June 13, July 25, 2006; Norm Baumann, personal communication, October 7, 1998.

Even though the three issues listed above were the main ones that concerned operators in 777-M during middle and latter part of 1953, there were other issues that were still important, and were scheduled to be addressed after the first few critical months. These included general safety issues; the effect of temperature to the system; and a number of different possible improvements to the general operation of the production reactors. All of the same questions and issues listed above also needed to be addressed for other types of fuel elements not yet tried at Savannah River, but already contemplated, such as enriched uranium, depleted uranium, and thorium.[83]

Final Equipment for PDP and Start-Up, 1953

In order to achieve Wende's goals, however, it was essential to finish outfitting the PDP in the first half of 1953. An order was placed for three polonium-beryllium neutron source rods in January of 1953, with the arrival date scheduled for April of that year. Two of these rods were for the PDP, with the third set aside for instrument checks. Beginning with this order and continuing for almost three decades, one or two new neutron sources would be required every year in Building No. 777-M.[84]

To read the neutrons within the PDP, it was necessary to have a traveling neutron monitor suspended inside the reactor tank. The one used at 777-M was designed by Argonne National Laboratory. It could move horizontally within the tank and provide readings to the control room.[85] Using an ion probe, this instrument provided the basic reading of the neutron flux within the tank. In the early 1950s, this traveling monitor was simply the best way to measure neutron flux that was then available. Improvement to this device was a constant theme in the refinement of the operation of the PDP.[86]

The first testing of the PDP instruments was done in May and June of 1953. During that period, the early flaws of the

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[83] Wende, "Operation of PDP," 4-6.
[84] G. Dessauer, "Neutron Sources for Building 777-M, Savannah River Laboratories," Letter to Joel V. Levy, Wilmington Area Office, United States Atomic Energy Commission, Wilmington, Delaware, January 7, 1953.
[85] Du Pont, *SRP Engineering and Design History*, Vol. IV, 152.
[86] Peter Gray, personal communication, 17 May 2006; Wahl, "History, Savannah River Laboratory," 16.

process were detected and corrected.[87] Also during this period, the first tests were done with de-ionized water rather than heavy water. For some tests, de-ionized water would serve as a substitute for heavy water, which was very expensive, costing hundreds of dollars per pound.[88]

Among the instruments that had to be installed in and around the PDP were high-level flux monitors, period meters, and trip points. The four high-level flux monitors around the PDP were chambers with electrodes with high voltage, and a small amount of uranium-235 inside the chamber. Neutrons from the PDP would strike the instrument, and thus give an indication of the power level inside the reactor. Someone had to check this monitor continuously during PDP operation.

Period meters were designed to check the rate of change in neutron levels. In this case, a "period" represented the number of seconds it takes the flux to increase by a factor of "e." As with the high-level flux monitor, someone had to monitor this device during the operation of the PDP. The trip points would activate when the period got too low; they could initiate a scram that would shut down the reactor. There were other devices as well, such as those to measure the control rod positions, and indicate the level of heavy water in the tank.[89]

All of these things were installed and made operational throughout the summer of 1953, during a period of frantic activity in 777-M. The PDP itself began operations in September of that year[90] and the PDP first went critical in October. By all accounts, the tests that followed were based on the lines of enquiry established by Wende in December of 1952. According to informants who worked in Building No. 777-M during that first year of operation, the main issues outlined by Wende were in fact adequately addressed in the months before the start-up of R Reactor. There is also little doubt that this PDP work made it both safer and more efficient to start up R Reactor in late December of 1953.

During this period, when the PDP was running its initial tests, the reactor tank would go critical in the following manner.

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[87] Wahl, "History, Savannah River Laboratory," 17.
[88] Tom Gorrell, personal communication, January 30, 2006.
[89] Ibid.
[90] Dunklee, *Heavy Water System*, 5.

After all the vertical elements were in place, then the heavy water would be pumped up. After that, the safety rods would be pulled out, followed by the control rods. This would lead to rapid neutron multiplication, which would continue until a "period" was reached. When too many neutrons were created and the reactor started generating low power, some of the control rods were reinserted to bring the tank back under control. The PDP would operate in this manner with low power, and was not considered a threat to safety. Even so, the doors to the reactor room were always shut whenever the PDP was in operation.[91]

The SP and SE in 1953

During the critical year of 1953, it is clear that the PDP stole the show in Building No. 777-M. The SP and SE complex also started up during this same period. In 1953 at least, most workers in 777-M considered the SE the most important of the two later test reactors. Here, researchers could test the reactivity of small lattices. This work started out with slugs made of natural uranium, but later progressed to enriched uranium and other materials as well. The thirty positions in the SE could be loaded in one hour, if needed, and the tank filled with heavy water in a process called "pump-up." Although the SE was always sub-critical during operation, it was good for testing lattices and neutron flux before loading the entire thing into the PDP. Although less flashy, the SP provided the SE with neutrons and was an essential part of the operation.[92]

As might be expected, the SP went critical at least two months before the PDP. The first critical loading took place in July-August of 1953, and was achieved with over two thousand grams of uranium-235 placed into over 400 fuel disks.[93]

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[91] Tom Gorrell, personal communication, January 30, 2006.
[92] Ibid.; SP-SE Log (with entries from January 15, 1971 to April 30, 1979, when Building 777-M went on standby).
[93] SP Approach to Critical, Notebook with SP Results, from August 1, 1953 to August 21, 1953.

Workers and Security

Naturally, the PDP and the SP-SE operations could hardly take place without the presence of a dedicated work force to manage and interpret the results. There was an influx of Physics Programs personnel to Savannah River in the spring of 1953, as the plant began to start operations. Many of these newcomers were assigned to 777-M. Their first tasks were to oversee the final stages of building construction, check all equipment, write the process and safety procedures, and plan the first experiments. Among the experiments mentioned by name were neutron flux rooftopping; neutron spectrum; LM criticality; PDP criticality; and the problems associated with heat generation in the thermal shields. Much of this work went on in Building No. 777-M itself, but many aspects were studied in the main laboratory facility in A Area. This included four specialists in the Mathematical Physics group who worked with the IBM Card Program Calculator. This was recounted by Milton Wahl, the first director of the SRL and author of the laboratory's first history.[94]

If Milton Wahl was the overall "captain" of the SRL, Charlie Wende was the "executive officer" in charge of day-to-day operations throughout the Laboratory.[95] Wende prepared the report that outlined the first scope of work for Building No. 777-M and the PDP. Even Wende, though, had his office in the main building of the SRL. Among those who were assigned to 777-M and were present at the beginning of operations was Tom Gorrell. Gorrell first came to Savannah River in the summer of 1953, and worked at the plant his entire career. He was assigned to 777-M almost immediately to work in reactor physics. His first job there was to distribute office furniture in the building, and his second job was to load de-ionized water into the storage tank for the PDP. This was followed by more challenging jobs such as the first loading of heavy water. Gorrell worked in Building No. 777-M until 1956.

Gorrell recalled that a wide range of people worked at 777-M. Some had doctorates, others had Master degrees, while others had no higher education. Even so, no one was referred to as "Doctor" and there was little deference to position. Du Pont encouraged this sense of camaraderie. Gorrell recalled that

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[94] Wahl, "History, Savannah River Laboratory," 15.
[95] Norm Baumann, personal communication, October 19, 1999.

when Du Pont executives visited the building, they usually made an effort to learn everybody's names. Even so, this diversity was limited. In the 1950s, and certainly in 1953, there were no women and no African Americans within the building's work force.

For most workers at 777-M, the PDP was not only an experimental reactor, it was also a learning reactor. Few people at the time had any working knowledge of heavy water-moderated reactors, and at least some specialists had to be imported from Argonne National Laboratory. In addition to compiling new procedures for the operation of the PDP, the work had to be done very carefully, since so much was new. Calculations were an important part of this early work, and there were only limited computational tools available. These included slide rules, printed exponential tables, and Marchant machines. No modern computers were available for this work in the early 1950s.

Despite the careful work, there were still mishaps. Gorrell recalled that there was a safety rod drop test incident that occurred in the weeks before the PDP went on line. There were sixty-six cadmium safety rods, each 1" in diameter and 15'-0" long. Each rod had a motor, drum, and a clutch. All were designed to drop together if there was a scram. In theory, they would drop fast until they reached the last foot inside the tank, when the clutch would kick in and slow the final one-foot descent. In one of the scram tests, the snubbing voltage batteries were dead and the safety rods fell 15' to the top of the tank, followed by the cables. According to Gorrell, "there was enough blame to go around so that no one got fired."[96]

On another, more propitious occasion, Lewis Strauss, the chairman of the AEC, came to visit the building to view the PDP and all the instruments that surrounded it. One of the instruments on display was the "beetle," which was effectively a collection box with plates of electrical circuits, separated by paper. This was used to identify the presence of water vapor in the vicinity of the beetle. In a demonstration for Strauss, Gorrell took an eyedropper and added a drop of water to the beetle. This lit up a whole array of warning lights, causing Strauss to exclaim: "what hath God wrought."[97]

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[96] Tom Gorrell, personal communication, January 30, 2006.
[97] Ibid.

As might be imagined from Strauss's visit, the work at 777-M and the PDP was not only important to the future operation of the production reactors, but also was top secret. In fact, workers were discouraged from ever mentioning their work outside of Savannah River Plant. Research papers were not encouraged from work done at 777-M, unless it was a very compartmentalized part of the overall program. The number of published studies that came out of the work associated with the PDP was quite limited, and most of the sources used in this report were in the form of internal memos and letters between staff members. This remained true long after the first crucial year of 1953.[98]

Reactor Power Rise in the 1950s

Just as the PDP was important in the start-up of the first production reactor, it was also instrumental in the success of the power rise of the production reactors throughout the 1950s. This allowed for a greater production of plutonium and tritium than was anticipated. Beginning in 1953, but also continuing through the 1950s and beyond, the PDP was used to help solve physics problems associated with the production reactors. Even though the PDP was often only in use twenty percent of the time, the rest of the time was needed to process the test information.[99]

At its peak of operation in the 1950s, Building No. 777-M had an average of some thirty workers, ranging from highly trained engineers to operators or maintenance people with a high school degree. The breakdown has been estimated at about half engineering staff, and half non-technical people. The "operator pool" that supervised the PDP when it was in operation numbered around twelve.[100]

Among the people that worked around the PDP in the 1950s were Tom Gorrell, Ed Hennelly, Jack Crandall, George O'Neill, Jerry Carlton, and John Kennedy.[101] One of the more theoretical workers at 777-M during the mid-1950s was Norman Baumann, who worked virtually his entire career at SRL.[102] Baumann came in about the time that Gorrell was transferred out. In the years to come,

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[98] Ibid.
[99] Norm Baumann, personal communication, October 7, 1998.
[100] Ibid.; Tom Gorrell, personal communication, January 30, 2006.
[101] Tom Gorrell, personal communication, January 30, May 19, 2006.
[102] Norm Baumann, personal communication, October 19, 1999.

Baumann became one of the more prominent people to work around the PDP.

Born in 1927 in Kansas, Norm Baumann graduated from Kansas University in Lawrence. Both he and his wife, Elizabeth, acquired doctorates and both came to work at Savannah River Plant around 1955. Baumann came to Savannah River in August of 1955 and was hired into the Experimental Reactor Physics Program at that time. He was immediately put to work designing new reactor charges, a program essential to the continued success of the production reactors, now working at high power.[103]

To give you some idea of the number of experiments run in the PDP during this era, it was noted in a later report that between 1953 and 1961, there were some 2,200 instances in which the moderator in the PDP was filled and drained, with only limited maintenance problems. In most instances, each of these drainage episodes represents a discrete experiment. Speaking of the PDP moderator, it is interesting to note that recharges to the heavy water moderator were necessary only twice in all that time.[104]

During the 1950s, especially during the period of reactor power increases, there was a strong connection between the Savannah River Laboratory and the Reactor Technology people that worked directly for the plant. The Laboratory was more theoretical, while Reactor Technology provided technical support for the daily operation of the production reactors. People were often trained in the Laboratory facilities, especially CMX, TNX, and Building No. 777-M, and were then transferred to Reactor Technology to assist in the operation of the production reactors.

Technically speaking, the people in Reactor Technology did not operate the reactors—that was the job of the Reactor Department. In one of many redundancies built into the Du Pont management of the plant, the Reactor Department actually ran the reactors, while Reactor Technology provided independent technical oversight. Reactor Technology personnel could not touch the controls or even give orders, but they had access to all the logs and acted as auditors of the entire operation. From this vantage point, they could make recommendations for changes in

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[103] Ibid.
[104] Dunklee, *Heavy Water System*, 5, 31.

reactor operation, and these recommendations were usually followed.[105]

Out of all the organizations at Savannah River Plant, Reactor Technology had the closest function to that of the Savannah River Laboratory. As a result, when the production reactors needed extra staff for their Reactor Technology section, they would recruit people from the Laboratory. This often meant taking staff from 777-M. It appears that many 777-M people did not want to leave for Reactor Technology, but in the 1950s, the need was great and most individuals were dutiful about it. In 1956, Tom Gorrell was transferred to R Area, and many others followed the same route.[106]

During this period, there were important changes made to the tanks and the processes that occurred in 777-M. Sometime before the beginning of 1957, a "table top" was added to the PDP. It appears not to have been in place in 1953 as discussed earlier. At the time of initial operation, there were no plates in place and it was still possible to see the reactor top. Septifoils were exposed about two feet above the top of the reactor tank, and workers had to balance themselves on the exposed beams over the tank to make all necessary adjustments. Operators who were there that first year recall that it was not uncommon for glasses and pencils from the workers to fall directly into the tank. The appearance of the tank that first year is shown in a historic image.[107]

While it appears that no plates were installed in 1953, perhaps due to the urgency of the work that had to be done that year, some sort of reactor top plates were installed in time to be mentioned in the history of Project 8980, compiled by Du Pont in 1957. At the time, it was mentioned that the over-tank beams had been constructed at Du Pont's Wilmington Shops and were tested at New York Shipbuilding. Cover plates were bolted to these beams, and each cover plate had a hole to allow for the passage of tubes into the reactor. Blank plates were used when no holes were needed in the plates. After loading the vertical elements, the cover plates were sealed with pressure-sensitive

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[105] Peter Gray, personal communication, October 13, 1999.
[106] Tom Gorrell, personal communication, January 30, 2006.
[107] Ibid.; Savannah River Operations Office, *The Savannah River Plant* (Aiken, South Carolina: Savannah River Operations Office, U.S. Department of Energy, 1978), 30.

lead foil tape or gasketed fittings to keep out dust and light water vapor.[108] As will be explained later, this was not the same "table top" present at the time of the building's demolition. That was a 1959 construction associated with the Heavy Water Component Test Reactor program.

By the middle and late 1950s, other alterations to the PDP occurred. Some are detailed in Du Pont records and some are not. For example, a modification in 1958 simply identified as Project S8-1042, and entitled "Increased Power-SR Reactor (777-M)" was completed at a final cost of $62,712. No further explanation or description of the project was provided.[109]

During this period, changes were also made to the SP to allow it to operate at higher power levels. In 1957-58, more shielding was added to the entrances of the SP-SE Room, and additional features were added to the SP complex so that it could operate at a maximum level of 10 kilowatts. Foremost among these was a pump and the piping for a small heat exchanger.[110] Under project S8-7005, dated 1959-60, a criticality alarm system was put into place in 777-M, as well as two other Laboratory buildings.[111]

By this time, the various devices used to measure neutron flux within the PDP and SE had become standardized. These included "ladders" containing gold pins, and various types of foils. Ladders were horizontal linear protrusions attached to assemblies. They were used to hold the pins needed to measure reactivity. Gold pins and foils, sometimes covered with cadmium, were often put inside fuel elements by means of a window; these too were sensitive to neutrons and could record neutron flux.[112]

All of these devices would prove useful, for the main purpose of the PDP and the SE in the later 1950s was to test new fuel and target assemblies scheduled for the production reactors. With

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[108] Du Pont, *SRP Engineering and Design History*, Vol. IV, 150-1.
[109] Du Pont, *SRP Engineering, Design, and Construction History of "S" Projects (1953-60)*, 863.
[110] Hood Worthington, "Operation of the Standard Pile at a Power Level of Ten Kilowatts," Letter to R. C. Blair, Manager, U.S. Atomic Energy Commission, Savannah River Operations Office, September 27, 1957.
[111] Du Pont, *SRP Engineering, Design, and Construction History of "S" Projects (1953-60)*, 871.
[112] Tom Gorrell, personal communication, May 19, 2006; Chuck Jewell, personal communication, May 22, 2006.

the constant rise of reactor power, it quickly became apparent that the original solid fuel element design, known as the Mark I, was grossly inadequate. Basically unchanged since the days of the Manhattan Project, the Mark I was succeeded by a number of different designs. These included hollow slugs, followed by the revolutionary tubular elements that went into general operation by 1956. Tubular elements even required a brand new manufacturing facility (Building No. 321-M), located fairly close to 777-M. All of these new elements had to be tested in the PDP and SP-SE before they could be released to the production reactors.[113]

PDP Work in the mid-1950s

There were many tests done in the PDP during this period, but the most important were related to solving the problems associated with the power increases in the production reactors. These tests had a number of facets, as various aspects of the vertical elements that entered a reactor were examined, both singly and together, to determine their overall effect within a reactor operating at higher power. One of the first tests, concerning enriched fuel rods in the PDP, began as early as January 1954.[114] This led to more elaborate tests on the effects of using quatrefoil assemblies with enriched uranium-aluminum slugs (also known as spiking elements) to increase the reactivity of natural uranium lattices and achieve high power levels. The buckling (reactivity) of such a spiking assembly was found to be four times greater than that of a quatrefoil with only natural uranium. As a result of these tests, spiking elements were determined to be useful with natural uranium loads and would produce a better flux distribution in a standard Q-foil lattice at high power.[115]

Another aspect of these tests involved the control rods, particularly the use of "weak" control rods in conjunction with enriched fuel. This led to tests on flux shapes created by

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[113] Norm Baumann, personal communication, October 19, 1999.
[114] H. E. Ostdahl, "Storage of Enriched Fuel Rods," Memorandum to J. B. Tinker, E. I. Du Pont de Nemours and Company, Explosives Department, Wilmington, Delaware, May 22, 1953, 1-2; Milton H. Wahl, "Memorandum: Enriched Fuel Requirements, Building 777-M," To J. D. Ellett, December 14, 1953.
[115] W. M. Heston, *History, Savannah River Laboratory, July 1, 1955 to June 30, 1956*, E. I. Du Pont de Nemours and Company, Explosives Department, Atomic Energy Division, Technical Division, Savannah River Laboratory, Aiken, South Carolina, November 22, 1957, 16-17.

using weak control rods with less than the standard amount of lithium-aluminum. The lithium-aluminum alloy would range from the "standard" percentage of lithium (generally 3.5 percent) to 1.0 percent in the weak control rods. These tests also discovered that both the radial and vertical flux shapes could be improved by using weak control rods. These tests led to the use of weak control rods, in conjunction with strong rods, in the production reactors.

Another problem studied in the PDP was the issue of thermal stresses on the side shield of the production reactors as the power was increased. This problem was initially addressed by taking buckling (reactivity) measurements on various enriched fuel lattice arrangements. This helped in the formulation of "blankets": the optimum outer ring of Q-foils and lithium-aluminum slugs needed to reduce the heat problems associated with the rise in reactor power.[116]

Another related issue was the testing of new fuel assembly designs that would be more efficient than the original Mark I solid fuel slug in common use when Savannah River began operation. In just a two-year period, from 1955 to 1956, PDP tests helped develop individual fuel assemblies, from the Mark III (the plate fuel assembly) to the Mark VIII fuel tube.[117] All of this work led to efficient designs for co-extruded tubes in the mid to late 1950s. In this manner, the PDP contributed to the success of the co-extruded fuel tube as a standard feature in heavy water reactors-- definitely one of the highest technical achievements at Savannah River.[118]

Other, somewhat related tests were common during this same period. Tests were done on possible changes to the reactivity of elements caused by removing heavy water from the elements (the resulting loss was found to be negligible). Moderator boiling studies-- simulating boiling in coolant channels-- were done in anticipation of such a problem in the production reactors. This possibility was not found to be a major problem.

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[116] Ibid., 16-18, 31.
[117] Ibid., 16, 25-26.
[118] Norm Baumann, personal communication, October 19, 1999; R. S. Campbell, "P.D.P. Extruded Tubular Target," Designed and drawn by R. S. Campbell, Building 777-M, E. I. Du Pont de Nemours and Company, U.S. Atomic Energy Commission, June 15, 1959.

As a result of all these tests, researchers at 777-M could determine which fuel and target arrangements worked best at high power. In general, it was found that spiking elements (enriched uranium fuel elements) and weak control rods were required to run the production reactors at optimum efficiency.[119]

There were other discoveries as well. The loss of moderator tended to increase reactivity, both in the flat and buckled zones of the reactor.[120] In all likelihood, this discovery led to the design and construction of the Resonance Test Reactor (RTR) in the years to follow.

SP-SE Tests in the mid-1950s

Most of the testing completed in the SP and SE during the 1950s was associated with the wider range of testing done during this period in the PDP. The SE was used to test a range of lithium-aluminum tubes to be used in the production of tritium. These, of course, were also tested in the PDP.

There were other projects as well. In the SP, there were tests on assemblies designed to irradiate cobalt, then being considered as a substitute for lithium-aluminum in the control rods. Even though cobalt was found to be an adequate substitute for regular control rods of 3.5 percent lithium-aluminum, it does not ever appear to have used as such until high flux operation, several years later. Other elements tested for their usefulness as tubular assemblies included uranium-233 and thorium-232.

Tests in the SE were also done on the negative effects of light water on the reactivity of lattices using natural uranium. As a result, it was possible to calculate the loss of reactor productivity that could occur with the introduction of light water into the reactor.[121]

Heavy Water Power Reactor Work, late 1950s – mid-1960s

When Savannah River was established in the early 1950s, there were no civilian power reactors in the United States, or anywhere else in the world, for that matter. Within just a few

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[119] Heston, "History, Savannah River Laboratory," 16-18, 29.
[120] Ibid., 29.
[121] Ibid., 17, 32-34.

years, however, this situation was turned on its head. Nuclear power reactors became the promise of the future and the search was on for new and improved methods of producing electricity from atomic power.

One common saying in reactor work is that, to be successful, a water-moderated reactor has to operate with either "enriched fuel or enriched water."[122] This effectively means that a nuclear reactor has to have *enriched uranium* in order to use light water, or *heavy water* (enriched water) to use natural uranium. In North America, both possibilities were already in full swing by the middle of the 1950s. The Canadians had been interested in heavy water reactors since the days of the Manhattan Project. By the 1950s, the Canadians had the NRX reactor on the Chalk River, and were well on the way to producing power reactors that ran on natural uranium, moderated by heavy water.[123]

In the United States, the other "enriched" alternative was being explored, largely as a result of Admiral Hyman Rickover's nuclear submarine program. In an environment where light water was virtually unlimited, the Navy based its reactors on enriched uranium. This preference spilled over into the development of civilian power reactors, and by the middle 1950s, most plans for U.S. power reactors followed the Navy's example. The AEC, which oversaw all aspects of the nation's atomic program, both military and civilian, wanted to do further work on the possibilities for heavy water reactors within the nascent civilian nuclear industry. Since Savannah River operated with heavy water moderated reactors, it was the natural site for this study.[124]

As early as September of 1956, the AEC requested that Du Pont inaugurate a program to study heavy water moderated power reactors, in addition to its regular nuclear materials production program. A formal request was made to that effect in November 1956. At that time, it was specified that Du Pont would create a power test reactor to be called the Power Components Reactor. It was to be capable of producing 100 megawatts, and was scheduled for completion by mid-1962. Later, this time restriction was removed. The request also stated that most of the work was to be done at Savannah River by the SRL.

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[122] Norm Baumann, personal communication, October 19, 1999.
[123] Peter Gray, personal communication, October 13, 1999.
[124] Norm Baumann, personal communication, October 19, 1999.

Under consideration were seven different reactor designs, all of which were heavy water moderated, using natural uranium fuel. Options were also to be considered for the use of pressure tubes or vessels, as well as the use of a hot moderator.[125]

This power reactor work at SRL began in 1957 with a survey of all feasible natural uranium, heavy water-moderated power reactor designs and lattices. By the time this survey was complete, in June of 1958, the AEC had changed the name of the program to "Heavy Water Components Test Reactor." At SRP, this mouthful was usually shortened to "Hector," based loosely on the acronym "HWCTR."[126]

This brief discussion is to provide some background for the great wave of changes that took place at 777-M, beginning in 1959. By that time, the SRL had decided that the PDP would be at the center of the experimental work on the new power reactor. It would help determine the nuclear parameters for the project, and it would help determine the fuel, target, and control rod arrangements needed for its operation.[127]

The first alteration was the modification of the "table top" over the PDP. The original table top, in place by 1957, was described as a series of stainless steel plate beams over the tank that were 18" high and 0-3/8" thick; the cover plates that rested on the beams were made out of aluminum and were 0-7/8" thick, each covering an area 6" x 7".[128]

This construction was extensively rebuilt during what was called the PDP Superstructure Work. The new tank top was designed to improve moderator conservation, and prepare the PDP for a series

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[125] E. I. Du Pont de Nemours and Company, *Savannah River Plant Engineering, Design, and Construction History of "S" Projects and Other Work, January 1961 through December 1964, Volume II,* Engineering Department, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract AT(07-2)-1, March 1970, 60-61; E. I. Du Pont de Nemours and Company, *History of the Savannah River Laboratory; Volume III — Power Reactor and Fuel Technology* (Covers period from November 1956 to December 1983), E. I. Du Pont de Nemours and Company, Savannah River Laboratory, June 1984, 3.

[126] Du Pont, *History of Savannah River Laboratory, Vol. III — Power Reactor*, 6, 9; Du Pont, *SRP Engineering, Design and Construction History of "S" Projects (1953-60)*, 533.

[127] Du Pont, *History of Savannah River Laboratory, Vol. III — Power Reactor*, 9.

[128] Du Pont, *SPR Engineering and Design History*, Vol. IV, 151.

of full-scale studies on the various power reactor lattices.[129] This new tank top was described a couple of years later in a report on the moderator features of the PDP. The new tank top had stainless steel removable beams that were 19" deep and 0-3/4" thick, with the beams spaced 5-1/2" apart. The beams were such that they could support 180 tons. The aluminum cover plates above the grid beams were set up with heavy water vapor seals. The plates were hinged, with gasketed lids that could be easily opened or even removed.[130]

Another feature of the new tank top was the way it was oriented. The sides of the top were not aligned with the walls of the room around the PDP, but were seriously offset. There was no apparent reason for this, and at present, it is simply not known why this was done.[131] Other alterations to the PDP during this transformation included cleaning the reactor tank and coating it with silicone. New element storage racks were also added.[132]

Alterations also occurred to the SP during this period. A new heat exchanger was added, as well as new shielding doors, to allow for a higher operating power from one to ten kilowatts.[133]

Construction of the PSE, late 1950s

Another addition to Building No. 777-M during this period was a brand-new reactor formally identified as the "Pressurized Sub-critical Experiment" or the "Pressurized Exponential Facility," but usually just referred to as the "PSE." The PSE was installed in 1958-59 along the west wall of the "standards room," the same room that contained the SP-SE adjacent to the east wall. The tank was ready for partial use as early as October 1958, and was finished in May of 1959. Water storage for this pressurized vessel was located in the west stairwell on the basement level.[134]

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[129] Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 10.
[130] Dunklee, *Heavy Water System*, 6.
[131] Peter Gray, personal communication.
[132] Du Pont, *SRP Engineering, Design, and Construction History of "S" Projects (1953-60)*, 573; 878.
[133] Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 10.
[134] Du Pont, *SRP Engineering, Design, and Construction History of "S" Projects (1953-60)*, 533-534.

The PSE was a pressurized tank 6'-0" high and 4'-0" wide. It was capable of withstanding 300 pounds of pressure per square inch, and was equipped with internal instruments to permit the testing of lattice patterns inside the tank. Its main purpose was to determine the precise characteristics of natural uranium fuel lattices in a heavy water moderator, at temperatures ranging from 100 degrees to 200 degrees Celsius.[135] It was designed to measure the operational boundaries of the HWCTR at high temperatures. At the time of its installation, the PSE was the only facility anywhere in the world capable of registering such readings.[136]

Over the next couple of years, the PSE performed a number of physics tests for the heavy water lattices at high temperatures, using uranium metal tubes and uranium oxide rod clusters. In 1960-61, it even did experimental work for the Swedish "R3/Adam" power reactor.[137] This work, however, did not last long. By 1962, when Chuck Jewell first came to work at 777-M, the tank was no longer used for any pressurized experiments.[138] It was deactivated in 1971.[139]

Other Additions, late 1950s – early 1960s

The late 1950s and early 1960s saw new traveling monitors installed in both the PDP and the PSE. A series of hand-drawn diagrams previously stored in 777-M indicate that these traveling monitors needed a few design changes before they would work effectively. Certainly by 1961, these monitors could adequately record axial flux distribution, and gamma compensation for the PSE.[140]

Another much large building change was the addition of a new neutron "counting room," for foils in nuclear tests. This was to be added underground at the basement level, off the northeast corner of the original building and was to be shielded with

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[135] Ibid.
[136] Norm Baumann, personal communication, October 19, 1999; Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 10.
[137] Ibid., 17.
[138] Chuck Jewell, personal communication, May 22, 2006.
[139] P. L. Roggenkamp, "PSE Reactivation," Memorandum to J. R. Hilley, Savannah River Laboratory, Technical Division, February 1, 1977.
[140] William J. Woodward, *A Traveling Flux Monitor for Exponential Piles*, E. I. Du Pont de Nemours and Company, Savannah River Laboratory, Aiken, South Carolina, AEC Research and Development Report, October 1961, 4.

concrete. The plans for this construction were drawn up in 1960, and it was built the following year. This room effectively replaced the old counting room, which was rendered unusable by the higher power level operation of the PDP and the other reactors in the building.[141]

The installation of the first computers in Building No. 777-M in the early 1960s may also have been related to the new counting room. These were IBM 650's and 704's that were used to do some of the more menial number crunching associated with the neutron tests. Soon it was found to be cheaper and often more accurate, to simply let the computers determine the results of an experiment, rather than run the experiment itself.[142]

Basics of the HWCTR Work

Among the first tests done in 777-M for the Heavy Water Component Test Reactor, was one to determine the best design for the prototype for the core.[143] The optimal design was found to be the "Case B-1," a large pressure vessel, with tubes of metallic uranium as fuel, and with hot heavy water used as both moderator and coolant. This type of reactor was projected to have the least technical problems of any of the possible alternatives.[144]

The other experimental physics work done at the PDP for the HWCTR project, included:

1. Determining in-hour equation for the heavy water reactors, with allowances for the effect of delayed photo-neutrons.
2. Determining better techniques for measuring fast-fission distributions.
3. Measurements of neutron age for various mixtures of light and heavy water
4. Determining the best power reactor lattice arrangement for HWCTR. It was noted that, "at the time these experiments were undertaken, there were no data on the reactivity of fuel assemblies with internal cooling channels."
5. Study of heavy water shields for power reactors

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[141] Peter Gray, personal communication, 17 May 2006; Du Pont, *SRP Engineering, Design, and Construction History of "S" Projects (1953-60)*, 803.
[142] Tom Gorrell, personal communication, January 30, 2006.
[143] Norm Baumann, personal communication, October 19, 1999.
[144] Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 3.

6. Study of metallic uranium fuel elements and uranium oxide fuel elements, specifically thin-walled uranium tubes, with zircaloy-2 as the cladding material. Part of this study included finding ways to make zircaloy more cheaply.[145]

By 1960-61, both the PDP and the SE were engaged in full-scale lattice studies associated with HWCTR. Twenty-one full reactor loadings were tested in the PDP, with natural uranium as the fuel; twenty-four loadings were done using uranium oxide as the fuel. Studies were also done in the SE to check metal fuel characteristics. In the course of this work, it was found that there were "discrepancies between the exponential and critical experiments," or in other words between the findings of the SE and those of the PDP. Also, studies were done in the SE on the effects of light water contamination. This sort of HWCTR work continued until at least 1963, long after the HWCTR went critical.[146]

The HWCTR work was perhaps the biggest mobilization of talent for a single program in 777-M since 1953, the very first year of the PDP's operation. Among the key 777-M and/or SRL people who worked on physics questions associated with HWCTR, were: E. O. Kiger, L. M. Arnett, Peter Gray, R. R. Hood, J. M. McKibben, Tom C. Gorrell, S. H. Kale, H. P. Olson, D. A. Ward, C. P. Ross, B. C. Rusche, C. D. Taylor, and V. D. Vandervelde.[147]

Operation of HWCTR and Its Aftermath

The test reactors within Building No. 777-M played an integral role in the development of the HWCTR, which was constructed in B Area within the Savannah River Plant. The test reactor, which was completed in 1961, had a core of 3'-3" diameter and 10'-0" tall, inside a 30'-0" vessel with outer coolant loops. The containment building was 70'-0" in diameter and 125'-0" high. HWCTR, also identified as Project S8-1086, went critical for the first time on March 3,1962, and ran at least intermittently until it was shut down for the last time on December 1, 1964. Soon after, it was placed on stand-by. The remaining program

[145] Ibid., 4-5.
[146] Ibid., 17, 38.
[147] Ibid., 64.

activities of the HWCTR Task Force were terminated in June of 1965.[148]

The results of the HWCTR program were useful, but limited. Parr Reactor in Parr, South Carolina, began producing electricity in April of 1963. Built by a consortium of local power companies that went by the name of Carolinas-Virginia Nuclear Power Associates, Parr was the first nuclear power plant in the Southeastern United States, and the only one in the nation to use heavy water as the moderator. To make this sort of nuclear power plant feasible, the AEC had contributed almost one-third of the funds required to build the plant.[149]

Parr Reactor did not start a trend, but rather ended it. Heavy water moderated power reactors never took off in the United States. Even though testing indicated that there could be corrosion problems with the zircaloy elements,[150] this was certainly not enough to stop the development of heavy water moderated power reactors. The real culprit was the general trend of the civilian nuclear industry, which by the early 1960s, was too far along the path toward light water and enriched uranium to seriously consider any other options.[151]

Even so, the end of the HWCTR program did not mean the end of all research into heavy water moderated power reactors at Savannah River. In 1963-64, there was work done in both the PDP and the SE for the French EL-4 Reactor, a gas-cooled and heavy water moderated vessel. A more ambitious program began in 1965, when the AEC inaugurated the Heavy Water Organic Cooled Reactor program, or HWOCR, as part of their study of "advanced-converter" power reactors. Because of the use of heavy water at Savannah River Plant, the SRL was involved in this program. Experiments continued into the use and corrosion problems associated with zircaloy elements. In the PDP, this new HWOCR program required mock-ups of burned up fuel tests, using both

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[148] Ibid., 6-7, 14, 23, 54-5; Du Pont, *SRP Engineering, Design, and Construction of "S" Projects (1961-64)*, 53.
[149] "Power Reactor at Parr Goes Critical," *Savannah River Plant News*, vol. XI, no. 5, April 5, 1963.
[150] Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 44, 54.
[151] Norm Baumann, personal communication, October 19, 1999; Peter Gray, personal communication, October 13, 1999.

depleted uranium and plutonium isotopes. Potential fuel assemblies were also tested in the SE.[152]

Even though the HWOCR program was cancelled in the spring of 1967, some of this same work continued in the AEC-AECL cooperative program set up for the development of heavy water power reactors. This became the Heavy Water Reactor program or HWR that was established in the summer of 1967 in Richland, Washington. Some of this work also continued in Building No. 777-M. One of the tests conducted in the PDP was element loading to test the effect of "strong asymmetrical positioning and particularly inserted control rods." Tests were also done to obtain "detailed flux profiles provided from bare and cadmium-covered gold pins." In the SE, there were tests to recover reactivity data about coolant boiling in light water-cooled lattice arrangements. By the late 1960s, however, HWR programs and other related work had largely petered out.[153]

Transplutonium Work at 777-M

Building No. 777-M was less engaged with the Transplutonium Program, at SRP than with the heavy water power reactor studies described above.[154] Even so, there were a number of building alterations that were proposed during that period that had some connection to the Transplutonium Program.

The Transplutonium Program began at Savannah River in the late 1950s, but were more fully developed in the late 1960s. Pushed by Glenn Seaborg, then chairman of the AEC, the Transplutonium Program was dedicated to the production of new man-made elements heavier than plutonium. This work began with the Curium I program in the middle 1960s, and continued through the Californium program in the late 1960s. Californium proved to be the heaviest of the new elements that were generated in the Savannah River production reactors.[155]

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[152] Du Pont, *History of Savannah River Laboratory, Vol. III – Power Reactor*, 38, 49, 60, 67-68.
[153] Ibid., 70, 76.
[154] Tom Gorrell, personal communication, January 30, 2006.
[155] Mary Beth Reed, Mark T. Swanson, Steven Gaither, J. W. Joseph, and William R. Henry, *Savannah River Site at Fifty* (Washington, D.C.: U.S. Government Printing Office, 2002), 430.

In Building No. 777-M, one of the first proposed alterations associated with transplutonium, proposed as early as 1963, was the addition of a Van de Graaff accelerator, to be mounted vertically in the southwest corner of the PDP room. The initial proposal called for the use of the existing counting room, offices and laboratories, with a new control room added to the southeast corner of the building. The Van de Graaff accelerator was to have been used to determine cross-section measurements for neutrons in the energy range of ten Kev to several Mev. This was part of the proposed expansion of the SRL research program, and had importance for the Transplutonium Program as well.[156]

This Van de Graaff accelerator was considered for a number of years, but was never installed. Even though it would have been useful in measuring nuclear cross-sections during the production of californium, by the end of 1968, it was finally decided to make more conventional changes to the existing facilities, namely the PDP and the SP-SE complex.[157]

One new feature that was added to the building was the Resonance Test Reactor (RTR), later identified as the Lattice Test Reactor (LTR). This was constructed in the late 1960s as a direct part of the Transplutonium Program. The theory behind the RTR was that if you took away some of the heavy water moderator and put the vertical elements closer together, you could force the neutron spectrum to go to a higher level of energy, referred to as a "resonance region." This was some sort of intermediate stage between slow (thermal) neutrons and fast neutrons. A resonance reactor was thought to be useful in the Transplutonium Program because it offered a different way to deal with reactor neutrons. In the production of transplutonium elements, the goal was not to use neutrons for fission, but rather for the new elements to capture as many neutrons as possible on the road to making californium.[158]

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[156] "Van de Graaff Accelerator, 300 Area – Building 777-M, Savannah River Plant, May 1963," E. I. Du Pont de Nemours and Company, DPST-63-188, revision 1.

[157] F. E. Kruesi, Letter to Nat Stetson, Manager, Savannah River Operations Office, U.S. Atomic Energy Commission, Aiken, South Carolina, December 6, 1968.

[158] Norm Baumann, personal communication, October 7, 1998.

The RTR tank was 10'-0" high with a diameter of 10'-0" and was situated beside the PDP. It was basically only two-thirds the scale of the production reactors, because it was assumed that it would need a smaller amount of material. It was designed to operate with a higher neutron speed, or a higher "trajectory" of neutrons, than would have been possible with thermal or slow neutrons.[159]

In the end, the RTR was not found to be particularly effective. High flux, which was still a slow thermal neutron program, was found to be more effective in the creation of californium than was the resonance reactor. In later years, when the reactor's name was changed to the Lattice Test Reactor, it was used in a more conventional manner to make precision measurements. In that capacity, it was basically considered a part of the PDP.[160]

Reorganization and Slow-Down, 1970s

Everything began to change for Building No. 777-M during the decade of the 1970s. First, there were changes in personnel and in management styles. These brought to the fore a greater concern for safety in the day-to-day operation of the facility. In all likelihood, this corresponded to the final perfection of the fuel and target assemblies as a result of two decades of testing in the PDP and SE, and in other Savannah River facilities. Even though other peripheral uses were found for the test reactor facilities in 777-M, with the successful completion of fuel and target testing, it soon became clear that the days of the PDP and the SE were numbered.

The 1970s saw a whole new group of people employed in 777-M. Among these was Peter Gray, who began work at Savannah River back in 1952, but was not transferred to Building No. 777-M until 1969. From that time until at least the middle of the 1970s, Gray was one of the management staff at 777-M.[161]

There were many others who came aboard during this same period. Charles E. "Chuck" Jewell was a regular during this era. Fred

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[159] Peter Gray , personal communication, May 17, 2006; Tom Gorrell, personal communication, January 30, 2006; Norm Baumann, personal communication, October 7, 1998; Chuck Jewell, personal communication, May 22, 2006.
[160] Norm Baumann, personal communication, October 7, 1998.
[161] Peter Gray, personal communication, September 15, 17, 1999; October 13, 1999; May 17, 2006.

Rhode, who worked in nearby Building No. 321-M, was also familiar with the 777-M facility.[162] In around 1970, the list of SP operators included Norm Baumann, C. L. Beeson, J. L. Jarriel, J. D. Spencer, D. J. Pellarin, V. A. Johnson, and J. D. Robertson. Among the many others who worked at 777-M during the 1970s, were: James M. Boswell, C. C. Ivey, J. K. Price, Polly Hill, Betty Wise, A. C. McPherson, P. B. Parks, A. A. Tudor, J. R. Bryce, R. L. Reed, S. E. Burdette, D. S. Cramer, W. G. Winn, N. H. Kuehn, W. E. Seiersen.[163]

The biggest shift to occur in personnel and in management style occurred in the early 1970s, when 777-M and in fact the entire Savannah River complex switched to a middle management style of operation. Trained managers were brought in to help run the facility, and this led to a reorganization at 777-M. In 1971, J. L. Jarriel was made overall head of the SP-SE complex, while C. E. Jewell was placed over the PDP-RTR operation.[164]

This was accompanied by a general change in the day-to-day operation of the building, with more detailed operational logs and checklists. There were checklists and approval sheets for the SP-SE facility, an SP-SE log, and SP Irradiation Request forms. In the case of the SE, there were lattice change requests, checkout and pump-up authorizations, multiplication measurements, and forms for the moderator system, all of which required a re-training of the operators.[165] There were also SP-SE Maintenance Logs and By-Pass Logs. Undoubtedly, there were similar changes to the PDP operation.

There is some question as whether these changes represent a real break with the past operation of the building facilities, or whether more is simply known about them solely because they are more recent and the pertinent forms have survived. Without a doubt, there were earlier forms that governed the operation of the building facilities. These may have been discarded as unnecessary after the 1970s. Even so, there does appear to have

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[162] Fred Rhode, personal communication, June 12, 2003.
[163] General information from 777-M work sheets dated to 1970s, including a notebook entitled "SP-SE Goodies," on file, SRS History Project, Temporary Curation Facility.
[164] Norm Baumann, personal communication, October 19, 1999; Peter L., "Functions and Responsibilities of EPD Engineering Group," General Memorandum, Savannah River Laboratory, Technical Division, January 7, 1971.
[165] Forms on file, SRS History Project, Temporary Curation Facility, e.g. SE Lattice Change Requests, 1971-77; DPSTOM-7, vol. 1, revision 5, date: 6/78.

been a tightening of the overall operation of the PDP and the SP-SE in this decade, and there is documentation to support that. In the case of the SP, there had previously been monthly checks of the neutron source material; in the 1970s the inspections were daily.[166]

Safety was one of the big issues that drove this move toward greater documentation. This was a general plant-wide concern throughout this decade and in the years that followed. But another factor was that the operation of the PDP and SP-SE was starting to wind down. By the early 1970s, there was a sense that the optimum arrangements of the fuel and target elements had been achieved, making the original function of 777-M less urgent. By the 1970s, the Mark 22 element was recognized as the optimum tritium producer, just as a combination of Mark 14, 16, and Mark 30 series was recognized as the best for the production of plutonium. Increasing sophistication, not only of the assemblies, but also the lattice arrangements, reached a certain plateau by the 1970s. And the PDP and the SP-SE had played a significant role in that development. Soon it was obvious that the original function of the building had reached its limits, but it was not yet clear what the future would bring.

During this period of transition, Building No. 777-M was considered as a possible site for a Californium Irradiation Facility (CIF). Californium, or Cf-252, was the end product of the Transplutonium Program that had been on-going at Savannah River since the 1960s. Californium had been created largely as an experiment, but after the fact, much work was done at Savannah River to find uses for this new man-made element. Within Building No. 777-M, consideration was given to using the PSE tank for storing californium during this period. The PSE tank, which had been retired from its original function in 1971, was proposed for neutron radiography and activation experiments associated with californium. Such experiments in the SP would have required a run of over an hour at eight kilowatts of power. Similar experiments would have been easier in the PSE, and could be done there without an operator on constant call. To re-fashion the PSE for this purpose, it was suggested that the tank top be replaced with another design, using light water in the

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[166] Norm Baumann, Peter L. Gray, and J. L. Jarriel. "Proposed Modifications to SP Operations," Memorandum to P. L. Roggenkamp, Savannah River Laboratory, Technical Division, February 5, 1975, 1-2, 5.

vessel for adequate shielding.[167] By 1978, it was proposed that the CIF would use a 3 mg californium source and be situated in the PSE tank that was "originally designed as a pressurized subcritical reactor."[168]

Despite these plans, it appears that there was never a formal CIF facility as planned. The PSE tank did, however, hold a "californium shuttle," which was used to provide neutrons. The shuttle was a californium pulse-neutron generator, which was usually kept inside the PSE tank, from which the top had been removed. The shuttle fit on top of the tank.[169]

During this transitional period, there were even connections with outside irradiation work. In 1978, Dr. Ignun Hahn of Benedict College expressed an interest in using the 777-M facilities to determine trace amounts of impurities in the air and rainwater samples from Columbia, South Carolina.[170] It is not certain whether the facilities were ever employed in this manner. If they were, it was certainly not for long.

Throughout the late 1970s, there was increasingly less activity in both the PDP and in the SP-SE complex, and this decline can be discerned from the operation logs. In fact, according to the SP-SE Log, the last reactor run in those vessels was made on 23 March 1979, and the entire building went on stand-by in late May and early June of the same year.[171] Effectively, the 777-M facility ceased experimental work in 1979.[172]

To some degree, the PDP and the SP-SE facilities in Building No. 777-M were killed by their own success. Both reactor facilities contributed to the final success of the Savannah River mission, which was to produce plutonium and tritium for the nation's nuclear arsenal. The facilities at 777-M were instrumental in the testing of both the nuclear properties of Savannah River

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[167] P. L. Roggenkamp, "PSE Reactivation," Memorandum to J. R. Hilley, Savannah River Laboratory, Technical Division, February 1, 1977.
[168] C. E. Jewell and W. G. Winn, *Safety Analysis of the 252-Cf Irradiation Facility in Building 777-M*, E. I. Du Pont de Nemours and Company, Savannah River Laboratory, Aiken, South Carolina, October 1978, 5-7.
[169] Chuck Jewell, personal communication, June 14, 2006.
[170] E. J. Lukosius, "Discussion with Dr. Hahn," Memorandum to E. I. Baucom, Technical Division, Savannah River Laboratory, August 4, 1978.
[171] SP-SE Log (with entries from January 15, 1971 to April 30, 1979, when Building 777-M went on standby), 255.
[172] Chuck Jewell, personal communication, May 22, 2006.

production reactors, and the vertical fuel and target elements that had to go into these reactors. Without the PDP and the SP-SE, this achievement might have been compromised.

Another factor played a role in the demise of the PDP and SP-SE. This was the rise of increasingly powerful computers, first introduced into the nuclear production at Savannah River in the early 1960s, and upgraded with increasingly frequency in later years. By the 1970s, such computers were powerful enough to run all of the numbers needed to determine the flux calculations for most nuclear problems that might arise at Savannah River. They were also far less expensive to run than the experimental physics tanks housed in 777-M. By the 1970s, computers were clearly preferred for such work over active test facilities like those in 777-M.[173]

Transition to 777-10A, 1980s-1990s

On June 10,1980, a meeting of the Laboratory Services Division (LSD) was held to review the status of Building No. 777-M. At that time, it was determined that the Savannah River Laboratory would transfer the building directly to Savannah River Plant. All Laboratory staff would vacate the premises, and any future criticality responsibilities in 777 would be assumed by 300-Area personnel.[174]

During this period, barriers were put up to isolate the PDP and SP-SE tank and control room areas from the rest of the building. This would allow occasional experiments to be conducted, and these occasional experiments occurred right up until 1988, when the PDP was used for the last time.[175] The rest of the building, however, was now free for other functions, and this was soon the home of Savannah River Plant's Audio-Visual Services. For this reason, the formal building designation was changed from 777-M, with its implied emphasis on manufacturing, to 777-10A, which suggested a more administrative function.[176]

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[173] Tom Gorrell, personal communication, January 30, 2006.
[174] D. T. Rankin, E. Nomm, R. L. Reed, D. J. Reif, and R. D. Lee, "Minutes: SRL Criticality Review Committee, June 10, 1980," Technical Division, Savannah River Laboratory, June 13, 1980.
[175] Norm Baumann, personal communication, October 7, 1998.
[176] Tom Gorrell, personal communication, January 30, 2006.

Beginning in the early 1980s, most of the offices and basement facilities of 777 were turned over to Audio-Visual Services, which used the building both as a studio and as a storage facility. Audio-Visual Services, in fact, was a new creation; earlier, this sort of work at Savannah River had been done by the Training Department. Audio-Visual was not to be confused with Photography, at least not during this period. In the 1980s, Audio-Visual Services and Photography were two separate organizations. Only since the closure of 777-10A have Audio-Visual and Photography been merged into "Photography and Video Documentation Services," sharing the same building and the same supervisors.[177]

In 1981, when Audio-Visual first occupied Building No. 777-10A, the facilities there included a 30'0" x 30'0"studio, various smaller television and video studios, editing suites, and facilities for audio recording. Initially, the purpose of Audio-Visual Services was to facilitate video training for the plant. Within a year or so, the purpose of the organization had gone from training, to video production for internal and external use. Later, the name was changed to Video Services. They produced everything from safety films, technical films for production, and three-dimensional animation. They also housed an extensive library that included old 16mm safety films from the 1940s and 1950s, as well as modern videos.[178]

Video Services was not the only new tenant in Building No. 777-10A. In 1982, the Site Utilities Department (Electrical Power Department) moved into ground floor offices in the front or east side of the building. Site Utilities occupied this area until 1999, when all tenants had to vacate the building.[179]

In the middle of this transitional period for the building, there was another transition of far greater impact to Savannah River. In 1987, Du Pont decided not to renew its contract with the Department of Energy (DOE). The AEC was a predecessor agency to DOE. Two years later, Westinghouse Savannah River Company became the prime contractor at SRP after Du Pont departed and the name of the production facility changed from Savannah River Plant to Savannah River Site.

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[177] John Brecht, personal communication, July 19, 2006.
[178] Ibid.; Tom Kotti, personal communication, July 20, 2006.
[179] Tom Kotti, personal communication, July 20, 2006.

During the two decades that Video Services occupied 777-10A, they stayed abreast of the latest technological innovations. In the mid-1990s, they were among the first in the Southeastern United States to work with non-linear editing, done by computer. This period, which corresponded to the early years of Westinghouse, probably represented the peak of Video Services, when some sixteen staff members worked in 777-10A. At that time, Video Services provided a wide range of services to Savannah River Site: everything from employee communication films, emergency response work, and safety videos. At that time, the production facility was considered one of the largest in the region.[180]

During this period, which was clearly peripheral to the original mission of 777-M, there was a slow dismantling of the original facilities. By 1998, if not before, the heavy water had been removed from the PDP tank system, and some of the auxiliary equipment had been removed from the building. The tank itself and the top casing remained in place until late June of 2005. In 1999, both Video Services and Site Utilities moved out, when it became clear that the building was destined for future decommissioning and possible demolition.

In 2001, Building No. 777-M, the Physics Assembly Laboratory, was evaluated for its National Register of Historic Places eligibility and was considered to be historically significant for its role in the Cold War and as an excellent example of twentieth-century engineering. At that time, it was considered feasible to preserve the building at minimal operational costs.[181] In 2005, SRS elected to demolish the facility. The PDP tank top, its control room console and panels, and the SP/SE control console and panels were removed in late June of that year for potential future interpretation of the building's Cold War historic mission and the building itself was demolished by year's end.

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[180] John Brecht, personal communication, July 19, 2006.
[181] K. O. Darden, "Deactivation Plan, 777-10A Physics Laboratory," Westinghouse Savannah River Company, Savannah River Site, Aiken, South Carolina, May 9, 2001, 5.

PART II. BUILDING DESCRIPTION

Building Setting and General Description

Building No. 777-M was constructed at the southwest edge of the combined 300 and 700 areas, also known as M and A areas. M and A areas, near the northern perimeter of Savannah River Plant, housed the plant's administrative offices, the Savannah River Laboratory, and the plant's fuel and target manufacturing area. The building faced Road D.

In terms of general construction, the basic building details were comparable to other SRP buildings. The foundation was reinforced concrete, as was the superstructure around the PDP. Structural steel was used as superstructure in the other parts of the building. The roof consisted of open web roof joists, and the exterior walls were formed with sheets of flat cement asbestos board, known as "Transite™."[182]

In plan, the building was L-shaped, with a multistory reactor wing that was boxlike in shape on the west side, and a one-story laboratory wing projecting to the east. Designed to be functional, the building was more of an envelope covering its installed equipment. The personnel entry was located on the east side of the laboratory wing, facing the parking lot. The reactor wing covered an area 83'-2" x 128'-8"; the laboratory wing, 52' x 145'-11". The entire building had a full basement, but there was also a sub-basement underneath the PDP. Total floor space, including corridors, was approximately 53,900 square feet.[183] Only the laboratory wing had windows.

The building had its own perimeter fence, parking lot, and guardhouse. The guardhouse was added after the construction era to provide easy access to the building for the 777-M staff.

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[182] Du Pont, *SRP Engineering and Design History*, Vol. IV, 135.
[183] Ibid., 130-135; Voorhees Walker Foley and Smith, *Savannah River Plant Engineering and Design History, Volume II of II, Design Development and Description of Buildings, Equipment and Facilities (Appendix B)*, New York: Voorhees Walker Foley and Smith, Subcontractor for Engineering Department, E. I. Du Pont de Nemours and Company, Wilmington, Delaware, Prime Contractor for United States Atomic Energy Commission, U.S. Contract No. AT(07-2)-1, Du Pont Project 8980, Subcontract No. AXC-6-1/2, December 1, 1953, 162-163.

Reactor Wing

The reactor wing, in particular the PDP area, contained six levels, identified by their distance above and below ground level. The lowest level, minus 37'-3" (usually written –37'-3"), was the Moderator Storage Tank area, with all of its various process piping and valve work. Above this was Level –28'-3", known as the Sub-Basement Experimental Area. Level –15'-3" was the Basement Experimental Area; this was the level of the PDP reactor tank (the base of the tank rested on this level) and the moderator recovery facilities. This level also contained the Basement Service Area, which had electrical controls for the PDP, including the control rod drives and emergency power equipment, all within a shielded area. The main floor of the reactor wing, located at Level 0'-0", contained the PDP reactor top, as well as the moderator loading and unloading station, and storage area for the control rods. Also located at Level 0'-0" was the PDP control room.

Above the main floor was the Mezzanine Area (Level +13'-1"), which contained the moderator purification facilities, the reactor vent, and a walkway. Also at this level was the Fan Room, with heating and ventilation equipment for the reactor area. The upper-most level (+27'-0") consisted of two areas: the Upper Floor Experimental Area and the Upper Floor Storage Area. The former provided access for loading the PDP reactor and handling the fuel samples. It also contained the sheave racks for the cable-operated rods and the safety rod drive motors. The latter, the Upper Floor Storage Area, contained racks for the storage of the vertical elements for the reactor, and had access for the fuel elements to be lowered to the assembly and disassembly area. The whole upper floor area was also served by a motorized bridge crane that operated at this level.[184]

Within the reactor wing, there was also the Standard Pile Area. This consisted of the SP experimental room located at Level –15'-3"; the upper experimental room at Level 0'-0", with a monorail one-ton hoist; the SP Nuclear Physics laboratory (-15'-3"), as well as the SP control room and operations office.

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[184] Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 159; Du Pont, *SRP Engineering and Design History*, Vol. IV, 130-133.

Also within the reactor wing was the Assembly Area, where fuel loadings were prepared for both the PDP and the SP. This area was shielded from the reactors for worker safety. The basement portion of this area contained the SP assembly area, a vault for critical material storage, a compressor room for refrigeration facilities, and an elevator equipment room. The ground level of the Assembly Area contained the main PDP assembly equipment, storage racks for loaded fuel tubes, a covered loading dock, and an elevator. The +16'-0" level had steel frames used to hang the fuel tubes.

The reactor wing was well preserved with little changes over time. Much of the process area was used for equipment and incidental storage related to the building's use under Site Video Services. Even the SP/SE reactor room was used for storage. Two balances used for making weight determinations were stored there.

In 1981, when Site Video Services began their occupation of the building, some changes occurred but most of these were sympathetic to the building's historic fabric. An AV Studio, 30'0" x 30'0" was positioned in the available space between the PDP reactor room and the SP/SE reactor room on the first floor. No changes were made that appear to have affected the integrity of that area. However, the SP/SE control room on the north side of the building was altered. The control panels for those test reactors were located in a room accessed from the main corridor in the laboratory wing. When Site Video Services moved into the building, this area was converted into a sound room shown on the photo key as A128. An edit room and video room were also created in this area. The conversion was accomplished sensitively, using partition walls. All original control room equipment related to the SP/SE reactor remained preserved in place. Documentation photography of this control room area took place after the partition walls were removed.

Laboratory Wing

The laboratory or office wing of the building had just one story at ground level, but also had a full basement across the entire wing. The main floor featured a central corridor flanked on both sides by laboratories and other purpose rooms. There was a dark room, a counting room, an instrument repair shop, a Health Physics room, lunchroom, men's locker room; toilets for men and

women, and a janitor's closet. The ground floor contained seven offices and three labs for chemical, mechanical, and electronics work. In addition, the basement level contained service rooms for the air conditioning, hood vent fans, and various piping. It also contained an SP Neutron Beam Room for conducting beam tests from the neutrons provided by the SP. There was a balance room for making sensitive weight determinations.[185]

Unlike the reactor wing, the laboratory wing experienced considerable change when it was adapted for office use. Installed equipment was removed from the shops and laboratories. Floors were carpeted and ceilings modified with drop ceilings using acoustical tiles. The below grade area was also modified. The counting room added in the early 1960s in an offset manner to the northeast corner of the building was adapted for reuse as a conference room probably in the 1980s and was outfitted accordingly. Also a cluster of partition walled offices were built out between the counting room and the reactor wing area during that period.

Test Reactor Descriptions

Process Development Pile (PDP)

The large PDP complex was situated in the southwest corner of the reactor wing. The PDP reactor, moderated by heavy water, was a critical facility for reactor physics studies at low power levels. As an experimental reactor, it was designed for maximum flexibility, with a wide range of lattice components and arrangements. The tank itself was fashioned out of Type 304 stainless steel and was 15'-6" high with an interior diameter of 16'-2". The wall of the tank was 1/2" thick; the bottom of the tank was 1". The tank was designed to be filled with moderator to a height of 15'-3", holding a volume of 3,150 cubic feet. In 1953, when the reactor was first put to use, it was still possible to see the top of the reactor tank. By 1957, when the official Du Pont design and engineering and construction histories were compiled, the reactor top was described as being covered with a tank top that measured 20'-0" x 20'-0" x 2'-0". There were sixty-two support beams, topped by cover plates that

[185] Du Pont, *SRP Engineering and Design History*, Vol. IV, 133-134; Voorhees Walker Foley and Smith, *SRP Engineering and Design History, Vol. II*, 159-160.

were 7/8" x 6" by various lengths.[186] The reactor top allowed a number of different lattice spacings, a versatility that was useful for producing different products in the reactor.

The vertical elements that went into the PDP consisted of 2400 fuel tubes placed into 606 quatrefoils, or Q-foils, each with a bundle of four fuel tubes. This allowed for a total of 105 tons of fuel to be placed inside the reactor. In addition, there were sixty-one "C" (control rod) cluster assemblies, each with five lithium-aluminum alloy control rods and two cadmium control rods. Ten of these assemblies were operated remotely; fifty-one were positioned by hand. There were also 120 safety rod assemblies, including sixty units for shutdown rods and two units for source rods.[187]

Reactivity within the PDP tank was controlled by three different systems, each supplied with 1"-diameter cadmium-sheathed rods. The first system consisted of the control rods, which could be positioned at any height within the reactor. The second system was comprised of the safety rods, which could be dropped into the tank within 1.5 seconds in the case of a "scram," or other emergency nuclear event. The third system consisted of the shutdown rods, located in four banks, each independently controlled.[188]

There were three different types of motor drives for these vertical elements. The "A" motor drive powered the control rods. The "B" motor drive operated the safety rods. The "J" motor drive controlled the shutdown rods. Among all of the heavy water-moderated reactors at Savannah River, the shutdown rods were unique to the PDP. They were added to reactor control as an extra measure of safety.[189]

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[186] Albert E. Dunklee, *The Heavy Water System of the Process Development Pile*. Experimental Physics Division, E. I. Du Pont de Nemours and Company, Savannah River Laboratory, Aiken, South Carolina. AEC Research and Development Report, DP-567, June 1961, 5; Du Pont, *SRP Engineering and Design History*, Vol. IV, 137; B. H. Mackey, "Reactor Safeguards – PDP," Letter to Curtis A. Nelson, Manager, U.S. Atomic Energy Commission, Savannah River Operations Office, Augusta, Georgia, February 26, 1953, 6.

[187] Du Pont, *SRP Engineering and Design History*, Vol. IV, 137.

[188] Dunklee, *Heavy Water System*, 6.

[189] Du Pont, *SRP Engineering and Design History*, Vol. IV, 137-137; Norman Baumann, personal communication, October 7, 1998; Chuck Jewell, personal communication, May 22, 2006.

The material that made reactivity possible in the PDP was the heavy water moderator, which had its own system for entering and leaving the reactor tank. The main equipment for the PDP moderator system consisted of the two storage tanks below the PDP, the pumps and the piping between the storage tanks and the reactor tank, and the de-ionizing controls. The auxiliary equipment consisted of a heat exchanger loop for heating and cooling the heavy water, a hot air blower and refrigeration system for drying the entire moderator system when not in use, a leak detection system, and last but not least, the system control and operating instruments.[190]

The key ingredient of the moderator system was the heavy water moderator itself. The PDP moderator system is believed to have originally held 100 tons of heavy water, but this was soon upped to 110. This heavy water was stored in two aluminum tanks located in the sub-basement. Each tank was capable of holding 13,000 gallons. The PDP could be loaded from these tanks in less than thirty minutes, at levels ranging from 3'-0" inside the tank, to 15'-3". Filters installed throughout the system captured small particles, and there were resin beds and ion exchangers to capture the smaller impurities.[191]

Within the PDP system, ionic cleanliness was important, since ionic contamination could cause corrosion. Ionic purity was achieved with an ion exchange system that maintained an electrical resistivity of approximately three megohm-cm, through the use of a mixed-bed ion exchange column. This system could de-ionize heavy water at the rate of fifteen to twenty gallons per minute.[192]

As a rule, the PDP reactor tank was filled and emptied remotely by means of a moderator system control panel, located in the reactor control room. This panel had indications for tank liquid levels, valve positions, moderator conductivity, and moderator temperature.[193] Other aspects of the PDP were also managed from this control room, usually by at least two operators. One operator remained at the console with the main

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[190] Dunklee, *Heavy Water System*, 5.
[191] Dunklee, *The Heavy Water System*, 2, 13, 36; Peter Gray, personal communication, May 17, 2006; Norman Baumann, personal communication, October 7, 1998; Du Pont, *SRP Engineering and Design History*, Vol. IV, 153.
[192] Dunklee, *The Heavy Water System*, 11, 18.
[193] Ibid., 13.

instruments; the other did micro-managing of the control rods at the "trim panel." Among the measurements monitored within the PDP control room, there was a Low-Level Neutron Measurement, which sounded with an audible pop every time a neutron was detected. There was also a High Level Neutron Measurement, provided by a group of ion-chamber neutron detectors around the reactor. This information was provided to a neutron panel in the control room, and would set off a "scram" if necessary. Moderator Temperature Measurement was established by thermocouples within the reactor. Moderator Level and Flow Control was managed through the "graphic panel" in the control room.[194]

SP-SE Test Reactors

The SP-SE complex was situated in the northwest corner of the wing. Like the PDP, six-feet thick concrete walls shielded the SP and SE tanks. The surrounding exterior walls were four feet thick. The SP-SE reactor room itself was 16'-0" wide, 35'-0" long, and 30'-0" high. This space was divided into upper and lower rooms by a steel grate floor at Level 0'-0". The SP or Standard Pile, was located along the eastern wall of the lower room, with the tank base resting at level minus 15'-3". The SE, or Exponential pile, was situated directly above the SP, with the top of the SE tank located at Level 0'-0".[195]

The SP and the SE, though usually operated in tandem, were very different reactors. The SP, based on a General Electric design, was graphite-moderated, and water-cooled when necessary. It was a reactivity testing device and a source of neutrons for the SE located directly above it. The SP reactor was fueled by enriched uranium. The fuel core was a hollow cylinder inside a five-foot graphite core. The core consisted of sixteen assemblies evenly spaced around the annular chamber. A four-foot graphite cube on the east side of the SP formed a thermal column that was isolated from the core by a layer of cadmium rods. This provided access from the SP into the neutron beam room immediately to the east. Neutrons from the SP also entered

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[194] Du Pont, *SRP Engineering and Design History*, Vol. IV, 141-143.
[195] J. L. Jarriel, C. E. Ahlfeld, and J. P. Church, *Safety Analysis of the SP/SE Experimental Complex*, E. I. Du Pont de Nemours and Company, Savannah River Laboratory, Aiken, South Carolina, May 1976, 13-15.

the SE immediately above by means of a 17"-high cylindrical graphite pedestal situated on top of the SP.[196]

The SP core had a reactor fuel container in the shape of an annular aluminum can. This can had an interior diameter of 12", an outside diameter of 18", and a length of 18". It could hold sixteen fuel rods, as well as the light water coolant. The fuel rods were loaded into the container through a slot in the north side of the reactor. Fuel for the SP usually took the form of small uranium-aluminum alloy disks, clad with aluminum. Each disk was around three inches in diameter and 0.075" thick, with half-inch holes in the center. These disks were spaced evenly on aluminum rods 15 inches long, and were separated by aluminum washers.[197] Informally, they were referred to as "shish kabobs."[198]

There were a number of instruments to monitor the progress of the SP operation. There were five ionization chambers used to detect high and low neutron levels. There were also flux level monitors. Much of this instrumentation, like the reactor itself, was designed by General Electric.[199]

The SE or Subcritical Experiment (also known as the "exponential tank" or "exponential pile") was an exponential tank with a flexible lattice arrangement that operated in conjunction with the SP. The SE was separated from the SP, its neutron source, by a cadmium shutter.[200]

Unlike the SP, which was a graphite reactor, the SE was a heavy water-moderated facility. The tank was 7'-0" tall, with an interior diameter of 5'-0". The vessel wall was three-eighths

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[196] Ibid., 15; Peter Gray, personal communication, May 17, 2006; J. P. Church, "SPCode: An Accident Analysis Code for the Standard Pile and the Nuclear Test Gage." Memorandum to P. L. Roggenkamp, Savannah River Laboratory, Technical Division, May 27, 1976, 2; J. K. Price, G. F. Merz, F. J. McCrossen, and J. D. Spencer, *Operating Manual and Procedures, SP-SE Complex in Building 777-M.* E. I. Du Pont de Nemours and Company, Savannah River Laboratory, Aiken, South Carolina, June 1978, 9.

[197] Jarriel et al., *Safety Analysis of the SP/SE*, 15-20.

[198] Chuck Jewell, personal communication, May 22, 2006.

[199] Du Pont, *SRP Engineering and Design History*, Vol. IV, 143; Jarriel et al., *Safety Analysis of the SP/SE*, 29.

[200] Baumann, personal communication, October 7, 1998; Gray, personal communication, May 17, 2006; Du Pont, *SRP Engineering and Design History*, Vol. IV, 130.

of an inch thick, with the base of the tank three-quarters of an inch thick. The sides were lined with a one-sixteenth inch layer of cadmium, and a two-inch layer of thermal insulation. The SE tank top was constructed to accommodate seven-inch triangular pitch lattices. The SE moderator system was served by a 1,000-gallon stainless steel storage tank (and two auxiliary tanks) and a twenty-five gallon-per-minute submerged pump, located at the minus 15'-3" level in the SP room. Usually holding heavy water, the system could pump light water, depending on the experiment required in the SE. The SE tank could hold specially sized quatrefoils, septifoils, and fuel tubes, similar to those used in the large reactors, except for their shorter length.

An elaborate health monitoring system was installed in 777-M to cover both the PDP and the SP-SE. A total of twenty-two ionization chambers were situated in the reactivity areas and around the building to check for radiation leaks. Interlock systems prevented access to either the PDP or the SP-SE when the reactors were in operation. There was also a scram system in the unlikely event of a nuclear mishap.[201]

PART III. SOURCES OF INFORMATION

A. Engineering Drawings and Plans:

The as-built construction details for Building No. 777-M come from three basic sources. Two were produced by E. I. Du Pont de Nemours and Company, the main AEC contractor for the plant: *Savannah River Plant Engineering and Design History, Volume IV of VI; 300/700 Areas and General Services and Facilities* and *Savannah River Plant Construction History, Volume IV of IV; Construction 300-M, 400-D, 700-A, and 500/600/900-G Areas*. The third was produced by one of Du Pont's major subcontractors, Voorhees Walker Foley and Smith: *Savannah River Plant Engineering and Design History, Volume II of II, Design Development and Description of Buildings, Equipment and Facilities*. Du Pont was the prime contractor for both the construction and operation of Savannah River Plant, and had direct responsibility for the plant and its production. Du Pont drew up most of the reactor details pertinent to the building. Even so, Du Pont used a number of subcontractors in the course

[201] Jarriel et al., *Safety Analysis of the SP/SE*, 31-32, 37, 50; Du Pont, *SRP Engineering and Design History*, Vol. IV, 139, 143.

of constructing the plant, and one of the main subcontractors was the firm of Voorhees Walker Foley and Smith. This firm, under Du Pont supervision and direction, provided much of the final design to the building.

Twenty-three engineering drawings were photocopied for this documentation. They show the building's elevation and plans. The main drawings associated with the test reactors are also provided. These were used with the histories cited above to describe the building and its reactors. The originals of these drawings are currently on file at Savannah River Site's "Document Control," located in N Area (Central Shops).

B. Early Views and Historical Data:

SRS maintains a large and rich collection of historic views that show the 777-M, Physics Assembly Laboratory, from its construction to its demolition. Some of these views are included in the Appendix along with isometric drawings produced by Du Pont to show how the test reactors worked. All views are dated and captioned. The historical data comes from a variety of sources cited in the Bibliography below.

Special note needs to be given to the site histories. Du Pont and most of its major subcontractors compiled histories of their respective contributions to the Savannah River Project, and many of these histories convey the data found in the context. They provide the best documentation available for the design and construction of the buildings, equipment, and processes used in the first wave of construction at Savannah River. Among the sources used here are Du Pont's separate histories for engineering and design and for construction (*Savannah River Plant Engineering and Design History* and *Savannah River Plant Construction History*). The primary Du Pont subcontractors most closely associated with Building No. 777-M, were Voorhees Walker Foley and Smith and American Machine and Foundry, both of which compiled engineering and design histories of their contributions, including the work they performed on 777-M.

Finally, the Atomic Energy Division Records associated with the Du Pont Company, including SRS-related materials, are held by the Hagley Museum and Library, located in Wilmington, Delaware. This record group has information about Du Pont's activities

from the Manhattan Project era to the Cold War, and a finding aid has been produced for the collection.

C. Interviews:

The following extremely knowledgeable former and current SRS employees were interviewed for this documentation and each provided a tremendous amount of information about the history of 777-M's operations. Full transcriptions of the personal interviews are provided in the Field Records.

Baumann, Dr. Norman P., Aiken, SC; tour of Building No. 777-10A, October 1998; personal interview, October 1999 (now deceased).

Brecht, John, SRS Photography and Video Documentation Services; telephone interview, July 2006.

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Kotti, Tom, SRS Photography and Video Documentation Services, telephone interview, July 2006.

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E. I. Du Pont de Nemours and Company. *Savannah River Plant Engineering, Design, and Construction History of "S" Projects and Other Work, November 1953 to December 1960*. Engineering Department, Wilmington, Delaware. Prime Contractor for United States Atomic Energy Commission. U.S. Contract AT(07-2)-1. December 1963. DPE-2284, Vol. 1, KRR. On file, SRS Archival Records.

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E. Likely Sources Not Yet Investigated:

The author has tried to be as comprehensive as possible but there are always additional avenues of research. Some information concerning 777-M's operational life may be held within classified records. Archival collections at Argonne National Laboratory may also yield data on early reactor types that was unavailable to this study.

PART IV. PROJECT INFORMATION

The Physics Assembly Laboratory or 777-M was determined eligible to the National Register of Historic Places (NRHP) by the DOE and South Carolina State Historic Preservation Office (SHPO) in 2003 at the national level for its significance in engineering and its association with the Cold War. It was also considered to be eligible as part of a SRS Cold War Historic District. DOE stewards its NRHP-eligible properties under a Programmatic Agreement that stipulated the creation of a Cultural Resources Management Plan (CRMP). This HAER Level II documentation was performed as mitigation for the loss of the historic property demolished in 2005. SHPO concurred with this mitigation approach in 2004 through a formal notification process defined in the CRMP for SRS undertakings that affect SRS Cold War properties.

Washington Savannah River Company (WSRC) and New South Associates conducted the HAER study between 2004 and 2006. Byron Williams and Steven Ashe with WSRC were project photographers. It should be noted that due to the presence of radiological contamination and other safety constraints, medium-format photography was used to document areas in the building including the SP/SE Reactor Room on –15 level where large-format

photography was not permitted. The medium-format views have been submitted as field records with an index as advised by the National Park Service. Historic views from the 1960s of this important area were included in Appendix A to balance out this omission in the large format photographic documentation. In addition, medium format detail views of the PDP's sheave racks, motors, tilting table and an aerial view of the PDP tank top are included in the field records.

Mark Swanson of New South Associates was the project historian and he performed the research, conducted the oral interviews, and compiled the documentation. Mary Beth Reed, also with New South Associates, assisted with the photographic fieldwork and project oversight.

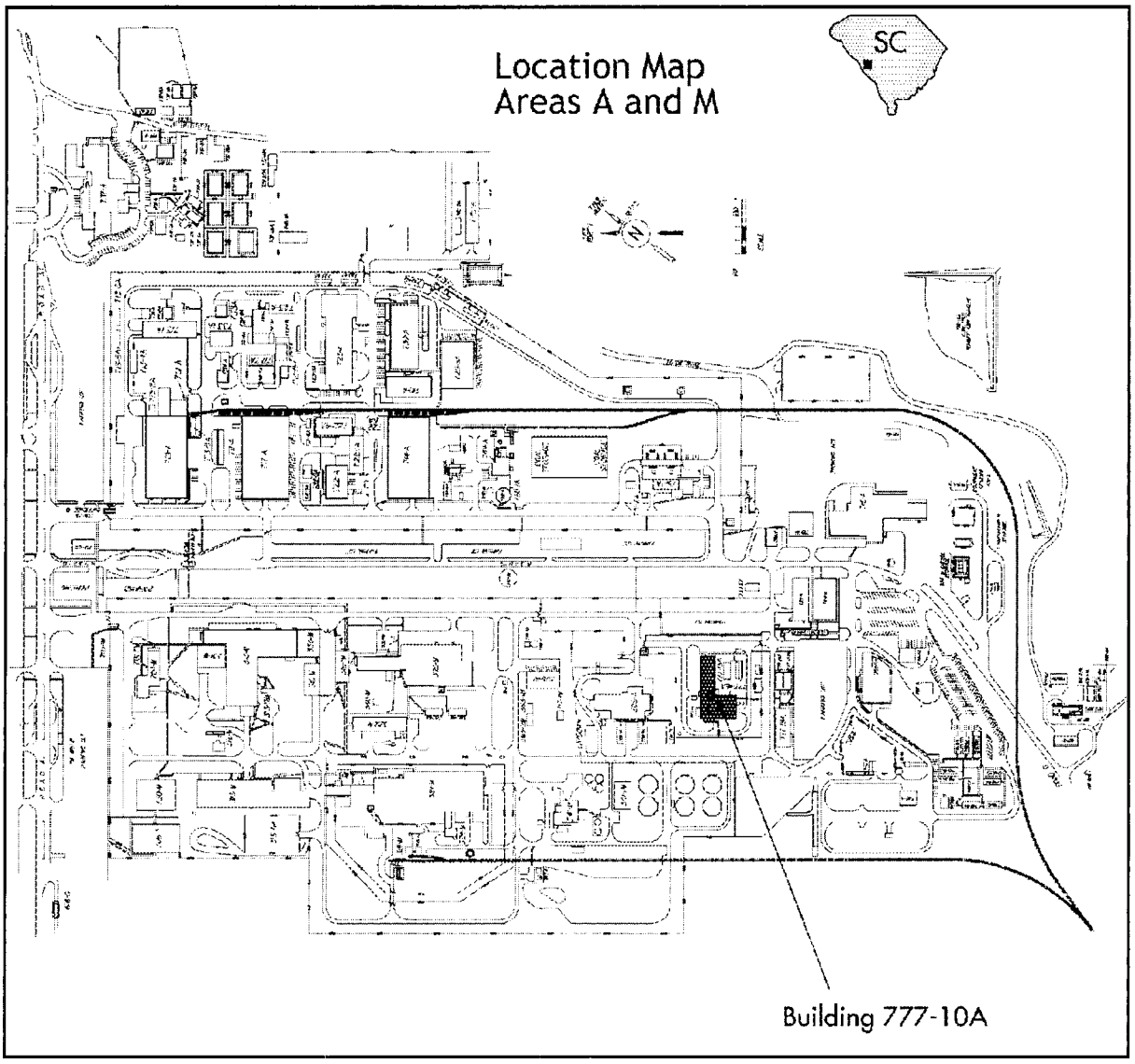
Dr. Norman Baumann, Dr. Peter Gray, Mr. Tom Gorrell were interviewed for this documentation and each need to be acknowledged for their rich contributions. The transcriptions of these interviews are provided in the field records with this project. Mr. Chuck Jewell also contributed to the historical research, helping with the identification of historic photography. Mr. Fred Rhode and Mr. Tom Kotti were other knowledgeable informants who gave of their time to answer questions during the study.

Others were also instrumental in the project development and completion. They are: Mr. Dennis Godsbee, Mr. John Knox, and Mr. Nick Delaplane with the Department of Energy; Mr. Thomas Feske, Ms. Linda Perry, Dr. Christopher Noah, and Mr. Joe Carter with Washington Savannah River Company (formerly Westinghouse Savannah River Company); and Mr. Randall Walker with CM2MHill. Ms. Mary Edmonds and Mr. John Sylvest at the South Carolina State Historic Preservation Office provided direction and support. Finally, stakeholders and retirees, Mr. J. Walter Joseph and Dr. Todd Crawford, helped frame the project, suggested individuals for oral history interviews and provided inspiration.

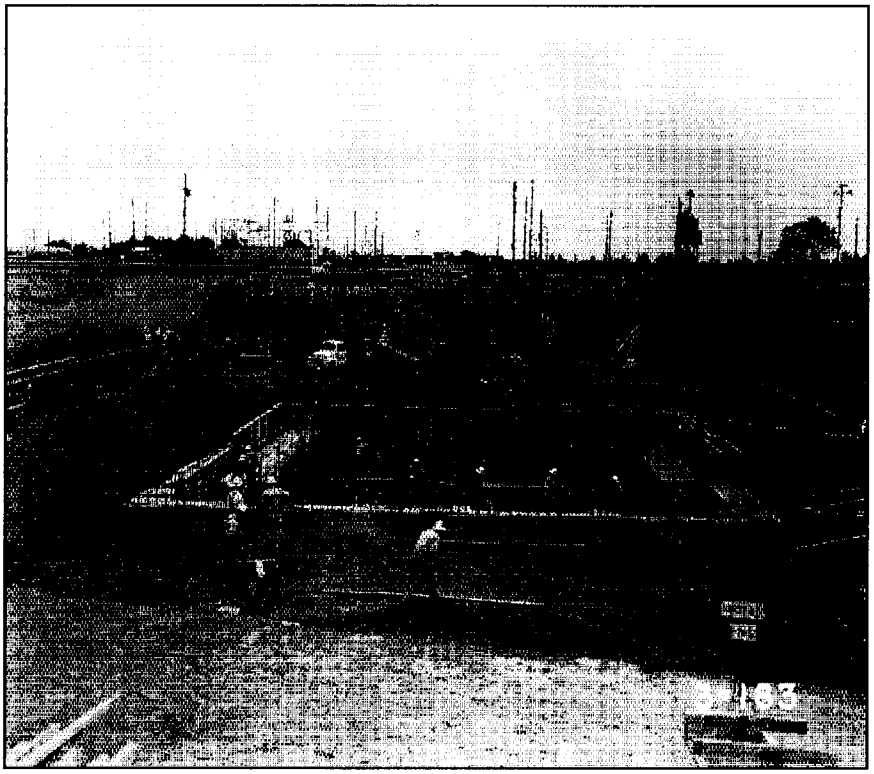
Even though 777-M is now demolished, various aspects of the structure were preserved before the 2005 demolition. Much of the equipment in the PDP control room was preserved, including the console desk and all of the control panels. The PDP tank top, including cover plates and beams, was also saved. Out of the material associated with the SP-SE, the General Electric

console desk was saved from the SP-SE control room, as were the adjacent control panels. These various items were conserved as part of the preservation program at the Savannah River Site, a program dedicated to the achievements made by those who worked at Savannah River over the past fifty years.

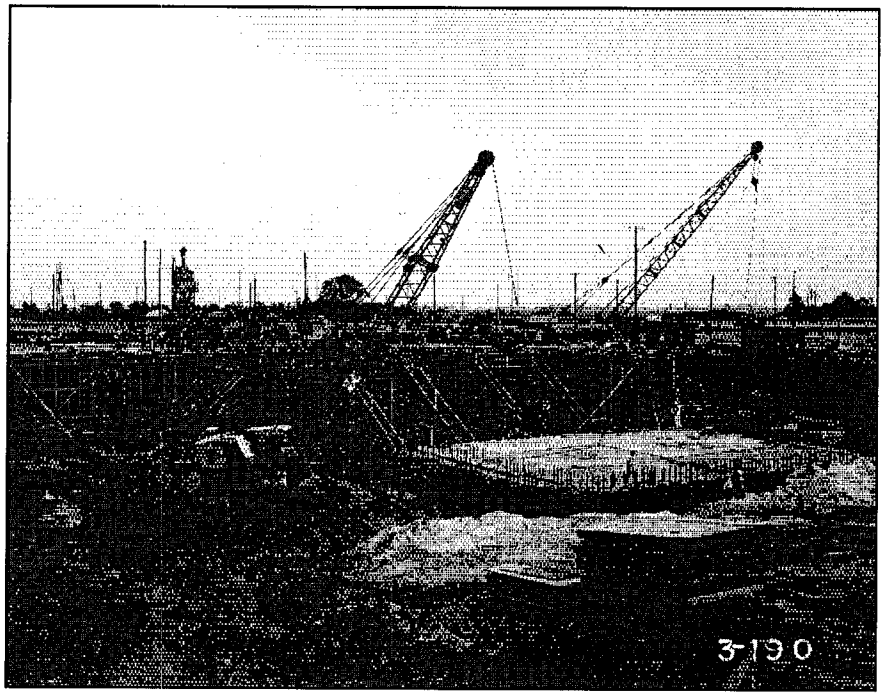
APPENDIX A — LOCATION MAP, HISTORICAL VIEWS AND DIAGRAMS



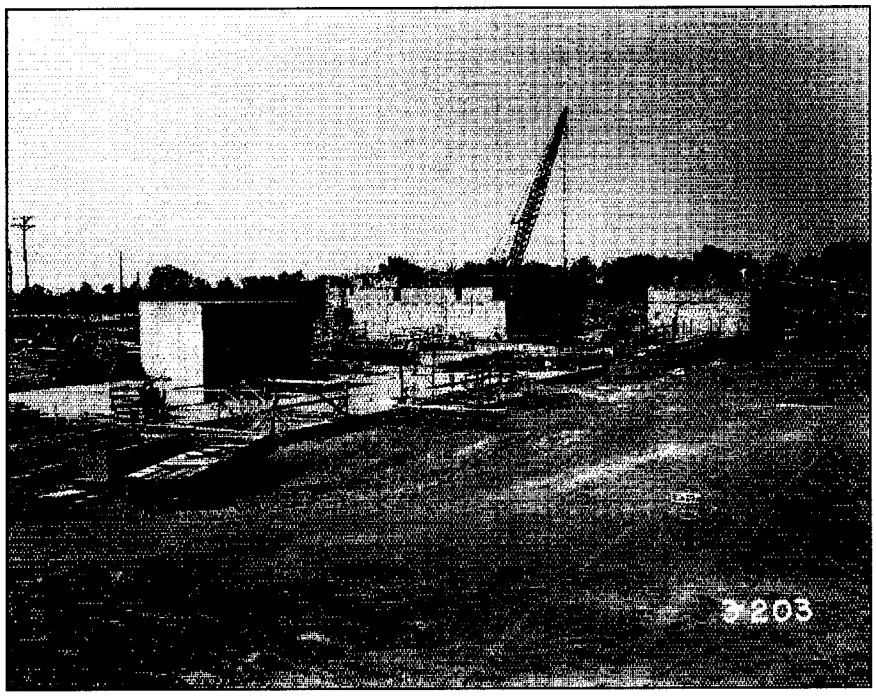
Location Map Showing Location of Physics Assembly Laboratory, shown as 777-10A, at SRS in 2000 within the Lower 700 Area.



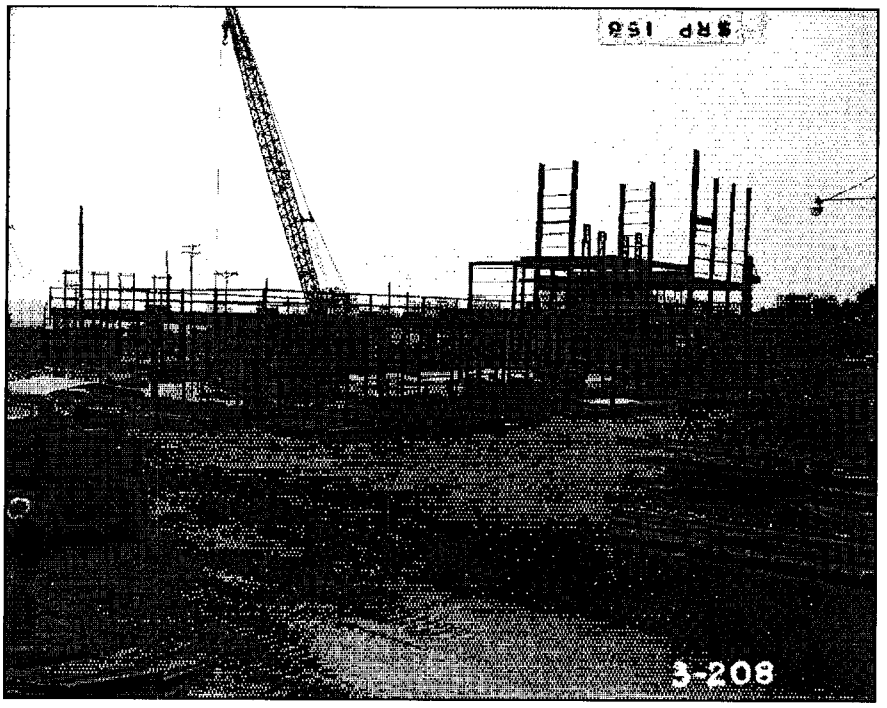
View of Construction of Reactor Wing Below Grade Showing Depth of Excavation, Pouring of Concrete and Use of Reinforcement Bar, Building 751-1A Appears in Background, View to the East, April 29, 1952.
(SRS Negative No. 3-183)



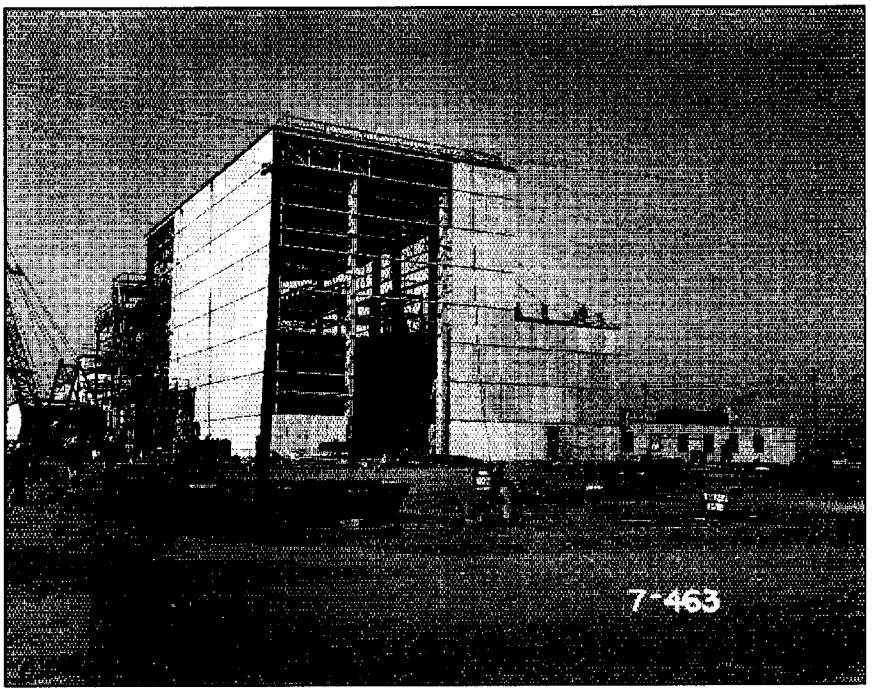
View of Below Grade Construction of Reactor Wing With Concrete Forms in Place, July 28, 1952.
(SRS Negative No.3-190)



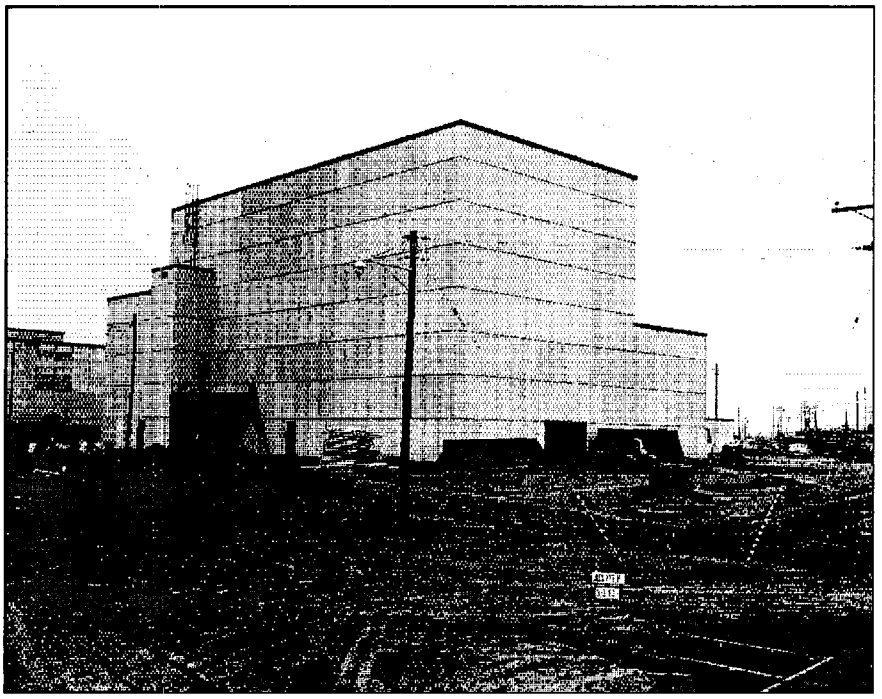
View Showing Concrete Construction in Reactor Wing, September 28, 1952. (SRS Negative No. 3-203)



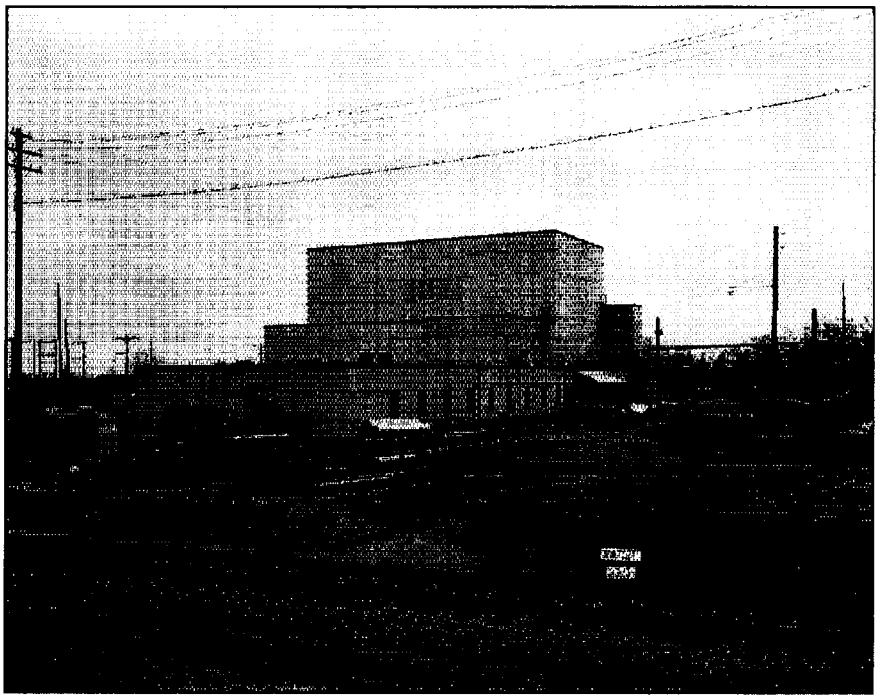
View Showing Steel Framing for Building, Laboratory Wing in Foreground, View to the Southeast, December 29, 1952. (SRS Negative No. 3-208)



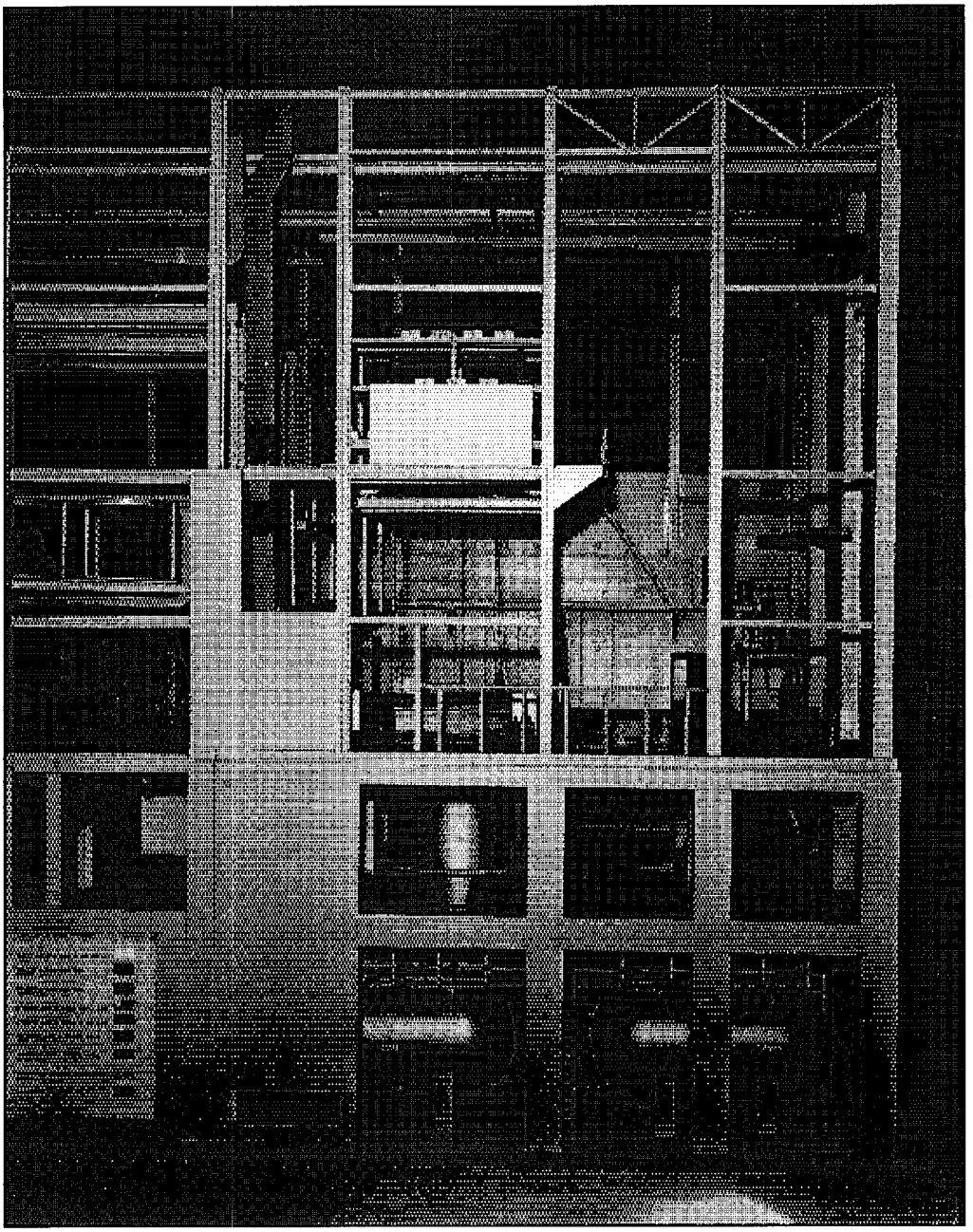
View Showing Steel Frame Construction in Reactor Wing and Future Opening for Large Overhead Door on South Side, View to the Northeast, December 29, 1952.
(SRS Negative No. 7-463)



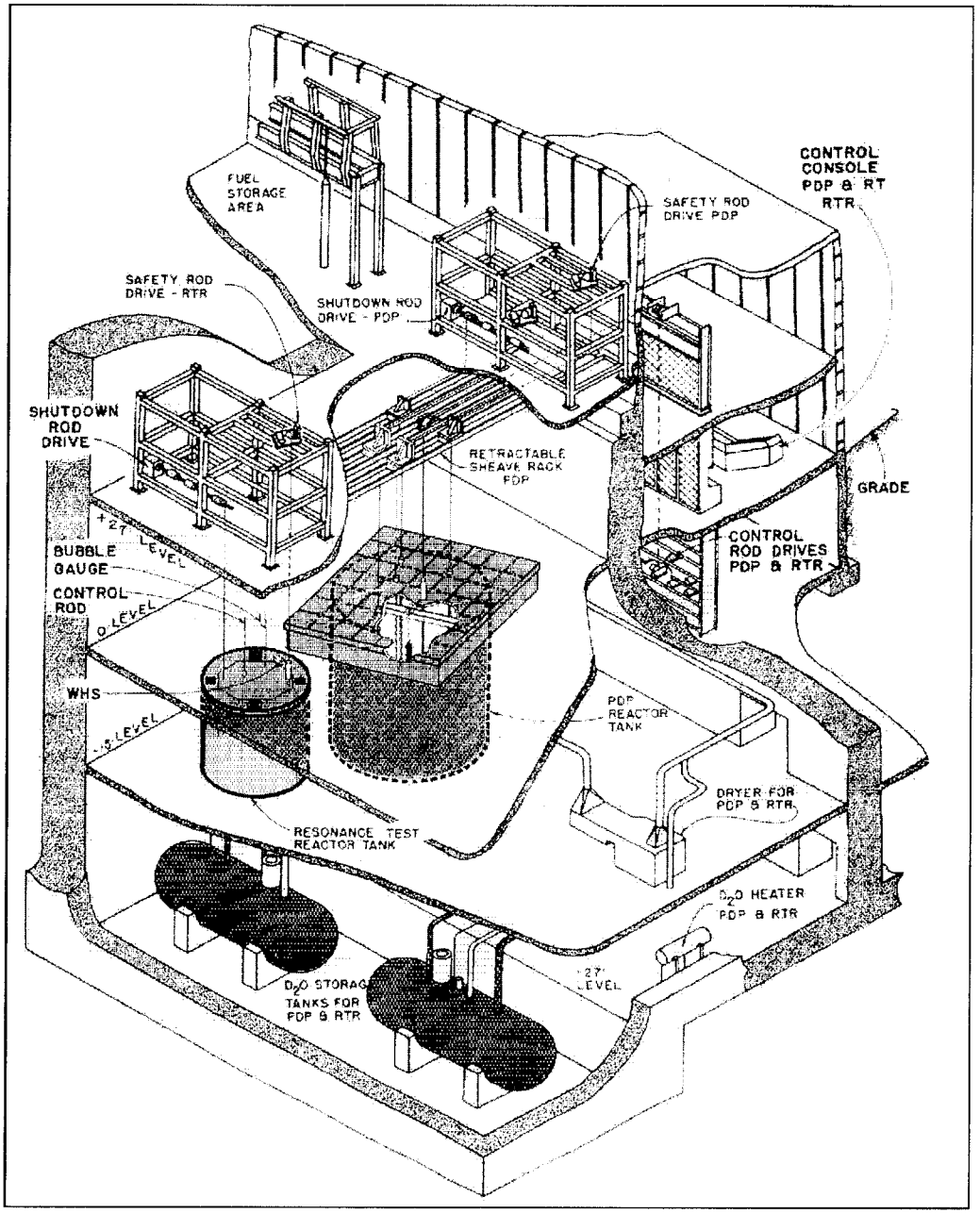
Rear View of Reactor Wing, View to the Northeast,
October 2, 1953. (SRS Negative No. 7-506-1)



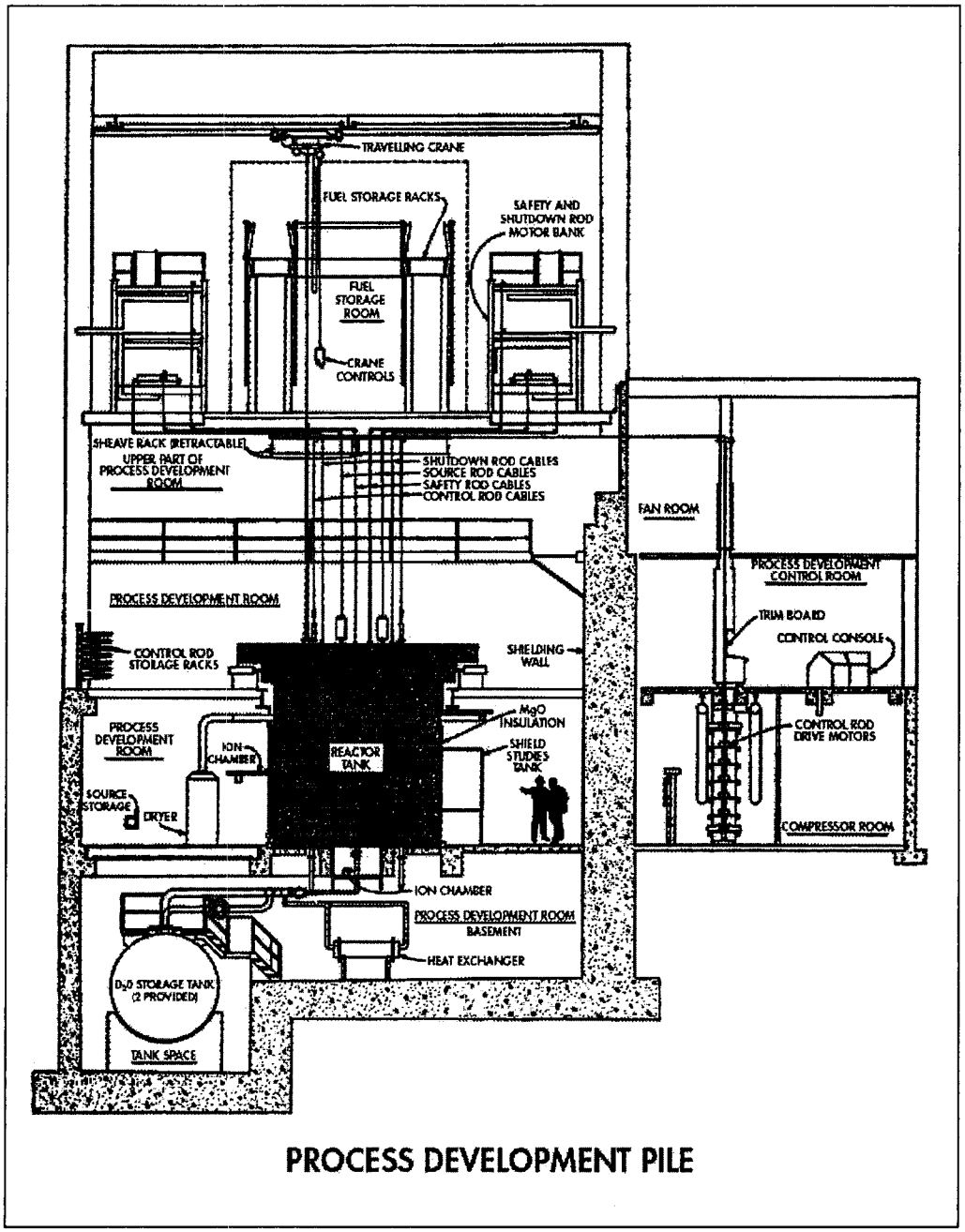
View of Laboratory Wing in Foreground After Completion, Multistory Reactor Wing in Back, View to the Southwest, December 15, 1952. (SRS Negative No. 7-506-2)



Partial View, Du Pont Building Model for 777-M that Shows the Multilevel PDP Area in Reactor Wing. See Following Isometric Drawing for Level Identification. (SRS Negative No. DPSTF-1-2379)



Isometric Drawing Showing the Functional Relationship between the Equipment in the PDP Process Area, Date Unknown.



Isometric Drawing Showing the Component Parts of the PDP and their Spatial Relationships. Source: SRS Curation Facility

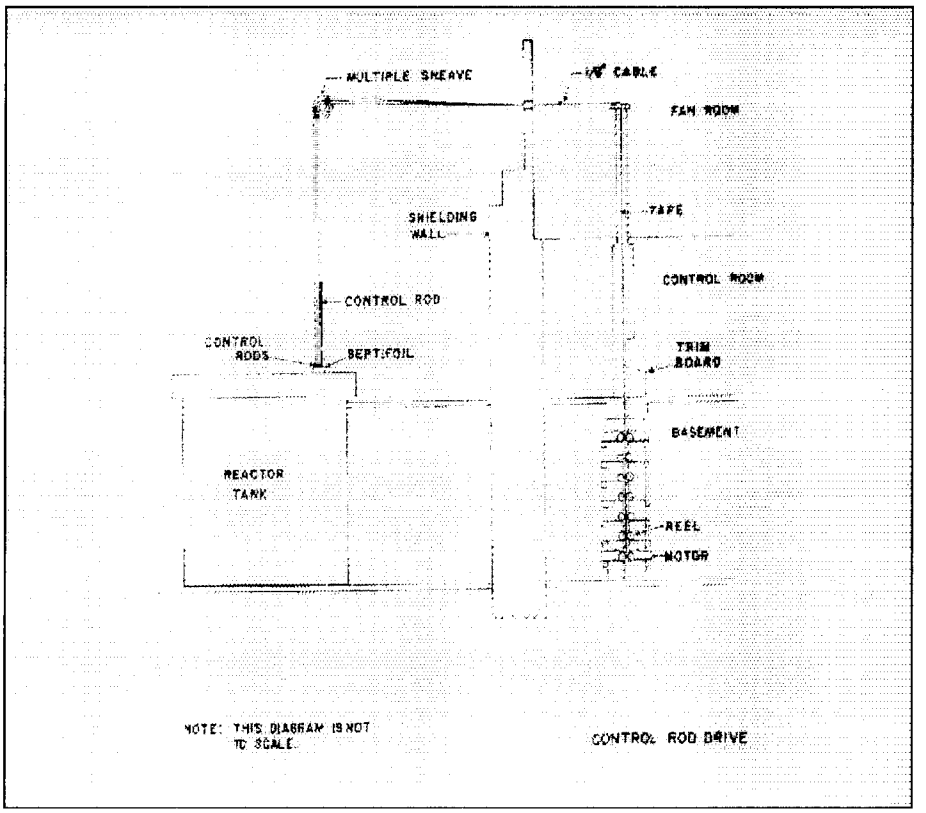
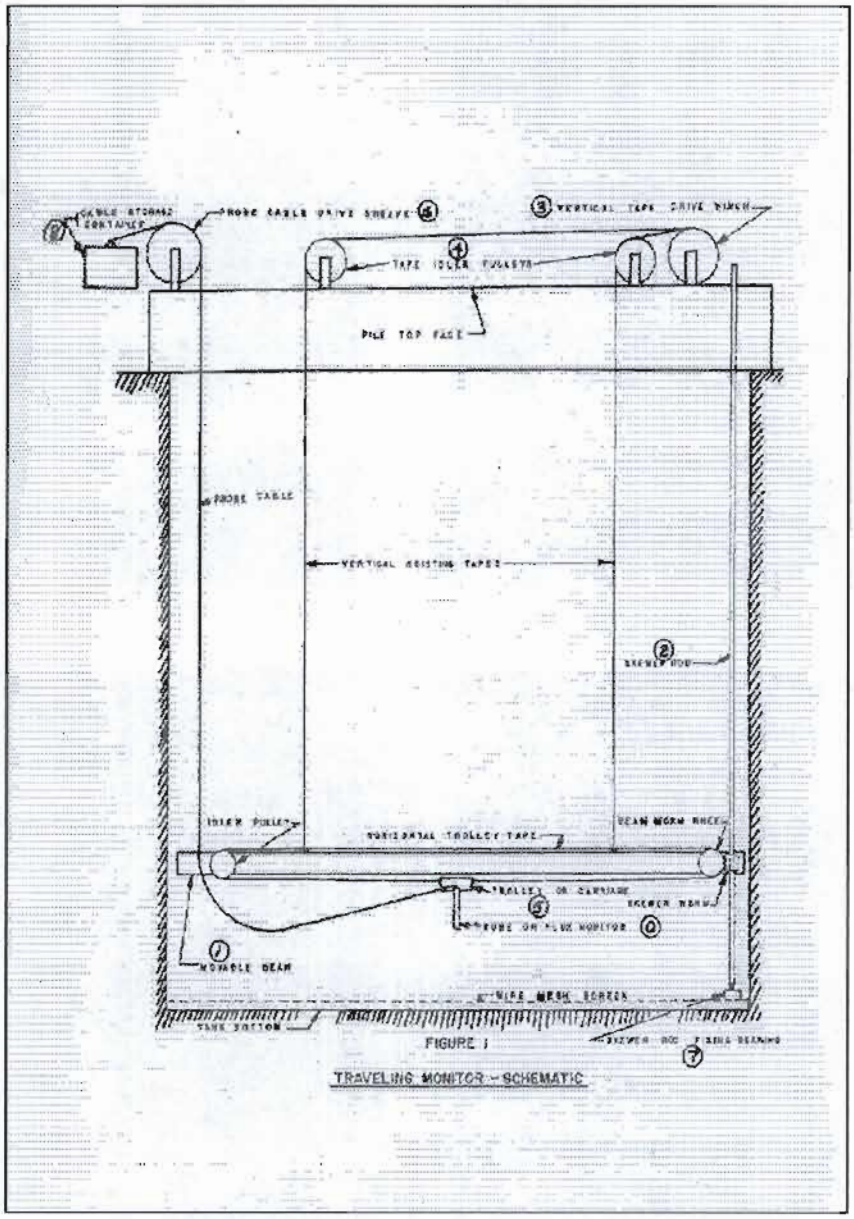
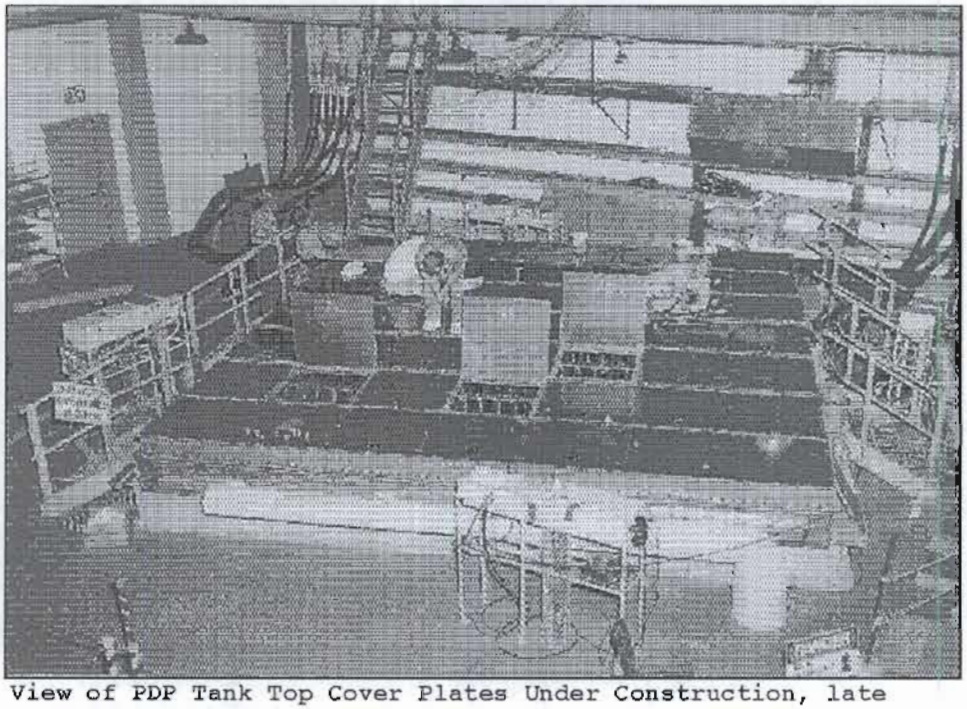


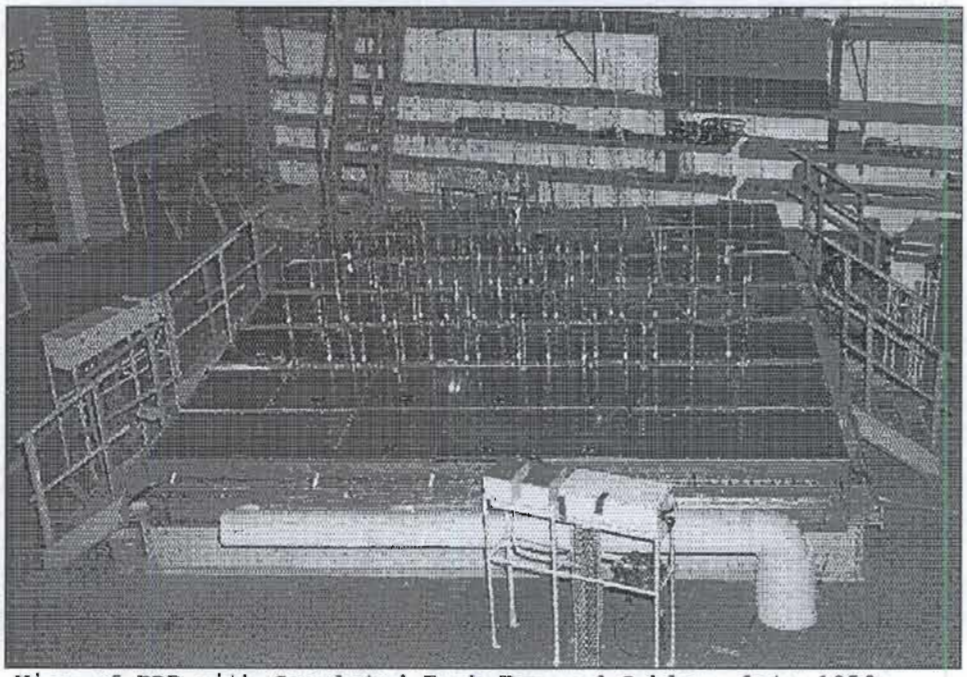
Diagram of Control Road Drive (A Motors) for the PDP, Showing Reactor Tank and Location of Trim Board in PDP Control Room, ca. 1960. (SRS Negative No. DPSTF-1-85)



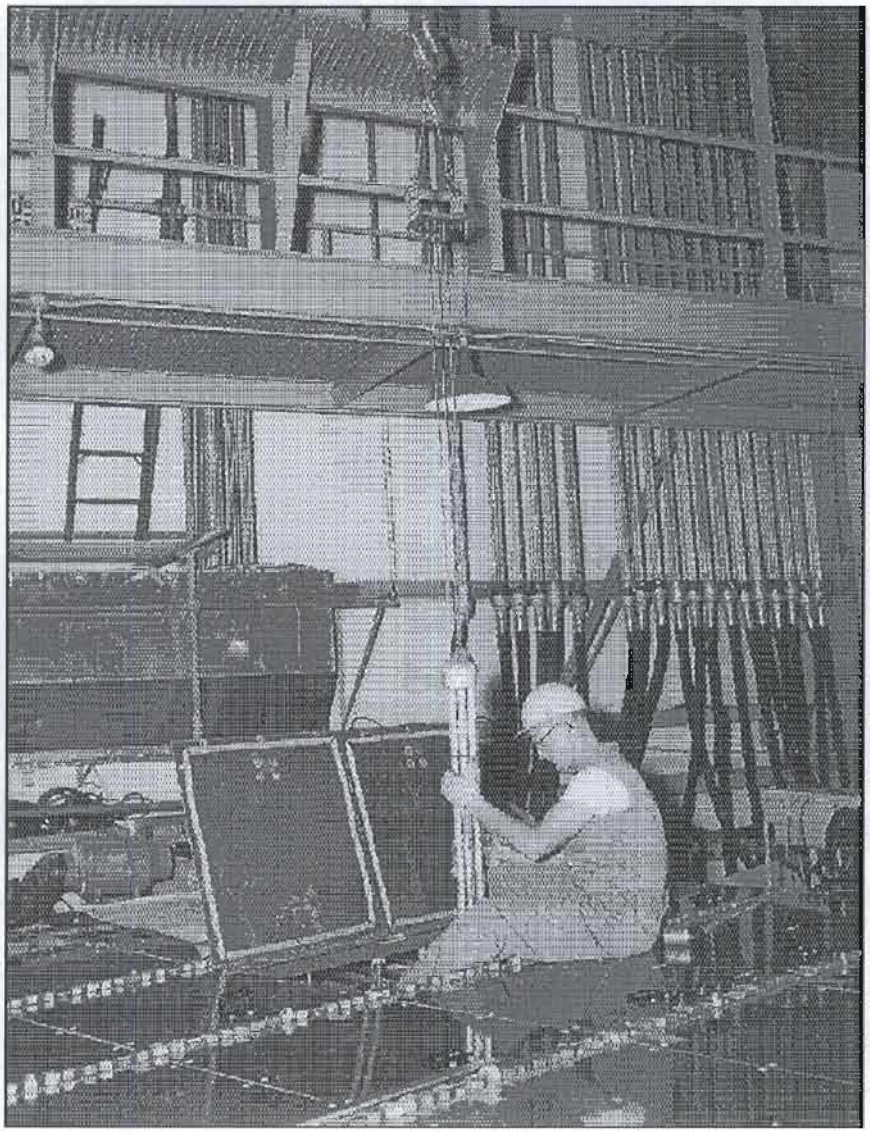
Schematic Drawing of Traveling Flux Monitor In PDP.
(SRS Negative No. DPSTF-1-127)



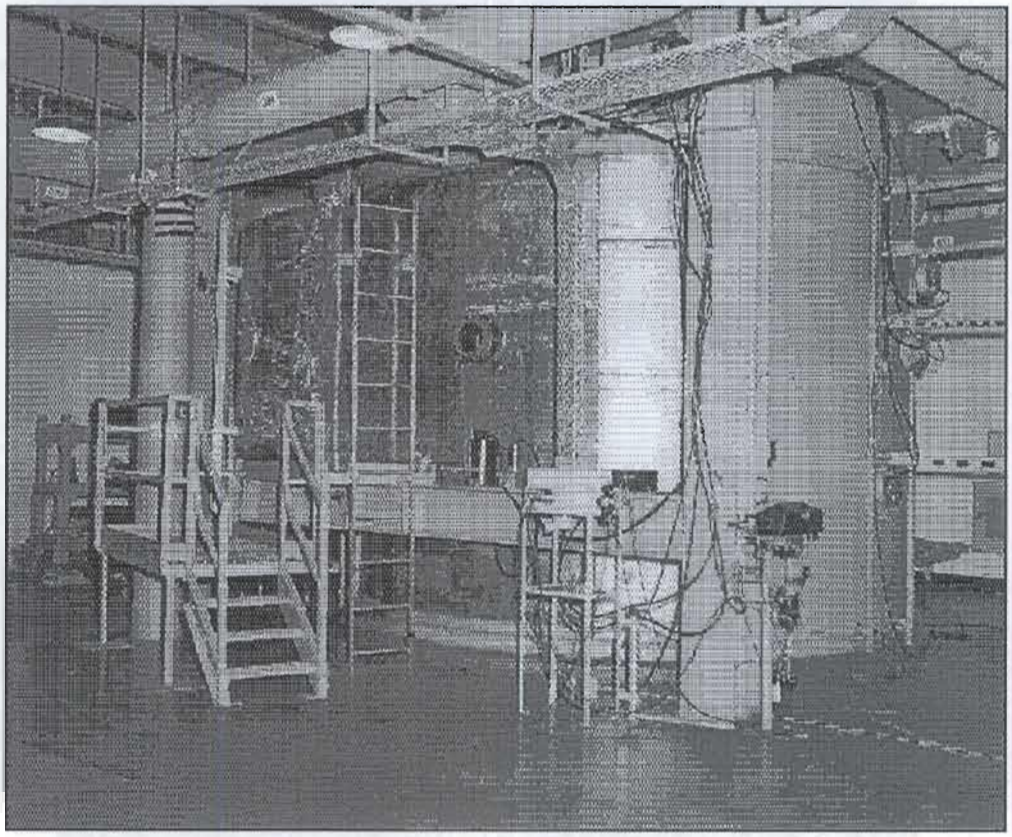
View of PDP Tank Top Cover Plates Under Construction, late 1950s. (SRS Negative No. DPSTF-1-2536)



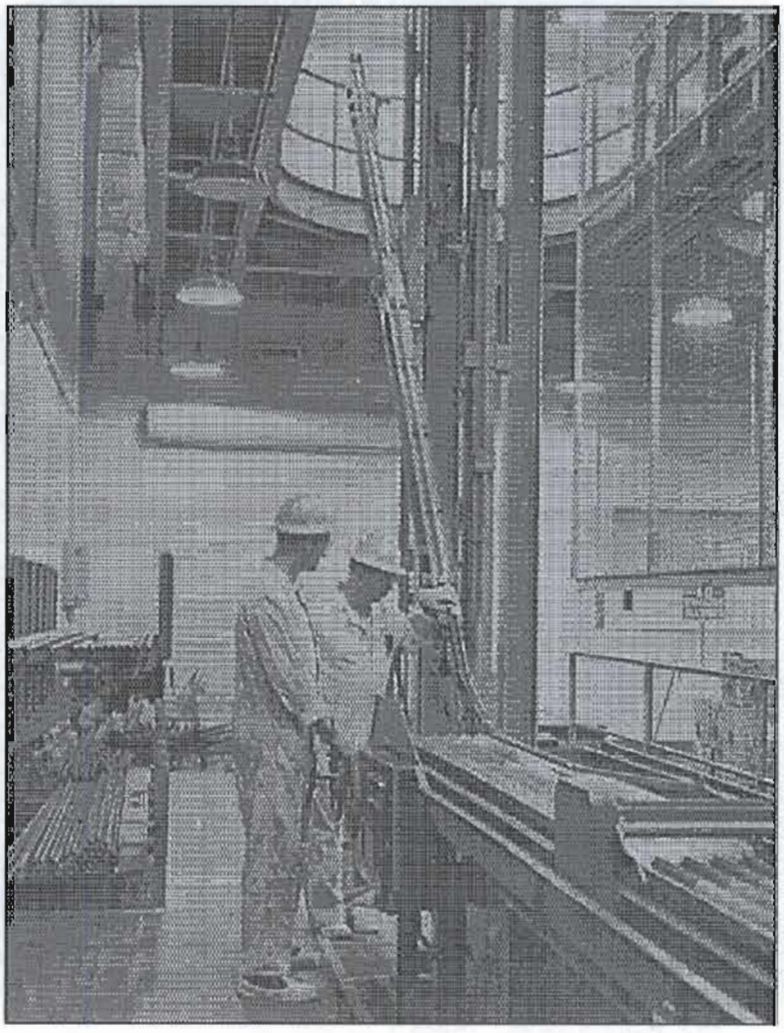
View of PDP with Completed Tank Top and Cables, late 1950s. (SRS Negative No. DPSTF-1-2610)



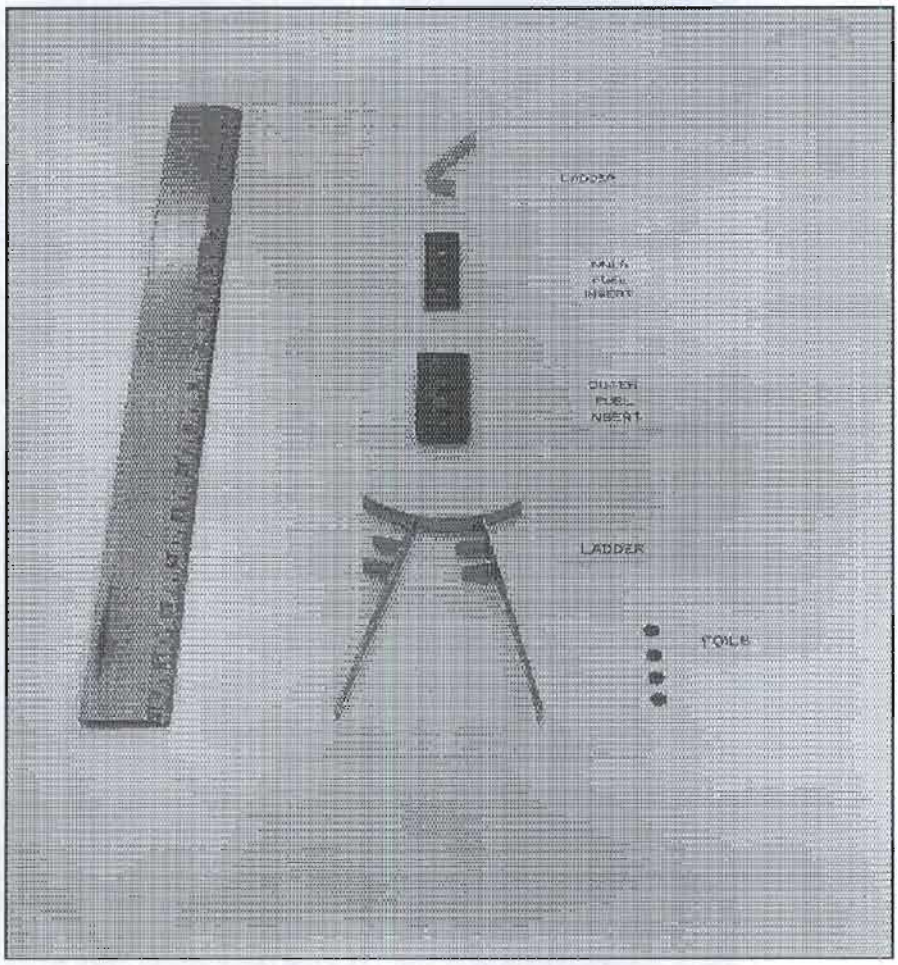
John Kennedy Making Adjustments to PDP, ca. 1958. (SRS Negative No. DPSTF-1-2561)



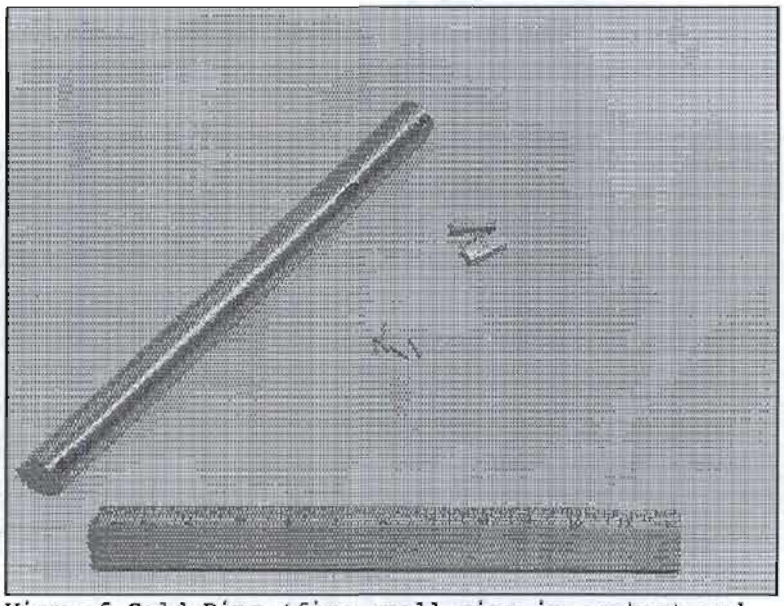
View of PDP Tank, -15' level showing small ion chambers on side of tank, ca. 1960. (SRS Negative No. DPSTF-1-2386)



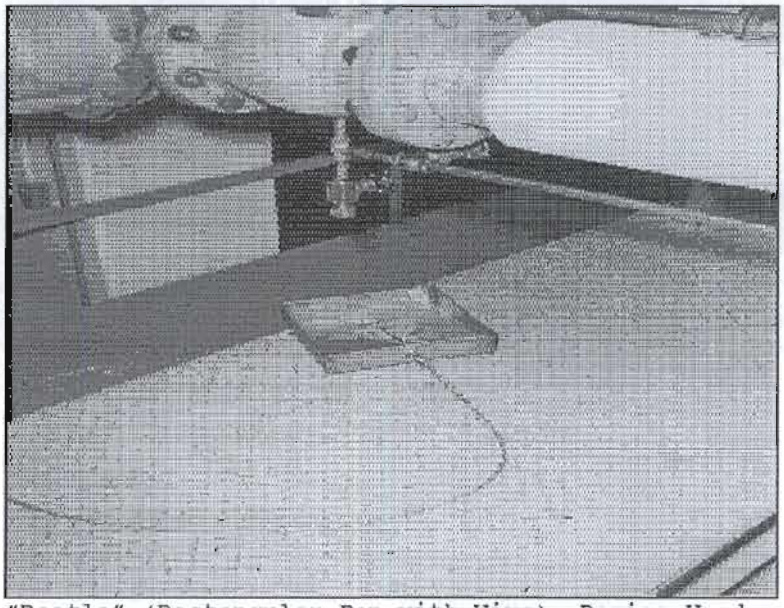
Two Operators, John Kennedy and Bob Kneece, Working With Tilting Table, +27 Level, ca. 1960.
(SRS Negative No. DPSTF 1-94)



View of PDP Ladders, Foils, and Fuel Inserts, ca. 1960.
(SRS Negative No. DPSTF-1-2663)



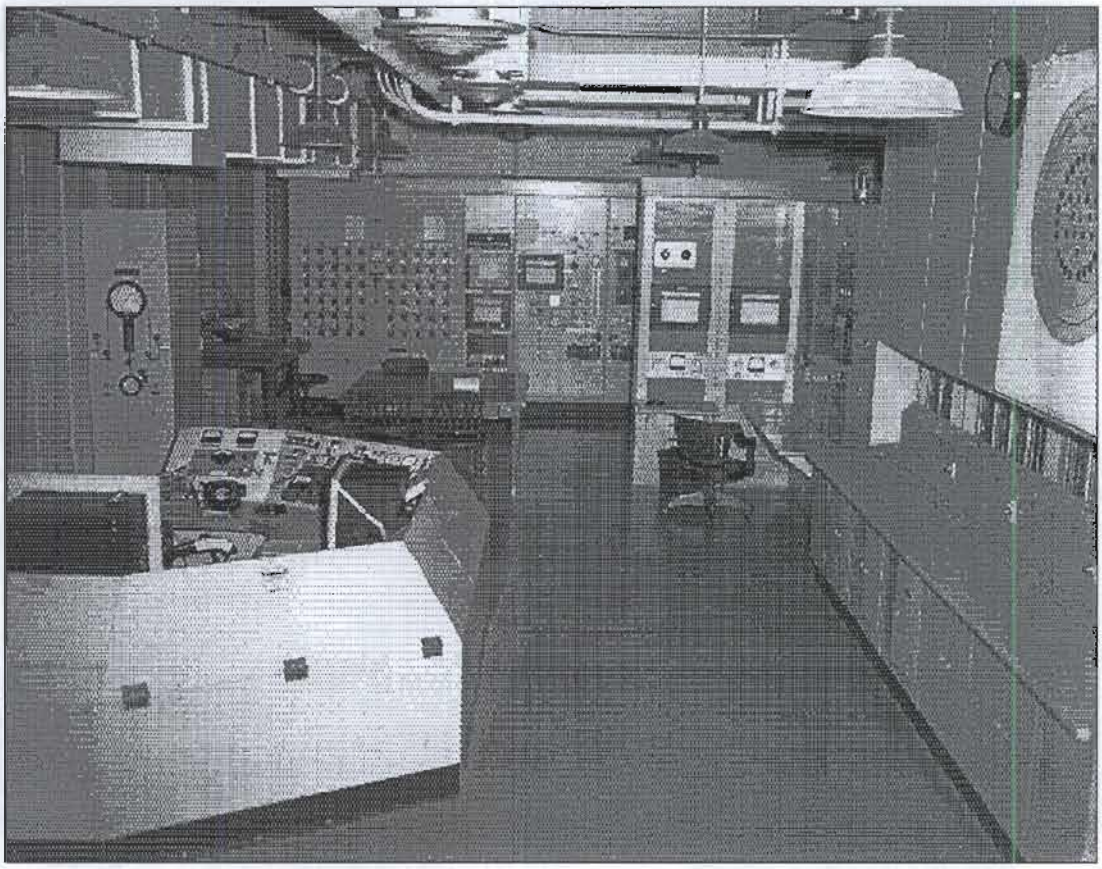
View of Gold Pins (five small pins in center) and Cases to be Irradiated, ca. 1960s.
(SRS Negative No. DPSTF-1-166)



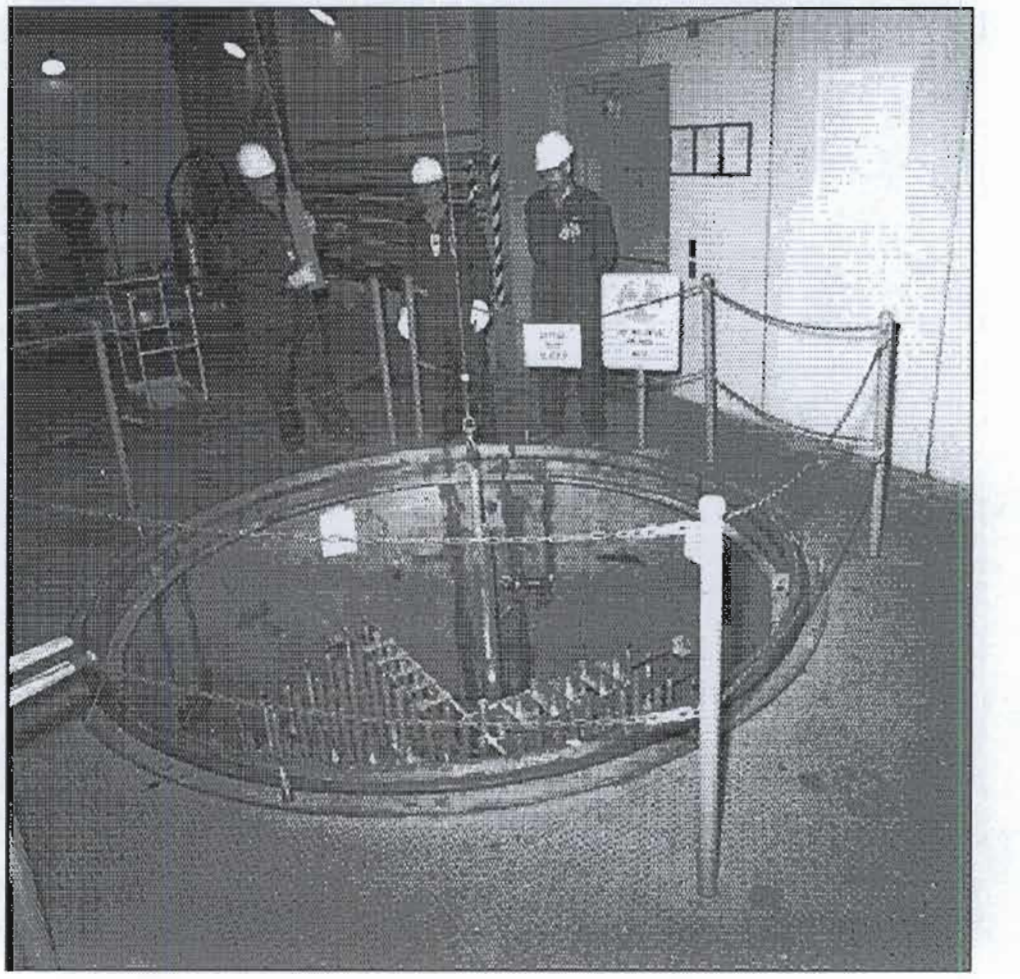
"Beetle" (Rectangular Pan with Wire)- Device Used to Detect Presence of Heavy Water Leak in PDP Room, ca. 1960. (SRS Negative No. DPSTF-1-3711)

PDP Control Room, O' Level, Trim Board on Left, Console to the Right, Desks in Foreground. Office/Laboratory at Rear with Partial Glass Walls, 777-M Building Model behind Console. (SRS Negative No. DPSTF-1-2378)

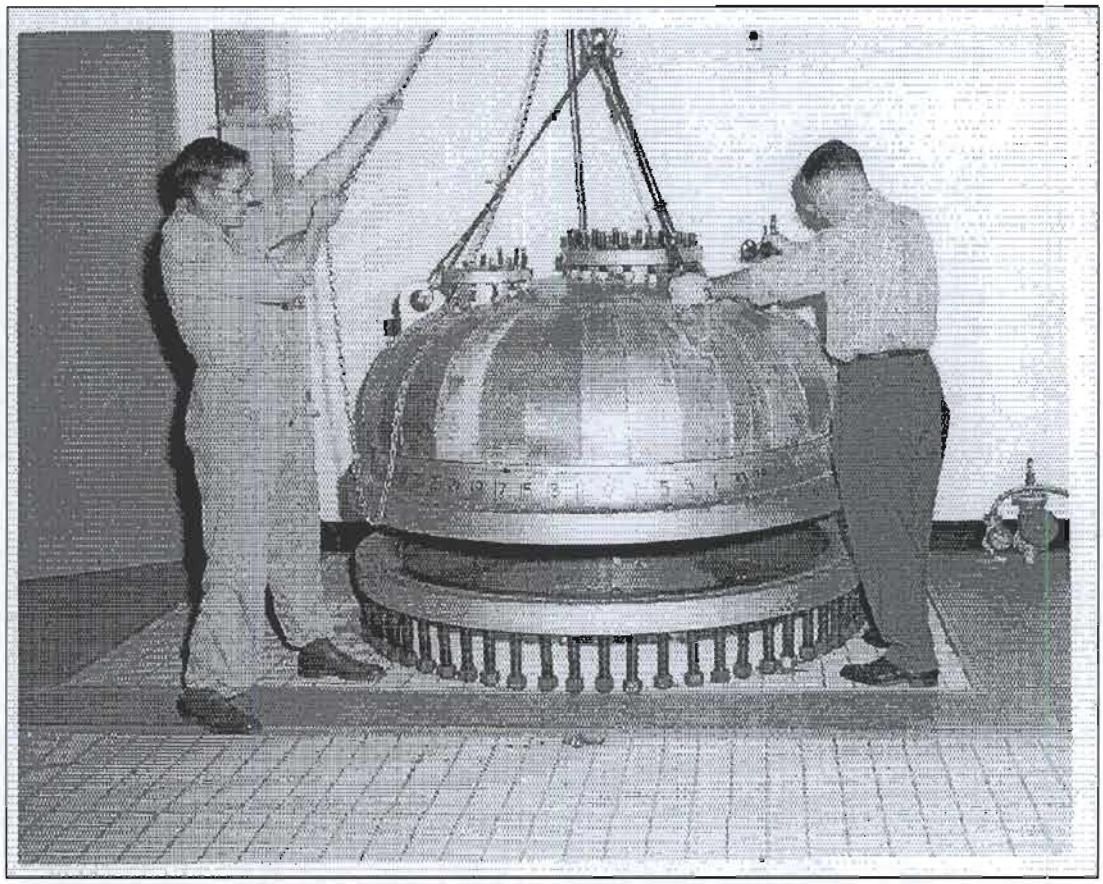
Detail of Console with Operator, Barney Finn, and Workers, late 1950s.
(SRS Negative No. 3360-58)



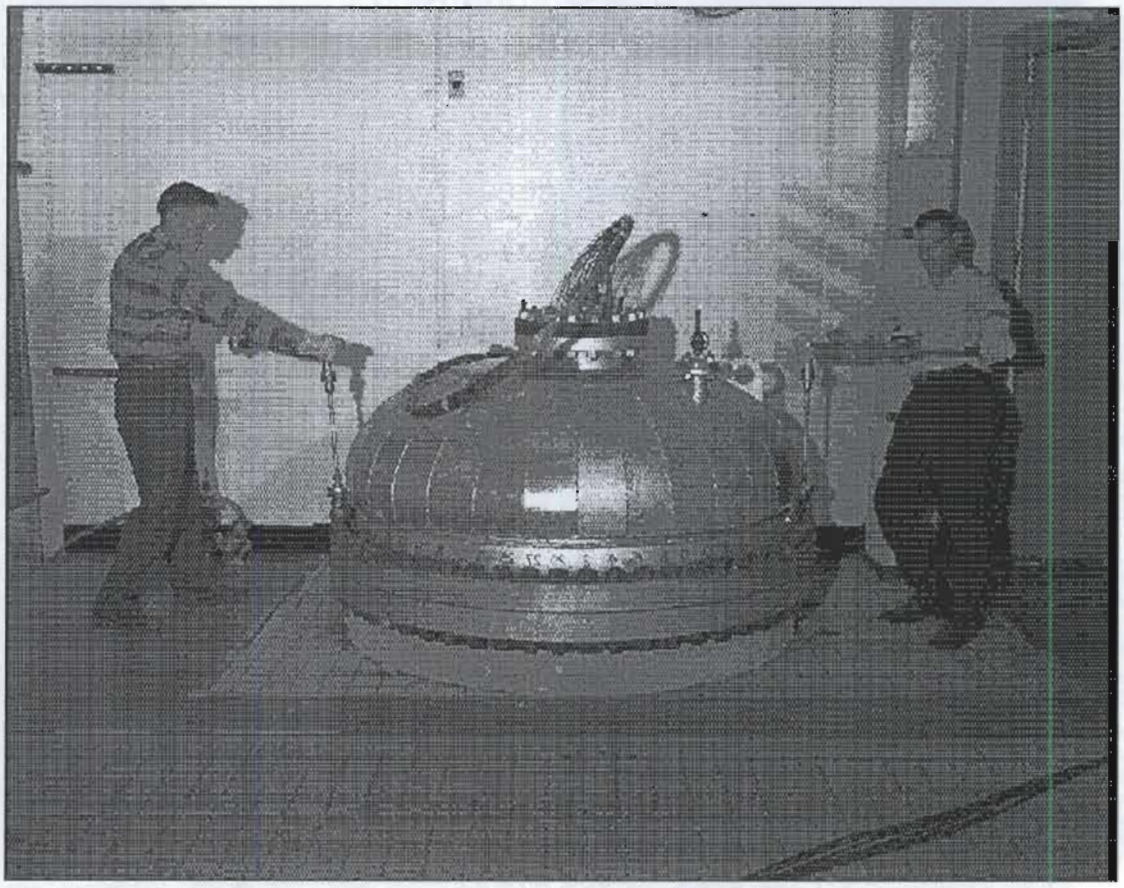
PDP Control Room, 0' Level, Console on Left and Trim Board on Right. "A" Motor Tapes, Suspended in Groups, Are Visible Between Top of Trim Board and its Lower Cabinet, ca. 1965. (SRS Negative No. DPSTF-1-2377)



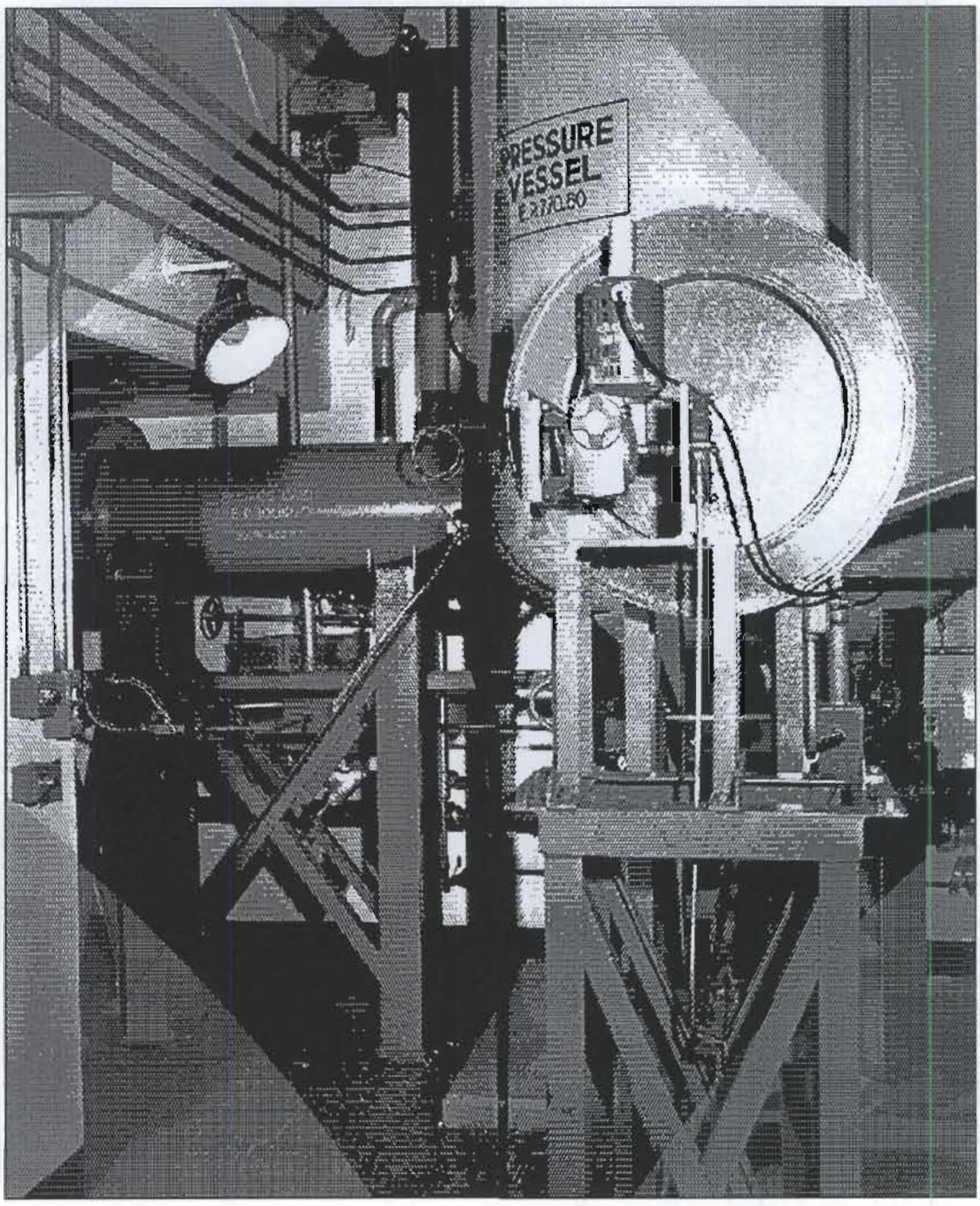
Lattice Test Reactor, Known Earlier as Resonance Test Reactor, with Operators Loading Reactor, 0' Level, undated.
(SRS Negative No. 1-13936-2)



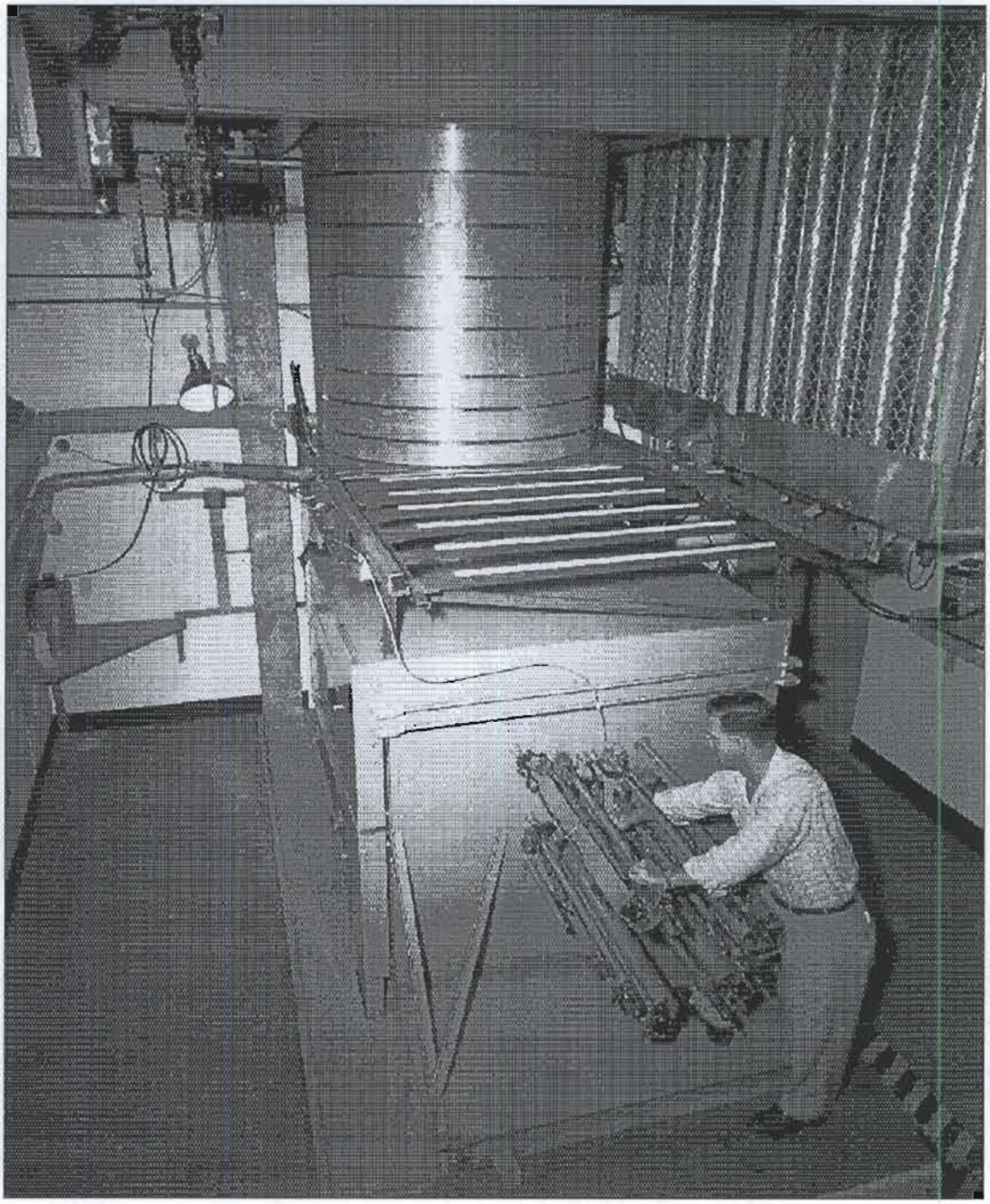
View of PSE Tank Top Lowered into Place by John Price (left) and Sam Burdette, 0' Level, ca. 1960. (SRS Negative No. not known)



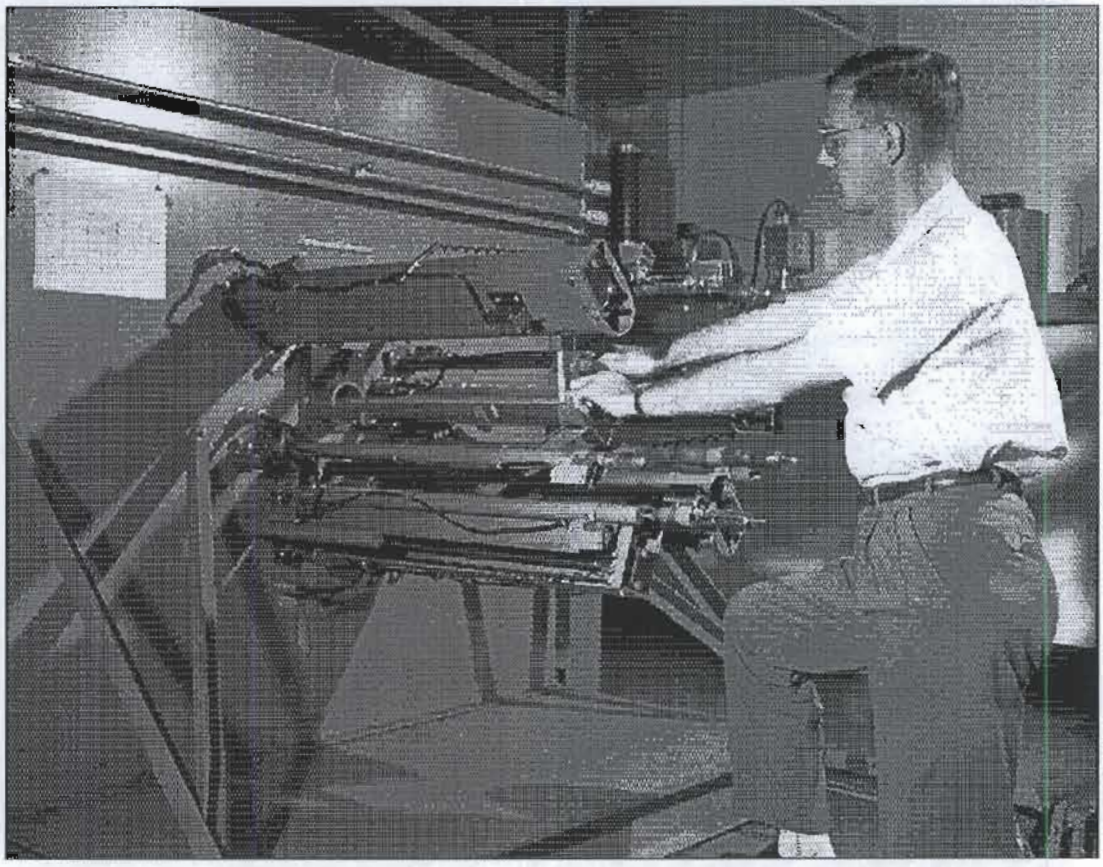
View of Measurements Being Taken from PSE by John Price (left) and Sam Burdette, 0' Level ca. 1960. (SRS Negative No. DPSTF 1-2631)



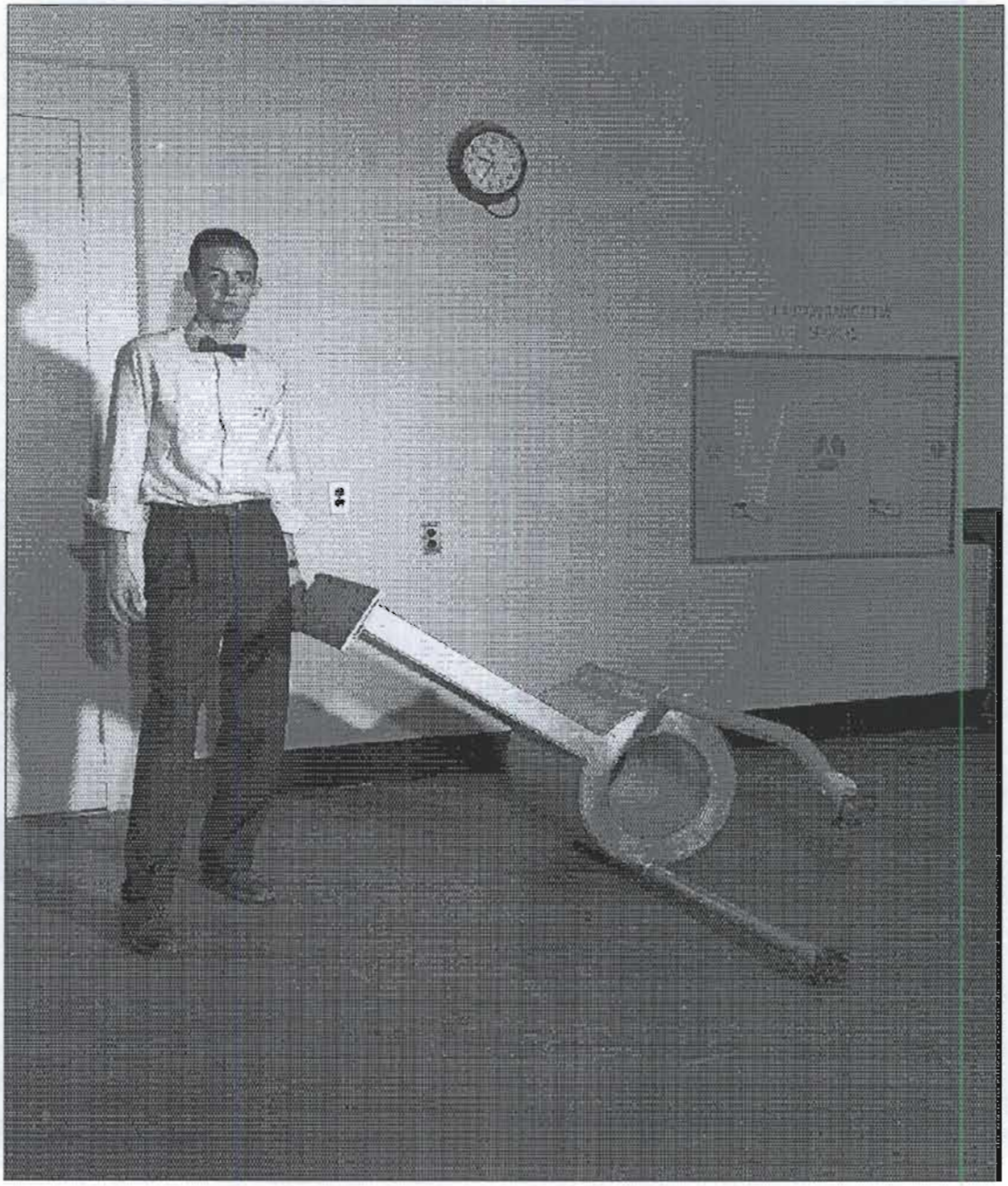
PSE Test Reactor Vessel, -15' Level, ca. 1960. (SRS Negative No. DPSTF 1-2634)



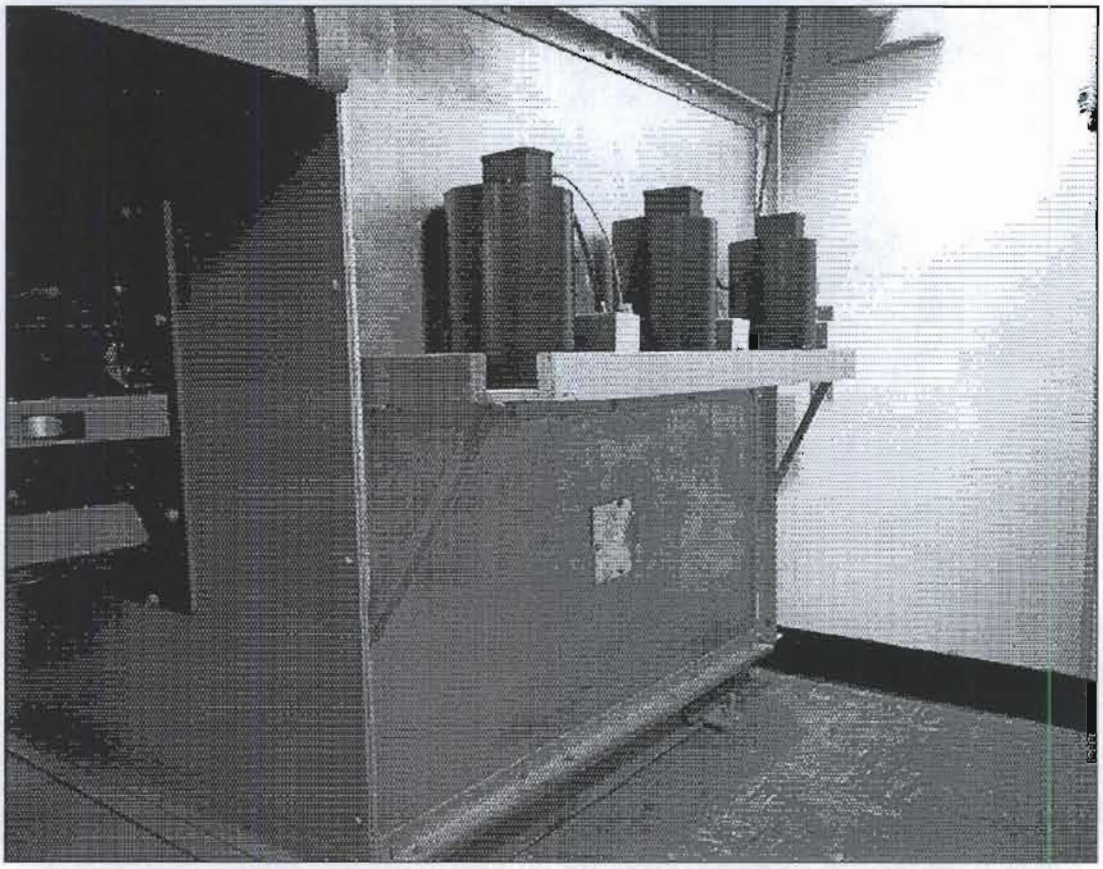
Engineer Sam Burdette at Face of SP Reactor, -15' Level, ca. 1960.
(SRS Negative No. 3360-2-56)



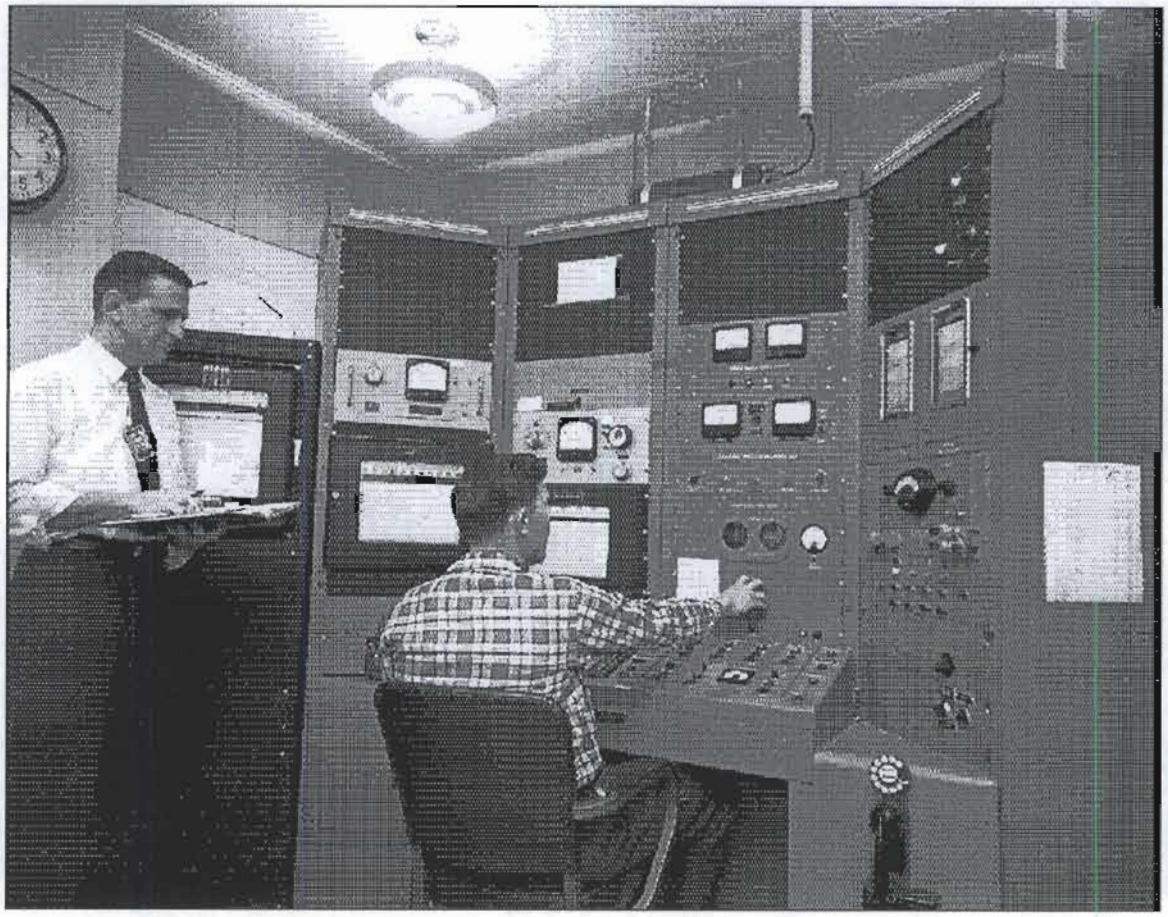
Oblique View Showing SP Test Reactor Face with Engineer Sam Burdette Making Adjustments, -15' Level, ca. 1960. (SRS Negative No.E-4427-11)



Bow-Tied Operations Employee Jim Wade with Interior Core of SP Test Reactor; Wall containers for safe disposal of contaminated source rods on back wall, -15' level, ca. 1953. (SRS Negative No. 1023-3)



Side View of SP Reactor Showing Ion Chambers. (SRS Negative No.1023-7)



Control Room Console for SP/SE Test Reactor, 0' Level, ca. 1960. Scientist Tom Gorrell on left, John Price at console. (SRS Negative No. 3360-2-60)

APPENDIX B — GLOSSARY OF NUCLEAR TERMS

Alpha particle
A positively-charged particle from the nucleus of an atom, emitted during radioactive decay.

Atom
A particle of matter which cannot be broken up by chemical means. Atoms have a nucleus consisting of positively-charged protons and uncharged neutrons of the same mass. The positive charges on the protons are balanced by a number of negatively-charged electrons in motion around the nucleus.

Atomic Bomb
An explosive device whose energy comes from the fission of heavy elements such as uranium or plutonium.

Becquerel (Bq)
A unit of radiation equal to one disintegration per second.

Beta Particle
A particle emitted from an atom during radioactive decay.

Biological Shield
A mass of absorbing material (e.g., thick concrete walls) placed around a reactor or radioactive material to reduce the radiation (especially neutrons and gamma rays respectively) to a level safe for humans.

Breed
To form fissile nuclei, usually as a result of neutron capture, possibly followed by radioactive decay.

Chain Reaction
A reaction that stimulates its own repetition, in particular where the neutrons originating from nuclear fission cause an ongoing series of fission reactions.

Containment Building
A containment building houses the reactor, pressurizer, reactor coolant pumps, steam generator and other equipment or piping containing reactor coolant. The containment building is an airtight structure made of steel-reinforced concrete.

Control Rods
Devices to absorb neutrons so that the chain reaction in a reactor core may be slowed or stopped.

Coolant
This is a fluid, usually water, circulated through the core of a nuclear power reactor to remove and transfer heat energy.

Core
The central part of a nuclear reactor containing the fuel elements and any moderator.

Critical Mass
The smallest mass of fissile material that will support a self-sustaining chain reaction under specified conditions.

Curie (Ci)
A unit of radiation measurement, equal to 3.7x1010 disintegrations per second.

Decay
Decrease in activity of a radioactive substance due to the disintegration of an atomic nucleus resulting in the release of alpha or beta particles or gamma radiation.

Decommissioning
Removal of a facility (e.g., reactor) from service, also the subsequent actions of safe storage, dismantling and and making the site available for unrestricted use.

Depleted Uranium
Uranium having less than the natural 0.7% U-235. As a by-product of enrichment in the fuel cycle it generally has 0.25-0.30% U-235, the rest being U-238. Can be blended with highly-enriched uranium (e.g., from weapons) to make reactor fuel.

Deuterium
"Heavy Hydrogen", an isotope having one proton and one neutron in the nucleus. It occurs in nature as 1 atom to 6,500 atoms of normal hydrogen, (Hydrogen atoms contain one proton and no neutrons).

Dose Equivalent
The absolute measurement of exposure to a dose of ionising radiation depends upon the type of particle and the body tissue with which it interacts - hence the conversion to *dose equivalent*, which has units of rem. Rads are converted to rems by multiplying by a factor that depends upon the type of ionising radiation and it's biological effect. For example, with gamma radiation the factor is 1 and a rad is equal to a rem.

Element
A chemical substance that cannot be divided into simple substances by chemical means; atomic species with same number of protons.

Enriched Uranium
Uranium in which the proportion of U-235 (to U-238) has been increased above the natural 0.7%. Reactor-grade uranium is usually enriched to about 3.5% U-235, weapons-grade uranium is more than 90% U-235.

Enrichment
Physical process of increasing the proportion of U-235 to U-238.

Fast Breeder Reactor (FBR)
A fast neutron reactor (qv) configured to produce more fissile material than it consumes, using fertile material such as depleted uranium.

Fast Neutron Reactor (FNR)
A reactor with little or no moderator and hence utilising fast neutrons and able to utilise fertile material such as depleted uranium.

Fertile (of an isotope)
Capable of becoming fissile, by capturing one or more neutrons, possibly followed by radioactive decay. U-238 is an example.

Fissile (of an isotope)
Capable of capturing a neutron and undergoing nuclear fission, e.g., U-235, Pu-239.

Fission
The splitting of a heavy nucleus into two, accompanied by the release of a relatively large amount of heat and generally one or more neutrons. It may be spontaneous but usually is due to a nucleus absorbing a neutron.

Fission Products
Daughter nuclei resulting either from the fission of heavy elements such as uranium, or the radioactive decay of those primary daughters. Usually highly radioactive.

Fuel Assemblies
These are a group of fuel rods.

Fuel Fabrication
Making reactor fuel elements.

Gamma Rays
High energy electro-magnetic radiation.

Graphite
A form of carbon used in a very pure form as a reactor moderator.

Half-Life
The period required for half of the atoms of a particular radioactive isotope to decay and become an isotope of another element.

Heavy Water
Water containing an elevated concentration of molecules with deuterium ("heavy hydrogen") atoms.

Heavy Water Reactor (HWR)
A reactor which uses heavy water as its moderator.

High-Level Wastes
Extremely radioactive fission products and transuranic elements (usually other than plutonium) separated as a result of reprocessing spent nuclear fuel.

Highly (or High)-Enriched Uranium (HEU)
Uranium enriched to at least 20% U-235. Uranium in weapons is about 90% U-235.

Isotope
An atomic form of an element having a particular number of neutrons. Different isotopes of an element have the same number of protons but different numbers of neutrons and hence different atomic masses, e.g., U-235, U-238.

Joule
A unit of energy.

KeV
One thousand electron-volts. An electronvolt (symbol: eV) is the amount of energy gained by a single unbound electron when it falls through an electrostatic potential difference of one volt. This is a very small amount of energy.

Kilowatt
A Kilowatt is a unit of electric energy equal to 1,000 watts.

Kilowatt-Hour
This is a unit of energy consumption that equals 1,000 watts used for one hour. For example, ten 100-watt light bulbs burned for one hour use one kilowatt-hour of electricity.

Lattice
Structural configuration in a reactor organizing positioning of fuel rods, control rods, and safety rods.

Light Water
Ordinary water (H20) as distinct from heavy water.

Light Water Reactor (LWR)
A common nuclear reactor cooled and usually moderated by ordinary water.

Low-Enriched Uranium (LEU)
Uranium enriched to less than 20% U-235. Uranium in power reactors is about 3.5% U-235.

Megawatt (MW)
A unit of power, = 10^6 Watts. MWe refers to electric output from a generator, MWt to thermal output from a reactor or heat source (e.g., the gross heat output of a reactor itself, typically three times the MWe figure).

Metal Fuels
Natural uranium metal as used in a gas-cooled reactor.

Micro
One millionth of a unit (e.g., microsievert is one millionth of a Sv).

Millirem
This is a measurement of the biological effects of different types of radiation equaling 1/1000th of a REM.

Mixed Oxide Fuel (MOX)
Reactor fuel which consists of both uranium and plutonium oxides, usually with about 5% Pu.

Moderator
A material such as light or heavy water or graphite used in a reactor to slow down fast neutrons so as to expedite further fission.

Natural Uranium
Uranium with an isotopic composition as found in nature, containing 99.3% U-238, 0.7% U-235 and a trace of U-234.

Neutron
An uncharged elementary particle found in the nucleus of every atom except hydrogen. Solitary mobile neutrons travelling at various speeds originate from fission reactions. Slow neutrons can in turn readily cause fission in atoms of some isotopes, e.g., U-235, and fast neutrons can readily cause fission in atoms of others, e.g., Pu-239. Sometimes atomic nuclei simply capture neutrons.

Nuclear Reactor
A device in which a nuclear fission chain reaction occurs under controlled conditions so that the heat yield can be harnessed or the neutron beams utilised. All commercial reactors are thermal reactors, using a moderator to slow down the neutrons.

Oxide Fuels
Enriched or natural uranium in the form of the oxide U02, used in many types of reactor.

Plutonium
A transuranic element, formed in a nuclear reactor by neutron capture. It has several isotopes, some of which are fissile and some of which undergo spontaneous fission, releasing neutrons. Weapons-grade plutonium is produced with >90% Pu-239, reactor-grade plutonium contains about 30% non-fissile isotopes.

Pressurised Water Reactor (PWR)
The most common type of light water reactor (LWR).

Radiation
The emission and propagation of energy by means of electromagnetic waves or sub-atomic particles.

Radioactivity
The spontaneous decay of an unstable atomic nucleus, giving rise to the emission of radiation.

Radionuclide
A radioactive isotope of an element.

Radiotoxicity
The adverse health effect of a radionuclide due to its radioactivity.

rads
A unit to measure the absorption of radiation by the body. A rad is equivalent to 100 ergs of energy from ionising radiation absorbed per gram of soft tissue.

Reactor Vessel
It is the steel pressure vessel that holds the fuel elements in a reactor.

rem (Roentgen Equivalent Man)
REM is the common unit for measuring human radiation doses, usually in millirems (1,000 millirems = 1 rem).

Reprocessing
Chemical treatment of spent reactor fuel to separate uranium and plutonium from the small quantitiy of fission products (and from each other), leaving a much reduced quantity of high-level waste.

Shielding
Material, such as lead or concrete, that is used around a nuclear reactor to prevent the escape of radiation and to protect workers and equipment.

Spent Fuel
This is used nuclear fuel awaiting disposal.

Stable
Incapable of spontaneous radioactive decay.

Thermal Reactor
A reactor in which the fission chain reaction is sustained primarily by slow neutrons (as distinct from Fast Neutron Reactor).

Transuranic Element
A very heavy element formed artificially by neutron capture and subsequent beta decay(s). Has a higher atomic number than uranium (92). All are radioactive. Neptunium, plutonium and americium are the best-known.

Uranium
A mildly radioactive element with two isotopes which are fissile (U-235 and U-233) and two which are fertile (U-238 and U-234). Uranium is the basic raw material of nuclear energy.

Uranium Oxide Concentrate (U308)
The mixture of uranium oxides produced after milling uranium ore from a mine. Sometimes loosely called yellowcake. It is khaki in colour and is usually represented by the empirical formula U308. Uranium is exported from Australia in this form.

Vitrification
The incorporation of high-level wastes into borosilicate glass, to make up about 14% of the product by mass.

Waste
High-level waste (HLW) is highly radioactive material arising from nuclear fission. It is recovered from reprocessing spent fuel, though some countries regard spent fuel itself as HLW and plan to dispose of it in that form. It requires very careful handling, storage and disposal.

Waste
Low-level waste is mildly radioactive material usually disposed of by incineration and burial.

Yellowcake
Ammonium diuranate, the penultimate uranium compound in U308 production, but the form in which mine product was sold until about 1970.

Sources Used:
www.gnep.energy.gov/gnep**Glossary**OfTerms.html;
http://www.sea-us.org.au/glossary.html

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site **Source Document Tracking Number:** C002

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- [x] TRU Waste Management Program Information
- [x] Waste Stream-Specific Information
- [ ] Additional Information

Category:
- [x] C - Correspondence
- [ ] DR - Discrepancy Resolution
- [ ] P - Published procedures and reports
- [ ] U - Unpublished documents

Title or Description of Source Document [a]: Memo to J. McAlpin from T.J. Feske re: Pu-Be Sources - 777-10A

Source Document Reference Information (author(s), document and revision number, date, publisher): T. J. Feske, Document Number and Revision: NA, 09/12/2002

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR2, PR5, PR6, WS1, WS2, WS6, WS7	Throughout	This document is correspondence between J. McAlpin of LANL and T.J. Feske of SRS discussing the origin, use and disposition of Pu-Be sources M29, M44, M45, M46, M47A, and M47B. Provides evidence that the sources were used in support of DOE weapons complex for production reactors at SRS.

Source Document Data Limitations (if any):

1. Limited to the 5 sources evaluated by the OSRP in Building 777-10A, including M029, M044, and M045.

Acceptable Knowlege Expert:

Kevin J. Peters / Sign Date: 7/2/2013
Print

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/9/13

SRS
savannah river site
TM

WESTINGHOUSE SAVANNAH RIVER COMPANY
INTEROFFICE MEMORANDUM

SEPTEMBER 12, 2002

TO: J. McALPIN
OFF SITE SOURCE RECOVERY PROGRAM
LOS ALAMOS NATIONAL LABORATORY

FROM: T. J. FESKE
PROJECT MANAGER
FACILITIES DECONTAMINATION and DECOMMISSIONING

Pu-Be SOURCES – 777-10A
[M29, M44, M45, M46, M47A, and M47B]

The Savannah River Site was an integral part of the Department of Energy's (DOE) weapons complex between 1942 and 1992. The subject sources were used to support three research / test reactors in the Physics Laboratory (777-10A) at the Savannah River Site (SRS) during this period. The Physics Laboratory and sources provided a means to study in detail the operation and performance of production type reactors with easy access and full safety for personnel. As such, the sources were an essential part of the research phase for DOE and the production of nuclear weapons during the Cold War Era.

The sources were purchased from the Monsanto Research Corporation in 1965. The sources were used to support research work at the Savannah River Site until the Physics Laboratory was shutdown in 1978.

There is no defined DOE Mission for the Physics Laboratory (777-10A) or the sources at SRS. The building is shutdown with no specific plans for reuse. Removal and disposition of the sources are part of the Risk Mitigation Program for Inactive Facilities at SRS.

cc: 777-10A File, 730-M

To: Tom Feske 5/23/02
From: Jerry McAlpin

Subject: Special Form Capsule (SFC) Requirement

After further analysis of the reported source dimensions and the available height in the S-100 container, it has been determined that two additional sources, M-44 and M-45, will not fit into the S-100 containers. The S-100 has two poly shield plugs that are placed within the stainless steel pipe to provide the required neutron shielding. One shield plug is placed at the bottom of the pipe below the payload and one above the payload. With the poly shield plugs installed, the maximum height available between them is 17 inches, thus limiting the overall payload length to 17 inches. The total length of the one-inch internal diameter SFC is 3.5 inches greater than the available internal height. The 3.5 inches is comprised of one inch of metal at the bottom, 1.5 inches at the top and one inch for the tapered plug. For a 17 inch overall length SFC and not allowing for any void space above the source, therefore, the maximum allowable source length is 13.5 inches. Sources M-44 and M-45 exceed the length limitation for the S-100 container, see chart below.

S-300

Serial Number	Length Originally Reported (inches)	Measured Length (inches)	Internal Void Space	Requested Special Form Capsule Internal Available Length (inches)	~~S-100~~ Internal Maximum Internal Height with Poly Shields
M29	24	23.63	1	27.13	17 inches
M-44	13.42	18	1	21.5	17 inches
M-45	16	15.25	1	18.75	17 inches
M-46	10.1	12	1	15.5	17 inches
M-47A	9.54	9.5	1	13	17 inches
M-47B	Not included	6.75	1	10.25	17 inches

An apparent obvious solution would be to modify the poly shields to accommodate the longer sources. Since the S-100 is a WIPP approved design with the individual components described in the TRUPACTII Safety Analysis Report (SAR), the shield cannot be modified without a revision to the SAR. Revising this document is expensive and will require a long lead-time to obtain NRC approval.

Since M-29 will require design and NRC approval of a new container to accommodate the extra source length, M-44 and M-45 could also be packaged into the new container when the NRC approves it. The OSR Project believes that this option is reasonable and economical and recommends that we take this path forward.

Unless further dialogue is needed, the OSR Project will plan to send one or two team members to Savannah River the latter part of this fiscal year to encapsulate M-29, M-44, M-45, M-46, M-47A and M-47B into special form capsules. M-46, M-47A, and M-47B will be packaged into ____ S-100 containers for transport to LANL. The S-100 containers will be procured from Westinghouse EPD by Savannah River and will be staged on-site when the recovery team arrives. Sources M-29, M-44 and M-45 will remain at Savannah River until a WIPP approved container has been manufactured. At that point an OSR Project team will travel to Savannah River and package the remaining sources for shipment to LANL.

There also may be an issue with encapsulation of M-29. Currently there is a backlog at Pacific Testing Lab. which may affect the capsule delivery date. If the capsule has not been manufactured prior to the scheduled on-site work, the OSR Project will provide an individual to encapsulate the source when the SFC is delivered. We do not anticipate this delay carrying over into the next fiscal year.

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site | Source Document Tracking Number: C001

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- [x] TRU Waste Management Program Information
- [x] Waste Stream-Specific Information
- [ ] Additional Information

Category:
- [x] C - Correspondence
- [ ] DR - Discrepancy Resolution
- [ ] P - Published procedures and reports
- [ ] U - Unpublished documents

Title or Description of Source Document [a]: Characterization of Sources from Savannah River Plant

Source Document Reference Information (author(s), document and revision number, date, publisher): M. W. Pearson, Document Number and Revision: NA, 09/26/2002

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR3, PR4, PR5, PR6, PR7, WS6, WS11	Throughout	This document describes the manual characterization, performed by OSRP to estimate the radiological content of the sources prior to transportation to LANL or submission for disposal, requires: • Examination of records to identify acceptable knowledge documentation pertinent to source characterization • Estimation of individual source content • Decay correction of initial source content • Evaluation of decayed content against compliance standards for packaging, storage and ultimate disposal at WIPP Includes decay product tables for the neutron sources in Building 777-10A.

Source Document Data Limitations (if any):

1. Limited to the 5 sources evaluated by the OSRP in Building 777-10A, including M029, M044, and M045.

Acceptable Knowlege Expert:

Kevin J. Peters , [signature] Date: 7/2/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/9/13

MEMO TO FILE

FROM: M. W. Pearson 9/26/2002

DATE: 9/26/2002

SUBJECT: Characterization of Sources from Savannah River Plant

Introduction

The sources described and characterized in this document and cited attachments were constructed using materials with initial nuclide distributions substantially different than those used in the Characterization Function built into the OSR Project database. Use of this function would not provide accurate estimates of the source content, therefore, manual characterization is required.

Manual characterization, performed to estimate the radiological content of the sources prior to transportation to LANL or submission for disposal, requires:

- Examination of records to identify acceptable knowledge documentation pertinent to source characterization
- Estimation of individual source content
- Decay correction of initial source content
- Evaluation of decayed content against compliance standards for packaging, storage and ultimate disposal at WIPP

Discussion

The primary document used for characterization of these sources is a drawing produced by Monsanto Research Corporation, the manufacturer, # MRC H-SS-Pu8Be-29, which includes:

- Source serial numbers
- Physical dimensions
- Grams of PuO_2 and Beryllium used in each identified source
- Isotopic distribution within the PuO_2 used for source construction

Using the data from this drawing, the initial content of the sources was estimated, by nuclide. The initial content was then decay corrected using the commercial decay correction package RADDECAY. Nuclides present in the predicted decayed inventory were selected based on the potential for contribution to 95% of total activity in the source and reporting requirements identified in the WIPP Waste Acceptance Criteria.

The predicted decay inventory of each source was then evaluated, unique to each source, for compliance with DOT or WIPP limits on transportation, packaging and disposal.

All calculations are documented in the attached spreadsheet – Decay Product Inventory in SRS Sources. Calculation results should be used to evaluate specific packaging configurations as appropriate to the limits for each packaging type.

Results/Conclusions

The nuclide distributions indicated in this document should be used for evaluation of packaging configurations planned or executed during the recovery visit.

Factors not evaluated include compliance with unshielded dose rate limits if sources are packaged in 12" POCs with internal shielding.

No attempt has been made, in this package, to estimate the activity of activation or decay products, including Sr90, Cs137 or Co-60.

Attachments

1. Spreadsheet – Decay Product Inventory in SRS Sources
2. Drawing – MRC-N-SS-W-Pu8Be-29
3. RADDECAY Printouts – sources M29, M44, M45, M46, M47

DECAY PRODUCT INVENTORY IN SRS SOURCES

Assumptions and Data Conversion Factors:

NOTE: Sr-90 and Cs-137 concentrations not characterized via this spreadsheet

Nuclide	FGE	W/g	SpA (Ci/g)	PECi	Type A
Am-241	1.87E-02	1.16E-01	3.47E+00	1.00E+00	5.41E+01
Np-237	1.50E-02	2.09E-05	7.13E-04	1.00E+00	5.41E+01
Pa-233	0	4.90E+01	2.08E+04	0.00E+00	1.35E+02
Pu-238	1.13E-01	5.73E-01	1.73E+01	9.09E-01	5.41E+01
Pu-239	1.00E+00	1.95E-03	6.29E-02	1.00E+00	5.41E+01
Pu-240	2.25E-02	7.16E-03	2.30E-01	1.00E+00	5.41E+01
Pu-241	2.25E+00	3.31E-03	1.04E+02	1.96E-02	1.08E+03
Pu-242	7.50E-03	1.17E-04	3.97E-03	9.09E-01	5.41E+01
U-233	1.00E+00	2.84E-04	9.76E-03	2.56E-01	2.70E+02
U-234	0	1.82E-04	6.32E-03	0.00E+00	2.70E+02
U-237	0	1.64E+02	8.25E+04	0.00E+00	N/A
U-238	0	8.62E-09	3.40E-07	0.00E+00	N/A

	M29		M44		M45		M46		M47	
	Curies	Grams	Curies	Grams	Curies	Grams	Curies	Grams	Curies	Grams
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01	9.07E-01	2.61E-01	2.16E-01	6.22E-02
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02	7.03E-06	9.86E-03	1.67E-06	2.34E-03
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10	7.00E-06	3.37E-10	1.66E-06	7.98E-11
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00	1.36E+01	7.86E-01	3.24E+00	1.87E-01
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00	2.15E-01	3.42E+00	5.11E-02	8.12E-01
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00	1.41E-01	6.13E-01	3.38E-02	1.47E-01
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02	5.82E+00	5.60E-02	1.38E+00	1.33E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02	2.37E-04	5.97E-02	5.65E-05	1.42E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08	4.23E-10	4.33E-08	1.01E-10	1.03E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01	1.65E-03	2.61E-01	3.91E-04	6.19E-02
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09	1.43E-04	1.73E-09	3.39E-05	4.11E-10
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06	1.35E-12	3.97E-06	3.22E-13	9.47E-07
Totals	6.61E+01		2.48E+01		3.42E+01		2.07E+01		4.92E+00	

Source ID M29

Nuclide	FGE	Watts	PECi	Type A
Am-241	1.56E-02	9.69E-02	2.90E+00	5.36E-02
Np-237	4.73E-04	6.60E-07	2.25E-05	4.16E-07
Pa-233	0.00E+00	5.28E-08	0.00E+00	1.66E-07
Pu-238	2.83E-01	1.44E+00	3.95E+01	8.02E-01
Pu-239	1.09E+01	2.13E-02	6.86E-01	1.27E-02
Pu-240	4.42E-02	1.41E-02	4.52E-01	8.35E-03
Pu-241	4.02E-01	5.92E-04	3.65E-01	1.72E-02
Pu-242	1.32E-02	2.07E-04	6.37E-03	1.30E-04
U-233	1.38E-07	3.93E-11	3.46E-10	5.00E-12
U-234	0.00E+00	1.51E-04	0.00E+00	1.94E-05
U-237	0.00E+00	9.06E-07	0.00E+00	N/A
U-238	0.00E+00	1.01E-12	0.00E+00	N/A
TOTALS	1.17E+01	1.57E+00	4.39E+01	8.94E-01

Source ID M44

Nuclide	FGE	Watts	PECi	Type A
Am-241	5.87E-03	3.64E-02	1.09E+00	2.01E-02
Np-237	1.77E-04	2.47E-07	8.43E-06	1.56E-07
Pa-233	0.00E+00	1.98E-08	0.00E+00	6.21E-08
Pu-238	1.06E-01	5.40E-01	1.48E+01	3.01E-01
Pu-239	4.10E+00	8.00E-03	2.58E-01	4.77E-03
Pu-240	1.66E-02	5.29E-03	1.70E-01	3.14E-03
Pu-241	1.51E-01	2.22E-04	1.37E-01	6.46E-03
Pu-242	5.38E-04	8.40E-06	2.59E-04	5.27E-06
U-233	5.19E-08	1.48E-11	1.30E-10	1.88E-12
U-234	0.00E+00	5.67E-05	0.00E+00	7.30E-06
U-237	0.00E+00	3.40E-07	0.00E+00	N/A
U-238	0.00E+00	4.11E-14	0.00E+00	N/A
TOTALS	4.38E+00	5.90E-01	1.65E+01	3.36E-01

Source ID M45

Nuclide	FGE	Watts	PECi	Type A
Am-241	8.08E-03	5.01E-02	1.50E+00	2.77E-02
Np-237	2.44E-04	3.40E-07	1.16E-05	2.14E-07
Pa-233	0.00E+00	2.73E-08	0.00E+00	8.59E-08
Pu-238	1.47E-01	7.45E-01	2.05E+01	4.16E-01
Pu-239	5.66E+00	1.10E-02	3.56E-01	6.58E-03
Pu-240	2.30E-02	7.32E-03	2.35E-01	4.34E-03
Pu-241	2.09E-01	3.07E-04	1.89E-01	8.93E-03
Pu-242	7.42E-04	1.16E-05	3.57E-04	7.26E-06
U-233	7.17E-08	2.04E-11	1.79E-10	2.59E-12
U-234	0.00E+00	7.83E-05	0.00E+00	1.01E-05
U-237	0.00E+00	4.71E-07	0.00E+00	N/A
U-238	0.00E+00	5.68E-14	0.00E+00	N/A

Source ID M46

Nuclide	FGE	Watts	PECi	Type A
Am-241	4.89E-03	3.03E-02	9.07E-01	1.68E-02
Np-237	1.48E-04	2.06E-07	7.03E-06	1.30E-07
Pa-233	0.00E+00	1.65E-08	0.00E+00	5.19E-08
Pu-238	8.88E-02	4.50E-01	1.24E+01	2.51E-01
Pu-239	3.42E+00	6.67E-03	2.15E-01	3.97E-03
Pu-240	1.38E-02	4.39E-03	1.41E-01	2.61E-03
Pu-241	1.26E-01	1.85E-04	1.14E-01	5.39E-03
Pu-242	4.48E-04	6.98E-06	2.15E-04	4.38E-06
U-233	4.33E-08	1.23E-11	1.08E-10	1.57E-12
U-234	0.00E+00	4.75E-05	0.00E+00	6.11E-06
U-237	0.00E+00	2.84E-07	0.00E+00	N/A
U-238	0.00E+00	3.42E-14	0.00E+00	N/A

TOTALS	6.05E+00	8.14E-01	2.27E+01	4.63E-01

TOTALS	3.65E+00	4.92E-01	1.37E+01	2.80E-01

Source ID M47

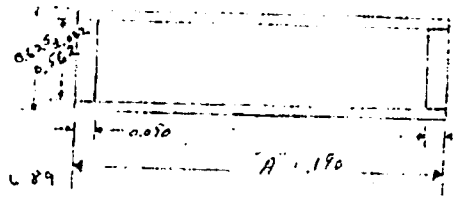
Nuclide	FGE	Watts	PECi	Type A
Am-241	1.16E-03	7.22E-03	2.16E-01	3.99E-03
Np-237	3.51E-05	4.90E-08	1.67E-06	3.09E-08
Pa-233	0.00E+00	3.91E-09	0.00E+00	1.23E-08
Pu-238	2.12E-02	1.07E-01	2.95E+00	5.99E-02
Pu-239	8.12E-01	1.58E-03	5.11E-02	9.45E-04
Pu-240	3.31E-03	1.05E-03	3.38E-02	6.25E-04
Pu-241	2.99E-02	4.39E-05	2.70E-02	1.28E-03
Pu-242	1.07E-04	1.67E-06	5.14E-05	1.04E-06
U-233	1.03E-08	2.94E-12	2.59E-11	3.74E-13
U-234	0.00E+00	1.13E-05	0.00E+00	1.45E-06
U-237	0.00E+00	6.74E-08	0.00E+00	N/A
U-238	0.00E+00	8.16E-15	0.00E+00	N/A
TOTALS	8.68E-01	1.17E-01	3.27E+00	6.67E-02

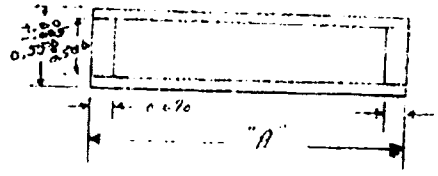
DWG. NO. MRC-N-SS-W-Pu 8[illegible]

As Received Sources

Number	Inches O.D.	Inches Length	n/sec	g Pu	g Pu-238	Ax No.
MCR-N-SS-W-Pu 8[illegible] - 39	0.625	24.0	1.24×10^8	20.4 [11]	60.0	3689 - 8[illegible]
" - 44	0.625	13.42	5.41×10^7	1.26 [6]	39.52	3935 - 6[illegible]
" - 45	0.625	16.0	7.49×10^7	1.74 [6]	47.24	"
" - 46	0.625	10.1	4.58×10^7	1.05 [6]	29.64	"
" - 47	0.375	9.54	1.08×10^7	0.25 [12]	6.048	"

1 45 [illegible]





AX 3689

AX 3935

Pu 238 19.15
239 6.2.3
240 11.29
241 [illegible]
242 1.05

"A" -- AS REQUIRED TO HOLD VOLUME OF MATERIAL SUPPLIED

[11] It is believed that in all cases this is total gms & low grade Pu O_2. i.e 20.4 gms total Pu O_2 – 17.5 gms Total Pu – 3.17 gms Pu 238. Confirmed

[12] [illegible] gms Pu 238

MATERIAL - 304 S.S.

END PLUGS TO BE HELIARC WELDED IN PLACE

NO	DATE	REVISION	BY	CHK'D	APP'D.

DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 1/2°

MONSANTO RESEARCH CORPORATION
DAYTON LABORATORY
DAYTON, OHIO

PLUTONIUM - BERYLLIUM NEUTRON SOURCE
FOR [illegible]

	BY	DATE	CONTRACT NO.
DRAWN			
CHECKED			AUTHORIZATION NO.
APPROVED			
APPROVED			

SCALE DO NOT SCALE DRAWING

DWG. NO. MRC-N-SS-W-Pu 8[illegible]

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site | Source Document Tracking Number: U004

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- ☐ TRU Waste Management Program Information
- ☑ Waste Stream-Specific Information
- ☑ Additional Information

Category:
- ☐ C - Correspondence
- ☐ DR - Discrepancy Resolution
- ☐ P - Published procedures and reports
- ☑ U - Unpublished documents

Title or Description of Source Document [a]: Miscellaneous Neutron Source Repackaging Photographs

Source Document Reference Information (author(s), document and revision number, date, publisher): N/A, N/A, Not Dated

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS9, S16	Throughout	These photographs taken during repackaging show the sources and wood bracing for two of the repackaged neutron sources.

Source Document Data Limitations (if any):

1. Includes photographs for two of the three repackaged neutron sources.

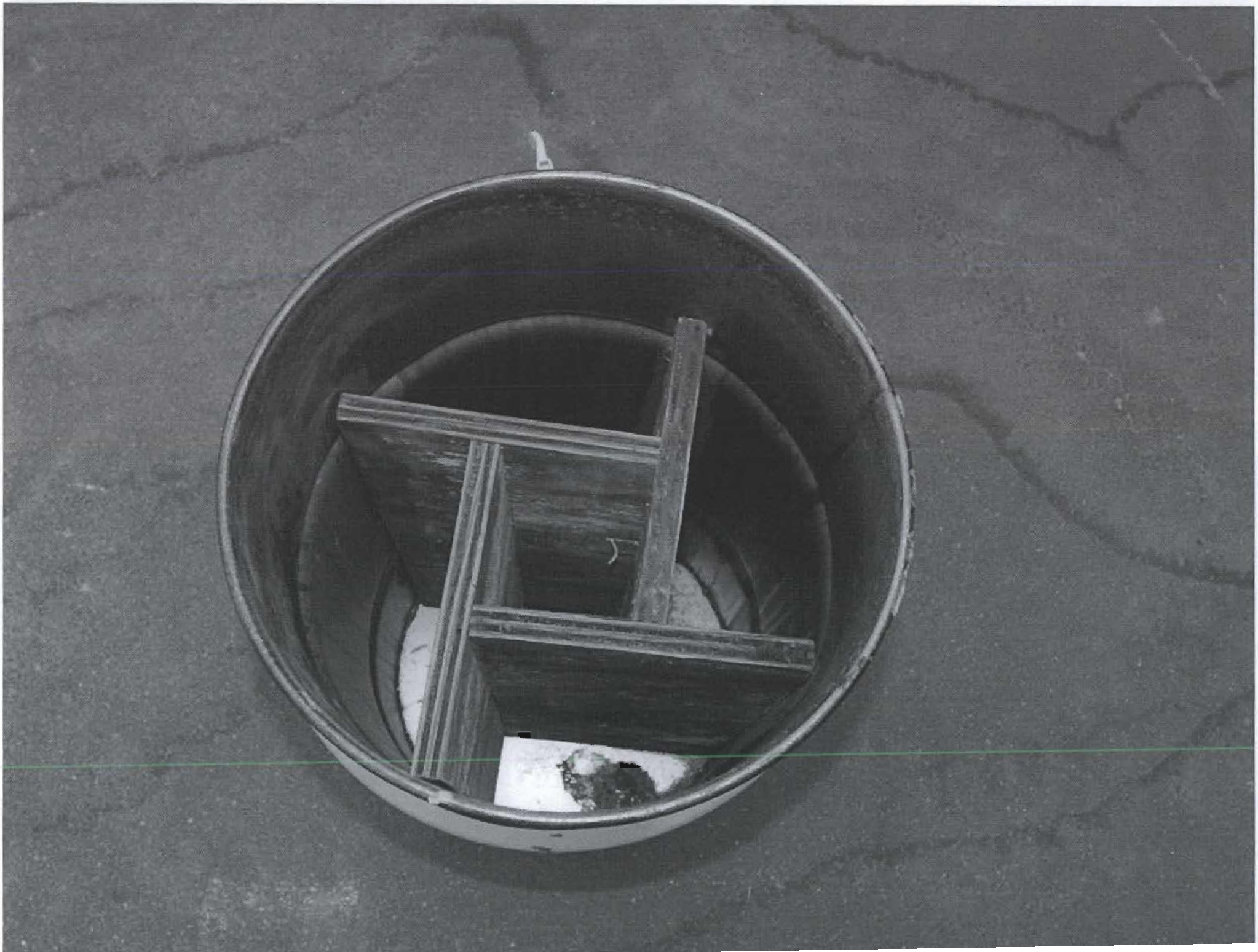
Acceptable Knowledge Expert:

Kevin J. Peters / [signature] Date: 9/18/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/25/13



Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: D018
Waste Stream Number(s): SR-RH-221H.01, SR-RH-221H.02 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ Correspondence ☐ Discrepancy Resolution ☐ Miscellaneous ☐ Internal Procedure or Note ☑ Published Document or Controlled Database ☐ Unpublished Data
Title or Description of Source Document [a] : Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)	
Source Document Reference Information (author(s), document and revision number, date, publisher): April 17,1996	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR3, WS8, WS12	5	[p. 32: This Waste Analysis Plan was developed in accordance with SCHWMR R.61-79.264.13 and is an integral part of the SRS 1992 RCRA Part B Permit Application.] Table C-2 describes the operations and activities associated with the HB-Line. The 221 HB-Line consists of three process operations and an analytical laboratory that has been operable since 1991. - Scrap recovery line: generates nitrate solutions of Pu-238 or U-235/Pu-239 scrap via a dissolution process; also use precipitation and calcination. - Neptunium oxide (237NpO2) and Plutonium oxide (238PuO2) production facilities: convert Np-237 and Pu-238 nitrate solution to oxide powders by anion exchange in the 237NpO2 facility; also use precipitation and calcination. - the 221 HB-Line Analytical Laboratory: performs standard analytical procedures that include liquid spectroscopy, oxide powder analyses, and acid and density analyses. -Routine maintenance: performed on processing operations and laboratory facilities.
PR3, WS8, WS12	7	Prior to being placed on RCRA Interim Status (1981 to May 1987), SRS managed the generation of TRU wastes under administrative controls (i.e., procedures and training) developed according to DOE guidance and directives. During this time period, SRS was concerned with the safe handling, packaging, and storage of the solid TRU waste to minimize radiological and chemical reaction hazards for both onsite and offsite generators (i.e. AGNS). The quantity of Pu per container was controlled to address criticality concerns and heat generation for radiological decay, as well as the presence of liquid and incompatible chemicals. However, the controls did not require the identification of the waste's hazardous components according to RCRA. The administrative controls for onsite and offsite generators required the wastes sent to the TRU pads be properly packaged, and documented by the generating operations before transport to the TRU pad facility. All waste containing residual acids was to be neutralized and resins converted to a stable sulfate form before packaging. Furthermore, waste had to have all liquids that could be removed by normal means removed by the generators prior to packaging. However, due to process and container management constraints, the generators could not entirely eliminate liquids in some of their waste. As a result, absorbent materials were added to the waste at a ratio of at least 3:1 for the volume of the residual liquid. These wastes included punctured aerosol cans, small quantities of hydraulic oils and rags. Personnel were trained and supervised during waste removal and packaging in the process and laboratory facilities.

CCP RECORDS ORIGINAL
DATE REC'D 11-15-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: D018
AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR3, WS8, WS12	7,8	The waste was removed from the product processing, laboratories or construction operations in polyethylene bags to limit the radiological exposure to personnel. Each bag (known as a cut) was assayed for isotopic quantities to meet the nuclear safety and head load limits stipulated by DOE. The cuts were put into 5-gallon pails for assaying by the facility or operation then placed into 55-gallon drums with polyethylene lines based on size into larger metal and concrete containers with polyethylene liners. Drums assayed at greater than 0.5 Ci were placed inside concrete culverts to reduce their radiological hazards. The culverts hold fourteen 55-gallon drums. The containers of waste were finally placed on engineered sloped concrete pads with sumps for run-on storage. All containers were placed on the pads side by side without aisle spacing and stacked one container high with the exception of the 55-gallon drums and B-25 metal boxes, which were stacked two containers high. This method of storage was used to conserve storage space because the waste would remain on the pad until it was retrieved for processing and disposal at WIPP.
PR3, WS8, WS12	8	In August 1986, SRS modified its generator administrative controls to segregate and package its TRU waste according to the WIPP-WAC. With this effort SRS took its first step towards implementing the management of TRU waste for final disposal at the WIPP. The SRS management of solid TRU waste during the period 1981 to May 1987 was based on safety concerns and meeting the requirements of the WIPP. The hazard designation and characteristics of the waste generated during this period are based on current descriptions of the generators' processes since the processes have remained unchanged over the years. Because the waste streams of the generators were not characterized according to RCRA listed hazardous waste numbers it is assumed that the solid waste generated during this period are all mixed. It is further conservatively assumed that the waste from each generator is contaminated with all the hazardous constituents present in a given generators' process(es), laboratory or construction activity. The hazardous characteristics of the waste are limited to toxicity, acutely hazardous and toxic waste as defined by the South Carolina Hazardous Waste Management Regulations (SCHWMR) R.61.79.264.24.
WS12	10	Administrative controls of solvent rags were not well documented by SRS. Consequently, the presence of solvent rags could not be ruled out of the waste streams for all solid nonhazardous, hazardous, low-level and TRU waste on the SRS prior to January 25, 1990. As a result, all TRU and low-level waste generated prior to January 25, 1990 is characterized as toxic (not ignitable) having been contaminated with F001, F002, F003, and F005 in addition to other listed wastes identified for the waste containers.
WS5	11	Figure C-2 is the Management Scheme for SRS Solid Mixed and Radiological Waste.
WS12	13	Waste in nonvented (pre 1986) 55-gallon drums is considered potentially hazardous by the characteristic of reactivity (D003) for hydrogen gas.
WS9	15	Table C-4 lists the routine materials generated at the 221 HB Building as follows: paper, plastic and lead-lined gloves, wipes, cloth, rags, plastic film sheeting, bottles, labware, sponges, glassware, small tools, metal hardware, crucibles, piping, tubing and fittings, instruments, freon, residues, filters, hydraulic oil, and resins converted to stable sulfate form.
WS12	15	Table C-4 also lists the hazardous constituents and their associated EPA ID Number for the HB Line waste: Acetone F003/U002 Cadmium D006 Carbon Tetrachloride D019/F001/U211 Chloroform D022/U044 1,1-Dichloroethylene D029/U078 1,2-Dichloroethylene U079

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: D018
AK # [b]	**Source Doc. Page # [c]**	**AK Information Summary**
		1,4-Dioxane Hydrofluoric Acid U134 Hydrogen D003 Lead D008 Magnesium D001/D003 Methanol F003/U154 Phosphorus D001 Sodium D001/D003 1,1,2,2-Tetrachloroethane U209 Tetrachloroethylene D039/F001/F002/U210 1,1,1-Trichloroethane F001/F002/U226 Trichloroethylene D040/F001/F002/U228 Vinyl chloride D043/U043

Source Document Data Limitations (if any):

1. Assignment of D003 is no longer warranted due to venting of all drums.
2. Draft document, never submitted by SRS EPD to South Carolina regulators.

Acceptable Knowlege Expert:

Sherry Auckland — Date: 11/5/2012

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

UNCLASSIFIED
DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
ADC &
Reviewing
Official
Date: 12-12-01

Waste Analysis Plan

(TRU Waste Storage Pads and ETWAF/WCF)

The Transuranic Waste Storage Pads Facility (TRU Pads) and the Experimental Transuranic Waste Assay Facility / Waste Certification Facility (ETWAF/WCF) are used to store solid mixed wastes. The mixed waste contains both a hazardous component as defined by Resource Conservation and Recovery Act of 1986 (RCRA), and a radioactive component. The facility will also store solid radioactive wastes which are not regulated under RCRA. These mixed and radioactive wastes will be stored at the Savannah River Site (SRS) until they can be removed for treatment and disposal.

The radioactive component of these wastes may be either Transuranic (TRU) or low-level radioactive. The solid TRU mixed and radioactive wastes are planned to be processed for transportation and disposal at the Waste Isolation Pilot Plant (WIPP). The solid low-level mixed waste is planned to be sent to an onsite RCRA permitted facility for treatment, while the low-level radioactive waste will be disposed of onsite or offsite.

The radioactivity of these wastes presents hazards different from the usual concerns of chemical toxicity. Special containerization is used to package the waste and to limit personnel exposure to transuranic contaminated wastes. Due to the radioactive nature of these wastes, typical sampling and chemical analysis for hazardous constituents cannot be readily obtained for inclusion in this Part B application. Sample collection, transport, and preparation and analysis for hazardous constituents could subject employees to potentially unsafe levels of radioactivity. These activities conflict with the SRS goal of minimizing personnel radiation exposure in accordance with ALARA (as low as reasonably achievable) principles. Due to the potential hazards associated with opening and sampling waste containers, SRS proposes to manage the TRU Pads Facility and Waste Certification Facility (ETWAF/WCF) based upon the knowledge of the waste generating processes.

When the onsite Transuranic Waste Facility (TWF) is permitted and operational the containers stored at the TRU Pads Facility will be retrieved and repackaged. TRU waste and TRU mixed waste (>10 nCi/g of alpha activity) will be repackaged according to the WIPP Waste Acceptance Criteria (WAC) for transportation and disposal at WIPP. The low-level waste (≤10 nCi/g) will be segregated and repackaged as either mixed or radiological waste. The low-level mixed waste will be treated and disposed at another onsite RCRA permitted treatment and disposal facility. The low-level radiological waste will be disposed onsite or offsite.

C.1 Chemical and Physical Analysis

[REF: R.61-79.270.14(b)(2); 264.13(a)]

The TRU Pads Facility (Pads 6 through 19) has accepted solid radioactive and mixed wastes, primarily transuranic, from onsite (and small quantities from offsite generators) since 1981. The Waste Certification Facility (ETWAF/WCF) began operation in 1986 and assayed and x-rayed over 10,000 drums before being placed on standby in 1991. The SRS facilities that generated the largest quantities of waste stored on the TRU Pads 6 through 19 include 221-FB Line, 221-HB Line, Building 235-F and the 772-F and 773-A Laboratories. These are referred to as the five main generators. Other onsite generators include: Naval Fuels (247-F), 776-A Laboratory, Reactors, Tank Farm (241-H), Solid Waste Disposal Facility (643-E) and various low-level generators. The onsite generators solid waste consists of plastic, wood, cloth, paper, rubber, metal cans, glassware, hardware, small equipment, filters, small quantities of neutralized resins, absorbed sludges, and absorbed hydraulic oil.

ORIGINAL

The characteristics of the onsite waste have not changed over the life of these facilities; there have been no major process operation changes in any of the onsite production facilities since their construction. In all cases, while equipment has been replaced and upgraded, the facility design, process technology, and chemistry have been unchanged. Likewise in the laboratory facilities, which provide analytical support for SRS production facilities, the only changes to occur have been the replacement and upgrade of analytical equipment.

Levels of hazardous constituents have been reduced in the TRU and low-level mixed waste streams since SRS went under RCRA interim status in 1987. This was accomplished through the reduction and removal of hazardous chemicals from the process and laboratory support areas (i.e., gloveboxes and radiobenches) and construction operations [i.e., decommission and decontamination (D&D) and operations and maintenance (O&M)]. In addition, some of the primary TRU waste generators have slowed their operations. 221-FB Line has been in cold standby since May 1989. Building 235-F has been deactivated since the mid-1980s and the Old 221-HB Line has been closed since 1982. There are no plans to reactivate the 235-F facility in the future.

Offsite generators have contributed less than one half of one percent of the waste store at the TRU Pads Facility. The offsite generators include: Allied-General Nuclear Services (AGNS), the Department of Defense (DOD), Knolls Atomic Power Laboratory (KAPL), and the National Institute of Standards and Technology (NIST). The offsite generators' solid waste consists of plastic, wood, cloth, paper, rubber, metal cans, glassware, hardware, small equipment, filters, solidified aqueous TRU waste, and small laboratory radioactive sources. It has been SRS policy to accept only non-hazardous TRU waste from offsite generators. All offsite TRU waste since May 1, 1987 has been packaged according to the WIPP-WAC.

Physical Analysis

The physical form of the waste is solid, radiated with various quantities and types of radioisotopes (to be classified as TRU or low-level) and may or may not be inherently RCRA hazardous or contaminated with a listed RCRA hazardous waste. The waste stored at the TRU Pads Facility and handled in the ETWAF/WCF falls into one of the categories described in Table C-1.

Table C-1. TRU Pads Facility and ETWAF/WCF Waste Categories

	TRU (>10 nCi/g)	Low-level (≤10 nCi/g)
RCRA Solid Waste	TRU Mixed Waste	Low-level Mixed Waste
Solid Waste	TRU Waste	Low-level Waste

The physical form of the onsite waste from the five main generators has remained the same over the years. The other onsite and offsite generators have contributed some waste that has unique physical form however all the waste has been contaminated with similar radioisotopes.

To understand the characterization of the TRU and low-level mixed and radioactive waste it is necessary to discuss the basic design of the facilities, the waste sources and the management of the wastes by the generators and the TRU Pads Facility and the ETWAF/WCF.

Basic Facility Design

The facilities that contribute to the TRU Pads Facility and the ETWAF/WCF are product processing and laboratory operations. In addition, construction activities generate waste that contribute to the TRU Pads Facility and the ETWAF/WCF. The facilities and construction activities are uniquely designed to produce, process, conduct experiments and handle transuranic radiological products such as plutonium 238 and 239, and uranium 235. Each operation is confined by shielding to isolate its radiological hazards from personnel and the environment. Fig. C-1 is a simple schematic of the unique design of the facilities and construction activities.

Access to the product processing, laboratory and construction operations is limited to glovebox lines, radiobenches for facilities and radiological huts for construction activities. Personnel conduct their work remotely and manually through shielded glovebox lines and radiobenches using lead lined gloves or within radiological huts with shielding and wearing personnel protective equipment. Due to the significant radiological hazards of the operations, all activities are controlled and personnel follow strict administrative controls to perform their work, including waste handling and packaging. The product or samples are introduced to the product processing operation and laboratory radiobenches by product feedlines or container. The construction activity would be contained with in a radiological hut (Fig. C-1).

The product processing, laboratory and construction activities that have contributed to the TRU Pads Facility and ETWAF/WCF are listed in Table C-2. The scale of the product process operations are many times larger than the laboratory operations or construction activities. Liquid waste streams by facility design are recycled in product processing operations and are treated and stored in laboratory operations and construction activities. The basis for this design feature is safety and to recover the valued fissile material.

The Source of TRU and Low-level Mixed and Radioactive Waste

The source of TRU and low-level mixed and radioactive wastes, from product processing, laboratory, and construction operations are the materials introduced and removed during daily work activities. Fig. C-1 depicts the two support areas around the product processing. laboratory operations and construction activities, the glovebox line, radiobench, or radiological hut and the Radiologically Controlled Area (RCA). Based on the point of generation of the waste it is initially characterized as either TRU or low-level. An assay of the waste ($>$ or $\leq$ 10 nCi/g) by the generator typically confirms this characterization. If necessary the waste is treated using basic neutralization and absorption techniques then characterized as a listed RCRA hazardous waste. The hazardous characterization occurs before a waste is removed from a glovebox line, radiobench, radiological hut. Although this type of characterization was not perform prior to May 1, 1987, when SRS was placed on RCRA Interim Status, the generators were concerned with the hazards presented by chemical reactions in their operations and waste packaging. The Waste Management Section will discuss the waste characterization before May 1, 1987. The materials being brought into an operation or RCA are also controlled. All facilities and generators have hazardous substance programs to identify and track items that could be characterized as a RCRA listed hazardous waste when disposed.

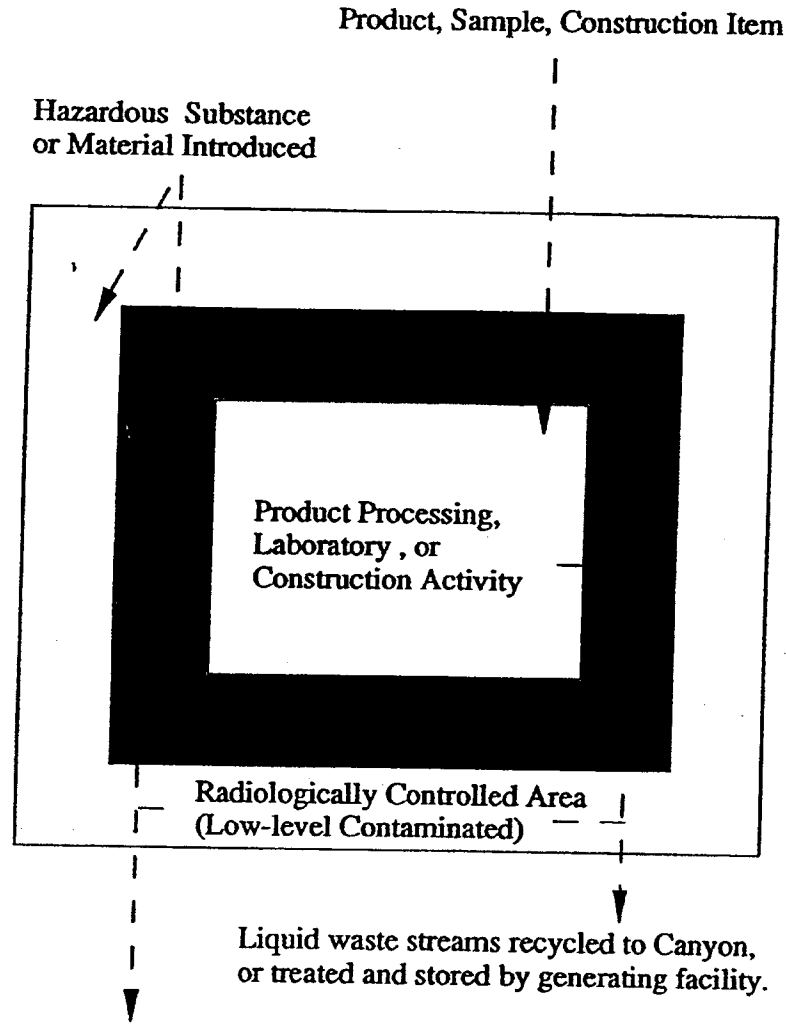


Fig. C-1 Basic Design of the Product Processing, Laboratory and Construction Operations

Table C-2 The Product Processing and Laboratory Operations and Construction Activities

Facility	Operations/Activities
221-FB Line	221 FB-Line consists of five process operations. Cation exchange, precipitation, and filtration of 221-F Canyon plutonium product are performed to produce plutonium trifluoride cakes, which are converted to plutonium metal in a mechanical glovebox line. Recovery and special recovery operations recover, purify, and concentrate plutonium from miscellaneous sources around the SRS. Routine maintenance activities are also performed on all processing operations within the facility.
221 HB-Line	221 HB-Line consists of three process operations, and an analytical laboratory (operable since 1991). The scrap recovery line generates nitrate solutions of Pu 238 or U 235/Pu 239 scrap through a dissolution process. The neptunium oxide (237 NpO_2) and plutonium oxide (238 PuO_2) production facilities convert Np 237 and Pu 238 nitrate solutions to oxide powders through anion exchange in the $^{237}NpO_2$ facility, and precipitation and calcination in both operations. The 221 HB-Line laboratory performs standard analytical procedures including acid and density analyses, liquid spectroscopy, and oxide powder analyses. Routine maintenance activities are also performed on processing operations and laboratory facilities.
235-F	Building 235-F processes are the Plutonium Experimental Facility (PEF), the Plutonium Fuel Form Facility (PuFF), the Old Metallurgical (Met) Lab, the New Met Lab, and the Actinide Billet Line (AB-Line). The PEF served as a semiworks facility to develop $^{238}PuO_2$ heat source fabrication processes carried out on a large scale in PuFF, and the Old Met Lab provided support for both facilities through the examination of completed pellet grain boundaries and cladding. (The New Met Lab was never operated). $^{238}PuO_2$ from 221 HB-Line was received in PuFF, reduced in an oxygen exchange furnace, sintered, milled, and pressed into a ceramic pellet which was welded into an iridium shell for off-site shipment. Similarly, $^{237}NpO_2$ from 221 HB-Line was received in AB-Line, mixed with aluminum powder, and pressed into compacts which were welded into a billet for shipment. Routine maintenance activities are also performed.

Table C-2 The Product Processing and Laboratory Operations and Construction Activities

Facility	Operations/Activities
Laboratory Facilities (772-F, 773-A, 776-A)	The laboratories provide analytical support and research and development services for site production facilities. Bench scale experiments and standard analytical procedures are performed primarily in gloveboxes and radiobenches. Operations include, but are not limited to, testing of process flowsheets, nuclear separations, analytical and organic chemistry, materials characterization, instrument and extraction studies, and furnace operations. Routine maintenance activities are also performed.
H Canyon (221-H), H-Area Tank Farm (241-H), Reactors (105-P) 235-F Tank	Items removed from facilities as part of regular maintenance and construction activities.
Solid Waste Disposal Facility (643-E)	Investigation derived waste (IDW) from construction activities on TRU Pads.
Allied-General Nuclear Services (AGNS)	*Small scale reprocessing of commercial nuclear fuel rods from facility startup.*
Knolls Atomic Power Laboratory (KAPL)	*Laboratory analysis and bench scale experiments with Pu and U*
National Institute of Standard and Technology (NIST)	*Laboratory analysis and bench scale experiments with Pu and U*
Department of Defense (DOD)	*Small radioactive sources removed during maintenance activities*

The facility and construction operations, especially the product processing operations, occur in an environment that is hostile to personnel and equipment because of heat and radioactivity. As a result, regular maintenance activities are required. Those activities include changing equipment such as valves, pumps, lead lined gloves, small and large HEPA filters, and entire gloveboxes and radiobenches; cleaning gloveboxes and radiobenches; and preparing waste for removal from glovebox lines and radiobenches. Other daily work activities include the introduction of materials to facility operations, the performance of analytical procedures or bench scale experiments, and construction operations. Maintenance and other daily work activities also occur within the RCA which may result in the generation of low-level mixed and radiological waste. The TRU Pads Facility is not the primary storage area for solid low-level mixed or radioactive waste. Low-level radioactive waste is disposed onsite and offsite. On occasion, quantities of low-level mixed waste may be stored at the TRU Pads Facility to await treatment and disposal.

The performance of maintenance and daily work activities produces significant quantities of disposable personnel protective equipment known as job control waste. The majority of waste sent to the TRU Pads Facility over the years has been job control waste. Although production activities have slowed, job control waste will continue to be generated at SRS through D&D, construction, and continued laboratory activities.

Waste Management

During the period the TRU Pads Facility has been in operation, SRS has refined its waste management approach three times to meet changes in DOE guidance and directives as well as regulatory requirements. The approaches are discussed in the following sections to provide background on the characterization of the waste currently stored on TRU Pads 6 through 19. The approaches are identified by the following time periods: 1981 to May 1, 1987, May 1, 1987 to January 25, 1990, and January 25, 1990 to the present.

Pre-RCRA Interim Status (1981 to May 1, 1987)

Prior to being placed on RCRA Interim Status (1981 to May 1987), SRS managed the generation of TRU wastes under administrative controls (i.e., procedures and training) developed according to DOE guidance and directives. During this period, SRS was concerned with the safe handling, packaging, and storage of the solid TRU waste to minimize radiological and chemical reaction hazards for both onsite and offsite generators (i.e. AGNS). The quantity of plutonium per container was controlled to address criticality concerns and heat generation from radiological decay, as well as the presence of liquid and incompatible chemicals. However, the controls did not require the identification of the waste's hazardous components according to RCRA.

The administrative controls for onsite and offsite generators required that wastes sent to the TRU pads be properly packaged, and documented by the generating operation before transport to the TRU Pads Facility. All waste containing residual acids were to be neutralized and resins converted to a stable sulfate form before packaging. Furthermore, waste had to have all liquids, that could be removed by normal means, removed by the generator prior to packaging. However, due to process and container management constraints, the generators could not entirely eliminate liquids in some of their waste. As a result, absorbent materials were added to the waste at a ratio of at least three to one for the volume of the residual liquid. These wastes included punctured aerosol cans, small quantities of hydraulic oil and rags. Personnel were trained and supervised during waste removal and packaging in the process and laboratory facilities.

The waste was removed from the product processing, laboratories or construction operations in polyethylene bags to limit the radiological exposure to personnel. Each bag (known as a cut) was assayed for isotopic quantities to meet the nuclear safety and heat load limits stipulated by

DOE. The cuts were put into 5-gallon pails for assaying by the facility or operation then placed into 55-gallon drums with polyethylene liners or based on size into larger metal and concrete containers with polyethylene liners. Drums assayed at greater than 0.5 curies were placed inside concrete culverts to reduce their radiological hazards. The culverts hold fourteen 55-gallon drums. The containers of waste were finally placed on engineered sloped concrete pads with sumps for run-on storage. All containers were placed on the pads side by side without aisle spacing and stacked one container high with the exception of the 55-gallon drums and B-25 metal boxes, which were stacked two containers high. This method of storage was used to conserve storage space because the waste would remain on the pad until it was retrieved for processing and disposal at WIPP.

In August 1986, SRS modified its generator administrative controls to segregate and package its TRU waste according to the WIPP-WAC. With this effort SRS took its first step towards implementing the management of TRU waste for final disposal at the WIPP. The SRS TRU waste streams were segregated according to the categories described in Table C-3. The SRS generators package each waste category separately. The majority of the TRU waste is categorized as job control.

The following year, the Experimental Waste Treatment and Assay Facility (ETWAF) [now part of the Waste Certification Facility] began operation to perform real time x-rays on the drums and to assay drums slated for storage on the TRU pads. The data generated by ETWAF were used by the TRU Pads Facility to check the packaging to ensure that it met the WIPP-WAC requirements. An additional facilities were designed into the ETWAF/WCF to package 55-gallon drums of TRU waste into an overpack container for transportation to the WIPP.

The SRS management of solid TRU waste during the period 1981 to May 1987 was based on safety concerns and meeting the requirements of the WIPP. The hazard designation and characteristics of the wastes generated during this period are based on current descriptions of the generators' processes since the processes have remained unchanged over the years. Because the waste streams of the generators were not characterized according to RCRA listed hazardous waste numbers it is assumed that the solid wastes generated during this period are all mixed. It is further conservatively assumed that the waste from each generator is contaminated with all the hazardous constituents present in a given generators' process(es), laboratory or construction activity. The hazardous characteristics of the waste are limited to toxicity, acutely hazardous and toxic waste as defined by the South Carolina Hazardous Waste Management Regulations (SCHWMR) R.61.79.264.24. Refer to the Hazardous Characteristics Section for the characterization information on these wastes.

RCRA Interim Status (May 1, 1987 to January 25, 1990)

When SRS was placed on RCRA Interim Status (May 1, 1987) administrative controls were created for all hazardous and mixed waste generators to address RCRA packaging and labeling requirements in addition to the WIPP-WAC requirements and DOE guidance and directives. SRS identified hazardous wastes and implemented a sitewide hazardous waste management program. Because of the radiological hazards for personnel sampling TRU waste and low-level its characterization was based on process knowledge.

The storage of waste containers on the TRU Pads continued without aisle spacing because the TRU mixed wastes were documented to be solid materials surfically contaminated with RCRA hazardous wastes (nonreactive or ignitable) or made of nonreactive hazardous metal such as lead (D008). Further, the waste containers were placed on the pads for long term storage, and the storage pad and sump were an adequate control to detect a release from a storage container.

Table C-3. SRS TRU Waste Stream Categories

Category	Description
1 – Job Control	Paper, wipes, cloth, rags, uniforms, cartons, gloves, wood, plastic film sheeting, bottles, labware, sponges, miscellaneous rubber, Plexiglas, leather, firebrick, glassware, ceramic, small tools, metal cans, metal hardware, crucibles, pipe, tubing and fittings, instruments, motors, scales, hot plates, shipping containers
2 – Sludges	Evaporated sludge, caustic sludge (neutralized and absorbed)
3 – Resin	Anion, cation, chelating (converted to stable sulfate form)
4 – Filters	HEPA, canisters
5 – Miscellaneous	Waste which is not considered in any other classification (e.g., unusual pieces of equipment and byproducts from a nonroutine maintenance operation)

Source: WIPP Waste Acceptance Criteria

Unfortunately, the administrative controls of solvent rags were not well documented by SRS. Consequently, the presence of solvent rags could not be ruled out of the waste streams for all solid nonhazardous, hazardous, low-level and TRU waste on the SRS prior to January 25, 1990. As a result, all TRU and low-level waste generated prior to January 25, 1990 is characterized as toxic (not ignitable) having been contaminated with F001, F002, F003 and F005 in addition to the other listed wastes identified for the waste containers. An excerpt from the SRS Settlement Agreement can be found in Appendix 1.

In 1990, the administrative controls were modified to minimize and manage solvent rag waste. Because of the solvent rag settlement agreement SRS placed 400 metal containers (B-25's) of solid low-level mixed waste (F001-F005) on Pads 7 through 13. The low-level mixed waste will remain on the pads until it is sent to an onsite RCRA permitted treatment facility for disposal.

Post Solvent Rags (January 25, 1990 to the present)

SRS has continued to operate under administrative controls to meet RCRA requirements and DOE guidance and directives and for the handling, packaging, and storage of TRU mixed and radioactive waste. In addition, the TRU waste characterization continues to be based on the process knowledge of the generators' waste streams.

Mixed or radiological waste is handled by the waste onsite and offsite generator and Solid Waste Operations (SWO). As shown in Fig. C-2, the waste generator maintains control of the process which generates the waste, analyzes the waste, and completes the required documentation such as the TRU Waste Package Data Form or burial slip. A typical TRU Waste Package Data Form or burial slip can be found in Appendix 4. SWO manages waste at the TRU Pads Facility and the ETWAF/WCF, maintains the necessary records, and arranges for appropriate storage, treatment and disposal.

SWO requires all generators to limit the amount of liquid in the primary container, the primary container being the container that once held the mixed or radioactive waste from which all the liquids may not be removed. The primary container is placed in a secondary container which is then placed in an exterior container. The secondary container is typically a polyethylene bag. The polyethylene bag is typically placed in a 55-gallon steel drum or metal and concrete container. The secondary container must have absorbent material (e.g., celite, oil-dry) in an amount equal to three times the liquid volume. This absorbent material must be in direct contact with the primary container holding the liquid. The total amount of the liquid in the primary container(s) cannot exceed one percent of the volume of the exterior container. The exterior container may be a 55-gallon steel drum an 83-gallon overpack drum, concrete, steel or polyethylene container.

The designation of hazardous waste classification is performed by the waste generator with consultation from the SWO, Environmental Protection Department (EPD), Solid Waste Engineering (SWE), the area RHYTHM® (Remember How You Treat Hazardous Materials) Coordinator, and the Industrial Hygiene Coordinator.

The waste generators of mixed and radioactive waste fill out an internal record, typically a TRU Waste Package Data Form, prior to transporting the waste to the TRU Pads Facility. Information on hazards associated with waste handling, packaging, labeling, and physical and chemical data for the waste is identified on this record.

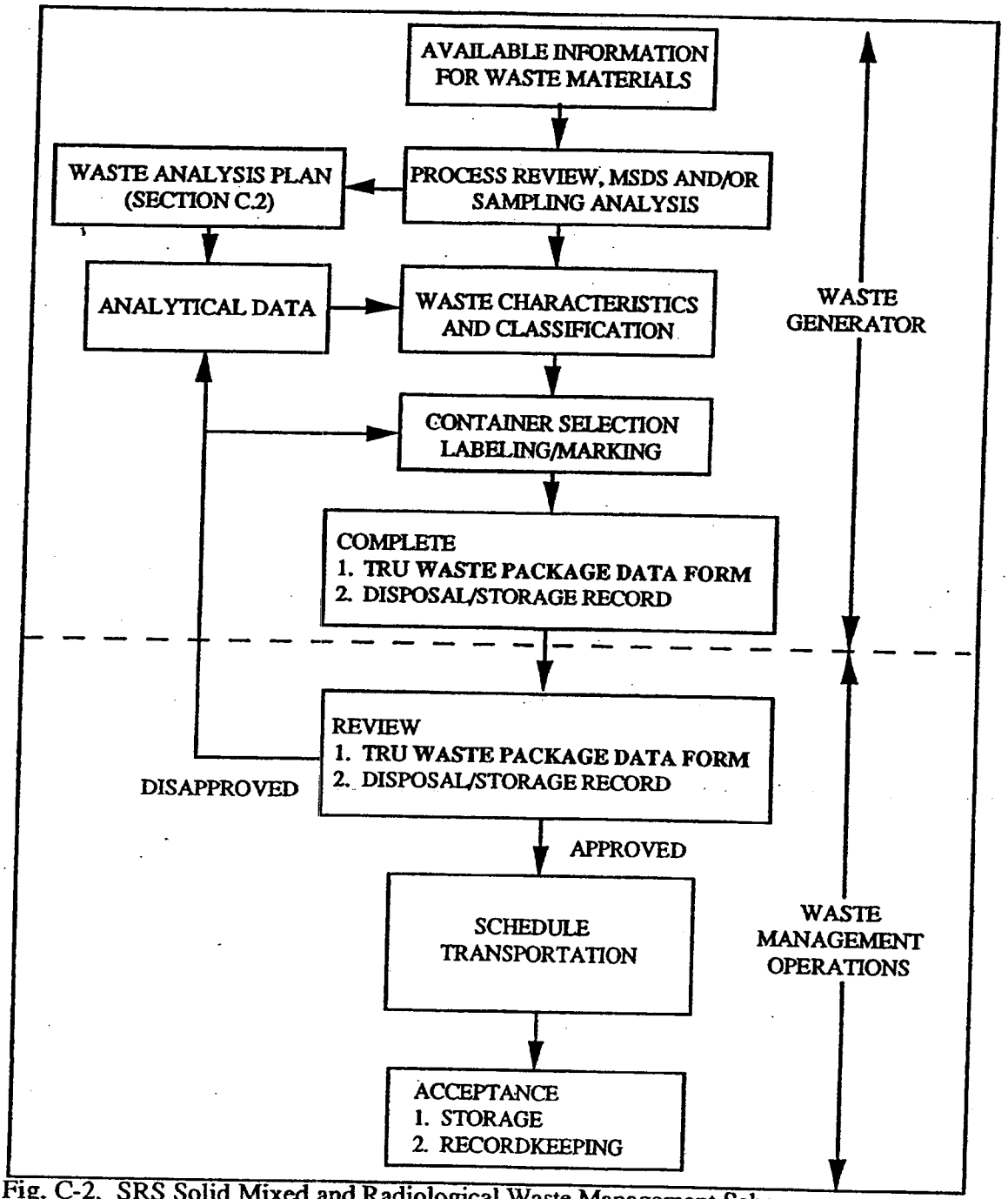


Fig. C-2. SRS Solid Mixed and Radiological Waste Management Scheme

Each waste generator is required to ensure that the following requirements and guidelines have been met prior to the shipment of any waste to SWO for storage.

1. A description of how the waste was produced and how it is packaged must be prepared. A typical Radioactive Solid Waste SWDF Record and TRU Waste Package Data Form must be completed and, if required, a Nuclear Safety and Heat Load Limit Container Record. A typical Radioactive Solid Waste SWDF Record and TRU Waste Package Data Form are shown in Appendix 4. The information necessary to complete these forms may be based on process or on data knowledge.

2. The container is compatible with the waste material and new, Department of Transportation (DOT) or SRS approved containers are used. Typically, DOT 17-C drums can be used for most solid wastes. DOT identification for 17-C and 17-E drums is stamped on the bottom head of each drum. Use of containers other than new, DOT or SRS approved containers must be approved by SWO.

3. All wastes will have their corrosive, ignitable or reactive characteristic removed before packaging. No free liquids will be permitted in a storage container. The Health Protection Department (HP), Industrial Hygiene Coordinator and facility RHYTHM Coordinator will provide technical assistance to the generators to ensure that these requirements are met.

4. The waste container is labeled to identify the source of the waste, accumulation start date (for waste entering the TRU Pads Facility and the ETWAF/WCF from or passing through staging areas) or the date the container is filled (for waste entering the TRU Pads Facility and the ETWAF/WCF from a satellite area), waste category (e.g. toxic, or classified by administrative decision waste codes), and contents.

In addition, the container will have a label with the following phrases (when applicable):

- "HAZARDOUS WASTE - State and Federal Laws Prohibit Improper Storage or Disposal. If found, contact nearest police or public safety authority or the S.C. Department of Health and Environmental Control." (as of October 1, 1993).
- "Radioactive"

5. Determine which wastes are typically contaminated with plutonium and require drum pressure relief devices. The pressure relief devices and methods must be approved by SWO and SWE to ensure safety and compliance with the South Carolina Department of Health and Environmental Control (SCDHEC) regulations.

SWO shall review the Radioactive Solid Waste SWDF Record, TRU Waste Package Data Form, and/or other required documentation to determine if the information provided is adequate. If SWO determines that all required documentation is complete and that the waste is acceptable for storage at the TRU Pads Facility and as necessary the ETWAF/WCF for analysis, transportation of the waste to the TRU Pads Facility or ETWAF/WCF will be scheduled. SWO shall decide the storage location of the waste and shall maintain the records associated with the TRU Pads Facility and the ETWAF/WCF.

In 1990 and 1991 the TRU Pads Facility received a number of nonroutine solid TRU and TRU mixed waste shipments from onsite generators. These shipments of waste were characterized by the generators based on process knowledge and limited sampling. Some of the waste is in specially designed containers because of radiological and operational safety concerns.

The storage capacity of the TRU Pads Facility was expanded on April 16, 1990 pursuant to RCRA Interim Status R.61-79.270.72(b) with addition of four pads (14 through 17). Pads 18 and

19 were added in 1996 to allow for additional storage space without additional interim status capacity. These pads meet all RCRA Part B permit requirements for the storage of solid TRU and low-level mixed waste. The pads store only 55-gallon drums of waste that are less than 0.5 Ci/drum alpha activity. The pads are also covered with an enclosure to protect the 55-gallon containers from weathering. The drums are palletized and banded in groups of four drums.

In March 1991, the Environmental Protection Agency (EPA)-Region IV and DOE-Savannah River Operations Office prepared a Land Disposal Restrictions (LDR) Federal Facility Compliance Agreement (FFCA) to address the SRS's generation of LDR waste. Specifically, the agreement excludes LDR mixed waste containers located on all TRU pads from certain container management regulations contained in SCHWMR R.61-79.264, Subpart I, Use and Management of Containers. The FFCA stipulates that containers are to be stored on sloped pads with collection sumps to collect rainwater runoff. The sumps also serve as detection devices. The FFCA also states that at TRU Pads 6-13 the containers may be stacked up to two containers high, in rows with no aisle spacing. SCDHEC also granted SRS a variance from the aisle spacing requirement in a letter dated October 18, 1988, which can be found in Appendix 1. The FFCA also requires sampling for radiological contamination of sump liquids prior to disposal, inspection of the exterior of all TRU pads (pursuant to the SCDHEC aisle spacing variance), and labeling the accessible containers stored on the all TRU pads.

Hazardous Characteristics

Process knowledge and radiological assays are used to characterize the waste as either TRU or low-level. The TRU and low-level waste generated before May 1, 1987 are hazardous for the entire list of hazardous wastes by generator, solvent rags (F001, F002, F003 and F005) and waste in nonvented (pre 1986) 55-gallon drums considered potentially hazardous by the characteristic of reactivity (D003) for hydrogen gas. The TRU and low-level waste generated after January 25, 1990 are hazardous for selected generator wastes and solvents (F001, F002, F003 and F005). Lastly, the TRU and low-level waste generated after January 25, 1990 may be hazardous by RCRA characteristics according to the generator characterization (process knowledge). In all cases, if the TRU or low-level waste is considered hazardous, it would be hazardous by one or all of the following characteristics: toxicity, acute hazardous, or toxic waste. All ignitable, corrosive and reactive characteristics have been eliminated by absorption and neutralization.

The routine and nonroutine TRU and low-level mixed waste hazardous constituents by generator are listed for materials stored at the TRU Facility and the ETWAF/WCF are presented in Tables C-4, and C-5, Table C-6 lists the nonroutine onsite and offsite TRU waste by generator. Table C-7 lists the hazardous constituents of mixed wastes, without free liquids or ignitable, corrosive, or reactive characteristics, that can be accepted by the TRU Pads Facility and the ETWAF/WCF by EPA Hazardous Waste Number.

The Waste Analysis Plan and procedures have been developed to satisfy the South Carolina Hazardous Waste Management Regulations (SCHWMR) R.61-79.264. All waste generated by the SRS is excluded from certain container management regulations based on the LDR FFCA between the DOE-SR and U.S. EPA signed in March 1991.

Basis for Hazard Designation

The basis for hazard designation for each generator is summarized in Table C-8. The designation of wastes as TRU or low-level wastes is based on the alpha radioactivity of the waste, rather than the hazardous waste content. The alpha radioactivity must be greater than 10 nanocuries/gram (nCi/g) of plutonium-239

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
221-FB	Paper, wipes, plastic sheets, plastic bags, plastic bottles, plastic hoses, plastic and lead-lined gloves, lead shielding, small tools, metal pipes, valves, instruments, lexan shielding panels, metal hardware, SYGEF pipe and valves, ceramic crucibles, cation resin, Filterite filters, HEPA filters, neutralized/absorbed sludge, Kynar frits, AEC filters, freon, hydraulic oil and mercury thermometers.	Acetone	F003/U002
		Barium	D005
		Benzene	D018/F005/U019
		Cadmium	D006
		Calcium Metal	D001/D003
		Carbon Tetrachloride	D019/F001/U211
		Chloroform	D022/U044
		Chromium	D007
		1,1-Dichloroethylene	D029/U078
		1,2-Dichloroethylene	U079
		1,4-Dioxane	U108
		Hydrazine	D003/U133
		Hydrofluoric Acid	U134
		Hydrogen	D003
		Lead	D008
		Mercury	D009/U151
		Silver	D011
		1,1,2,2, - Tetra-chloroethane	U209
		Tetrachloroethylene	D039/F001/F002/U210
		1,1,1 - Trichloroethane	F001/F002/U226
		Trichloroethylene	D040/F001/F002/U228
		Vinyl Chloride	D043/U043
		Xylene	F003/U239

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
221-HB	Paper, plastic and lead-lined gloves, wipes, cloth, rags, plastic film sheeting, bottles, labware, sponges, glassware, small tools, metal hardware, crucibles, piping, tubing and fittings, instruments, freon residues, filters, hydraulic oil, and resins converted to stable sulfate form.	Acetone	F003/U002
		Cadmium	D006
		Carbon Tetrachloride	D019/F001/U211
		Chloroform	D022/U044
		Chromium	D007
		1,1-Dichloroethylene	D029/U078
		1,2-Dichloroethylene	U079
		1,4-Dioxane	U108
		Hydrofluoric Acid	U134
		Hydrogen	D003
		Lead	D008
		Magnesium	D001/D003
		Methanol	F003/U154
		Phosphorus	D001
		Sodium	D001/D003
		1,1,2,2 - Tetrachloroethane	U209
		Tetrachloroethylene	D039/F001/F002/U210
		1,1,1 - Trichloroethane	F001/F002/U226
		Trichloroethylene	D040/F001/F002/U228
		Vinyl Chloride	D043/U043

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
772-F Laboratory	Plastic and lead-lined gloves, lead shielding, empty standard containers (beryllium, cadmium, and chromium), plastic vials and containers, glass vials and beakers, paper, wipes, stainless steel alpha plates, mercury vapor lights, filters, and neutralized and absorbed sludges.	Acetic Acid	P058/U112
		Acetone	F003/U002
		Acetophenone	U004
		Aniline	U012
		Arsenic Acid	D004/P010
		Arsenic Pentoxide	D004/P011
		Arsenic Trioxide	D004/P012
		Barium	D005
		Beryllium Dust	P015
		1-Butanol	F003/U031
		Cadmium Nitrate	D006
		Calcium Chromate	D003/U032
		Calcium Metal	D001/D003
		Carbon Tetrachloride	D019/F001/U211
		Chlorobenzene	D021/U037
		Chloroform	D022/U044
		Chromium Nitrate	D007
		Cresols	D026/F004/U052
		Cyclohexane	U056
		Cyclohexanone	U057
		o-Dichlorobenzene	U070
		m-Dichlorobenzene	U071
		p-Dichlorobenzene	D027/U072
		Dichlorodifluoro-methane	U075
		1,2-Dichloroethane	D028/U077
		1,1-Dichloroethylene	U080
		1,2-Dichloroethylene	D029/U078
		Dichloromethane	U079
		2,4-Dinitrophenol	P048
		2,4-Dinitrotoluene	U105
		1,4-Dioxane	U108
		Ethane, 1,2-dichloro	U077
		Ethane,1,1-oxybis	U117
		Ethyl Acetate	U112
		Formaldehyde	U122
		Formic Acid	U123

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
772-F Laboratory	Plastic and lead-lined gloves, lead shielding, empty standard containers (beryllium, cadmium, and chromium), plastic vials and containers, glass vials and beakers, paper, wipes, stainless steel alpha plates, mercury vapor lights, filters, and neutralized and absorbed sludges.	Hydrazine	D003/U133
		Hydrofluoric Acid	U134
		Hydrogen	D003
		Lead	D008
		Lead Acetate	D008/U144
		Magnesium	D001/D003
		Mercury	D009/U151
		Methanol	D003/U154
		Methyl Ethyl Ketone	D035/U159
		Methyl Isobutyl Ketone	F003/U161
		Methyl methacrylate	U162
		Naphthalene	U165
		p-Nitrophenol	U170
		Phenol	U188
		Potassium	D001/D003
		Potassium Cyanide	P098
		Potassium Dichromate	D007
		Pyridine	D038/U196
		Selenium Dioxide	D010/U204
		Silver	D011
		Sodium	D001/D003
		Sodium Azide	P105
		Sodium Cyanide	P106
		1,1,2,2-Tetrachloroethane	U209
		Tetrachloroethylene	D039/F001/F002 /U210
		Thallic Oxide	P113
		Toluene	F005/U220
		1,1,1-Trichloroethane	F001/F002/U226
		Trichloroethylene	D040/F001/F002 /U228
		Trichloromonofluoro-methane	U121
		Vanadium Pentoxide	P120
		Vinyl Chloride	D043/U043
		Xylene	F003/U239

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Page 5 of 7

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
235-F	Plastic and lead-lined gloves, plastic vials and containers, plastic film sheeting, paper, wipes, miscellaneous wood, bottles, labware, sponges, failed equipment, small tools and parts, freon, acetone, and ethanol residues, sand filter, leaded glass, lead shielding, mercury vapor lights, HEPA filters, and absorbed contaminated oil.	Acetone	F003/U002
		Aluminum Dust	D001
		Cadmium	D006
		Carbon Tetrachloride	D019/F001/U211
		Chloroform	D022/U044
		Chromium	D007
		1,1-Dichloroethylene	D029/U078
		1,2-Dichloroethylene	U079
		1,4-Dioxane	U108
		Hydrofluoric Acid	U134
		Hydrogen	D003
		Lead	D008
		Mercury	D009/U151
		Silver	D011
		1,1,2,2 - Tetrachloroethane	U209
		Tetrachloroethylene	D039/F001/F002/U210
		1,1,1 - Trichloroethane	F001/F002/U226
		Trichloroethylene	D040/F001/F002/U228
		Vinyl Chloride	D043/U043
		Xylene	F003/U239

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
773-A Laboratory	Sample analysis wastes, solid samples, paper, glass, crucibles, clamps, plastics, polybottles, tools, paper wipes, plastic and lead-lined gloves, lead shielding and containers, chromium/steel plates (alpha radiation containing plates), neutralized and absorbed sludge, resins, and silver catalyst residues.	Acetone	F003/U002
		Acetonitrile	U003
		Aniline	U012
		Arsenic	D004
		Arsenic Acid	D004/P010
		Arsenic Pentoxide	D004/P011
		Arsenic Trioxide	D004/P012
		Benzene	D018/F005/U019
		Beryllium Dust	P015
		Cadmium	D006
		Cadmium Nitrate	D006
		Calcium Chromate	D003/U032
		Carbon Tetrachloride	D019/F001/U211
		Chlorobenzene	D021/U037
		Chloroform	D022/U044
		Chromium	D007
		Chromium Nitrate	D001/D007
		Cresols	D026/U052
		Cyclohexanone	U057
		p-Dichlorobenzene	D027/U072
		Dichlorodifluoro-methane	U075
		1,2-Dichloroethane	D028/U077
		1,1-Dichloroethylene	D029/U078
		1,2-Dichloroethylene	U079
		Dichloromethane	F001/U080
		2,4 - Dinitrophenol	P048
		2,4-Dinitrotoluene	D030/U105
		1,4-Dioxane	U108
		Ethane, 1,2-dichloro	U077
		Ethane,1,1-oxybis	U117
		Formaldehyde	U122
		Formic Acid	U123
		Hydrazine	D003/U133
		Hydrofluoric Acid	U134
		Hydrogen	D003
		Lead	D008

Table C-4. List of Routine SRS TRU Mixed Wastes Generated by Building

Building	TRU Mixed Wastes	Hazardous Constituents	EPA ID No.
773-A Labboratory	Sample analysis wastes, solid samples, paper, glass, crucibles, clamps, plastics, polybottles, tools, paper wipes, plastic and lead-lined gloves, lead shielding and containers, chromium/steel plates (alpha radiation containing plates), neutralized and absorbed sludge, resins, and silver catalyst residues.	Mercuric Nitrate	D009
		Mercury	D009/U151
		Methanol	F003/U154
		Methyl methacrylate	U162
		Naphthalene	U165
		p-Nitrophenol	U170
		Phenol	U188
		Silver	D011
		Sodium Azide	P105
		Sodium Cyanide	P106
		1 , 1 , 2 , 2 - Tetrachloroethane	U209
		Tetrachloroethylene	D039/F001/F002/ U210
		Tetrahydrofuran	U213
		Toluene	F005/U220
		1 , 1 , 1 - Trichloroethane	F001/F002/U226
		Trichloroethylene	D040/F001/F002/ U228
		Trichloromonofluoro-methane	U121
		Vinyl Chloride	D043/U043
		Xylene	F003/U239

Table C-5. List of Nonroutine SRS Mixed Wastes by Generator

Generator	Mixed Wastes	Hazardous Constituents	EPA ID No.
776-A	Old glovebox line from SRTC. Three steel boxes	Lead Solvents	D008 F001-F005
Various SRS Generators	Low-level solid waste diverted from trench burial because of solvent rag settlement agreement. 400 B-25 boxes	Solvents	F001-F005
241-H	Lead aprons, shielding, bricks, from tank farm construction projects. 39 B-25 boxes	Lead	D008
247-F	Uranium 235 material with chromium contamination. 98 B-25 boxes and 121 drums	Chromium	D007
221-H	Spent silver coated beryl saddles. Two special cask	Silver	D011
235-F	Sludge and job control waste generated from work on the condensate tank. 17 drums	Arsenic Chromium Lead Mercury Selenium Silver	D004 D007 D008 D009 D010 D011
105-P	Cadmium electroplated HEPA filter housings and HEPA filters from filter compartments. One special container	Cadmium	D006
643-E	Investigation derived waste from operations on the TRU Pads. Four B-25 boxes	Solvents	F001-F005

Table C-6. List of Nonroutine TRU Waste and Offsite TRU Wastes By Generator

Generator	Waste	Hazardous Constituents	EPA ID No.
SRS Reactors [a]	Cadmium control and safety rods from SRS Reactor Areas. Macroencapsulated according to LDR treatment standards for cadmium.	Nonhazardous	Not Applicable
AGNS	Allied-General Nuclear Service (AGNS). Job control waste containing Kem-wipes, glass, polyethylene equipment and solidified aqueous liquid contaminated with transuranic isotopes.	Nonhazardous	Not Applicable
NIST	National Institute of Standards and Technology (NIST). Small pellet core fuel rods and disks, and Pu and U solidified in one liter polybottles and metal cans.	Nonhazardous	Not Applicable
KAPL	Knolls Atomic Power Laboratory (KAPL). Job control waste including polyethylene, polyvinylchloride, cotton, rubber, stainless steel metal, paper, glass, cork, wood, Speedri, Bakelite, and acid neutralizer mix.	Nonhazardous	Not Applicable
DOD	Department of Defense (DOD). Small quantity of radioactive sources	Nonhazardous	Not Applicable

NOTE: a Expected acceptance date of Reactors' waste is FY 1995.

Table C-7. Listed and Characteristic Mixed Wastes Accepted on the TRU Pads Facility and Waste Certification Facility

EPA ID No.	Hazard Class	Chemical
D003	Reactive	Hydrogen (a radiologic decomposition byproduct in nonvented drums pre 1986)
D004	Toxic	Arsenic
D005	Toxic	Barium
D006	Toxic	Cadmium
D007	Toxic	Chromium
D008	Toxic	Lead
D009	Toxic	Mercury
D010	Toxic	Selenium
D011	Toxic	Silver
D018	Toxic	Benzene
D019	Toxic	Carbon tetrachloride
D021	Toxic	Chlorobenzene
D022	Toxic	Chloroform
D026	Toxic	Cresol
D027	Toxic	1,4-Dichlorobenzene
D028	Toxic	1,2-Dichloroethane
D029	Toxic	1,1-Dichloroethylene
D030	Toxic	2,4-Dinitrotoluene
D035	Toxic	Methyl ethyl ketone
D038	Toxic	Pyridine
D039	Toxic	Tetrachloroethylene
D040	Toxic	Trichloroethylene
D043	Toxic	Vinyl chloride
F001	Toxic	Certain spent halogenated solvents from degreasing operations
F002	Toxic	Certain spent halogenated solvents
F003	Ignitable	Certain spent nonhalogenated solvents (nontoxic)
F005	Toxic	Certain spent nonhalogenated solvents
P010	Acute Toxic	Arsenic Acid
P011	Acute Toxic	Arsenic pentoxide
P012	Acute Toxic	Arsenic trioxide
P015	Acute Toxic	Beryllium dust
P048	Acute Toxic	2,4-Dinitrophenol
P058	Acute Toxic	Acetic Acid
P098	Acute Toxic	Potassium Cyanide
P105	Acute Toxic	Sodium Azide
P106	Acute Toxic	Sodium Cyanide
P113	Acute Toxic	Thallic oxide
P120	Acute Toxic	Vanadium (V) oxide

Table C-7. Listed and Characteristic Mixed Wastes Accepted on the TRU Pads Facility and Waste Certification Facility

EPA ID No.	Hazard Class	Chemical
U002	Toxic	Acetone
U003	Toxic	Acetonitrile
U004	Toxic	Acetophenone
U012	Toxic	Aniline
U019	Toxic	Benzene
U032	Toxic	Calcium Chromate
U037	Toxic	Chlorobenzene
U043	Toxic	Vinyl Chloride
U044	Toxic	Chloroform
U052	Toxic	Cresols
U070	Toxic	o-Dichlorobenzene
U071	Toxic	m-Dichlorobenzene
U072	Toxic	p-Dichlorobenzene
U075	Toxic	Dichlorodifluoromethane
U077	Toxic	1,2-Dichloroethane
U078	Toxic	1,1-Dichloroethylene
U079	Toxic	1,2-Dichloroethylene
U080	Toxic	Dichloromethane
U105	Toxic	2,4-Dinitrotoluene
U108	Toxic	1,4-Dioxane
U117	Toxic	Ethane, 1,1-oxybis-
U121	Toxic	Trichloromonofluoromethane
U122	Toxic	Formaldehyde
U123	Toxic	Formic Acid
U133	Toxic	Hydrazine
U134	Toxic	Hydrofluoric acid
U144	Toxic	Lead acetate
U151	Toxic	Mercury
U159	Toxic	Methyl ethyl ketone
U161	Toxic	Methyl isobutyl ketone
U162	Toxic	Methyl methacrylate
U165	Toxic	Naphthalene
U170	Toxic	p-Nitrophenol
U188	Toxic	Phenol
U196	Toxic	Pyridine
U204	Toxic	Selenium Dioxide
U209	Toxic	1,1,2,2-Tetrachloroethane
U210	Toxic	Tetrachloroethylene

Table C-7. Listed and Characteristic Mixed Wastes Accepted on the TRU Pads Facility and Waste Certification Facility
Page 3 of 3

EPA ID No.	Hazard Class	Chemical
U211	Toxic	Carbon tetrachloride
U220	Toxic	Toluene
U226	Toxic	1,1,1-Trichloroethane
U228	Toxic	Trichloroethylene
U239	Toxic	Xylene

NOTE: The wastes listed in this table may be present in mixed wastes currently stored at the TRU Pads Facility. Future laboratory bench scale experiments and analytical procedures may require the use of additional reagents. These future waste constituents will be present only as surficial contamination of rags and other solid waste materials, and will have their corrosive, ignitable, or reactive characteristic removed before packaging; additionally, no free liquids will be permitted in a storage container. The following listed wastes are potential future TRU mixed waste co-contaminants which will meet the above stated requirements prior to packaging:

Toxic materials exceeding the regulatory limit per R.61-79.261.24:

D012-D017, D020, D023-D025, D031-D034, D036, D037, D041-D042.

Acute hazardous wastes per R.61-79.261.33(e):

P001-P009, P013, P014, P016-P047, P049-P057, P059-P097, P099-P104, P106-P112, P114-P119, P121, P122.

Toxic hazardous wastes per R.61-79.261.33(f):

U001, U005-U011, U013-U018, U020-U030, U033-U036, U038-U042, U045-U051, U053-U055, U058-U069, U073, U074, U076, U081-U104, U106, U107, U109-U111, U113-U116, U118-U120, U124-U132, U135-U143, U145-U150, U152, U153, U155-U158, U160, U163, U164, U166-U169, U171-U187, U189-U195, U197-U203, U205-U208, U212, U214-U219, U221-U225, U227, U229-U238, U240-U248, U328, U353, U359.

Table C-8. Waste, Associated Hazards, Basis for Hazard Designation, and Rationale

Waste	Hazard [a]	Basis for Hazard Designation	Rationale
Onsite Generated Solid TRU Waste (Pre-1987)	Reactive, H (D003) [b]	Lower Explosive Limt (LEL)	Concentrations of hydrogen in unvented drums (pre-1986) could be in excess of LEL (> 4% by volume) meeting the reactive characteristic requirements per R. 61-79.261.23 (a) 7.
	Toxic, Solvents (F001-F003 & F005) [c]	Toxicity Characteristic	The quantity of solvents are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals	Toxicity Characteristic	The quantity of metals are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Acute Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.

Table C-8. Waste, Associated Hazards, Basis for Hazard Designation, and Rationale

Waste	Hazard [a]	Basis for Hazard Designation	Rationale
Onsite Generated Solid TRU Waste (1987-1990)	Toxic, Solvents (F001-F003 & F005) [c]	Toxicity Characteristic	The quantity of solvents are greater than the maximum regulatory limit per R.61-79.261.24
	Toxic, Metals	Toxicity Characteristic	The quantity of metals are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Acute Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.

Table C-8. Waste, Associated Hazards, Basis for Hazard Designation, and Rationale

Waste	Hazard [a]	Basis for Hazard Designation	Rationale
Onsite Generated Solid TRU Waste (Post 1990)	Toxic, Metals	Toxicity Characteristic	The quantity of metals are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals	Acute Toxic Waste	The quantity of metals are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Acute Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.
	Toxic, Metals, Solvents, Acids, Bases, Alkalis	Toxic Waste	The quantity of metals, solvents, acids, bases, alkalis are greater than the maximum regulatory limit per R.61-79.261.24.
Onsite Generated Solid Low-level Waste	Toxic, Solvents (F001-F003 & F005) [c]	Toxicity Characteristic	The quantity of solvents are greater than the maximum regulatory limit per R.61-79.261.24

NOTES: a Specific EPA ID numbers for hazardous constituents are listed in Table C-7.
b All of these containers are stored inside concrete culverts for safety.
c Surfical contamination of halogenated and non-halogenated solvents on rags and other solid waste materials (not ignitable).

(Pu^{239}) equivalency per container to be considered TRU waste. It is anticipated that when the E-Area Low-level Vault comes online, the alpha radioactivity value for TRU waste will change to $\geq$ 100 nCi/g. Some containers on the TRU pads may not contain hazardous waste, but SRS handles all the containers received prior to January 25, 1990, in accordance with the hazardous waste regulations due to the difficulty and the safety consideration of separating the hazardous and nonhazardous containers (i.e., solvent rag containers).

Laboratory Report on Analysis Results

There is limited analytical data associated with the TRU waste containers from the P Reactor which contain HEPA filters from 105-P and the 235-F Condensate Tank investigation derived waste. All other generators have used process knowledge to characterize their TRU and low-level mixed waste and radioactive waste.

Existing Published or Documented Data

Existing published or documented data on mixed waste from a similar process is not necessary since the TRU Pads Facility and ETWAF/WCF are not new facilities.

C.1.1 CONTAINERS

[REF: R.61-79.270.15(b)(1) and (d); 264.172; 264.177 – comment after (b)]

C.1.1.1 Compatibility of Waste Containers

Radioactive and mixed wastes stored at the TRU Pads Facility are packaged at the site of generation. Physical and chemical data are obtained from documentation provided by the generator such as the TRU Waste Package Data Form. This information, along with the generator's experience in handling like or similar types of wastes, provides a basis for selecting a container that is compatible with the waste.

Typically, radioactive and mixed wastes managed at the TRU Pads Facility will be stored in DOT-approved drums or SRS-approved containers. As necessary the ETWAF/WCF will only store waste drums. Other containers may be used only if approved by SWO prior to shipping to the TRU Pads Facility for storage. The area RHYTHM® Coordinator may also be consulted to provide technical assistance for selecting DOT-approved containers. RHYTHM® coordinators are specially trained in handling and packaging of hazardous materials.

Waste streams which require alternate methods of storage are those that contain $\geq$ 0.5 curies/container of TRU radionuclides. The selection of containers for these waste streams shall be based on SRS experience with the management of these wastes.

Either process knowledge or physical and chemical analyses will be used to characterize each new waste stream before it may be accepted for storage at the TRU Pads Facility. Incompatible wastes will not be placed in the containers.

C.1.1.2 Containers of Waste Without Secondary Containment

The wastes stored at the TRU Pads Facility and the ETWAF/WCF do not contain free liquids and/or F020, F021, F022, F023, F026 and F027 wastes. The generators are responsible for removing all liquids by normal means; however, due to process and container management constraints, the SRS generators can not entirely eliminate liquids in some of their wastes. As a result SWO requires SRS generators to limit the amount of liquid to less than 16 ounces and

absorption of the free liquid. SRS feels that the SRS generators' method of management to minimize liquid in waste drums stored on the TRU pads or at the ETWAF/WCF is equivalent to the paint filter test for the following:

1) SRS generating personnel minimize the amount of liquid placed in waste drums.
2) The small quantity of liquid waste is properly contained by absorption for long term storage on the TRU Pads.

In accordance with the SCHWMR R.61-79.270.15(b)(1), only waste which does not contain free liquids will be stored at the TRU Pads Facility. The SWO shall review the TRU Waste Package Data form to verify that the waste contains no free liquids before the waste is transported to the TRU Pads Facility.

C.1.1.3 Other Information Required for Safe Operation.

Radioactive contamination (e.g., plutonium) of wastes (greater than 10 nCi/g) presents hazards beyond the usual concerns of chemical toxicity, including the following:

Criticality - The quantities of fissile material are strictly controlled when cuts are packaged into storage containers.

Radiation - The radiation, although reduced by the special containerization, is emitted in the TRU Pad area and requires the minimization of human presence in the area.

Heat Buildup - In addition, the decay of radioactive isotopes, especially plutonium-238 (Pu^{238}), generates heat, and the amount of Pu^{238} waste placed into a container must be limited in accordance with the heat dissipation characteristics of that container and the flammability of other wastes in the container. The amount of Pu^{238} allowed to be placed in a container was established assuming that the drum would be placed in a concrete container (sometimes referred to as a "hat" or "culvert"). The Pu^{238} loading limits for the containers holding anion exchange resins are set to prevent temperatures above 190°F in the container. For wastes other than these resins, the maximum temperature is 265°F, and the amount of Pu^{238} per container is limited to prevent heat build-up above this temperature. Appendix 6 provides further discussion of this consideration of heat generation in TRU Pads wastes in the publications entitled, "Nuclear Safety and Heat Load Limits for Above-Grade Storage of Solid Transuranium Wastes", [Clontz, B.G., 1978, Savannah River Plant (SEP-WM 180.5)] and "Radiogenic Gas Accumulation in TRU Waste Storage Drums", [Ryan, J.P., 1982, Savannah River Laboratory (DP-1604)].

Gas Buildup- The radiolysis of nonradioactive organic wastes causes decomposition of the absorbing materials with the concomitant production of gas. As explained more thoroughly in the above-referenced document regarding radiogenic gas accumulation and the draft document, "A Computer Model of Gas Generation and Transport Within TRU Waste Drums", (Smith, F.G., Draft DP-1754) in Appendix 6, the radiolysis of organic materials (i.e., the cloth, plastic, resins, oil) in a closed container generally produces hydrogen, carbon dioxide, carbon monoxide, and light hydrocarbon gases. In the process, oxygen is consumed. The experiments described in the above-referenced documents were conducted by the Savannah River Technology Center (SRTC) (formerly Savannah River Laboratory) and other DOE facilities regarding the gas generation in drums of wastes containing alpha-emitting radioactive isotopes. The experiments indicate that the maximum pressure build-up in a drum would be less than 10 pounds per square inch gage (psig) even at the highest radioactivity per TRU Pad drum. This is due to leakage of the gases through the seal at a rate of at least 1 cc/min at 10 psig. Therefore, gas pressure should not affect the drum integrity considering the usual maximum radioactivity per drum and normal drum

sealing practices. Nevertheless, in 1986 SRS began using drums with a pressure relief device to vent any gas buildup. The pressure relief would not release any hazardous waste due to the internal packaging of any liquids and the prohibition on containerized gases.

Hydrogen - One of the gases generated by the radiolysis as described above is hydrogen. The presence of hydrogen in concentrations above 4 mole percent is considered flammable. This concentration can be generated in TRU waste drums containing greater than 0.5 Ci of alpha-emitting radioactivity. However, only a limited number (less than 1 percent) of the containers without vents stored at the TRU Pads Facility have greater than 0.5 Ci of alpha activity and may contain flammable gas mixtures which could burn explosively. All of the drums at the TRU Pads Facility having greater than 0.5 Ci of alpha activity are placed in the concrete containers which reduces the possibility of a release of wastes in the event of an explosion of the flammable mixture. Additionally, explosion tests have been performed on the concrete containers to assure structural integrity were it possible for a drum to explode. Details of these tests are provided in Appendix 6.

C.1.2 TANKS

[REF: R.61-79.264.191(a)]

The TRU Pads Facility or the ETWAF/WCF do not have tank systems; therefore, this section does not apply.

C.1.3 WASTE PILES

[REF: R.61-79.264.250(c)(1) and (c)(4)]

The TRU Pads Facility or the ETWAF/WCF do not have waste piles; therefore, this section does not apply.

C.1.4 INCINERATORS

[REF: R.61-79.270.62(b)(2)(i)]

The TRU Pads Facility or the ETWAF/WCF do not have incinerators; therefore, this section does not apply.

C.1.5 LANDFILLS

[REF: R.61-79.264.314]

The TRU Pads Facility or the ETWAF/WCF are not landfills; therefore, this section does not apply.

C.1.6 LAND TREATMENT

[REF: R.61-79.264.272(a)]

The TRU Pads Facility or the ETWAF/WCF do not use land treatment; therefore, this section does not apply.

C.2 Waste Analysis Plan

[REF: R.61-79.270.14(b)(3); 264.13(b) and (c); 268.7]

C.2.1 PARAMETERS AND RATIONALE

[REF: R.61-79.264.13(b)(1)]

The Waste Analysis Plan was developed in accordance with SCHWMR R.61-79.264.13 and is an integral part of the SRS 1992 Resource Conservation and Recovery Act (RCRA) Part B Permit Application. A copy of this plan will be available at Building 724-7E at all times.

The purpose of the Waste Analysis Plan is to establish a uniform and consistent procedure for identifying and characterizing mixed and radioactive wastes generated at SRS. This plan is structured towards waste characterization for hazardous waste determination, for treatment standard applicability determination, and for safe handling, transport, and onsite storage. Additional information on stored wastes may be necessary to develop design parameters for future treatment and disposal methods.

There are several steps to be followed by waste generators to determine if a waste material is nonhazardous, hazardous, or contains hazardous constituents requiring regulatory control under SCHWMR. The steps to be followed by the waste generators are:

1. Review all available information on the raw materials used and on actual or similar process(es) generating the waste material against SCDHEC regulations for listed and characteristic waste (SCHWMR R.61-79.261).

2. Characterize the waste using analytical data, process knowledge, or a combination of analytical data and process knowledge. If analytical data or a combination of analytical data and process knowledge are used to characterize the waste, a representative sample of the waste will be obtained (Section C.2.3). The sample will be analyzed for specific physical and chemical parameters (Section C.2.2) to determine if the waste exhibits hazardous characteristics or if the waste contains constituents that make the waste a listed hazardous waste. The parameters of the waste that are to be analyzed may be based on process knowledge, an MSDS for the waste, or other information regarding the waste.

3. Review the analytical results and/or other information (MSDS, etc.) to select a container that is compatible with the waste (Section C.1.1), and to package and label the container in accordance with SCDHEC and DOT regulations. For mixed waste, a TRU Waste Package Data Form must be completed by the generator for documentation. For mixed low-level radioactive waste, a Radioactive Solid Waste SWDF Record must be completed by the generator prior to the waste being accepted for storage. A typical TRU Waste Package Data Form and Radioactive Solid Waste SWDF Record are provided in Appendix 4.

4. Gather additional data or information as necessary to determine proper treatment and disposal methods. Refer to Section C.3.1 for details on the waste characteristics requirements for land disposal restrictions (LDR) Waste.

5. Submit the TRU Waste Package Data Form, Radioactive Solid Waste SWDF Record, and/or any other required documentation to SWO for approval. After SWO has reviewed and approved the required documentation discussed above, the waste may be scheduled for transportation to the TRU Pads Facility or as necessary the ETWAF/WCF.

The test methods, sampling methods, and frequency of analysis to carry out the objectives of the Waste Analysis Plan are described in the following sections.

C.2.2 TEST METHODS

[REF: R.61-79.264.13(b)(2)]

The majority of the wastes placed on TRU Pads 6-19 temporarily or stored at the ETWAF/WCF will not be sampled and analyzed due to personnel radiation exposure concerns. Process knowledge will be used to characterize these wastes. If analytical data are used to characterize a waste, a representative sample of the waste will be obtained following the procedures outlined in Section C.2.3. The sample will be analyzed by a qualified laboratory. The analytical procedures specified in the U.S. Environmental Protection Agency (EPA) Manual SW-846, "Test Methods for Evaluating Solid Wastes," or equivalent methods, will be followed. Test method 1311 in SW-846 will be used to analyze for the mobility of organic and inorganic analytes present in waste. Typical physical and chemical parameters and corresponding tests methods are listed in Table C-9.

C.2.3 SAMPLING METHODS

[REF: R.61-79.264.13(b)(3)]

Sampling techniques are selected so as to provide a representative sample of the waste material to be analyzed. The techniques vary with the physical form and consistency of the waste (Table C-10). The waste generators shall follow the specific guidelines for sample collection listed below:

1. A representative sample shall be taken that exhibits the average properties of the entire waste stream. If the generator has more than one container that contains the particular waste being analyzed, a sample may be taken from each container and bulked into a composite sample. The analyses can then be performed on the bulked composite sample.

2. Samples shall not be mixed from different types of waste streams. Additionally, different types of waste or similar wastes generated from different jobs shall not be bulked into a mixture. The area RHYTHM® Coordinator or SWE shall be available for guidance.

3. A sample from excess chemicals or raw materials may not be required if the material has not been removed from the original container and its major components are listed on the product or vendor's label, MSDS, or equivalent.

Table C-9. Typical Analytical Test Methods that May be Used for SRS Waste Analysis

Parameter	EPA Manual SW-846[a]	EPA Water and Wastes	Standard Methods	ASTM[b]
pH	9041	150.1		
Water				D 1744-64
Flash Point	1010			D 93-80
Acidity		305.1	402	
Specific Gravity			213 E	
Boiling Point				D 86-82
Vapor Pressure				D 2503-82
Total Solids		160.3	209 A	
Total Dissolved Solids		160.1	209 B	
Total Suspended Solids		160.2	209 C	
Heating Value				D 2382-76
Ash				D 482-80
Total Organic Carbon	9060	415.1	505 A	
Halogens, Cl_2				D 808-81
Sulfur	9030		213 A	D 129-64
Viscosity				D 445-82
				D 446-74
				D 2501-82
Alcohols	8010			
Oil and Grease	9070, 9071	413.1	503	
Nitrate/Nitrite (Nitrogen)	9200	353.1	416	
Phosphate (Phosphorus)		365.1-365.4	424 F	
Sulfate/Sulfite	9035, 9036, 9038	375.1-375.4		
		377.1		
Unconfined Compressive Strength Test				C 39-81
				C 684-81
Specific Conductivity	9050			
Paint Filter Liquids Test	9095			
GC Scan	8010			
PCB	8080			
Pesticides				
Chlordane	8080, 8250			
Endrin	8080, 8250			
Heptachlor (and its epoxide)	8080, 825			

Table C-9. Typical Analytical Test Methods that May be Used for SRS Waste Analysis

Parameter	EPA Manual SW-846[a]	EPA Water and Wastes	Standard Methods	ASTM[b]
Lindane	8080, 8250			
Methoxychlor	8080			
Toxaphene	8080, 8250			
Herbicides				
2,4-D	8150			
Silvex (2,4,5-TP)	8150			
Toxic Metals				
As	6010		3030D	
Ba	6010, 7090, 7091		3030D	
Cd	6010		3030D	
Cr (total)	6010		3030D	
Cr (Hexavalent)	7198			
Pb	6010		316A	
Hg	7470, 7471		320A	
Se	6010			
Ag	6010		3030D	
Other Metals				
Al	6010			
Cu	6010, 7210, 7211			
Mn	6010			
Ni	6010			
Sb	6010			
Zn	6010, 7950, 7951			
Fe	6010, 7380, 7381			
Volatile Organics				
Benzene	8020, 8024			
Carbon Tetrachloride	8010, 8240			
Chlorobenzene	8020, 8240			
Chloroform	8010, 8240			
Methyl ethyl ketone	8015, 8240			
Tetrachloroethylene	8010, 8240			

Table C-9. Typical Analytical Test Methods that May be Used for SRS Waste Analysis

Parameter	EPA Manual SW-846[a]	EPA Water and Wastes	Standard Methods	ASTM[b]
Trichloroethylene	8010, 8240			
Vinyl chloride	8010, 8240			
1,2-Dichloroethane	8010, 8240			
1,1-Dichloroethylene	8240			
Semivolatile Organics				
o-Cresol	8040, 8250			
m-Cresol	8040, 8250			
p-Cresol	8040, 8250			
Cresol	8040, 8250			
1,4-Dichlorobenzene	8010, 8120, 8250			
2,4-Dinitrotoluene	8090, 8250			
Hexachlorobenzene	8120, 8250			
Hexachlorobutadiene	8120, 8250			
Hexachloroethane	8010, 8240			
Nitrobenzene	8090, 8250			
Pentachlorophenol	8040, 8250			
Pyridine	8090, 8250			
2,4,5-Trichlorophenol	8040, 8250			
2,4,6-Trichlorophenol	8040, 8250			

NOTES: [a] U.S. Environmental Protection Agency, Latest Edition. Test Methods for Evaluating Solid Waste. SW-846, Office of Water and Waste Management, Washington, DC.

[b] ASTM – American Society for Testing and Materials, Latest Edition. Annual book of ASTM Standards, Parts 15, 19, 831, Philadelphia, PA.

Table C-10. Typical Sampling Methods and Equipment

Material	Method	Equipment
Crushed or powdered material	ASTM[a] D346-75	Tubing, trier, auger, scoop, or shovel
Soil or rock-like material	ASTM D420-69	Tubing, trier, auger, scoop, or shovel
Fly ash-like material	ASTM D1452-65	Tubing, trier, auger, scoop, or shovel
Debris	U.S. EPA Region IV[b] SOP&QAM	Wipe, or swab

NOTES: [a] ASTM – American Society for Testing and Materials, 1982. Annual book of ASTM Standards, Parts 15, 19, 831, Philadelphia, PA.
[b] U.S. EPA- U.S. Environmental Protection Agency Region IV Standard Operating Procedures and Quality Assurance Manual, 1991, Atlanta, GA

C.2.4 FREQUENCY OF ANALYSIS

[REF: R.61-79.264.13(b)(4)]

Hazardous waste or waste streams routinely generated at SRS will be characterized by the generators at least annually to ensure that the characterization of the waste is accurate and up-to-date. If a waste stream is initially characterized using analytical data, the waste stream will be re-characterized using analytical data on an annual basis (at a minimum). If a waste stream is initially characterized using a combination of analytical data and process knowledge, the waste stream will be recharacterized using a combination of analytical data and process knowledge on an annual basis (at a minimum). If a waste stream is initially characterized using process knowledge, the waste stream will be recharacterized using process knowledge on an annual basis (at a minimum).

The physical and chemical analysis portion of the waste analysis plan will be invoked when there is a change in the process that could significantly alter the waste characteristics.

C.2.5 ADDITIONAL REQUIREMENTS FOR WASTES GENERATED OFFSITE

[REF: R.61-79.264.13(b)(5) and (c); 264.73(a) and (b)]

Since the TRU Pads Facility and the ETWAF/WCF are onsite facilities and will not accept offsite mixed wastes, the additional analytical requirements for wastes received from an offsite facility do not apply.

C.2.6 ADDITIONAL REQUIREMENTS FOR FACILITIES HANDLING IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

[REF: R.61-79.264.13(b)(6); 264.17]

The generator shall provide SWO with documentation regarding the waste's chemical and physical characteristics (Section C.2.1). The TRU Waste Package Data Form and Radioactive Solid Waste SWDF Record are typical of such documentation. SWO shall review the required documentation before the waste is transported to the TRU Pads Facility. SWO shall determine if the documentation is complete and if the waste is acceptable for storage at the TRU Pads 6-19 (Section C.1).

The TRU waste with greater than 0.5 curie for alpha activity in non-vented 55-gallon drums (pre-1986) has been characterized as reactive based on sampling and analysis. The remaining TRU waste is not ignitable, reactive or incompatible. The nonvented 55-gallon drums are stored in concrete containers designed to withstand the detonation of the capacity of 14 drums.

SWO is responsible for reviewing the documentation provided by the generator concerning the waste's composition and characteristics to identify all ignitable or reactive waste. The Radioactive Solid Waste SWDF Record is typical of such documentation. No ignitable and reactive wastes will be accepted at the TRU Pads Facility and the ETWAF/WCF. The nonvented drums are separated and protected from sources of ignition or reaction, such as open flames, smoking, cutting, welding, etc.

C.3 Additional Waste Analysis Requirements Pertaining to Land Disposal Restrictions (LDR)

[REF: R.61-79.270.14(b)(3); 264.13(a)(1) and (b)(6); 268.7]

C.3.1 WASTE CHARACTERISTICS

[REF: R.61-79.264.13(a)(1); 268.7]

The generator must determine through process knowledge and/or analytical testing if the hazardous waste is restricted from land disposal. A waste is restricted if there is either a regulatory or statutory prohibition on the land disposal of that waste. In general, all waste that was identified or listed before November 8, 1984 is restricted. Wastes identified after November 8, 1984 are not restricted until treatment standards are promulgated. For example, wastes that were newly identified as hazardous due to the application of the Toxicity Characteristic Leaching Procedure (TCLP) (September 1990) are considered newly identified and are not currently restricted pending promulgation of specific treatment standards. The majority of waste received in the TRU Pads Facility and the ETWAF/WCF was identified as hazardous prior to November 8, 1984 and is therefore considered restricted.

The generator will make the determination of whether each waste stream is restricted from land disposal. In certain difficult circumstances, and since the Land Disposal Restrictions (LDR) program is still dynamic, proper completion of the TRU Waste Package Data form, with all applicable waste codes identified as required in SCHWMR R.61-79.268, should allow SWO to assist the generator in making an appropriate determination on whether a particular waste stream is restricted at any given point in time. When the generator determines that a waste is restricted, all supporting data used to make the determination will be retained onsite in the generator's files.

For waste generated onsite and shipped offsite for disposal, the appropriate notification/certification for the waste type (i.e., labpaks or bulk wastes) will be made as required

by SCHWMR R.61-79.268.7(b)(6). For purposes of the LDR recordkeeping requirement, SWO will become the "generator" of the waste that is to be shipped offsite. SWO personnel will verify the restricted/prohibited status of each waste stream prior to shipment since this status is subject to change. The notification/certification records will be completed by SWO staff. Copies of all notices, certification, demonstration, waste analysis data, and other documentation produced for LDR recordkeeping purposes will be retained onsite for at least five years from the date the waste subject to the documentation was last sent offsite for treatment, storage, or disposal. The record retention period will be extended during any unresolved enforcement action or at the request of the EPA Regional Administrator.

C.3.2 ADDITIONAL REQUIREMENTS FOR TREATMENT FACILITIES

[REF: R.61-79.264.13(a)(1); 268.7(b)]

No waste treatment will occur at the TRU Pads Facility or the ETWAF/WCF. The wastes stored at the TRU Pads 6-19 will be treated in the future at an onsite treatment facility only to facilitate storage efficiency and safety, or to prepare the wastes for disposal at the WIPP. The wastes at that time will be packaged and certified in accordance with the WIPP.

As specified in the SCHWMR R.61-79.268.7(b)(6), if the treated waste is to be sent to an offsite facility for treatment, storage, or disposal, then the SWO custodian will complete the notification and certification requirements applicable to generators under the SCHWMR R.61-79.268.

C.3.3 ADDITIONAL REQUIREMENTS FOR DISPOSAL FACILITIES

[REF: R.61-79.264.13(a)(1); 268.7(c)]

The TRU Pads Facility or the ETWAF/WCF are not disposal facilities; therefore, this section does not apply.

C.3.4 ADDITIONAL REQUIREMENTS FOR SURFACE IMPOUNDMENTS EXEMPTED FROM LAND DISPOSAL RESTRICTIONS

[REF: R.61-79.264.13(b)(7); 268.4(a)]

The TRU Pads Facility or the ETWAF/WCF do not use surface impoundments; therefore, this section does not apply.

C.3.5 REQUIREMENTS FOR LAND DISPOSAL FACILITIES WITH AN APPROVED EXEMPTION OR EXTENSION

[REF: R.61-79.270.14(b)(21)]

The TRU Pads Facility and the ETWAF/WCF are not disposal facilities; therefore, this section does not apply.

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: D005A
Waste Stream Number(s): SR-RH-221H.01, SR-RH-221H.02 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ Correspondence ☐ Discrepancy Resolution ☐ Miscellaneous ☐ Internal Procedure or Note ☑ Published Document or Controlled Database ☐ Unpublished Data
Title or Description of Source Document [a] : Characterization of HB-Line Transuranic (TRU) Waste	
Source Document Reference Information (author(s), document and revision number, date, publisher): B.P. Payne, NMS-EHB-990045, Rev. 10, 01/08/2007	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, WS2, WS4	Throughout	Revision to Source Doc. D005: The purpose of this document is to provide a physical, chemical, hazardous and radiological characterization of the TRU Waste generated in HB-Line in accordance with the requirements of WSRC 1S Manual. Wastes within the scope of this plan are contact-handled TRU (CH-TRU) waste and mixed TRU (Mixed TRU) waste. HB-Line consists of five distinct process areas: 1. Scrap Recovery Facility, 2. Neptunium Oxide Facility, 3. Plutonium Oxide Facility, 4. Waste Handling Facility, 5. 3rd and 4th Levels. The processes utilize stainless steel hardware throughout. All piping external to glove boxes is contained within stainless steel jacketing in order to minimize the potential for external leaks. Glove boxes provide confinement and shielding. The glove boxes are exhausted through two stages of HEPA filters. The TRU waste generated from these processes is predominately from the glove boxes. All waste generated in the glove boxes is treated as TRU waste unless proven to be low-level waste. Sweepings from glove boxes are recycled when practical for recovery of radioactive materials. Minor amounts of TRU waste are generated through the performance of the surveillance/maintenance activities and non-routine decontamination efforts.

CCP RECORDS ORIGINAL
DATE REC'D 11-15-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: D005A

Source Document Data Limitations (if any):

1. None.

Acceptable Knowlege Expert:

Sherry Auckland, Date: 11/5/2012

Print **/Sign**

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

D005 A

NMS-EHB-990045, Revision 10
Retention Period: Permanent
Tracking Number: 10710
Disposal Authority: NI-438-98-28.d10.a

CHARACTERIZATION OF HB-LINE TRANSURANIC (TRU)WASTE

January 2007

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RECORDS ADMINISTRATION
R1545985

TABLE OF CONTENTS

1.0 SUMMARY

2.0 INTRODUCTION AND PROCESS DESCRIPTION

3.0 PHYSICAL CHARACTERIZATION
- 3.1 GENERAL
- 3.2 CABINET (GLOVEBOX) WASTE
- 3.3 HUT/ DECONTAMINATION WASTE
- 3.4 HEPA FILTER WASTE
- 3.5 SOURCES & STANDARDS
- 3.6 BERYLLIUM CONTAMINATED WASTE

4.0 CHEMICAL CHARACTERIZATION
- 4.1 GENERAL
- 4.2 PROCESS CHEMICAL
- 4.3 NON-PROCESS CHEMICAL
- 4.4 CHEMICALS IN JOB CONTROL WASTE (JCW)

5.0 RADIONUCLIDE CHARACTERIZATION
- 5.1 WASTE STREAM DISTRIBUTION
  - 5.1.1 Scrap Recovery Facility (Phase I)
  - 5.1.2 Neptunium Oxide Facility (Phase II)
  - 5.1.3 Plutonium Oxide Facility (Phase III)
  - 5.1.4 Waste Handling Facility
  - 5.1.5 3rd and 4th Levels
- 5.2 WASTE PACKAGE QUANTIFICATION
  - 5.2.1 Radionuclide Assay System-Photon (RAS-P)
  - 5.2.2 Portable Pulse Height Analyzer (PHA)
  - 5.2.3 WITS 29-90 Preparation
- 5.3 WASTE STREAM VALIDATION

6.0 REFERENCES

7.0 ATTACHMENTS

1. SUMMARY

The purpose of this document is to provide a physical, chemical, hazardous and radiological characterization of the Transuranic (TRU) Waste generated in HB-Line in accordance with the requirements of WSRC 1S Manual (Reference 1). Wastes within the scope of this plan are contact-handled TRU (CH-TRU) waste and mixed TRU (Mixed TRU) waste. CH-TRU is waste contaminated with alpha-emitting transuranic radionuclides (atomic number > 92) with all of the following properties: 1) half-lives greater than 20 years 2) concentrations greater than 100 nCi/g in the waste matrix (without regard to source or form), and 3) an external dose rate at contact that does not exceed 200 mrem per hour. Mixed TRU is waste that has a mixture of both hazardous and radioactive contamination.

2. INTRODUCTION AND PROCESS DESCRIPTION

HB-Line consists of five distinct process areas: 1) the Scrap Recovery Facility (Phase I), 2) the Neptunium Oxide Facility (Phase II), 3) the Plutonium Oxide Facility (Phase III), 4) the Waste Handling Facility (HB-Line Lab Line), and 5) the 3rd and 4th Levels. The process areas are located on the third, fourth, fifth, and sixth level of the 221-H building. The processes utilize stainless steel hardware throughout. All piping external to glove boxes is contained within stainless steel jacketing in order to minimize the potential for external leaks. Glove boxes provide confinement and shielding. The glove boxes are exhausted through two stages of HEPA filters. A brief description of each facility is provided below.

The TRU waste generated from these processes is predominately from the glove boxes. All waste generated in the glove boxes is treated as TRU waste unless proven to be low-level waste. Sweepings from glove boxes are recycled when practical for recovery of radioactive materials. Minor amounts of TRU waste are generated through the performance of the surveillance/maintenance activities and non-routine decontamination efforts.

2.1. Scrap Recovery Facility (Phase I)

Operations in the Scrap Recovery Facility include opening, repackaging, screening, size reducing and dissolving scrap. Mixed scrap (a mixture of various radioactive materials) from SRS's FB-Line and other facilities in the DOE complex is dissolved in the Scrap Recovery Facility. After dissolution, the material is filtered and transferred to H-Canyon for further processing.

Figure 1 provides a general process flowchart for the Scrap Recovery Facility.

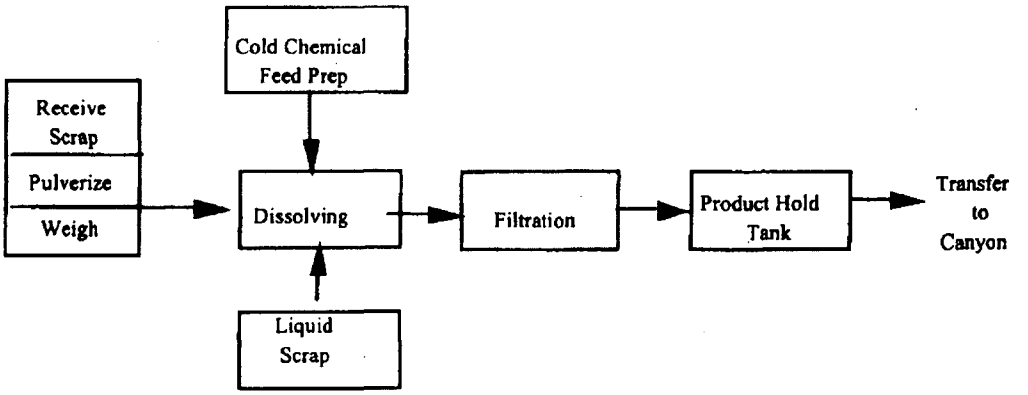

Figure 1. Scrap Recovery Facility Flowchart

A detailed description of the Scrap Recovery Facility can be found in the HB-Line Safety Analysis Report, WSRC-SA-2001-00009 (Reference 2).

A future mission for the HB-Line facility involves a destructive analysis of 3013 Pu-oxide material known as DE3013. During this campaign, 3013 cans will be opened in K-Area and an evaluation of the can will be conducted as well as destructive analysis of the oxide to ensure the integrity of the can and the material packaged in the can. The Pu-oxide in open cans will be shipped to HB-Line for dissolution in Phase I. Prior to dissolution, the Pu-oxide will be washed to reduce the chloride content since chlorides will induce stress corrosion cracking of the processing equipment. An oxide washer will be utilized to perform this task, which will decrease the chloride level in the oxide to an acceptable level prior to introducing the oxide into Phase I. The plan is to install a chloride washer in the Waste Handling Facility. Lab sample data will be taken of this material in the development of a Waste and Hazardous Determination prior to shipment of the material to Solid Waste. This campaign will produce a substantial amount of liquid. This liquid will be absorbed or grouted prior to shipment to Solid Waste.

2.2. Neptunium Oxide Facility (Phase II)

The Neptunium Oxide Facility, Phase II, formerly converted plutonium nitrate solutions into plutonium oxide. The Neptunium Oxide Facility's current mission, sometimes referred to as Neptunium Part I, is to process neptunium nitrate solution from H-Canyon into neptunium oxide. The operations include transferring neptunium nitrate solution from H-Canyon's Tank 8.5 for processing into neptunium oxide.

Rooms 309 and 410 support the Neptunium Oxide Facility. Room 309 stores chemicals used in the chemical adjustments performed in tanks JT-71 and JT-72. These tanks are located in room 410.

2.2 Figure 2 provides a general process flowchart for the processing Neptunium Oxide Facility.

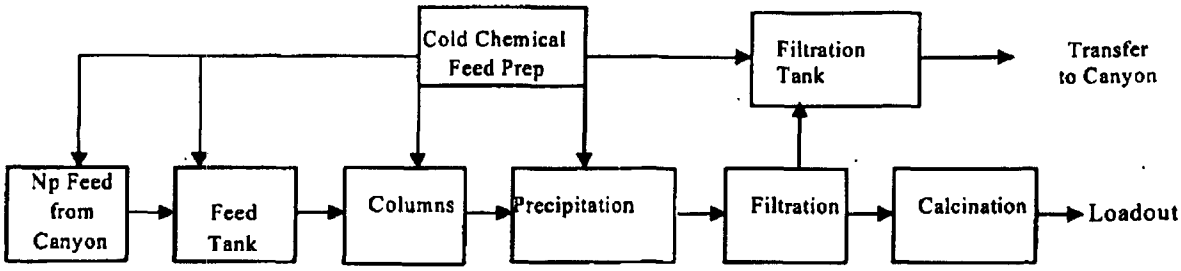

Figure 2. Neptunium Oxide Facility

A detailed description of the Neptunium Oxide Facility can be found in the HB-Line Safety Analysis Report, WSRC-SA-2001-00009 (Reference 2).

HB-Line will begin the Neptunium Part II campaign after the Neptunium Part I campaign ends. Waste characterization for Neptunium Part II is expected to include the same isotopes as the current campaign. However, to ensure the waste is appropriately characterized, lab sample data will be used to determine the waste characterization and hazardous determination.

2.3 Plutonium Oxide Facility (Phase III)

The former mission of the plutonium oxide facility was to produce Pu-238 oxide for the Los Alamos National Laboratory (LANL). Surveillance and maintenance activities in this facility continue to generate TRU waste that is contaminated with a Pu-238 distribution. Most of the Pu-238 contaminated waste has now been removed.

The new mission in Phase III is the receipt, size reduction (if necessary), and repackaging of scrap Pu-metal. The scrap metal is then dissolved either in Phase I of HB-Line or in the H-Canyon Facility. Any undissolved metal that is classified will be returned to Phase III, oxidized in the new furnace, and discarded as TRU waste.

Pu-242 was also formerly processed in this facility but has been removed; only residual amounts of Pu-242 remain.

A general process flowchart for Phase III processing is provided in Figure 3.

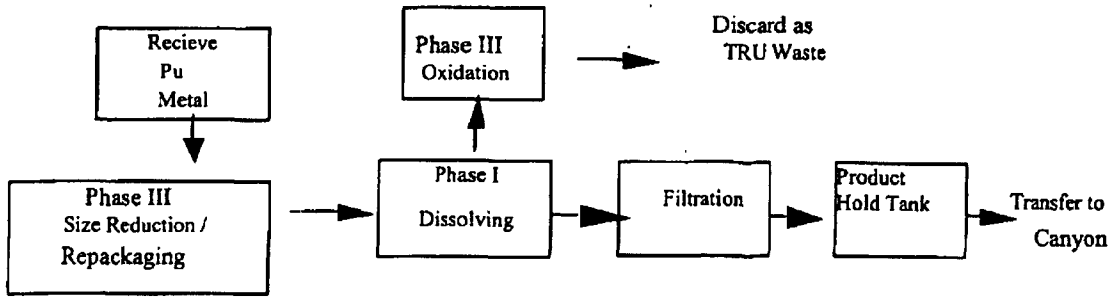

Figure 3. Plutonium Oxide Facility Flowsheet

2.4 Waste Handling Facility

The original purpose of the Waste Handling Facility was to collect, to process and to package all solid TRU wastes generated in HB-Line. This facility has never operated in this capacity. The Waste Handling Facility, located in Phase II, is used to perform laboratory analyses to support HB-Line process operations. TRU waste generated in the HB-Line laboratory may be contaminated with any of the HB-Line radiological distributions. Some of the chemicals listed in Attachment A are from this laboratory's operations. If a liquid effluent meets process specifications, it will be returned to the process. If it does not, it will be either neutralized or grouted, and then disposed.

2.5 3rd and 4th Levels

Waste assay and storage activities are performed in the 3rd and 4th Levels of HB-Line. These levels also support the Neptunium Oxide Facility. TRU waste contaminated with a Pu-238 distribution continues to be generated by surveillance, maintenance, and decontamination activities. There is also a potential for cross contamination to occur with Pu-239 and Np-237 that were present in previous missions.

3. PHYSICAL CHARACTERIZATION

3.1. General

HB-Line has five physical categories of TRU waste: 1) Cabinet (glove box) Waste, 2) Hut/Decontamination Waste, 3) HEPA Filter Waste, 4) Sources & Standards, and 5) Beryllium contaminated waste. The categories are determined by packaging, assaying and segregation. Within each category, the waste is segregated at the time of generation into the waste types listed on the TRU Waste Container Characterization Form (WITS 29-90). Examples of HB-Line waste for each of these waste categories, as well as the associated types, are found in Attachment B.

No free liquids are permitted to be disposed as TRU waste. All free liquids will be properly absorbed or grouted in accordance with WSRC Manual 1S (Reference 1). The absorbents currently authorized for usage in HB-Line TRU Waste are: Celite, Soda Ash and Oil-Dri. Portland cement and an aggregate such as vermiculite are used in the grouting process. The aggregate is used to reduce cement density. This ensures that the waste meets the Solid Waste requirements for radiography.

Resins are used in the HB-Line processes. They are sent to H-Canyon for disposal.

HB-Line TRU waste does not contain any classified materials. If any classified waste is ever generated, the Generator Certification Official (GCO) will notify appropriate personnel.

3.2. Cabinet (Glove box) Waste

Cabinet waste originates in the process enclosures. This waste contains measurable quantities of contaminated material. Cabinet waste is primarily job-control waste consisting of contaminated equipment, equipment parts, small HEPA filters and incidental waste from production operations. Cabinet waste is a heterogeneous combination of dry organic and inorganic debris. The disposal path for any non-routine waste shall be determined by the GCO and the Environmental Compliance Authority (ECA). Examples of non-routine waste are electrical motors, pumps, and any waste that may potentially be hazardous waste. Details on the types of waste for this category are found in Attachment B.

3.2 HB-Line no longer utilizes Lead-Lined gloves in the facility and most if not all Lead-lined gloves have been discarded. However, any Lead-lined gloves still remaining in the facility will continue to be disposed of as "cabinet waste", and managed as Mixed TRU Waste. Per the manufacturer, the percent of lead in the gloves is dependent on the ply of the glove: 3 ply gloves - 73.7% lead/pair, 4 ply gloves - 62.7% lead/pair, and 5 ply gloves - 56.1% lead/pair. HB-Line used 3, 4 and 5 ply lead lined gloves throughout the facility. Since it is difficult to determine the ply of the glove at the time of disposal, HB-Line will use the conservative figure of 74% lead and 26% rubber per pair when characterizing lead lined glove waste. HB-Line has phased out its use of lead-lined gloves, replacing them with non-lead lined gloves (Reference 3). Non-lead lined gloves are used in the facility and are 100% rubber. These gloves are disposed as "cabinet waste" and are managed as TRU Waste.

Small filters inside the cabinets are changed out at specified frequencies. These filters are small enough to fit into a 30-gallon pail, so they are packaged as cabinet waste. The composition of these filters is similar to that of the 24" x 24" filters (see section 3.4). Based upon metals/alloys in the filter frame and media supports, the composition is as follows: 14% filter (due to the filter media) and 16% plastics (waste material) for the polyurethane sealant and gel.

3.3. Hut/Decontamination Waste

Non-Cabinet waste (non-process TRU waste) can be generated from maintenance tasks, operator duties and decontamination activities. If the contamination potentially exceeds 100 nCi/g TRU nuclides, it is processed as TRU Waste. Job control wastes from HB-Line may exceed LLW acceptance limits when generated in rooms posted at 370, 000 dpm/100cm^2 transferable alpha for "Non-Hut" wastes. These wastes may be TRU and must be evaluated by the GCO/CTF for proper waste processing. The basis and methodology for characterizing these waste types is provided in WSRC-TR-94-0371, *Characterization of HB-Line Low-Level Waste* (reference 6) and N-CLC-H-00613, *Radionuclide Distribution for HB-Line Low Level Waste* (reference 23). Details of the types of waste for this category are found in Attachment B.

Decontamination (Decon) wastes are materials used to remove radioactive contamination from surfaces. Decon waste is assumed to be TRU waste unless it can be proven to be LLW. The conditions necessary to conclude that decon waste is low level are provided in NMP-SHB-93-0361, *HB-Line Facility Low Level Radioactive Waste/Mixed Certification Plan* (reference 21).

3.4. HEPA Filter Waste

High Efficiency Particulate Air (HEPA) filters are used to filter the process air. This waste consists of the large 24" X 24" HEPAs packaged in cardboard boxes. These filters are located in the Fan & Filter rooms and are packaged directly into cardboard boxes. Per the manufacturer, the composition of these filters is as follows: 70% Stainless Steel (filter housing and media supports), 14% Glass Fibers (filter media), 13% Urethane (sealant), and 3% Gel.

Based on this composition, HB-Line will characterize the filters as 70% iron based metals/alloys, 14% filters and 16% plastics (waste materials).

3.5. Sources & Standards

HB-Line also disposes of legacy sources and standards. The sources/standards will be characterized to determine the isotopic content and disposal path. The preferred disposal path is through Los Alamos National Laboratory's (LANL) source recovery project. If the sources and standards meet the requirements of this project, they will be repackaged and shipped to LANL for disposition. If the sources/standards do not meet the requirements of this project, they will be packaged to meet the requirements of WSRC 1S Manual for low level, TRU, and mixed waste as appropriate.

3.6. Beryllium Contaminated Waste

The Scrap Recovery Facility (Phase I) and the Plutonium Oxide Facility (Phase III) process material contaminated with beryllium. All beryllium-contaminated waste will be segregated to prevent cross-contamination with other waste.

4. CHEMICAL/HAZARDOUS CHARACTERIZATION

4.1. General

There are three means by which substances that could generate hazardous waste could enter the HB-Line TRU waste streams: 1) contamination of waste by process material, 2) use of a product in HB-Line that , when disposed, is hazardous waste, and 3) by hazardous chemicals present in the job control materials.

The chemicals that will be used in each job are identified by MSDS during a job pre-planning session. The handling and disposal of any chemicals are discussed in the job pre-planning session. The conclusions shall be contained in the "standby operator duties" section of the work pre-planning session. The waste handler and/or the GCO shall segregate this waste for proper disposal.

To facilitate hazardous waste segregation and temporary storage, mixed waste staging areas are located within the facility. Personnel who enter HB-Line are trained to identify the type of waste generated (including any possible hazardous or mixed waste) and to dispose of the waste in the proper waste receptacle.

In the event of a spill or leak, the spilled material will be neutralized, characterized, and disposed under the guidance of the GCO, ECA and facility procedure AOP 221-HB-1000 (Reference 4).

4.2. Process Material / Process Chemicals

4.2.1. Process Material

Currently, HB-Line is processing material in the Scrap Recovery Facility (Phase I - North Line), the Neptunium Oxide Facility (Phase II), and the Plutonium Oxide Facility (Phase III) Future missions of HB-Line will be performed in these areas of HB-Line, and possibility additional areas, such as the Phase I South Line. Therefore, to ensure compliance with WSRC 1S Manual, a waste characterization and hazardous determination will be made prior to shipment of any waste to the Waste Management Area Project.

4.2.2. Process Chemicals

The Chemical Coordinator maintains the Material Safety Data Sheets (MSDS) for the process chemicals used in HB-Line. Chemicals used during processing are nitric acid, potassium fluoride, aluminum nitrate, sodium nitrite, ferrous sulfamate, hydrazine mononitrate, oxalic acid, sodium permanganate, and nitrated resin. Additional chemicals listed in Attachment A are used in the Waste Handling Facility. These chemicals could only be characteristically hazardous for the corrosivity. However, the corrosivity characteristic does not apply to solids. Since all TRU waste is solid, it cannot be hazardous as a result of incidental contact with these process chemicals.

4.3. Non-Process Chemicals

Non-process chemicals generated in the TRU waste stream are the result of cleaning and maintenance activities.

Prior to performing any work, work planners prepare a work package describing the scope of the work being preformed. The GCO and ECA review automated hazard analyses (AHAs) and work packages to determine the disposal path for all waste generated during the activity. This ensures that all waste is properly characterized prior to generation. Any waste generated without an identified disposal path (i.e., waste generated on the back shift) will be tagged with a "requires further processing" (RFP) tag. The GCO and ECA will determine a disposal path prior to disposal.

4.4. Chemicals in Job Control Waste (JCW)

Potentially hazardous chemicals are present in trace amounts in the raw materials of the JCW. The Waste Management Area Project (Reference 5) performed a characterization of the raw material in the JCW. The test results show that typical SRS JCW is not hazardous.

5. RADIONUCLIDE CHARACTERIZATION

Radioisotopic characterization of TRU waste involves 1) defining the processes that generate the waste streams, 2) determining the radioisotopic distribution of the waste streams, and 3) determining the radioactive material quantities of the waste streams. Waste streams are determined based on the physical layout of the facility, the facility mission, and the predominant radionuclide(s) being processed.

The current TRU waste streams in Phases I/II/III are contaminated by the existing Pu-238 and/or Pu-239 distributions from earlier processes. These distributions have previously been characterized for LLW processing. These distributions and corrections to them are described in the HB-Line LLW Characterization Plan (Reference 6).

The 3rd and 4th Level distribution is predominately Pu-238 but is sufficiently different from the Plutonium Oxide Facility (Phase III) distribution that it must be managed separately. Other waste streams will be created, characterized and documented as the missions of HB-Line change.

5.1. Waste Stream Distributions

5.1.1. Scrap Recovery Facility (Phase I)

The Mixed Scrap campaign involves only the scrap recovery facility. Engineering Memo NMS-EHB-2000-00063 (reference 16) documents the specific waste stream distribution. This document will be revised as necessary to properly characterize the waste. This or other appropriate documentation will be referenced on the corresponding TRU Waste Container Characterization Form, WITS 29-90. The overall quantity of the waste will be determined (usually in grams) by measuring the predominate isotope in the campaign (i.e., U-235 or Pu-239) and scaling the other radionuclides to the predominate isotope.

5.1.2. Neptunium Oxide Facility (Phase II)

The distribution of radionuclides in Phase II is a composite of 1) Phase II 's previous mission (reference 12), 2) processing plutonium nitrate solutions to plutonium oxide, and 3) it's new mission, processing neptunium nitrate solutions to neptunium oxide. The characterization of this waste stream is contained in Engineering Calculation N-CLC-H-00451 (reference 8). The overall gram quantity of the waste will be determined by measuring the quantity of Pu-239 and Np-237, and scaling the other radionuclides to one of them.

Neptunium Part II is a new campaign that will be processed in the Neptunium Oxide Facility. As lab sample data becomes available, a waste characterization and hazardous determination will be developed in order to properly characterize the waste.

5.1.3. Plutonium Oxide Facility (Phase III)

The distribution of the radionuclides in the Pu-238 material is based on sample analysis of plutonium isotopes and other isotopes listed in the SRS Waste Acceptance Criteria (Reference 1). The radionuclide distribution is documented in N-CLC-H-00471 (reference 18) and normalized in N-CLC-H-00557 (reference 17). The overall gram quantity of the waste will be determined by measuring the Pu-238 and scaling the other radionuclides to the Pu-238 value.

The Pu metal in the 3013 campaign has been characterized by bounding the entire campaign by the FB-Line sweepings material. This material was characterized in document CBU-HCP-2005-00342, *Waste Characterization of FB-Line's Sweepings Campaign*, (Ref. 24). This characterization was used because 1) all of the material was contained in the Packaging and Stabilization (P&S) campaign in the FB-Line Facility, and 2) the FB-Line sweepings was a collection of the sweepings at the end of P&S campaign. The hazardous determination is documented in M&O-MDO-2006-00400, *Resource Conservation and Recovery Act (RCRA) Characterization of Waste Generated during 3013 Campaign* (Ref. 25). This characterization also applies to 3013 Pu-metal currently being processed in Phase I.

5.1.4. Waste Handling Facility (Lab-Line)

The distribution of the radionuclides in the Waste Handling Facility will vary with HB-Line's missions. TRU waste generated in the HB-Line laboratory has the potential to be contaminated with the radiological distributions from Phase I and Phase II. Waste that is contaminated with Np will be characterized using the Phase II distribution. Waste that is contaminated with U-235 and/or Pu-239 will be characterized using the Phase I distribution. If either the Scrap Recovery Facility (Phase I) or the Neptunium Oxide Facility (Phase II) is not operating, the radiological distribution of the facility that is operating shall be used.

5.1.5. 3rd & 4th Levels (excluding rooms 301, 304, and 410)

The distribution of radionuclides used for waste generated in the 3rd and 4th Levels is the same as that used for waste generated in the H-Canyon Uranium Solidification Facility (USF) - Prep Radionuclide Distribution. Rooms 301 and 304 do not generate TRU waste. As stated in section 2.2, Room 410 waste is from the Neptunium Oxide Facility (Phase II). The radionuclide distribution is documented in S-CLC-H-00938 (reference 19) and normalized in N-CLC-H-00473 (reference 10). The overall gram quantity of the waste will be determined by measuring the Pu-238, and, using reference 10, scaling the other radionuclides to it.

5.2. Waste Package Quantification

Waste package quantification is determined by direct assay or engineering calculation. The following is a general description of assay equipment used in HB-Line:

5.2.1. Radionuclide Assay System-Photon (RAS-P)

The RAS-P is used to perform a gamma assay for all HB-line waste container types. The RAS-P was assembled at SRS from off-the-shelf components. The RAS-P assay 5-gallon pails, HEPA convenience boxes, 30-gallon pails (gray tubs), 55-gallon drum liners, and 55-gallon drums. The Portable Pulse Height Analyzer (Portable PHA) may also be used when the RASP is not operable. Personnel from the Nuclear Measurement Group (NMG) calibrate the RAS-P. Its calibration is checked before and after each assay session. The accuracy of this measurement has been established by NMG personnel to be +/- 50%. Trained waste.operators who operate the RAS-P are required to verify the equipment is operating properly before and after every assay session.

5.2.2. Portable Pulse Height Analyzer (Portable PHA)

The Portable PHA was assembled at SRS from off-the shelf components. The Portable PHA is used to perform a gamma assay of larger items, specifically 1) HEPA convenience boxes, 2) 30-gallon pails (gray tubs), and 3) drum liners. The Portable PHA may also be used when the RASP is not operable. NMG personnel calibrate the Portable PHA. Its calibration is checked before and after each assay session. The accuracy of this measurement method has been estimated by NMG personnel to be +/- 25%. The equipment is operated by either the HB-Line CTF or by NMG personnel. The output data are provided to NMG personnel for preparation of an engineering memo or a formal calculation.

5.2.3. WITS 29-90 Preparation

One of the measured isotopes (U-235, Np-237, Pu-238, and Pu-239) shall be selected as the radionuclide from which all other radionuclides will be scaled. Each time the waste stream changes, a new radiological distribution will be determined by the waste CTF and the data submitted to Solid Waste.

5.3. Waste Stream Validation

The waste streams shall be reviewed and validated as specified in WAC 2.02 (Reference 1).

6. REFERENCES

1. E-Area TRU Pads Transuranic Waste Acceptance Criteria, Manual 1S, WAC 3.06, Savannah River Site Waste Acceptance Criteria Manual
2. HB-Line Safety Analysis Report (SAR), WSRC-SA-2001-00009
3. HB-Line Cabinet Gloves – Justification for use of Non-lead Gloves, NMM-EHB-20002-00023
4. Response to Spills, Facility Procedure AOP 221-HB-1000
5. Solid Heterogeneous Job Control Waste Raw Material Characterization, WSRC-RP-95-897
6. Characterization of HB-Line Low-Level Waste, WSRC-TR-94-0371
7. Justification for Changing Np-237 Relative Activity in the Pu238 TRU Waste Stream for HB-Line, NMS-EHB-980125
8. Phase II Waste Steam Determination of Np Processing, N-CLC-H-00451
9. Low-Level Radioactive Waste Acceptance Criteria, Manual 1S, WAC 3.17, Savannah River Site Waste Acceptance Criteria Manual
10. Scaling Factors and TRU Limit Determination For HB-Line 3rd and 4th Level TRU Waste, N-CLC-H-00473
11. Scaling Factors and TRU Limit Determination For HB-Line Phase I TRU Waste, N-CLC-H-00474
12. Scaling Factors and TRU Limit Determination For HB-Line Phase II TRU Waste, N-CLC-H-00435
13. Low-Level, Hazardous, TRU, Mixed and PCB Waste Characterization Requirements, Manual 1S, WAC 2.02, Savannah River Site Waste Acceptance Criteria Manual
14. 221-HBL Facility Waste Characterization Sampling Plan, Q-ESR-H-00009
15. 221/211-H Characterization Plan for Low-Level Radioactive Waste (U), NMP-SHC-94-0971
16. HB-line Waste Distribution for Mixed Scrap, NMS-EHB-2000-00063
17. Scaling Factors and TRU Limit Determination For HB-Line Phase III TRU Waste, N-CLC-H-00557
18. Time Dependent Radionuclide Distribution of the HB-liner Phase III Low-Level Waste, N-CLC-H-00471
19. Decay Old HB-Line Isotopic Distribution, S-CLC-H-00938.
20. RCRA Determination for the Neptunium Oxide Facility's TRU Waste stream, N-CLC-H-00558
21. HB-Line Facility Low Level Radioactive Waste/Mixed Certification Plan, NMP-SHB-93-0361
22. HB-Line Transuranic (TRU) Waste Certification Plan, NMS-EHB-990044
23. Radionuclide Distribution for HB-Line Low Level Waste, N-CLC-H-00613,
24. Waste Characterization of FB-Line's Sweepings Campaign, CBU-HCP-2005-00342
25. Resource Conservation and Recovery Act (RCRA) Characterization of Waste Generated during 3013 Campaign, M&O-MDO-2006-00400,

7. ATTACHMENTS

Attachment A: HB-Line Process Chemicals
Attachment B: TRU Waste Types

Attachment A: HB-Line Process Chemicals

Chemical	Form of Chemical When Received On-Site	Use in HB-Line
Potassium Fluoride (KF)	Solid Crystal in bags	Used in Scrap Recovery process as a catalyst in dissolving.
Aluminum Nitrate	bottles Liquid	Used in Scrap Recovery process to complex the KF added during dissolving.
Nitric Acid	Bulk Liquid	Used as a solvent for plutonium oxide material, dissolving mixed scrap, and to make up a variety of solutions used in HB-Line.
Sodium Hydroxide	Liquid Bottles (2L)	Used as a titrant in the Lab Line (Waste Handling Facility).
Sodium Nitrite	Solid Crystals in Drums	Used to destroy excess sodium permanganate and manganese dioxide
Sulfamic Acid	Matrix solution prepared in 772-1F	The Lab Line using this matrix solution for the DAS analysis
Ferrous Sulfamate	Matrix solution prepared in 772-1F Liquid in bottles	The Lab Line using this matrix solution for the DAS analysis Used to adjust valence of neptunium nitrite solution
Phenolphthalein	Liquid in bottles	Used as an indicator for titration process
Oxalic Acid	Solid Crystal in Carboy Drums	Used in Waste Handling Facility for DAS analysis and to precipitate Pu(IV) for Phase II process
Sodium Permanganate	Solid Crystal in bags	Used as a reagent in the Phase II filtrate tanks to neutralize the oxalic acid
Hydrazine Mononitrate	Liquid in bottles	Used as a reagent in the Phase II column feed tanks and solution fed to column to keep valance adjustment stable.
Indigo Carmine and Phenanthroline Ferrous Sulfate Complex mixture	Liquid in bottles	Used as a color indicator to check for presents of nitrite.

Attachment B: TRU Waste Types

1S, Item 3.06 Waste Material Types	1S, Item 3.06 Description	HBL Examples	HBL Category
Iron based metals/alloys	Iron and steel alloys in the waste	Hand tools, pipe, misc. metal cans, oxide cans, S&C cans, shipping containers, valves, valve handles, metal hardware, HEPA filter frames/grillwork, AEC filters, metal tubing and fittings	Cabinet Waste HEPA Waste
Aluminum based metals/alloys	Aluminum or aluminum-based alloys in the waste materials	None	N/A for HBL
Other metals	All other metals found in the waste materials	Metal beakers, lead bricks, cadmium sheet, motors, agitator motors, hot plates, instruments, mercury thermometer, motorized tools, scales, "RCRA empty" aerosol cans, lead-lined gloves and aprons	Cabinet Waste
Other inorganic materials	Nonmetallic inorganic waste, including concrete, glass, firebrick, ceramics, sand, and inorganic sorbents	Glass beakers, celite, crucibles, welders, jacket, lab ware, Plexiglas, sand, Lexan cabinet panels	Cabinet Waste
Cellulosics	Materials generally derived from high polymer plant carbohydrates (e.g. paper, cardboard, wood, cloth)	Rags, sponges, swipes, Kim wipes, masselin cloth, wood, mop heads, leather, cartons, craft paper, masking tape, uniforms	Cabinet Waste Non-Cabinet Waste
Rubber	: Natural or man-made elastic latex materials; (e.g. surgeons' gloves, leaded rubber materials)	Latex gloves, rubber gloves, lead-lined gloves and aprons, miscellaneous rubber	Cabinet Waste Non-Cabinet Waste
Plastics (waste material)	Man-made materials derived from petroleum feedstock (e.g. polyethylene, polyvinylchloride)	Plastic film and sheeting, electrical tape, shoe covers, plastic suits, fresh air hoods, breathing air hoses, hut plastic, carboy bottles, Spray bottles, nylon filled tape, PVC pipe and fittings, PVC valves and handles, agitator blade, filter sealant/gel.	Cabinet Waste Non-Cabinet Waste
Absorbed liquids	Absorbent damp with liquid	Oil, paint, bleach, BH-38 cleaner, rainwater	Cabinet Waste Non-Cabinet Waste
Filters	Discarded HEPA filters or process filters	HEPAs, canisters, Filtrate Cartridges, AEC Filters	Cabinet Waste HEPA Waste
Organic Matrix	Organic resins, solidified organic liquids, and sludges	Resin (anion, cation, chelating)	N/A for HBL
Inorganic Matrix	Any homogeneous materials consisting of sludge or aqueous-based liquids, which are solidified with cement, calcium silicate, or other solidification agents (e.g. waste water treatment sludge, cemented aqueous liquids, and inorganic particulates)	Caustic sludge, evaporated sludge (neutralized and absorbed), cements stabilized waste	Cabinet Waste
Soils	Naturally occurring soils, contaminated with waste materials	None	N/A for HBL
Steel packaging material	55-gallon drums	DOT Type A, Specification 7A Shipping drum	Cabinet Waste Non-Cabinet Waste
Plastic packaging materials	Drum liners and plastic bags	90-mil polyethylene drum liner and lid, polyethylene box, bag-out bag, waste bag	Cabinet Waste Non-Cabinet Waste HEPA Waste
Void space	Potentially usable space inside the outermost container, not including unfilled space inside internal containers or packages, such as bags and waste cuts	Empty space inside the packaging container (e.g., pail, drum liner, or drum)	Cabinet Waste Non-Cabinet Waste HEPA Waste

Note 1: Non-Cabinet Waste is inclusive of Hut / Decontamination Waste
Note 2: Sources / Standards discarded as waste are processed in HB-Line gloveboxes and are discarded as cabinet waste.
Note 3: Due to the material being processed, some HB-Line cabinets have been labeled as "Beryllium Contaminated Waste" and any waste removed from these cabinets will be discarded as "beryllium contaminated waste."

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C197
Waste Stream Number(s): SR-RH-221H.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ✓ TRU Waste Management Program Information ✓ Waste Stream-Specific Information ✓ Additional Information	Category: Published Document or Controlled Database Unpublished Data Internal Procedure or Note ✓ Correspondence Discrepancy
Title of Source Document: Memo to CCP Records re: Addition of Containers to Waste Stream SR-RH-221H.01	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jason Montoya, NA, NA, 6/20/2011	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
PR5, PR6, PR7, PR8, WS1, WS2, WS3, WS6, WS8, WS9, WS10, WS11, WS12, S4, S9, S16	Throughout	The purpose of these memoranda is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers. The initial waste stream delineation for RH waste stream SR-RH-221H.01 is documented in AK Summary Report CCP-AK-SRS-600 (Revision 0) and the Attachment 8 Waste Container List prepared initially for this waste stream. This source includes Waste Stream Container Evaluation Memorandum prepared in accordance with CCP-TP-005 to document the evaluation and addition of containers to waste stream SR-RH-221H.01. Each container added will be assessed to assure that the containers are bounded by current AK Summary Report and Attachment 8 for waste stream SR-RH-221H.01 for the following: Waste generation location and process Time period of generation Physical form compared to the assigned Waste Material Parameters and waste matrix code Chemical content Prohibited items Radionuclides

CCP RECORDS ORIGINAL
DATE REC'D 7-7-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C197

Source Document Data Limitations (if any):

1. Does not include the addition of containers assessed initially during the preparation of AK Summary Report CCP-AK-SRS-600. See Attachment 8 Waste Containers List for waste stream SR-RH-221H.01.

Acceptable Knowlege Expert:

Jason Montoya / Date: 6/20/11

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

WASTE STREAM CONTAINER EVALUATION MEMORANDUM

To: CCP Records

From: Jason Montoya, CCP AKE

Date: June 20, 2011

RE: Addition of Containers to Waste Stream SR-RH-221H.01 – AK Source C197

The purpose of this memorandum is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers. The initial waste stream delineation for RH waste stream SR-RH-221H.01 is documented in AK Summary Report CCP-AK-SRS-600 (Revision 0) and the Attachment 8 Waste Containers List prepared initially for this waste stream. This list identifies the specific containers evaluated and included in this waste stream; in addition to, the projections for future waste stream generation.

AK Source C197 will include Waste Stream Container Evaluation Memorandum prepared in accordance with CCP-TP-005 to document the evaluation and addition of containers to waste stream SR-RH-221H.01. Each container added will be assessed to assure that the containers are bounded by current AK Summary Report and Attachment 8 for waste stream SR-RH-221H.01 for the following:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

Attachment 8 (Waste Containers List) will only be revised if the containers added are not bounded by the waste stream delineated in the attachment. The SPM will be notified of the containers added to the waste stream and the AK Tracking Spreadsheet (AKTSS) will be updated to include these additional containers.

WASTE STREAM CONTAINER EVALUATION MEMORANDUM

To: Irene Joo, CCP SPM

From: Kevin Peters, CCP AKE

Date: September 4, 2013

RE: Addition of 1 Container to Waste Stream SR-RH-221H.01– AK Source C197

The purpose of this memorandum is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers.

This memorandum presents the evaluation of 1 55-gallon drum generated during repackaging of a debris container originally included in CH companion waste stream SR-W027-221H-HET. The repackaging of container SR522596 (originally packaged 7/18/1985 – see attached BGR) to secure scissors and remove valves from containers resulted in the generation of daughter SR522596A (see attached Drum Loading Data Sheets). The resulting drum exceeding 200 mR/hr and was determined to be RH (see attached survey results).

Drum ID	Container Type	Closure Date	Description
SR522596A	55-gallon	3/17/2013	HB-Line Debris Waste

Based on a review of the TRU Drum Packaging Checklist and survey report for this container (attached), the container is bounded by current revision of the AK Summary Report for waste stream SR-RH-221H.01 for the following:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

This waste stream container evaluation memorandum will be added to AK Source C197 for waste stream SR-RH-221H.01 waste stream and the AK Tracking Spreadsheet (AKTSS) will be updated to include these additional containers.

NTPC RECORDS ORIGINAL
DATE REC'D 10/30/13 SP

(Rev 10-81) 071 RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD (ACCOUNTABILITY)

SOLID WASTE DESCRIPTION (ORIGINATOR COMPLETES) 14

CARD CODE: 01 | FILE SEQUENCE NO.: 522596 | DATE SHIPPED: 07/18/85 | SHIPPED FROM BLDG: 221 | AREA: HBL

VARIETY CONT (1): 83 | TOTAL QUANTITY (1): 30139 | ISOTOPIC QUANTITY (1): 23169 | UNIT ONE: G | [redacted] | QUANTITY (2): W28 | [redacted] | TYPE CODE: 7

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: DRUM # Z179

HEALTH PROTECTION SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1 MR/L | CURIES ESTIMATED BY: Ted Cheny

BODY RATE TO (UN)LOAD: 1 MR/L | BODY RATE IN CAB: <1 MR/L | CUSTODIAN (AUTHORIZATION FOR BURIAL): Ted Cheny

SURVEYED BY: TWelch | DATE AUTHORIZED: 7-16-85

TRANSPORTED BY: ATM

VEHICLE NO.: 2354

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

Ted Cheny (AUTHORIZED SIGNATURE) 7/12/85 (DATE) 8119 (TELEPHONE NO)

Whitney

54192

ER

REMARKS: TRU WASTE - RETRIEVABLE STORAGE. WC. WACKWAY MATL -

WASTE BURIAL DESCRIPTION (BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 522596 | DATE BURIED: 07/19/85 | U COORDINATE: XXXXXX

BURIAL LOCATION Y COORDINATE: YYYYYY | BURL CODE: 4 | CONTAINER NUMBER: 324 | PET NUMBER PREFIX | PET NUMBER SERIAL NUMBER | REMARKS AND DESCRIPTION

DESCRIPTION, CONTD

BEST AVAILABLE COPY

Attachment 8.5
7A Type A 55-Gallon Drum Loading Data Sheet
Page 1 of 1

PO Number AC82123A

1. Drum Container ID: SA522596A Inner Container ID(s): SA522596
2. TRU Container ID: TACVL 9760 Drum Type: 55 / 85 / 110 Gallon 85
   RCRA: (Yes) / No PCBs: Yes / (No) Be: (Yes) / No
3. Pu-239 FGE: 7.580 Pu-239 PEC: 369.628
4. Filter Torque Wrench ID: FV900 Cal. Due Date: 4-24-13
5. Filter Type/Serial Number/Manufacturer Date/ Torque Value (Filter vents must be LESS THAN 5 years old)

Filter Type	Serial Number	Manufacturer's Date	Torque Value
NucFil 016SSHP	FL-229	6/11	10
NucFil 019DS	GL-806	7/11	12

6. Closure Torque Wrench ID: HV 648 Cal. Due Date: 11-8-13
7. Date Lid Was Closed: 3-7-13
8. Container Integrity: ☒ Sat ☐ Unsat
9. Dynamometer/Scale ID Used to Weigh 7A Type A 55-Gallon Drum: 141998 Cal. Due Date: 5-3-13
10. Weight of Drum 209 Lbs
11. Weight of absorbent 0 Lbs Type of Absorbent N/A

PEER INSPECTION HOLD POINT

12. ($)(P&T) ENSURE that there is at least one NucFil-016SSHP and NucFil-019DS filter vents installed. [HC, SAC 5.7.2.27.a] [S-OSA-G-00003, 4.30]

Peer Inspector Print Name | Item Acceptability (Circle One) (Pass) / Fail | Peer Inspector Signature | 3-7-13 Date | JAC Initials | 0946 Time

13. CHECK all applicable prohibited items:
   ___ Pressurized Container (Non-aerosol) ___ Containerized Liquids
   ___ Unpunctured Aerosol Cans ✓ Other

JAC Initials / SPV

14. RECORD liquid waste volume %: 0 %

JAC Initials / SPV

15. Contains (Unvented) Non-Compliant or High PEC Container inside Compliant Overpack? Yes / (No)

Contents: 2 small containers ½" x 3½". One Container had Top handle removed and also a small valve removed, Scissors taped to the side of Container 2nd Container ½" x 3½", Removed Gauge & Valve, All items Placed in 5 Gallon Pail Placed into 7A-55 Gallon drum with waste on top & Bottom. 7A-55 placed into 7A Type 85 Gallon Drum, used Based upon process knowledge and physical Attributes of the Cans/IPC found in SA522596 Are considered waste

Completed By: FLM Signature | Mike Lewis FLM Print Name | 3-7-13 Date | 11:25 Time

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Attachment 8.5
7A Type A 55-Gallon Drum Loading Data Sheet
Page 1 of 1

PO Number AC82123A

1. Drum Container ID: SA582596A Inner Container ID(s): SA582596
2. TRU Container ID: TACUL 9760 Drum Type: 55 / 85 / 110 Gallon 55
   RCRA: (Yes) / No PCBs: Yes / (No) Be: (Yes) / No
3. Pu-239 FGE: 7.580 Pu-239 PEC: 369.628
4. Filter Torque Wrench ID: FV900 Cal. Due Date: 4-24-13
5. Filter Type/Serial Number/Manufacturer Date/ Torque Value (Filter vents must be LESS THAN 5 years old)

Filter Type	Serial Number	Manufacturer's Date	Torque Value
NucFil 016SSHP	FL 307	5/11	12
NucFil 019DS	HM 665	8/12	12

6. Closure Torque Wrench ID: HV 648 Cal. Due Date: 11-8-13
7. Date Lid Was Closed: 3-7-13
8. Container Integrity: ☒ Sat ☐ Unsat
9. Dynamometer/Scale ID Used to Weigh 7A Type A 55-Gallon Drum: 141998 Cal. Due Date: 5-31-13
10. Weight of Drum 209 Lbs
11. Weight of absorbent 0 Lbs Type of Absorbent N/A

PEER INSPECTION HOLD POINT

12. (S)(P&T) ENSURE that there is at least one NucFil-016SSHP and NucFil-019DS filter vents installed. [HC, SAC 5.7.2.27.a] [S-OSA-G-00003, 4.30]

JAL Initials

Ron Kennedy (Peer Inspector Print Name) — Item Acceptability (Circle One) Pass / Fail — Ron Kennedy (Peer Inspector Signature) — 3-7-13 (Date) — 1435 (Time)

13. CHECK all applicable prohibited items:
    ___ Pressurized Container (Non-aerosol) ___ Containerized Liquids
    ___ Unpunctured Aerosol Cans ✓ Other

JAL Initials
PC SPV

14. RECORD liquid waste volume %: 0 %

JAL Initials
PC SPV

15. Contains (Unvented) Non-Compliant or High PEC Container inside Compliant Overpack? Yes / (No)

Contents: 2 small containers 5" x 3½". One Container had Top handle removed and also a small valve removed, Scissors taped to the side of Container One Container 5" x 3½", Removed Cover and Valve, All Items placed in 5 Gallon Drum and loaded into 7A-55 Container waste placed in bottom and TOP OF Drum (Suite 1 Hose). Wood. Based upon process knowledge and physical Attributes of the Cans/Item Found in SA582596 Are Considered waste.

Completed By: — FLM Signature — M. McLewis FLM Print Name — 3-7-13 Date — 11:25 Time

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VSDS Standard Map RSLS

Survey CANY-M-20130307-5

General Information

Title: HCA - Load Out 6 SWB's and 1 Drum from Concrete Culvert# TRCUL976D in the Truckwell

Survey Date/Time: 03/07/2013 07:33 | Lead Inspector: WOOD, JAMES MACKLIN

Survey Type: Job Coverage | Work Order/Task #: N/A

Counted By: Facility Inspector | KCN: B0341

RWP #: 13-HCA-122

Facility: HCA

Status: Approved by: WILLIAMS, SHANNON ERNEST, 03/07/2013 | Ready For Review by: WOOD, JAMES MACKLIN, 03/07/2013

Additional Inspectors

Inspector	Cmp Alt	Approve
BOUKNIGHT, JANICE MARIE	L1383	☑
CARTRETT, STEPHEN LAMAR	W5641	☑
FAIRBURN, CHARLES A.	B2342	☑

Dose Rate (DR) Object Prefixes/Suffixes

Dose Rates with Prefixes:	Dose Rates with No Prefixes:	Default Prefixes:	Default Suffixes:
E = Extrem	W Body	HS = Hot Spot	"n" = Neutron
S = Skin			"b" = Beta
			"c" = Corrected

Postings Legend

ARA=Airborne Radioactivity Area | DANGER=Danger | HRA=High Radiation Area

CA=Contamination Area | HCA=High Contamination Area

Instruments Used

#	Instrument Model	Instrument Serial #
1	12-110	CMC004469
2	12-Alpha	CMC008845
3	RO-20	CMC008170
4	ASP-2S1/NRD	CMC011714
5	HandECount	CMC005970
6	HandECount	CMC004640
7	HandECount	CMC010751
8	HandECount	CMC002730

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Comments:

Surveyed to load (6) SWB's and 1 Overpack Drum from Concrete Culvert# TRCUL 976D in the Truckwell and cleared SWB's and Overpack Drum for shipment back to E - AREA.

Survey of Truckwell and Airlock.

Maximum transferable contamination found in the Truckwell was **4000** dpm / 100 cm2 Alpha and **10,000** dpm / 100 cm2 Beta-Gamma on the uncovered Truckwell floor. Maximum air activity was **ND** DAC-hr Alpha and **ND** DAC-hr FP detected on job sample in Truckwell, source air sample in the Airlock, and the boundary air sample in the Truckwell Airlock vestibule. The Canberra CAM in the Truckwell Airlock showed no increase in air activity during the job. The Truckwell airlock was removed from ARA after a full 30 minute count cycle on the Canberra CAM showed no increase in air activity.
All workers were surveyed prior to removing respiratory protection with ND dpm Alpha and BG / 100 cm2 detected.
The Truckwell Airlock was reposted as a "DANGER/ CA / HRA."

SWB & Overpack Drum Survey.

All smears on SWB's and the Overpack Drum was <20 d/m alpha and <200 d/m bg / 100 cm2.

SWB'S

WMAPSWB593 36 mREM/HR ext. with 28 mrem/hr neutrons AND 20 mREM/HR WB with 15 mrem/hr neutrons.
WMAPSWB594 22 mREM/HR ext. with 20 mrem/hr neutrons AND 11 mREM/HR WB with 10 mrem/hr neutrons.
WMAPSWB595 14 mREM/HR ext. with 8 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.
WMAPSWB596 17 mREM/HR ext. with 10 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons
WMAPSWB597 40 mREM/HR ext. with 25 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.
WMAPSWB598 29 mREM/HR ext. with 18 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.

Overpack Drum

SR522596A 276 mREM/HR ext. with 260 mrem/hr neutrons AND 120 mREM/HR WB with 110 mrem/hr neutrons.

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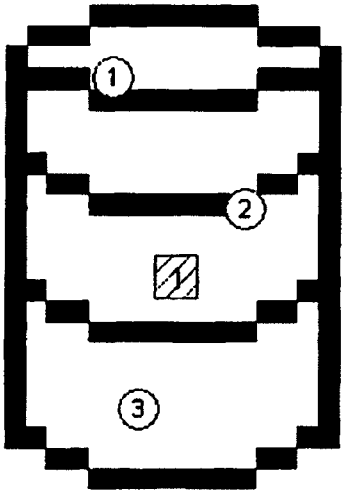
VSDS Standard Map RSLS

Map: 3	TRUCKWELL BLANK MAP	Survey #: CANY-M-20130307-5	Date/Time: 03/07/2013 07:33

1 Drum

DR 1
E276
120

DR 2
E260η
110η



Comments:	Summary Of Highest Readings (All available values may not be listed)	
	mrem/hr	All Smears/Wipes
	3) <20 DPM/100 cm2 α 3) <200 DPM/100 cm2 β/γ	Wipe 1) ND DPM/Wipe α Wipe 1) ND DPM/Wipe β/γ
Type: Job Coverage		
Symbols (symbols on example only) RWP #: 13-HCA-122 15 Smear 15 Direct Probe Large Area DR Dose Rate 15 Air Sample		
Unless otherwise noted, dose rates in mrem/hr.		
Lead Inspector: WOOD, JAMES MACKLIN	Status: Approved by: WILLIAMS, SHANNON ERNEST, 03/07/2013	
Location Code: H221000 HCA	Bldg/Area Name: TRUCKWELL	
Location Description: BLANK MAP		

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C116
Waste Stream Number(s): SR-RH-221H.01, SR-RH-221H.02 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ Correspondence ☐ Discrepancy Resolution ☐ Miscellaneous ☐ Internal Procedure or Note ☐ Published Document or Controlled Database ☐ Unpublished Data
Title or Description of Source Document [a] : Record of Communication with Mike Mobley	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Whitworth, November 20, 2002	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR2, PR4, PR7, WS4, WS7, WS9, S7	Throughout	Taken Verbatim from Attachment 2 - Record of Communication Mr. Mobley worked as an engineer in two of three Old HB-Line processes, Scrap Recovery (primarily) and Plutonium Oxide. History - Scrap material came to the CSMO (Central Scrap Management Office operated at SRS) from several other DOE sites, including SRS PUFF (Plutonium Fuel Fabrication facility), Los Alamos (predominantly), Mound, and possibly Argonne National Labs. EU/Pu scrap came from Hanford and possibly ANL-E. Recovered U went back and forth between SRS and Oak Ridge. Mr. Mobley left before D&R of the Old B Line commenced. Most of the material produced went to the PUFF and/or space programs, including Multi Hundred Watt. However, they also developed material for the Milliwatt program, which was defense-related. Recovered U was recycled in the Reactor Recycle Program and used for fuel in SRS reactors Waste Generating Activities - Building huts was a major waste generator because almost anything out of HB-Line was TRU because of the specific activity of Pu-238 (small gram amount results in relatively high Ci amount). Scrap recovery activities resulted in relatively large amounts of contamination. Glove and equipment changeouts, decontamination of the outside of shipping containers (flashlight tubes) with weak nitric acid and wipes, and HEPA changeouts every 6-18 months (as well as smaller HEPA filters) also generated relatively large quantities of TRU waste. The Np line did have some anion resin, but Special Recovery did not. Soda ash or kitty litter was often poured into pails to neutralize any excess liquid acid that might have been present. Mr. Mobley was unfamiliar with cleanup/decon efforts. Frames were located in the Canyon, not in the B-Line.
WS8, WS9, WS12, S7	1	Major chemicals used in Scrap Recovery were nitric acid, aluminum nitrate, and potassium fluoride – they did not use hydrofluoric acid directly, though HF vapors may have been generated in the process. In the Np and oxide lines, Hydrazine, ascorbic acid, oxalic acid (used as a precipitant), and sodium permanganate were used. Aerosol paint cans may also be in the waste. Lead-lined gloves were disposed as TRU, but probably not fluorescent bulbs or PCB-containing equipment. Major electrical equipment was not located inside of the cabinets, nor did Mr. Mobley remember using oils or having hydraulic equipment in Scrap Recovery or in the Pu Oxide line. One of the condensers did use Freon. Alkaline batteries could be present

CCP RECORDS ORIGINAL
DATE REC'D 11-16-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C116
AK # [b]	**Source Doc. Page # [c]**	**AK Information Summary**
		associated with flashlights. Finally, hydrogen peroxide was used to clean filtered stainless steel metal filters. Did not remember the use of cadmium, chromium, or mercury in or around Scrap Recovery. There was some lead shielding, as well as WEP shielding, but this probably was not TRU, including some large forms that stood in front of gloveboxes and would have had to be size-reduced in order to be removed. Did not remember using calcium, sodium, magnesium, or phosphorous metals, although he stated that they could have been contaminants in scrap. Ethylene glycol was used for leak testing of "flashlight" shipping containers. From the tank leak accident, they did have to remove liquids from sumps and remove remaining material with shovels.
WS11, S7, S16	2	Two kinds of scrap were dissolved: Pu-238 scrap with 75-80% Pu-238; and EU/Pu (enriched U [with >20% U-235] and Pu [with 50-80% Pu-239 from fuel fabrication]). Material with > 30% U-235 went to HB-Line. Mr. Mobley did not have any knowledge of a Th campaign. Following a major tank leak into sumps, they did clean up "a lot of sludge" with various uranium and plutonium isotopes (including U-233, U-235, Pu-238, and Pu-239). Pu-238 was loaded into flashlight-shaped shipping containers. He could not remember any other major isotopics and stated that the scrap declarations gave assay results/isotopic ratios for incoming material and that there was no fixed ratio of isotopics in the Scrap Recovery waste.
WS8, WS9, S7, S16	2	Mr. Mobley was not involved in packaging, but believes that there was a bag coming out of the gloveport and a bag in the receiving pail, resulting in a maximum of 2 layers. However, he was not very familiar with this process. Compressed gas cylinders were not prohibited inside of the gloveboxes, but they were too big to put into 5-gallon pails. There was an Oxygen-16 exchange effort with Mound. They did try to avoid putting liquids in waste. There were not explosives or sealed containers > 4liters packaged in waste. However, Mr. Mobley recalled one case of U scrap contaminated with Zr and nitric acid; for this material, formation of a UZr3 intermetallic complex, a shock-sensitive compound, was possible. This compound was not problematic if oxidized.

Source Document Data Limitations (if any):

1. Unclear about operations in the other two lines (Np and Oxide lines) and with packaging and spill cleanup/decon operations

Acceptable Knowlege Expert:

Sherry Auckland , Date: 11/5/2012

Print **/Sign**

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

DIVIDER PAGE ONLY

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Attachment 2 – Record of Communication

Waste Stream Numbers: SR-W027-221H-HET, SR-W027-HBL-Box, SR-W027-221H-HEPA	Corresponding Source Document #: C116	
Interviewer: J. Whitworth, A. Hallman, W. Estill	Date: 11/20/02	Time: 11:00 am
Interviewee: Mike Mobley	Group/Organization: Old HB-Line Job Title: Engineer, Scrap Recovery	Phone:952-3042 (803) Email: mike.mobley@srs.gov
Subject: TRU Waste Generation in Old HB-Line		

Summary: Mr. Mobley worked as an engineer in two of three Old HB-Line processes, Scrap Recovery (primarily) and Plutonium Oxide.

History

Scrap material came to the CSMO (Central Scrap Management Office operated at SRS) from several other DOE sites, including SRS PUFF (Plutonium Fuel Fabrication facility), Los Alamos (predominantly), Mound, and possibly Argonne National Labs. EU/Pu scrap came from Hanford and possibly ANL-E. Recovered U went back and forth between SRS and Oak Ridge. Mr. Mobley left before D&R of the Old B Line commenced.

Most of the material produced went to the PUFF and/or space programs, including Multi Hundred Watt. However, they also developed material for the Milliwatt program, which was defense-related. Recovered U was recycled in the Reactor Recycle Program and used for fuel in SRS reactors.

Waste Generating Activities

Building huts was a major waste generator because almost anything out of HB-Line was TRU because of the specific activity of Pu-238 (small gram amount results in relatively high Ci amount). Scrap recovery activities resulted in relatively large amounts of contamination. Glove and equipment changeouts, decontamination of the outside of shipping containers (flashlight tubes) with weak nitric acid and wipes, and HEPA changeouts every 6-18 months (as well as smaller HEPA filters) also generated relatively large quantities of TRU waste. The Np line did have some anion resin, but Special Recovery did not. Soda ash or kitty litter was often poured into pails to neutralize any excess liquid acid that might have been present. Mr. Mobley was unfamiliar with cleanup/decon efforts. Frames were located in the Canyon, not in the B-Line.

Chemical

Major chemicals used in Scrap Recovery were nitric acid, aluminum nitrate, and potassium fluoride - they did not use hydrofluoric acid directly, though HF vapors may have been generated in the process. In the Np and oxide lines, Hydrazine, ascorbic acid, oxalic acid (used as a precipitant), and sodium permanganate were used. Aerosol paint cans may also be in the waste. Lead-lined gloves were disposed as TRU, but probably not fluorescent bulbs or PCB-containing equipment. Major electrical equipment was not located inside of the cabinets, nor did Mr. Mobley remember using oils or having hydraulic equipment in Scrap Recovery or in the Pu Oxide line. One of the condensers did use Freon. Alkaline batteries could be present associated with flashlights. Finally, hydrogen peroxide was used to clean filtered stainless steel metal filters.

 C116

Did not remember the use of cadmium, chromium, or mercury in or around Scrap Recovery. There was some lead shielding, as well as WEP shielding, but this probably was not TRU, including some large forms that stood in front of gloveboxes and would have had to be size-reduced in order to be removed. Did not remember using calcium, sodium, magnesium, or phosphorous metals, although he stated that they could have been contaminants in scrap. Ethylene glycol was used for leak testing of "flashlight" shipping containers.

From the tank leak accident, they did have to remove liquids from sumps and remove remaining material with shovels.

Radiological

Two kinds of scrap were dissolved: Pu-238 scrap with 75-80% Pu-238; and EU/Pu (enriched U [with >20% U-235] and Pu [with 50-80% Pu-239 from fuel fabrication]). Material with > 30% U-235 went to HB-Line. Mr. Mobley did not have any knowledge of a Th campaign. Following a major tank leak into sumps, they did clean up "a lot of sludge" with various uranium and plutonium isotopes (including U-233, U-235, Pu-238, and Pu-239). Pu-238 was loaded into flashlight-shaped shipping containers. He could not remember any other major isotopics and stated that the scrap declarations gave assay results/isotopic ratios for incoming material and that there was no fixed ratio of isotopics in the Scrap Recovery waste.

Packaging

Mr. Mobley was not involved in packaging, but believes that there was a bag coming out of the gloveport and a bag in the receiving pail, resulting in a maximum of 2 layers. However, he was not very familiar with this process. Compressed gas cylinders were not prohibited inside of the gloveboxes, but they were too big to put into 5-gallon pails. There was an Oxygen-16 exchange effort with Mound. They did try to avoid putting liquids in waste. There were not explosives or sealed containers > 4liters packaged in waste. However, Mr. Mobley recalled one case of U scrap contaminated with Zr and nitric acid; for this material, formation of a UZr3 intermetallic complex, a shock-sensitive compound, was possible. This compound was not problematic if oxidized.

Further contacts
Tom Reilly – now at WSMS – was a process support Engineer in HB-Line (might know about any Th campaigns

Joe Dixon (now retired)

Doug Melton – may have kept old records

Chip McClard re: tank leak event into sumps in the late 1970s.

Data Limitations: Not very familiar with operations in the other two lines (Np and Oxide lines). Also not very familiar with packaging and spill cleanup/decon operations.

Acceptable Knowledge Expert: Julia Whitworth Date: 3/1/03

Attachment 2 – Record of Communication

Waste Stream Numbers: SR-W027-221H-HET, SR-W027-HBL-Box, SR-W027-221H-HEPA	Corresponding Source Document #: C116	
Interviewer: J. Whitworth, A. Hallman, W. Estill	Date: 11/20/02	Time: 11:00 am
Interviewee: Mike Mobley	Group/Organization: Old HB-Line Job Title: Engineer, Scrap Recovery	Phone:952-3042 (803) Email: mike.mobley@srs.gov
Subject: TRU Waste Generation in Old HB-Line		

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Data Limitations: Not very familiar with operations in the other two lines (Np and Oxide lines). Also not very familiar with packaging and spill cleanup/decon operations.

Acceptable Knowledge Expert: Julia Whitworth Date: 3/1/03

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Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
C116	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~560~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-6-09	4-29-09	2
N/A	- Record of Communication with Mike Mobley	November 20, 2002	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☒	Sheri Knott (Signature)	SHERI KNOTT (Printed Name)	7-10-09 (Date)
Records Rejected ☐	(Signature)	(Printed Name)	(Date)

Reason for Rejection:

Re-submittal:	(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3084
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/10 14:51
USAGE T	00'23
PGS. SENT	1
RESULT	OK

Controller Copy

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
C116	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~568~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. 5-6-09	4-29-09	2
N/A	- Record of Communication with Mike Mobley	November 20, 2002	N/A

Comments

Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☒ Sheri Knott SHERI KNOTT 7-10-09

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C105
Waste Stream Number(s): SR-RH-221H.01, SR-RH-221H.02 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ Correspondence ☐ Discrepancy Resolution ☐ Miscellaneous ☐ Internal Procedure or Note ☐ Published Document or Controlled Database ☐ Unpublished Data
Title or Description of Source Document [a]: Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Whitworth, A. Hallman, W. Estill, S. Fevig, J. Lunsford, November 20, 2002	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR4, WS6, S7	1	HB-Line was part of the TRU Waste Certification Program. They had to become compliant with the 1S Manual and were audited in 1988/89. Under this program, they had to do better segregation of waste and package and characterize it to meet program requirements. They started characterizing their waste in '87 or '88 and began to segregate mixed waste from all other waste.
WS9, S16	1	Much more painting was required in the old B-line. They began to D&R the old HB-Line in the mid 1980s under H-Canyon procedures; much of the waste went into black boxes. Cabinets being removed were wrapped in plastic and taped closed. Whole cabinets were removed and "what was in there [hand tools, etc.] stayed there," although no motors were present in the gloveboxes, only hand tools. Cabinets were then placed in wood boxes and finally in a black boxes. They did not cut up large gloveboxes, just had larger black boxes made to hold them. This operation used a lot of plastic sheeting and tape. After cabinets were removed, rooms were decontaminated.
WS4, WS11	1	Contamination events that may have generated TRU waste included the following:· 1. During the '90s in the Calibration Lab in the third level old vault, a bag in a 5-gallon pail of Pu-238 waste that was being transferred to a drum liner had a hole in it.· 2. Reused EP-61 (flashlight) shipping container was contaminated and unleashed "a whole lot of Pu-238.". 3. Throughout 1980s, events such as glove failures or leaks.· 4. Phase III startup in 1987· 5. Various problems in Scrap Recovery because it was built to run for six months and actually ran 16 years. In particular, Neoprene glovebox gaskets covering the points where cabinets joined together would fail. This generated Np sweepings that were collected and put through Scrap Recovery.
PR2, WS7	2	Most work was NASA-related. Pu-239 reworking in Scrap Recovery may have been defense, especially FB-Line sweepings worked in 1985 and 2001; 410-South old B-line gloveboxes are still Pu-239-contaminated. Galileo, Ulysses, & Voyager were space-related projects. Pu-238 received from the USSR was dissolved in Scrap Recovery and processed through Cassini (at SRS in Phase III) to Idaho, Mound, and Russia. The Cassini project was concerned with radiological sabotage. Most of the funding for old HB-Line came from DOE or NASA, mostly DOE. Some Pu-238 was used in old Navy diving suits; new B-Line Scrap Recovery got its start recovering Pu-238 from inside of these suits. The material processed was brought up from the

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TE REC'D 11-16-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C105
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		Old HB-Line.
PR4, WS4, WS8, WS9	2	Anything from inside of a glovebox was considered TRU. Windows were replaced; in old B-Line, they were Lexan/plexiglass panels; in new B-line, they were glass, sometimes with leaded glass. Some of these would be in boxed waste; they replaced about two leaded glass windows in 20 years, as well as Plexiglas windows. They tried to minimize use of combustibles due to fire considerations. Neutralization kits were also generated and consisted of spill pillows and usually acidic process water mixed with soda ash. They did not build as many huts as in FB-Line; the rate was about 5 huts per year, probably because it was easier to replace equipment in the new HB-Line than in the old B-Line. Hut wastes > 150,000 dpm/ft2 were considered to be TRU. Old HB-Line had sumps with no flush system; new HB-Line sumps have a nitric acid flush. Sump cleanouts are infrequently of liquids. There is some contaminated oil in sumps due to hydraulic systems in the Np line; these are absorbed in liter bottles. Old B-Line sumps were not cleaned as often as in New B-Line. Generally, cabinets were cleaned out and sumps were flushed out between isotopic campaigns. HEPA filters are also TRU waste. In new B-Line, the larger 24" x 24" filters are packaged in polyboxes and have been changed out 5-6 times since new B-Line began operating. The 12" x 12" HEPA filters are changed out more frequently and are packaged with other job control waste. Construction of the new B-Line did not generate TRU waste except for the addition of two new vessels on the fourth floor. D&R waste did go out as of the facility as part of the H-Canyon waste stream in black boxes.
PR4, WS4, WS11	2, 4	Old B-Line sumps were not cleaned as often as in New B-Line, but sumps were usually flushed out and cleaned between isotopic campaigns; cabinets were wiped down, and everything was removed. Phase III had to be kept clean to meet impurity specifications. Waste streams contaminated with different isotopics are segregated; for example, Np-237 waste is separated from Pu-238 waste. Currently, HB-Line is free of Np-237 and instead is generating Pu-239. Received Pu-238 from the USSR with "a lot of cerium in it." It was dissolved in Scrap Recovery and small amounts were stored in the vault. This material was processed through Cassini in Phase III and then went to Idaho, Mound (but not Hanford), and LANL, where it was used to fabricate generators. Scrap Recovery made some low-assay stuff. There was a Pu-242 campaign with < 100% Pu-242. When completing Burial Ground Records, they used some 83 and 50 codes for variety of contamination (for Pu-238 and Pu-239, respectively). This practice ended (when 29-90 forms began to be used). They may have used some neptunium codes (would be 82) but did not recall using U-235 codes (20) even for Old B-Line, although there was an EU campaign in 1985 in the south line of the old B-Line. The Pu-238 limit was 4-6 grams per drum. They could not recall a Th campaign and stated that U-235 was processed "before our time." Np sweepings were run through Scrap Recovery
WS4, WS8, WS9	2	Other waste-generating activities: ·1. Changeout of the Phase III pump, in which the whole pump was pulled out and cut up elsewhere so that it would fit in drums.·2. Decontamination efforts associated with hut jobs and glove failures (generated a lot of waste, especially plastic suits)·3. Infrequent changeouts of DOWEX resins in old B-Line only (after many dilution washes). In the new B-Line, resins are now liquefied and sent to the Canyon.·4. Glove changeouts (they are in the last year moving away from leaded gloves toward Hypalon). Gloves were packaged separately from other waste in their own drums.·5. Lab-line activities. The waste handling line was converted to a lab line, which generated TRU lab waste such as poly bottles, sample vials, pipettes, and sample vial holders. Liquid samples were absorbed in Oil Dry and bagged out.
WS9	3	In old HB-Line Scrap Recovery the major TRU waste types generated were pumps, valves, Nylobraid hoses, gloveport gloves, polypropylene filter media, paint, and carbon steel and stainless steel tools. In the Np facility, major waste types were PVC sleeves, sphincter-type gloves, PVC pipe machined on one end, gloves (made by Central Research), rubber O-rings, plastic supports, and poly bottles. Plastic suits were also a major waste constituent, as well as RDZ fire-retardant paper (came on rolls 3.5-4 feet wide), which they could roll up and throw away

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C105
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		if it became contaminated. WEP shielding would probably not go out in TRU waste, but as low-level waste in B-25 boxes.
WS8, WS12	3	Hydrazine (mononitrate) was used at 28-33% in both the old and new B-Lines in the Oxide Line. It is also used in Pu-239 processing in Phase II currently. In addition to major process chemicals, chemicals could be added by funnel addition in a process room; gloveboxes in these areas had inside and outside funnels. In particular, hydrazine was pumped out of a 55-gallon drum in Cold Feed into a poly bottle and hand-carried down to the cabinet, where it was added by funnel. Operators segregated mixed waste from all other waste under the Certification program in the late 1980s. At some point, a site wide program listed Blue Dot chemicals like Magnaflux; they tried to find substitutes fro Blue Dot chemicals. Nothing with a Blue Dot was used in the cabinets or huts; however, White Dot chemicals were safe to use. They did start to segregate solvent rags out of TRU waste and place them in separate drums. Ascorbic/oxalic acids were used instead of solvents; as a result, there should not be any solvent-contaminated kimwipes and swipes. Talk with Larry Gelder re: a drum of solvent rags sent out as other than TRU waste. Decon agents included SC-200 degreaser (highly caustic), Clorox, EZ-Off (stopped using during the late 1980s), Magnaflux (used to clean welds), although some of the interviewees could not remember leaking welds on flashlight shipping containers (and Magnaflux was replaced by a chemical called SKF); and Spot Check (Magnaflux) dye penetrate. Other trade-named chemicals used were Strip Cote and ALARA strippable coating, which was used on the inside of gloveboxes during D&R. Freon was used, but only as a refrigerant; it was used very seldom only on old B-Line. Because the refrigeration units were in RBAs, if there was any Freon-contaminated material, it would only be LLW. Freon definitely was not used for decontamination. The only other solvents/chemicals they could remember using were possibly Trichloroethylene (if it was in Magnaflux) and acetone, which as used to clean the edges of "Mipple M" wall covering panels in rooms (not in gloveboxes). They ripped out this wall covering at one point for fire protection purposes.
WS8, WS12, S16	3-4	There were no fluorescent bulbs disposed as TRU, and Mr. Roberts stated that there were no fixtures inside of gloveboxes, only outside. They are currently collecting bulbs to send out as Universal waste, which also suggests that they are not radioactive. Also, there was no glass inside gloveboxes even in old B-Line. In the new B-line lighting fixtures have stickers identifying lighting fixture PCB content. There were no oils used that might have contained PCB except possibly in the Np line. Probably no batteries were used even in flashlights, which were not needed. Ethylene glycol may have been used in the Cassini era. Leaded gloves were segregated into their own drums as far back as 1982 and were limited to two gloves per waste cut due to heaviness. Some leaded aprons were also used in the B-Line. No other heavy metals were used except for Cd, which was used in the vent system between filters as a neutron absorber but should not be in TRU waste. According to Mr. Roberts, aerosol cans were very limited inside of the gloveboxes and so are likely only present in low-level waste; if any were TRU, they were punctured, according to Ms. Bush. Some probably will be found; they did receive some drums back during the Certification Program. Aerosol cans, liquids, and other prohibited items were excluded from waste drums when the WAC [Waste Acceptance Criteria] came out in about 1987. Items prohibited beginning at this time included pyrophorics, liquids, particulates, flammable liquids, aerosol cans, and resins. There should be no compressed gas cylinders, liquids, explosives, or sealed containers > 4 liters in TRU waste drums. Any uncontainerized liquid present could be condensation due to the heat generation of Pu-238.
S16	4	The Waste Handling Line was never used. Waste was bagged out of the lines in 5-gallon cans or a 30-gallon gray tub, which was primarily used for 12x12 HEPA filters (and any other waste too big for 5-gal cans) so that they could be assayed. Waste cuts came out of gloveboxes in a polyethylene bagport bag (Layer 1), placed in a 5-gallon pail with a bag in it (Layer 2) (this practice may have varied in Old B-Line), and assayed. Some waste cuts went directly into drum liners that also had a plastic bag (Layer 3). They could package up to nine cuts into a single drum liner. There could be a fourth layer if RCO (RadCon Operations) detected some

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C105
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		contamination. Five-gallon pails may have been placed directly into drum liners (with a hole punched in the lid) if the waste cut bag was found to be contaminated; however, pail lids are never crimped shut, only taped. Filter vents have always been required, except that old galvanized drums were not vented. Vents were also placed in drum liners. Polyshim tape was used on waste boxes.

Source Document Data Limitations (if any):

1. Information on prevalence of hut waste contradicts other sources.
2. Interviewees were most familiar with the new B-Line.

Acceptable Knowlege Expert:

Sherry Auckland, Date: 11/5/2012

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – Record of Communication

Waste Stream Numbers: SR-W027-221H-HET, SR-W027-221H-HEPA, SR-W027-HB-Black Box, SR-W026-221H-HET-A, SR-W026-221H-HET-B, SR-T001-221H-HEPA	Corresponding Source Document #: C105	
Interviewer: J. Whitworth, A. Hallman, W. Estill, S. Fevig, J. Lunsford	Date: 11/20/02	Time: 11:00 am
Interviewees: Gary Roberts, Bettie Bush, Martha Minor	Group/Organization: New HB-Line Job Title: Operators	Phone: Roberts 208-3161 Email:
Subject: TRU Waste Generation in New HB-Line		

Summary: Ms. Bush was a Np operator from 1982-85 and has worked in new HB-line since 1987, where she is currently the GCO (generator certification official). Ms. Minor has worked in HB-Line for about 20 years both as an operator and in materials handling. Mr. Roberts has worked in HB-Line since 1980, first on all three lines in old HB-Line, next during the building of the new HB-Line, then during D&R, and finally on new B-Line.

History

HB-Line was part of the TRU Waste Certification Program. They had to become compliant with the 1S Manual and were audited in 1988/89. Under this program, they had to do better segregation of waste and package and characterize it to meet program requirements. They started characterizing their waste in '87 or '88 and began to segregate mixed waste from all other waste.

Radiation coatings and shielding on walls were improved in new HB-Line. Much more painting was required in the old B-line.

They began to D&R the old HB-Line in the mid 1980s under H-Canyon procedures; much of the waste went into black boxes. Cabinets being removed were wrapped in plastic and taped closed. Whole cabinets were removed and "what was in there [hand tools, etc.] stayed there," although no motors were present in the gloveboxes, only hand tools. Cabinets were then placed in wood boxes and finally in a black boxes. They did not cut up large gloveboxes, just had larger black boxes made to hold them. This operation used a lot of plastic sheeting and tape. After cabinets were removed, rooms were decontaminated.

Contamination events that may have generated TRU waste included the following:

- One in the '90s in the Calibration Lab in the third level old vault in which a bag in a 5-gallon pail that was being transferred to a drum liner had a hole in it. The contaminant was Pu-238.
- EP-61 (flashlight) shipping container incident in which a reused container was contaminated and unleashed "a whole lot of Pu-238."
- Throughout 1980s, events such as glove failures or leaks.
- Phase III startup in 1987
- Various problems in Scrap Recovery because it was built to run for six months and actually ran 16 years. In particular, Neoprene glovebox gaskets covering the points where cabinets joined together would fail. This generated Np sweepings that were collected and put through Scrap Recovery.

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Defense-related materials: Most work was NASA-related. Pu-239 reworking in Scrap Recovery may have been defense, especially FB-Line sweepings, worked in 1985 and 2001; 410-South old B-line gloveboxes that are still Pu-239-contaminated. Galileo, Ulysses, & Voyager were space-related. Pu-238 received from the USSR was dissolved in Scrap Recovery and processed through Cassini (at SRS in Phase III), Idaho, Mound, and Russia. The Cassini project was concerned about radiological sabotage. Most of the funding for old HB-Line came from DOE or NASA, mostly DOE. Some Pu-238 was used in old Navy diving suits; new B-Line Scrap Recovery got its start recovering Pu-238 from inside these suits. The material processed was brought up from the Old HB-Line.

Waste Generating Activities

Anything from inside of a glovebox was considered TRU. Windows were replaced; in old B-Line, they were Lexan/plexiglass panels; in new B-line, they were glass, sometimes with leaded glass. Some of these would be in boxed waste; they replaced about two leaded glass windows in 20 years, as well as Plexiglas windows. They tried to minimize use of combustibles due to fire considerations. Neutralization kits were also generated and consisted of spill pillows and usually acidic process water mixed with soda ash. **Vacuum transfers from tanks accounted for about 95% of waste generation from old HB-Line Scrap Recovery.?**

They did not build as many huts as in FB-Line; the rate was about 5 huts per year, probably because it was easier to replace equipment in the new HB-Line than in the old B-Line. Hut wastes > 150,000 dpm/ft2 were considered to be TRU.

Old HB-Line had sumps with no flush system; new HB-Line sumps have a nitric acid flush. Sump cleanouts are infrequently of liquids. There is some contaminated oil in sumps due to hydraulic systems in the Np line; these are absorbed in liter bottles. Old B-Line sumps were not cleaned as often as in New B-Line. Generally, sumps were flushed out and cleaned between isotopic campaigns. Cabinets were wiped down, and everything was removed. Phase III had to be kept clean to meet impurity specifications.

HEPA filters are also TRU waste. In new B-Line, the larger 24" x 24" filters are packaged in polyboxes and have been changed out 5-6 times since new B-Line began operating. The 12" x 12" HEPA filters are changed out more frequently and are packaged with other job control waste.

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- Changeout of the Phase III pump, in which the whole pump was pulled out and cut up elsewhere so that it would fit in drums.
- Decontamination efforts associated with hut jobs and glove failures (generated a lot of waste, especially plastic suits)
- Infrequent changeouts of DOWEX resins in old B-Line only (after many dilution washes). In the new B-Line, resins are now liquefied and sent to the Canyon.
- Glove changeouts (they are in the last year moving away from leaded gloves toward Hypalon). Gloves were packaged separately from other waste in their own drums.
- Lab-line activities. The waste handling line was converted to a lab line, which generated TRU lab waste such as poly bottles, sample vials, pipettes, and sample vial holders. Liquid samples were absorbed in Oil Dry and bagged out.

Construction of the new B-Line did not generate TRU waste except for the addition of two new vessels on the fourth floor. D&R waste did go out as of the facility as part of the H-Canyon waste stream in black boxes.

Physical

In old HB-Line Scrap Recovery the major TRU waste types generated were pumps, valves, Nylobraid hoses, gloveport gloves, polypropylene filter media, paint, and carbon steel and stainless steel tools. In the Np facility, major waste types were PVC sleeves, sphincter-type gloves, PVC pipe machined on one end, gloves (made by Central Research), rubber O-rings, plastic supports, and poly bottles. Plastic suits were also a major waste constituent, as well as RDZ fire-retardant paper (came on rolls 3.5-4 feet wide), which they could roll up and throw away if it became contaminated. WEP shielding would probably not go out in TRU waste, but as low-level waste in B-25 boxes.

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Hydrazine (mononitrate) was used at 28-33% in both the old and new B-Lines in the Oxide Line. It is also used in Pu-239 processing in Phase II currently. In addition to major process chemicals, chemicals could be added by funnel addition in a process room; gloveboxes in these areas had inside and outside funnels. In particular, hydrazine was pumped out of a 55-gallon drum in Cold Feed into a poly bottle and hand-carried down to the cabinet, where it was added by funnel.

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According to Mr. Roberts, aerosol cans were very limited inside of the gloveboxes and so are likely only present in low-level waste; if any were TRU, they were punctured, according to Ms. Bush. Some probably will be found; they did receive some drums back during the Certification Program. Aerosol cans, liquids, and other prohibited items were excluded from waste drums when the WAC [Waste Acceptance Criteria] came out in about 1987. Items prohibited beginning at this time included pyrophorics, liquids, particulates, flammable liquids, aerosol cans, and resins. There should be no compressed gas cylinders, liquids, explosives, or sealed containers > four liters in TRU waste drums. Any uncontainerized liquid present could be condensation due to the heat generation of Pu-238.

Radiological

They have kept the waste streams contaminated with different isotopics segregated; for example, Np-237 waste is separated from Pu-238 waste. Currently, HB-Line is free of Np-237 and instead is generating Pu-239. Received Pu-238 from the USSR with "a lot of cerium in it." It was dissolved in Scrap Recovery and small amounts were stored in the vault. This material was processed through Cassini in Phase III and then went to Idaho, Mound (but not Hanford), and LANL, where they were used to fabricate generators. Scrap Recovery made some low-assay stuff. There was a Pu-242 campaign with < 100% Pu-242. Gloveboxes were cleaned out between campaigns, lines were flushed, and all waste was removed. Phase III had to be kept clean due to impurity specifications.

When completing Burial Ground Records, they used some 83 and 50 codes for variety of contamination (for Pu-238 and Pu-239, respectively). This practice ended (when 29-90 forms began to be used). They may have used some neptunium codes (would be 82) but did not recall using U-235 codes even for Old B-Line, although there was an EU campaign in 1985 in the south line of the old B-Line. The Pu-238 limit was 4-6 grams per drum.

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Np sweepings were run through Scrap Recovery.

Packaging

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Further contacts
Bob Smith for knowledge of black box waste.
Larry Gelder re: a drum of solvent rags sent out as other than TRU waste.
Melvin Weathersby re: the Blue Dot program
Carol Ryberg and Ray Wolcaucus (sp?) re: Lab Line.
Joe Dickson
J.O. Fraser
Frank Loudermilk (was the old B-Line facility manager)
Mike Green, Frank Lustig, and Sherrill Hammer

Data Limitations: Most of the information is applicable strictly to new HB-Line except as indicated.

Acceptable Knowledge Expert: Julia W. Hunt Date: 3/1/03

Attachment 2 – Record of Communication

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Np sweepings were run through Scrap Recovery.

Packaging

The Waste Handling Line was never used. Waste was bagged out of the lines in 5-gallon cans or a 30-gallon grey tub, which was primarily used for 12x12 HEPA filters (and any other waste too big for 5-gal cans) so that they could be assayed. Waste cuts came out of gloveboxes in a polyethylene bagport bag (Layer 1), placed in a 5-gallon pail with a bag in it (Layer 2) (this practice may have varied in Old B-Line), and assayed. Some waste cuts went directly into drum liners that also had a plastic bag (Layer 3). They could package up to nine cuts into a single drum liner. Drum liners were sealed with an old red glue (Racyohesive?). There could be a fourth layer if RCO (RadCon Operations) detected some contamination. Five-gallon pails may have been placed directly into drum liners (with a hole punched in the lid) if the waste cut bag was found to be contaminated; however, pail lids are never crimped shut, only taped. Filter vents have always been required, except that old galvanized drums were not vented. Vents were also placed in drum liners. Polyshim tape was used on waste boxes.

Further contacts
Bob Smith for knowledge of black box waste.
Larry Gelder re: a drum of solvent rags sent out as other than TRU waste.
Melvin Weathersby re: the Blue Dot program
Carol Ryberg and Ray Wolcaucus (sp?) re: Lab Line.
Joe Dickson
J.O. Fraser
Frank Loudermilk (was the old B-Line facility manager)
Mike Green, Frank Lustig, and Sherrill Hammer

BEST AVAILABLE
on 11/7/12

Data Limitations: Most of the information is applicable strictly to new HB-Line except as indicated.

Acceptable Knowledge Expert: Julia W. Hunt Date: 3/1/03

BEST AVAILABLE
CD 11/7/12

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
C105	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~560~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. 5-6-09	4-29-09	4
N/A	CCP-TP-005, Rev. 10 - Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor	November 20, 2002	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted	☑	Sonia Gonzalez (Signature)	SONIA GONZALEZ (Printed Name)	07.09.09 (Date)
Records Rejected	☐	Signature	Printed Name	Date

Reason for Rejection: N/A

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2952
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/09 12:14
USAGE T	00'19
PGS. SENT	1
RESULT	OK

Controlled Copy

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

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N/A	CCP-TP-005, Rev. 10 - Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor	November 20, 2002	N/A

Comments

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Acceptance/Rejection Signature and Date

Records Accepted ☑ Sonia Gonzalez SONIA GONZALEZ 07.09.09

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-RH-221H.01

Site(s): Savannah River Site	Source Document Tracking Number: P052
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Supporting Information	Category: ☐ Published Document or Controlled Database ☐ Unpublished Data ☑ Internal Procedure or Note ☐ Correspondence ☐ Discrepancy

Title of Source Document: Drum Retrieval from TRU Pads 2-6 (U)

Source Document Reference Information (author(s), document and revision number, date, publisher): 643-E-58, Q-R-S-NCSC, Revisions 0, 4, August 13, 1997

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR4	Rev. 0, Throughout	Flowchart of retrieval operating procedures. This is to be used by Solid Waste Operations (SWO) for retrieval of suspect mixed TRU waste drums stored on TRU pads 2-6.
WS12	Rev. 4 (August 13, 1997), pp. 8-10	IF drum / overpack is from HB-Line, THEN, AFFIX labeling to opposite sides of drum with the following information: "HB-Line" Waste Codes, F001, F002, F003, F005, D001, D003, D006, D007, D008, D019, D022, D029, D039, D040, D043, U002, U043, U044, U078, U079, U108, U134, U154, U209, U210, U211, U226, U228.

Source Document Data Limitations (if any):

1. *No date is given for Rev. 0.*

Acceptable Knowlege Expert:

Travis Smith / Date: 4/29/2009

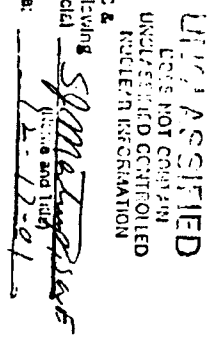
Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

PC-5
P052 P054
BL 11/27/02

PROCEDURE
643-E-58 Q-R-S-NCSC
REVISION-0

DRUM RETIEVAL FROM TRU PADS 2-6 (U)



ORIGINAL

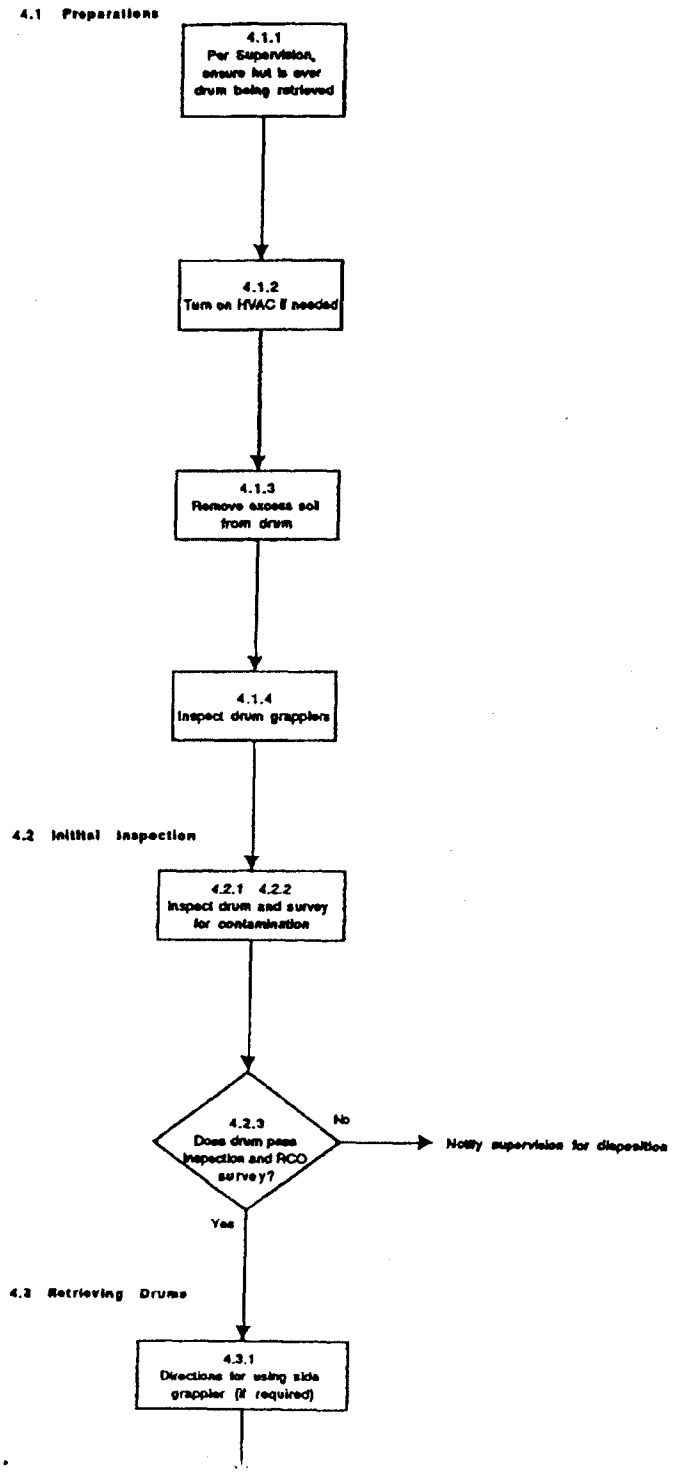
PROCEDURE SCOPE

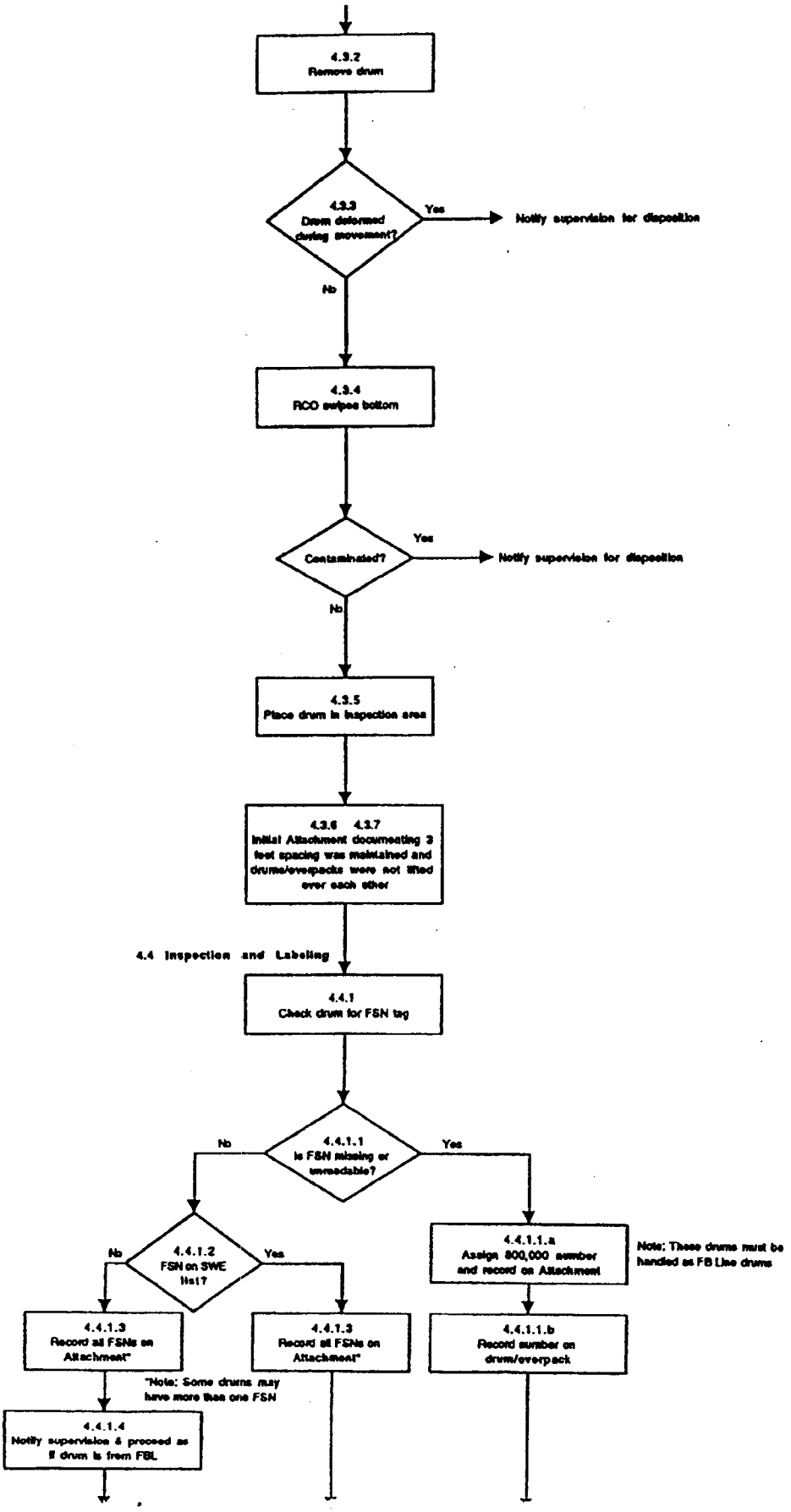
THIS PROCEDURE WILL BE USED BY SOLID WASTE OPERATIONS (SWO) FOR RETRIEVAL OF SUSPECT MIXED TRU WASTE DRUMS STORED ON TRU PADS 2-6.

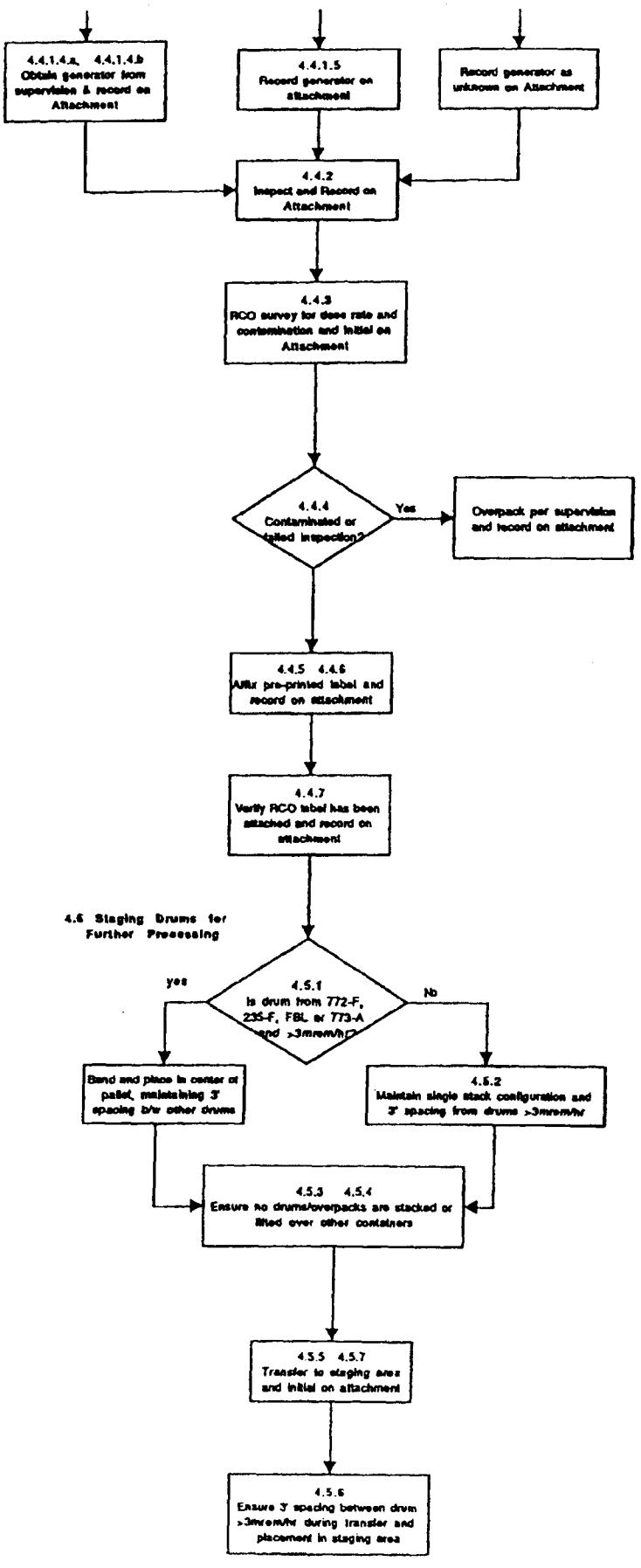
FLOWCHART-RETRIEVAL OPERATING PROCEDURE

Prior to beginning the procedure, most of the soil has been removed from on top of the containers. Pad 6 was never mounded with soil over the containers.

*Important notes in the general information section:
-all drum/overpacks must be on permitted space at the end of the day
-Ruptured drums and major spills will be addressed per EOP-SW-02 and EOP-SW-03.
-A log will be maintained with missing or unidentifiable File Sequence Numbers (FSNs)




4.3.2
Remove drum
4.3.3
Drum deformed during movement?
Yes
Notify supervision for disposition
No
4.3.4
RCO swipes bottom
Contaminated?
Yes
Notify supervision for disposition
No
4.3.5
Place drum in inspection area
4.3.6 4.3.7
Initial Attachment documenting 3 feet spacing was maintained and drums/overpacks were not lifted over each other
4.4 Inspection and Labeling
4.4.1
Check drum for FSN tag
4.4.1.1
Is FSN missing or unreadable?
No
Yes
4.4.1.2
FSN on SWE list?
No
Yes
4.4.1.a
Assign 800,000 number and record on Attachment
Note: These drums must be handled as FB Line drums
4.4.1.3
Record all FSNs on Attachment*
4.4.1.3
Record all FSNs on Attachment*
4.4.1.1.b
Record number on drum/overpack
*Note: Some drums may have more than one FSN
4.4.1.4
Notify supervision & proceed as if drum is from FBL


4.4.1.4.a, 4.4.1.4.b
Obtain generator from supervisor & record on Attachment
4.4.1.5
Record generator on attachment
Record generator as unknown on Attachment
4.4.2
Inspect and Record on Attachment
4.4.3
RCO survey for dose rate and contamination and initial on Attachment
4.4.4
Contaminated or failed inspection?
Yes
Overpack per supervision and record on attachment
4.4.5 4.4.6
Affix pre-printed label and record on attachment
4.4.7
Verify RCO label has been attached and record on attachment
4.6 Staging Drums for Further Processing
4.5.1
Is drum from 772-F, 235-F, FBL or 773-A
yes
No
Band and place in center of pallet, maintaining 3' spacing b/w other drums
4.5.2
Maintain single stack configuration and 3' spacing from drums >3mrem/hr
4.5.3 4.5.4
Ensure no drums/overpacks are stacked or lifted over other containers
4.5.5 4.5.7
Transfer to staging area and initial on attachment
4.5.6
Ensure 3' spacing between drum >3mrem/hr during transfer and placement in staging area

11/27/02 (P052) (R03)

643-E-58 Q-R-S-NCSC	Revision 4 Effective Date: 8/13/97 Category UET
DRUM RETRIEVAL FROM TRU PADS 2-6 (U)	Manual SW 15 SWO Page 1 of 14

Change Bars (|) denote revision to incorporate IPC# 724-9790. IPC# 724-9794

DOES NOT CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
ADC & Reviewing Official [signature] SWF (Initials and Title)
Date: 12-17-01

1.0 INTRODUCTION

1.1 Purpose

To provide instructions for retrieval of soil covered Transuranic ~~(TRU) Waste~~ drums stored on TRU pads 2-6.

1.2 Scope

This procedure will be used by Solid Waste Operations (SWO) for retrieval of suspect Mixed TRU Waste drums stored on TRU pads 2-6.

2.0 PRECAUTIONS AND LIMITATIONS

1. This procedure contains Technical Safety Requirements (S) and Nuclear Criticality Safety Controls (NCSC) steps and shall not be changed without Solid Waste Safety Compliance (SWSC) approval. If any of these steps are compromised, Procedure 643-E-34 S, "Notification of Potential Technical Safety Requirements (TSR) Violations (U)" shall be immediately initiated.

2. This procedure contains technical requirements and shall not be changed without the cognizant engineer(s) approval. These steps are identified as:
   - R Regulatory (SWEC)
   - Q Process Hazard (SWE)

3. If radiation rates of greater than 100 mrem/hr at 30 cm is detected, work will be suspended until Procedure 643-E-30 and RWP are completed. Do not leave containers unbarricaded.

4. RCO will provide coverage when handling drums with rates >5 mrem/hr at 30 cm.

5. Wear leather gloves and toe protection when manually manipulating drums/overpacks.

6. Do not attempt to catch a falling drum, rather let it fall and notify supervision.

7. Safety glasses are required during soil removal.

2.0 PRECAUTIONS AND LIMITATIONS (cont.)

R 8 Radio contact with the Solid Waste Disposal Facility (SWDF) communications center is required while working on the TRU pads.

9. To avoid accidents, never activate the clamping function Maxi-Grip Model 6157 while the forklift is in motion.

10. At least one dome door should be open during forklift operations.

Q 11. Cover or remove exposed ends of drum spacers to prevent contact by personal or equipment.

12. Attachment 1 is used to track each drum being retrieved and may be reproduced as many times as needed.

13. All overpack drums are placed in a designated location. Overpack drums are processed through vent and purge on a campaign basis.

R-Q 14. All drums/overpacks must be on a permitted pad at the end of the day.

S 15. This procedure applies only to retrieval of drums from pads 2-6. Containers on pad 1 shall not be uncovered. Exposing the sides of containers on pad 1 in order to retrieve pad 2 drums is acceptable.

S 16. The Mound Lab culverts located on pad 2 shall not be moved without approval from SWE.

17. If at any time during the performance of this procedure a drum is ruptured, stop work, notify supervision and perform EOP-SW-002, "Emergency Response to a Ruptured Container in the Solid Waste Department (U)" or EOP-SW-003,"Emergency Response to a Major Spill in the Solid Waste Department (U)", as directed by supervision.

18. Maintain a log of drums with missing or unidentifiable FSN's using 800,000 series numbers during retrieval.

Q 19. Minimize manual handling of TRU drums whenever possible.

Q 20. Buried TRU drums/overpacks have been exposed by removing as much dirt as possible from the top of the waste containers with earth moving equipment.

2.0 PRECAUTIONS AND LIMITATIONS (cont.)

Q 21. Utilize an independent spotter, when using heavy equipment, to remove dirt from topsides of pad.

R 22. Drums/Overpacks are required to be labeled on two opposite vertical sides of the container, approximately 180 degrees apart, on the upper half of the container.

23. Periodic Industrial Hygiene survey for fumes from fork trucks are required when fork truck is used inside covered pad.

3.0 PREREQUISITES

R 1. HAZWOPER and RCRA training is required of all personnel handling Mixed TRU Waste.

2. Nuclear Criticality and TSR training is required of all personnel handling TRU Waste.

Q 3. The following tools will be needed to perform this procedure:

- Spark proof shovels
- Valley Craft Self Powered Maxi-grip Drum Grapplers
- T&S Equipment Co. Forklift Boom with WESCO Drum Grapplers
- Diesel Forktruck
- MINI-RAE (Model PGM - 76 IS)

R 4. Prior to performing survey of soil with MINI-RAE, the MINI-RAE must be properly "SET UP" by SWE or SWEC.

4.0 PROCEDURE

> NOTE: Section 4.1 through 4.6 may be performed independently and/or concurrently.

4.1 PREPARATION FOR RETRIEVAL

1. **ENSURE** all prerequisites have been met, **AND**
   INITIAL on Attachment 1.

2. **ENSURE** MINI-RAE set-up is correct (based on info from SWE or SWEC), **AND CALIBRATE** MINI-RAE with CAL. Gas Bottle.

3. **RECORD** MINI-RAE serial number and calibration date on Attachment 1.

4. IF heat or cooling is required, **THEN**
   START the Koolkart Mobile Air Conditioning unit as follows:

   a. **INSPECT** the air filters for cleanliness and **REPLACE** as needed.

   b. **TURN** HVAC unit power **"ON"** (disconnect switch Z-11).

   c. **VERIFY** the green "Phase Sequence Correct" pilot light located on control panel is ON.

   d. **PLACE** "Heat/Fan/Cool" switch to "Fan" position.

   e. **PRESS** "Start" push button.

   f. **PLACE** "Heat/Fan/Cool" switch to "Heat"/Fan/Cool" position, as desired.

   g. When desired or upon completion of work, **PRESS** "Stop" push button.

   h. **TURN** HVAC unit power **"OFF"** (disconnect switch Z-11).

5. IF the Maxi-Grip Model 6157 is being used, **THEN**

   ENSURE its operation as follows:

   - No leaks
   - No excess wear on rubber lined jaws.

4.2 SURVEY SOIL AROUND TRU DRUMS FOR VOC's

NOTE:	Detection of Volatile Organic Compounds (VOCs) may indicate the presence of a breached container.

R 1. **SURVEY** soil for VOC's with MINI-RAE in area where TRU Drums are to be retrieved.

NOTE:	If any alarm condition exists, it will be indicated by a bright flashing red LED and beeping.

R 2. **VERIFY** no alarms are displayed,

a. **IF** an alarm exists, **THEN**

STOP work and **NOTIFY** RCO/SWO supervision for direction.

b. **IF** no alarm exists, **THEN**

CONTINUE with Step 4.2.3.

c. **INITIAL** in space provided on Attachment 1 for either condition.

Q 3. **Using** spark proof shovels, small brooms or rags, **REMOVE** excess soil from drum area, as required.

4.3 INITIAL INSPECTION OF TRU DRUMS

NOTE:	An overpack is a 83 gallon or 110 gallon drum with adequate capacity to store a breached, damaged or contaminated 55 gallon drum.

Q-R-S 1. Prior to each drum movement, **INSPECT** visible portion of drum for degradation or loss of structural integrity (bugles, large dents, cracks, excessive corrosion) to ensure drums can be moved safely. **INITIAL** on Attachment 1.

Q 2. **REQUEST** RCO check accessible area of drum for contamination.

3. **IF** contamination is found or the drum/overpack cannot be removed safely, **THEN**

STOP work, **NOTIFY** RCO/SWO supervision for direction.

4.4 RETRIEVING TRU DRUMS

1. IF the Maxi-Grip Model 6157 is being used, **THEN**

   a. **ACTIVATE** clamping pressure by depressing the "on" switch and "clamp" switch at the same time. **GRIP** drums in the center or upper portion at all times.

   b. Visually **MONITOR** drum to prevent crushing during clamping.

2. **REMOVE** drum from stack.

3. IF a drum is deformed during clamping, **THEN**

   NOTIFY Supervision.

4. As a minimum, have RCO **OBTAIN** swipe from bottom of drum,

   IF contamination is found or the drum/overpack cannot be removed safely, **THEN**

   STOP work, **NOTIFY** RCO/SWO supervision for direction.

Q-R-S 5. **INSPECT** bottom of drum, **AND**

   INITIAL on Attachment 1.

   IF inspection of bottom of drum is unacceptable, **THEN**

   NOTIFY supervision.

6. **PLACE** drum in inspection area.

NCSC

7. **MAINTAIN** a minimum of three feet surface to surface spacing from all containers. **INITIAL** on Attachment 1.

8. **ENSURE** drum/overpack is **NOT** lifted over other containers in inspection area. **INITIAL** on Attachment 1.

4.5 INSPECTION AND LABELING OF TRU DRUMS

NOTE: Drums with missing or unreadable FSN tags should be handled as FB Line drums. The waste generator should be listed as unknown on Attachment 1.

1. **CHECK** drum for presence of FSN tag and **PERFORM** the following:

   a. **IF** FSN tag is missing or unreadable, **THEN**

      - **ASSIGN** 800,000 series number and **RECORD** on Attachment 1.
      - **RECORD** number on drum/overpack.
      - **GO TO** Step 4.5.2.

   b. **IF** FSN tag is present, **THEN**

      VERIFY FSN number is on drum retrieval list from SWE.

   c. **IF** more than one FSN number is present, **THEN**

      RECORD all FSN numbers on Attachment 1.

   d. **IF** FSN number is **NOT** on drum retrieval list, **THEN**

      NOTIFY supervision.

NOTE: The following step may be performed at any time during the remainder of this procedure.

      1. **OBTAIN** waste generator from supervision, **AND**

         RECORD on Attachment 1.

      2. **GO TO** Step 4.5.2.

   e. **IF** FSN number is on drum retrieval list, **THEN**

      RECORD waste generator on Attachment 1.

4.5 INSPECTION AND LABELING OF TRU DRUMS (cont.)

NOTE: Steps 2 and 3 may be performed concurrently or out of order.

R 2. **INSPECT** drum for the following, **AND**

RECORD inspection results on Attachment 1.

- Are wet or damp spots on drum/overpack?
- Are there any signs of damage, degradation or loss of structural integrity (bugles, large dents, cracks, excessive corrosion)?

3. **REQUEST** RCO perform radiological surveys of the drum/overpack for dose rate and any further contamination surveys as needed. **RECORD** survey results on Attachment 1.

Q-S 4. IF contamination or any condition listed in Step 4.5.2 is found during RCO survey, **THEN**

a. **STOP** work

b. **NOTIFY** RCO/SWO supervision for direction

c. **OBTAIN** an approved container (overpack)

d. **OVERPACK** drum, per directions of RCO/SWO Supervision

e. **RECORD** on Attachment 1.

R 5. IF drum has FSN tag, **THEN**

AFFIX pre-printed label with the following information on opposite sides of each drum or overpack. **RECORD** completion on Attachment 1.

- "HAZARDOUS WASTE - State and Federal Laws Prohibit Improper Storage or Disposal"
- "RADIOACTIVE" Label
- "LDR" Label, (Land Disposal Restrictions)
- Waste Description, "Job Control Waste"

a. IF drum/overpack is from HB-Line, **THEN,**

AFFIX labeling to opposite sides of drum with the following information:

- "HB-Line"
- Waste Codes, F001, F002, F003, F005, D001, D003, D006, D007, D008, D019, D022, D029, D039, D040, D043, U002, U043, U044, U078, U079, U108, U134, U154, U209, U210, U211, U226, U228

4.5 INSPECTION AND LABELING OF TRU DRUMS (cont.)

b. **IF** drum/overpack is from FB-Line, **THEN,**

AFFIX labeling to opposite sides of drum with the following information:

- "FB-Line"
- Waste Codes, F001, F002, F003, F005, D001, D003, D005, D006, D007, D008, D009, D011, D018, D019, D022, D029, D039, D040, D043, U002, U019, U043, U044, U078, U079, U108, U133, U134, U151, U209, U210 U211, U226, U228, U239

c. **IF** drum/overpack is from 772-F, **THEN,**

AFFIX labeling to opposite sides of drum with the following information:

- "772-F"
- Waste Codes, F001, F002, F003, F004,, F005, D001, D003, D004, D005, D006, D007, D008, D009, D010, D011, D019, D021, D022, D026, D027, D028, D029, D035, D038, D039, D040, D043, U002, U004, U012, U031, U032, U037, U043, U044, U052, U056, U057, U070, U071, U072, U075, U077, U078, U079, U080, U105, U108, U112, U117, U121, U122, U123, U133, U134, U144, U151, U154, U159, U161, U162, U165, U170, U188, U196, U204, U209, U210, U211, U220, U226, U228, U239, P010, P011, P012, P015, P048, P058, P098, P105, P106, P113, P120

d. **IF** drum/overpack is from 235-F, **THEN,**

AFFIX labeling to opposite sides of drum with the following information:

- "235-F"
- Waste Codes, F001, F002, F003, F005, D001, D003, D006, D007, D008, D009, D011, D019, D022, D029, D039, D040, D043, U002, U043, U044, U078, U079, U108, U134, U151, U209, U210, U211, U226, U228, U239

4.5 INSPECTION AND LABELING OF TRU DRUMS (cont.)

e. IF drum/overpack is from 773-A, THEN,

AFFIX labeling to opposite sides of drum with the following information:

- "773-A"
- Waste Codes, F001, F002, F003, F005, D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D021, D022, D026, D027, D028, D029, D030, D039, D040, D043, U002, U003, U012, U019, U032, U037, U043, U044, U052, U057, U072, U075, U077, U078, U079, U080, U105, U108, U117, U122, U123, U133, U134, U151, U154, U162, U165, U170, U188, U209, U210, U211, U213, U220, U226, U228, U239, P010, P011, P012, P015, P048, P105, P106

R 6. IF 800,000 series drum, **THEN**

AFFIX pre-printed label with the following information on opposite sides of each drum or overpack. **RECORD** completion on Attachment 1.

- "HAZARDOUS WASTE - State and Federal Laws Prohibit Improper Storage or Disposal"
- "RADIOACTIVE" Label
- "LDR" Label, (Land Disposal Restrictions)
- Waste Description, "Job Control Waste"
- 800,000 series numbers

7. **VERIFY** RCO label has been affixed to all drums/overpacks, **AND RECORD** on Attachment 1.

NCSC

4.6 STAGING TRU DRUMS AND OVERPACKS FOR FURTHER PROCESSING

Q 1. **IF** the drum/overpack generator is unidentified or is from FB-Line or 772-F, **AND** the dose rate on contact is ≥30 mrem/hr, **THEN**

a. **ENSURE** the drum/overpack is in the center of the pallet.

b. **BAND** the drum/overpack on the pallet.

c. **MAINTAIN** a minimum of 1 ft. spacing, surface to surface, from other pallets and 3 ft. spacing, surface to surface, between other drums at all times.

Q-S 2. **IF** the drum/overpack is from FB-Line or 772-F, **AND** the dose rate on contact is 3 mrem/hr to 30 mrem/hr, **THEN**

a. Drums/Overpacks may be **PALLETIZED** and **STACKED** 2-tier.

b. **MAINTAIN** a minimum of 3 ft. spacing, surface to surface, from drums >30 mrem/hr on contact at all times.

Q-S 3. **IF** the drum/overpack is from FB-Line or 772-F, **AND** the dose rate on contact is <3 mrem/hr, **OR**

IF the drum/overpack is from HB-Line, 235-F or 773-A, **THEN**

a. Drums/Overpacks may be **PALLETIZED** and **STACKED** 3-tier.

b. **MAINTAIN** a minimum of 3 ft. spacing, surface to surface, from drums >30 mrem/hr on contact at all times.

4. **TRANSFER** drums/overpacks to staging area.

Q 5. **ENSURE** 3 ft., surface to surface, spacing is maintained between drums >30 mrem/hr on contact during movement and placement into drum/overpack staging area.

6. **INITIAL** Attachment 1 indicating completion of Section 4.6.

S 4.7 **ENSURE** mixed waste is segregated from non-hazardous TRU waste, **AND** **MAINTAIN** a minimum of 3 ft. aisle spacing between double pallet (4 drums wide) rows.

5.0 REFERENCES

The following documents were used to develop this procedure:

1. WSRC-TS-95-16, "Technical Safety Requirements, Savannah River Site, Solid Waste Management Facility"

TSR	Procedure Steps
5.5.2.6.1.e	4.5.4
5.5.2.6.1.f	4.3.1, 4.4.5, 4.5.4
5.5.2.6.3.h	2.15, 2.16
5.5.2.6.3.i REV-1	4.6.2, 4.6.3, 4.7

2. SWD-SWE-97-0216, Memo from M.W. Clary to D.S. Lambert, "Drum List for Pad 4 Retrieval"

3. SWD-TSD-97-0037, "Request for Page Change For PHR WSRC-PH-97-01 (U)"

4. WSRC-PH-97-09, "Process Hazard Report Periodic, Transuranic (TRU) Waste Drum Retrieval Operation (U)"
   - Recommendation 1 applies to Step 2.20.
   - Recommendation 2 applies to Step 2.21.

5. WSRC-PH-96-26, "Process Hazard Report, Preoperational, Solid Waste Facility Mounded Storage Pad Soil Removal and Dome Construction (U)"

6. WSRC-PH-97-01, "Process Hazard Report, Preoperational, Transuranic (TRU) Waste Drum Retrieval Operations (U)"
   - Action item 1 is deleted in response to the periodic PHR (Ref 6).
   - Action item 2 applies to Steps 3.3, 4.2.3.
   - Action item 4 applies to Step 2.19.
   - Action item 5 applies to Step 2.11.
   - Action item 7 applies to Step 2.14.
   - Action item 8 applies to Step 4.5.4.
   - Action item 9 applies to Steps 4.6.1, 4.6.2, and 4.6.5.
   - Action item 10 applies to Step 4.6.1.
   - Recommendation 1 applies to Steps 4.3.1, 4.3.2, 4.4.5, and 4.5.4.

7. 4A2: ECS-CRST-97-0002, "Criticality Safety of Solid Waste TRU Operations with Drums Suspected to Contain Significant Quantities of Plutonium (U)", Rev. 2

8. South Carolina Hazardous Waste Management Regulations

5.0 REFERENCES (cont.)

The following procedures are referenced for use in conjunction with this procedure:

1. EOP-SW-002, "Emergency Response to a Ruptured Container in the Solid Waste Department (U)"
2. EOP-SW-003, "Emergency Response to a Major Spill in the Solid Waste Department (U)"
3. 643-E-30, "Inspection and/or Entry Into Access Controlled High Radiation Areas for SWDF (U)"
4. 643-E-34 S, "Notification of Potential Technical Safety Requirements (TSR) Violations (U)"

6.0 RECORDS

When this procedure has been completed and reviewed, it becomes a record. It shall be processed in accordance with SW-QI-1171, "Records Management (U)".

7.0 APPENDICES

NONE

8.0 ATTACHMENT

1. TRU DRUM TRACKING RECORD

Prerequisites met
Step 4.1.1: _____

ATTACHMENT 1

Page ___ of ___

TRU DRUM TRACKING RECORD

R-S Initial Drum Inspection (Initial) 4.3.1	R-S Inspect bottom of drum (Initial) 4.4.5	NCSC Spacing (Initial) 4.4.7	NCSC Lifting (Initial) 4.4.8	FSN # 4.5.1	Generator Facility 4.5.1	R Drum Inspection Accepted (Y/N) 4.5.2	RCO Survey Results 4.5.3	S Overpack (Y/N) 4.5.4	R Labeling Affixed (Y/N) 4.5.5	4.5.6	RCO 4.5.7	S-NCSC Staging TRU Drums (Initial) 4.6

Procedure Completed By (Signature): _____
Printed Name: _____
Date: _____ Time: _____

Supervisor's Review (Signature): _____
Printed Name: _____
Date: _____ Time: _____

MINI-RAE Serial #: _____ Calibration Date: _____
Calibrate By (Print Name): _____
MINI-RAE Alarm: YES: _____ NO: _____
Survey Performed By (Print Name): _____
Comments: _____

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Not part of page count

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
P052	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~560~~ 598. The title of this Attachment 3 is listed below on the second line of this transmittal. 5-7-09	4-29-09	1
N/A	643-E-58, Q-R-S-NCSC - Drum Retrieval from TRU Pads 2-6 (U)	~~August 13, 1997~~	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

		Signature	Printed Name	Date
Records Accepted	☒	[signature]	SUZANNE KEATHLEY	[date]
Records Rejected	☐			

Reason for Rejection:

Re-submittal:

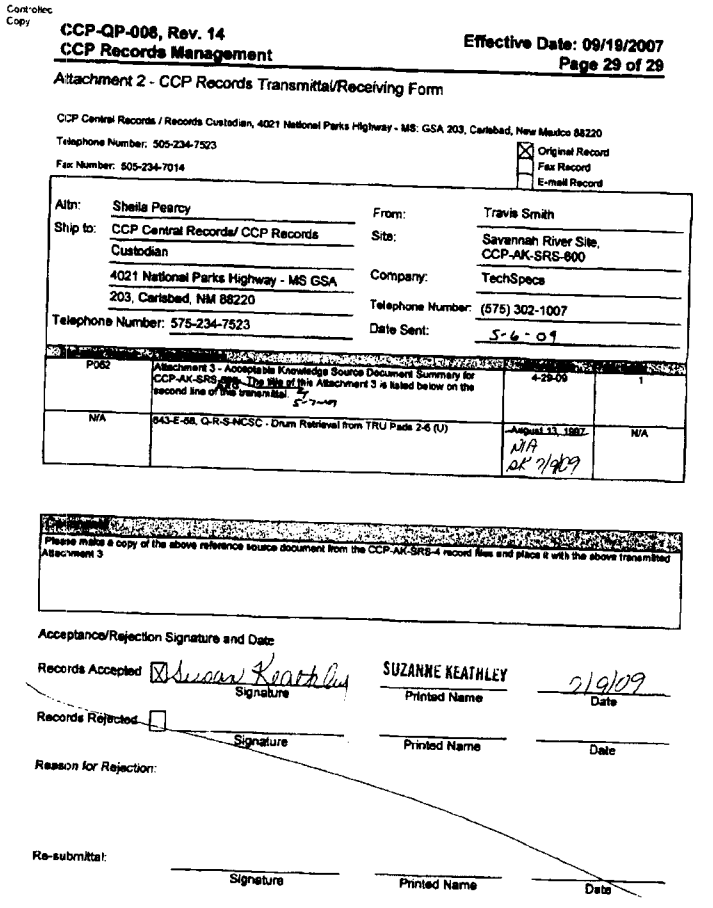
Signature	Printed Name	Date

HP Color LaserJet

Fax Confirmation Report

CCP RECORDS
5752347033
Jul-10-2009 6:52AM

Job	Date	Time	Type	Identification	Duration	Pages	Result
1602	7/10/2009	6:51:56AM	Send	92347056	0:45	1	OK



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CCP-QP-006, Rev. 14
CCP Records Management

Effective Date: 09/19/2007
Page 29 of 29

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220
Telephone Number: 505-234-7523
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☒ Original Record
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Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
Telephone Number:	575-234-7523	Telephone Number:	(575) 302-1007
		Date Sent:	5-6-09

P062	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-600. The title of this Attachment 3 is listed below on the second line of this transmittal. 5-7-09	4-29-09	1
N/A	643-E-68, Q-R-S-NCSC : Drum Retrieval from TRU Pads 2-6 (U)	~~August 13, 1987~~ N/A AK 7/9/09	N/A

Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date:

Records Accepted ☒ Susan Keathley — Signature — SUZANNE KEATHLEY — Printed Name — 7/9/09 — Date

Records Rejected ☐ — Signature — Printed Name — Date

Reason for Rejection:

Re-submittal: — Signature — Printed Name — Date

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PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-RH-221H.01

Site(s): Savannah River Site	Source Document Tracking Number: M037
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Supporting Information	Category: ☐ Published Document or Controlled Database ☐ Unpublished Data ☑ Internal Procedure or Note ☐ Correspondence ☐ Discrepancy

Title of Source Document: Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)

Source Document Reference Information (author(s), document and revision number, date, publisher): February 1997

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS8	1	Hazardous wastes stored on the TRU pads include lead, cadmium, mercury, spent solvent contaminated waste, and absorbed oil.
PR4	1	TRU pads 1-3 were covered with 3-ft of mounded dirt, a nylon reinforced PVC sheet, and 1-ft of soil sprayed with asphalt emulsion and seeded with Pensacola Bahai grass for erosion control. TRU pad 5 was covered with 3-ft of soil while TRU pads 4 and 6 were being recovered at the time of this document. Also describes Pads 1-2 construction.
PR1	2-3	Maps and diagrams of the TRU pads are given.
PR2, WS7, WS9	4	The waste stored on the TRU Waste Storage Pads consists of radioactive contaminated (plutonium, neptunium, americium, etc.) materials. Also, paper products, plastic sheeting, laboratory equipment, construction debris, soil, metal plates and large pieces of equipment. The majority of these wastes are produced from use associated with processing transuranic materials for national defense purposes.

Source Document Data Limitations (if any):

1. Not HB-Line specific.
2. Page numbers are not legible.
3. Unable to locate section G.2.

Acceptable Knowlege Expert:

Travis Smith / Travis Smith Date: 4/29/2009
Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

ORIGINAL

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Not part of page count

M037
ADC &
Reviewing
Official SJ Mathupson
Date: 1-12-01

CONTINGENCY PLAN

for

TRANSURANIC WASTE STORAGE PADS and EXPERIMENTAL TRU WASTE ASSAY FACILITY / WASTE CERTIFICATION FACILITY (ETWAF/WCF)

G.1 GENERAL INFORMATION

[REF: R.61-79.270.14(b)(7); 265.50 - 265.56]

The Transuranic (TRU) Waste Storage Pads, Experimental TRU Waste Assay Facility (ETWAF), and Waste Certification Facility (WCF) are part of the Solid Waste Disposal Facility (SWDF), Figure G-1. The locations of these facilities are shown on Figure G-2. Hazardous wastes stored on the TRU pads include lead, cadmium, calcium, mercury, spent solvent contaminated waste, and absorbed oil. Solid Waste Management Operations acts as custodian and controls access to the TRU Pads and ETWAF/WCF.

TRU Waste Storage Pads 1-3 are covered with 3 feet of mounded dirt compacted by driving a bulldozer over the top, a nylon reinforced PVC sheet, and 1 foot of soil sprayed with asphalt emulsion and seeded with Pensacola Bahai grass for erosion control. This covering is illustrated in Figure G-3. TRU Pad 5 is covered with 3 feet of bulldozer compacted soil. The drums on TRU Pads 4 and 6 are currently being retrieved from soil-covered storage. There is no soil remaining on Pad 6, and Pad 4 soil is currenlty being removed.

TRU Waste Storage Pads 7-19 are concrete pads with sumps at the end of each pad. These pads are fully operational. TRU Waste Storage Pads 14-17 have been roofed with a Rubb structural enclosure system (Figure G-4). This enclosure is described below with the pad descriptions. TRU Waste Storage Pads 7-13 and 18-19 are uncovered.

TRU Waste Storage Pad 1 and 2 construction: Reinforced concrete pad, 50 feet wide x 125 feet long x 8 inches thick. Each pad is sloped 1/4 inch per foot towards the centerline and 1/4 inch per foot towards one end where a low point liquid collection system is located. The liquid collection system consists of 6 inch schedule 40 carbon steel pipe leading from the pad low point to a 135-gallon reinforced concrete collection sump, with pump access.

9/97

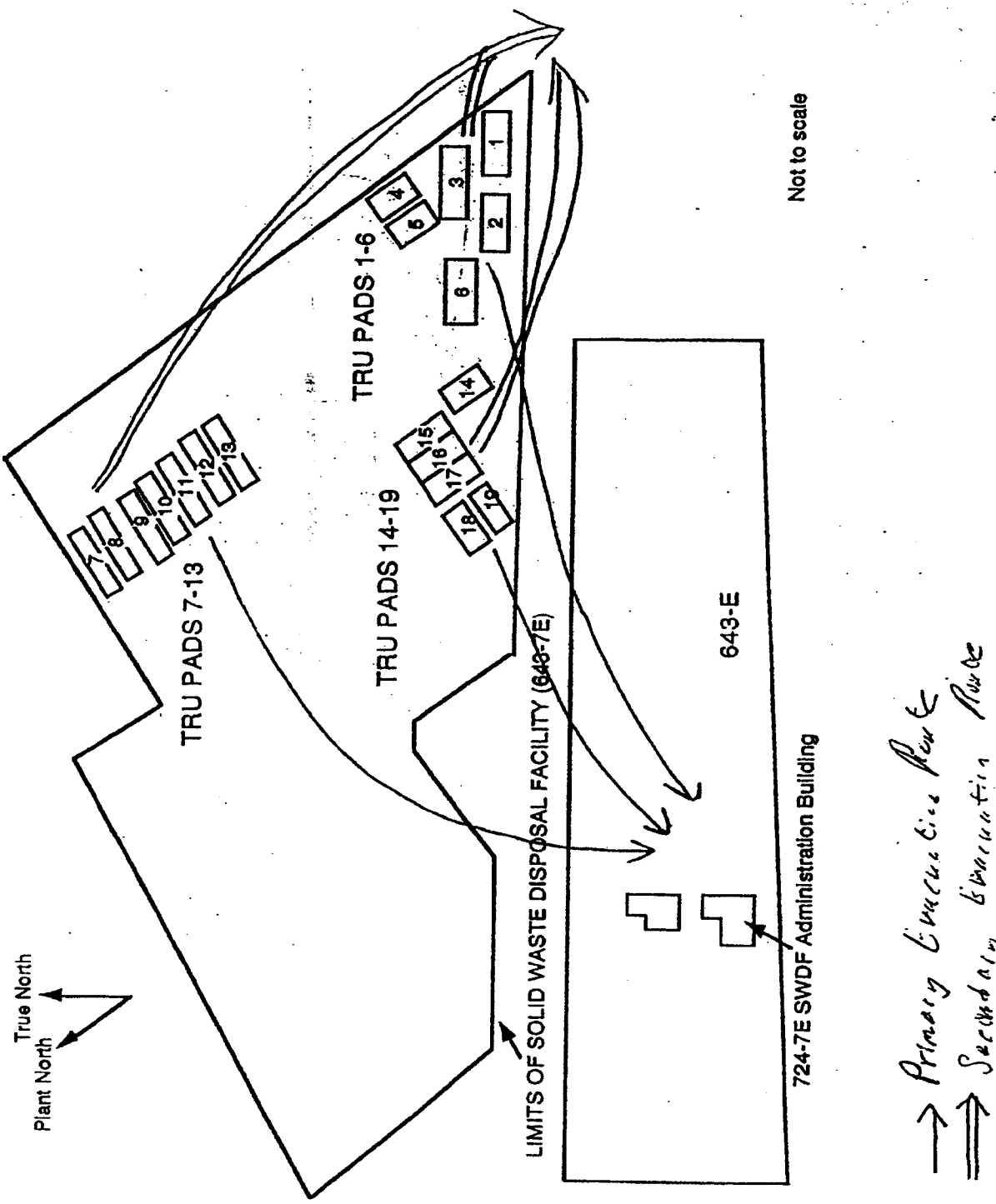

Figure G-2. Location of the TRU Pads Facility and Waste Certification Facility Within the Solid Waste Disposal Facility (SWDF)

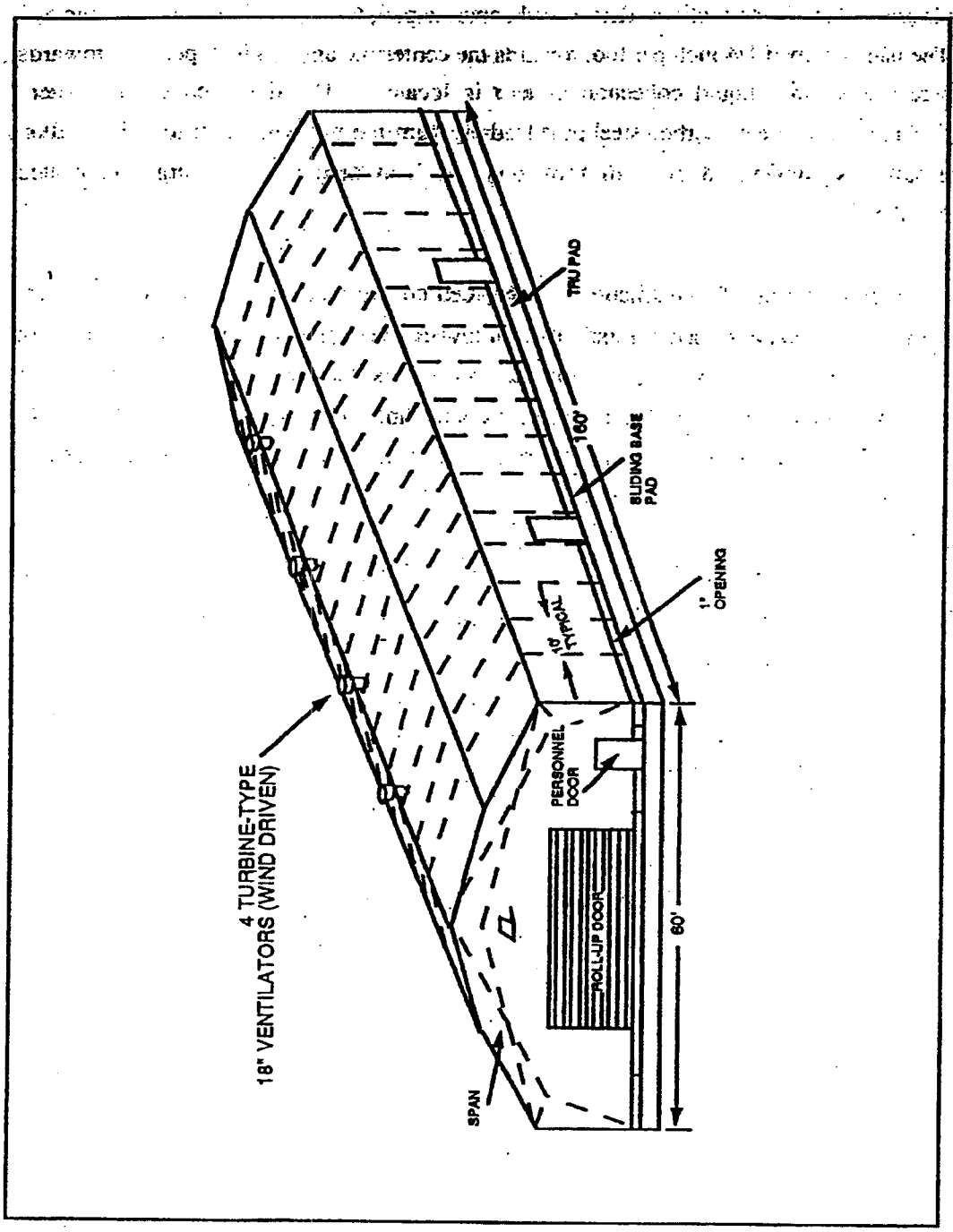

Figure G-4. TRU Waste Storage Pads Rubb Enclosure

TRU Waste Storage Pad is designed to store approximately 3,600 55-gallon drums with aisle spacing. Other types of containers (concrete, steel or polyethylene) with various capacities (40-1600 cubic feet) are also placed on the pads.

The waste stored on the TRU Waste Storage Pads consists of radioactive contaminated (plutonium, neptunium, americium, etc.) materials. The non-radioactive, non-hazardous portion of the waste within the containers consists of: paper products, plastic sheeting, laboratory equipment, construction debris, soil, metal plates and large pieces of equipment. The majority of these wastes are produced from use associated with processing transuranic materials for national defense purposes. The TRU waste is being stored until disposal facilities at the Waste Isolation Pilot Plant (WIPP), located in New Mexico, are available. Disposal of all contaminated mixed waste stored on the TRU Waste Storage Pads will be in accordance with all federal and state requirements.

The TRU waste storage pads are located within 643-7E, which is enclosed by a 7 foot high chain link fence. Access to the area within the fence is controlled via a main gate located adjacent to the administration Building 724-7E. Facility supervision for 643-7E has control of keys needed to enter the storage facility and must be contacted before entry is made. The gate is monitored by facility personnel during normal working hours to prevent unauthorized entry. During off-shift hours, the facility is monitored periodically by the plant security personnel.

The WCF, located in the SWDF, will be used to certify and package drums of TRU waste in preparation for shipment to WIPP. This will include drum coding, packaging, loading and shipping. (Certification means that the waste packages meet the Waste Acceptance Criteria established for WIPP.) The first phase of the WCF project, the ETWAF, began operations in 1986 and was restarted in 1995 after a five year stand-by due to maintenance activities and otehr equipement upgrades were completed. A floor plan of the ETWAF/WCF is shown in Figure G-5.

classifying the event and obtain the concurrence of the Site Environmental Protection Coordinator (SEPC) on the final classification.

List of Phone Numbers for Emergency Services at SRS

SRS Operations Center	3-3911, (72)5-2117
Security	3-3911
Fire Protection Department	3-3911
Ambulance (Medical)	3-3911, (95)2-4122
SRS Spill Response Team	(95)2-4097
Area Emergency Coordinator	(95)2-4001, (95)2-4265
Department of Energy (DOE) Emergency Contact	(72)5-3333

Note: The five digit numbers are for onsite use only. Seven digit numbers must be used when calling from offsite. The SRS-OC phone lines are recorded.

G.3 IMPLEMENTATION

[REF: R.61-79.265.52(a); 265.56(d)]

In the event of container rupture, fire, explosion, or any unplanned sudden or nonsudden release of hazardous materials, the individual who observes the emergency shall contact the FEC immediately be telephone or two-way radio. If the FEC determines that the incident could threaten human health or the environment, the FEC will implement the contingency plan. For fires, a report will also be made immediately to the Fire Protection Department (FPD) at Building 709-F by radio (KEB-3 X F) or by telephone (see list).

G.4 EMERGENCY RESPONSE PROCEDURES

NOTIFICATION

[REF: R.61-79. 265.56(a)]

In the event of an emergency at the TRU pads or WCF/ETWAF, the individual observing the emergency will immediately notify the FEC by telephone or two-way radio communication. The FEC will immediately notify all facility personnel by voice commands. The FEC will also immediately notify the SRS-OC and provide all available information concerning the event.

As shown in Figure G-6, the SRS-OC will function as the central control point for all communications and will notify the spill response team and security. In addition, the SRS-OC will contact the SEPC from the Environmental Protection Department (EPD), Department of Energy (DOE), and, if needed, the site's medical, fire, security, and Health Protection (HP) departments.

The Area Emergency Coordinator (AEC) will be notified if the incident affects the area outside the facility or if an incident occurs when the FEC is not onsite. If the FEC is not onsite, the AEC will make the same contacts as the FEC would.

The SWEC and the SEPC will determine if there has been an environmental release, and if needed, the SEPC will notify the South Carolina Department of Health and Environmental Control (SCDHEC), Georgia Department of Natural Resources, EPA Region IV, and DOE as described in this section.

The FEC for the TRU waste pads, WCF and ETWAF has access to the waste records necessary to identify the hazards posed to people and to the environment by the hazardous wastes involved in

any emergency incident. The FEC, the SWEC, the SEPC, and the SRS-OC have the responsibility for determining the hazard which the incident poses to personnel, for assessing the potential danger of the incident to the environment, and for directing the specific responses to be taken in the event of a fire, explosion, or release of hazardous wastes. In the event of a fire at the TRU pads or WCF/ETWAF, the FEC will provide information the Fire Protection Department to determine the appropriate fire fighting method (i.e., water or chemical) to be used.

Emergency response procedures are strongly influenced by the radioactivity of the waste materials. In the event of an incident, the levels of radioactivity released will be monitored by HP before appropriate actions are taken. HP will determine the proper emergency response procedures given the nature of the incident. In addition, HP will determine the necessary monitoring (including any air monitoring) around the solvent tanks during an incident.

IDENTIFICATION OF HAZARDOUS MATERIALS

[REF: R.61-79.265.56(b)]

The FEC will identify the characteristics of the release, fire, or explosion by observation, knowledge of contents, documented analytical information, or by directing that sampling and analysis be performed. SRS has laboratory facilities to perform air, water, and soil analysis to determine the nature of the release. The analysis and observations will be used to determine the waste characteristics, source, an estimate of the volume, and the areal extent of the release.

Any reactive waste stored on the TRU pads will be stored in culverts and labeled for emergency notification. Culverts containing calcium are labeled with the words "Waste Drums contain Reactive Calcium - Dangerous When Wet" for notification. These drums are stored in culverts to reduce the possibility of the waste contacting water in the event of an emergency.

HAZARD ASSESSMENT

[REF: R.61-79.265.56(c)]

Based on the material and the nature of the release, fire, or explosion, the FEC, the SWEC, and the SEPC, with assistance from HP, will assess the hazards to human health or the environment from the release. The assessment will consider both direct and indirect effects of the release, fire, or explosion. This includes hazardous gases, runoff, explosion potential, etc. The SRS-OC will contact the Spill Response Team, if necessary. The Spill Response Team will be notified if a large spill occurred that cannot be managed by SWO.

2. Notify appropriate local officials if evacuation of local areas is advisable. (Given the area of SRS, any evacuation of this sort is unlikely.)

3. Notifying EPA Region IV, as necessary.

A list of other agencies which may be notified in case of an emergency involving TRU Pads or WCF/ETWAF is given below.

* South Carolina Emergency Preparedness Division
* Georgia Department of Natural Resources (if there is a likelihood the emergency could impact human health or the environment in Georgia)
* Georgia Emergency Management Agency

These agencies will be notified as required by applicable regulations (i.e., Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Section 102). In the case of an emergency involving TRU Pads or WCF/ETWAF, the Spill Control Coordinator from EPD is responsible for providing the necessary notifications to these agencies.

PREVENTION OF RECURRENCE OR SPREAD OF FIRES, EXPLOSIONS, OR RELEASES
[REF: R.61-79.265.56(e)]

The causes of any accidental release of chemical to the environment will be investigated. Corrective action plans will be made by the FEC and his/her staff to prevent recurrence. Instructions and direction for reporting, investigating, and preventing the recurrence of accidental releases to the environment will follow EPA reporting guidelines.

The emergency equipment used in containment and cleanup will be decontaminated. The equipment will be steam cleaned, if necessary, or cleaned with an appropriate solvent to remove contamination. A pH check will be done and swipe samples will be taken to ensure that the equipment is free of any contamination and ready for use. The equipment will be maintained, reconditioned, and returned to service, or if necessary, replaced before operations are resumed. The SCDHEC will be notified that the storage facility and emergency equipment are ready to return to service before operations are resumed.

SURFACE IMPOUNDMENTS SPILLS, LEAKAGE, AND SUDDEN DROPS

[REF: R61.79-270.14(b)(7), 265.227]

The TRU Pads and WCF/ETWAF do not use surface impoundments; therefore, this section does not apply.

G.5 EMERGENCY EQUIPMENT

[REF: R.61-79. 265.322, 265.53(e)]

TRU WASTE STORAGE PADS, WCF/ETWAF EQUIPMENT

Because of the remoteness of the TRU waste storage pads, the low potential for an emergency and because the facility is normally unmanned, no emergency equipment is located in the immediate vicinity of the TRU waste storage pads. Two-way hand held radios are used to promptly notify and inform the FEC. Personal protective clothing requirements are determined by Health Protection personnel. Protective clothing is available at 724-11E and 724-13E.

Fire extinguishers and an alarm system, connected to the SRS Fire Department, provide the emergency equipment at the WCF/ETWAF. If Health Protection Department's assessment indicates that other equipment should be used, it will be brought to the WCF/ETWAF.

SITE-WIDE EQUIPMENT

In addition to the specific emergency equipment for the WCF/ETWAF, site-wide equipment is also available for TRU Pads and ETWAF/WCF, if needed. This includes Fire Protection Department, Medical Department, security force, and Spill Response Team equipment.

G.6 COORDINATION AGREEMENTS

[REF: R.61-79.265.37; 265.52 (c)]

The Savannah River Site produces special nuclear materials, primarily plutonium and tritium, to meet the requirements of the Nation's defense. Due to the classified nature associated with the production of these materials, the 300 square mile site is restricted from public access. Therefore, the site maintains its own Security Division, Fire Protection Department, Medical Department, and SRS-OC, all on a 24-hour-a-day, seven days a week. SRS also has a spill response team and emergency coordinators on call 24 hours a day, seven days a week.

The SRS policy is to remedy emergencies with SRS personnel, and the personnel and resources available are appropriate for the type of waste handled at SRS. Therefore, SRS has not arranged additional agreements with off-site organizations.

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Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
M037	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~560~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-7-09	4-29-09	1
N/A	- Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF) Section G.1 - G.6 only. TP 7/10/09	February 1997	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☒	Tami Parker (Signature)	TAMI PARKER (Printed Name)	7/10/09 (Date)
Records Rejected ☐	(Signature)	(Printed Name)	(Date)

Reason for Rejection: NA

Re-submittal:	(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3059
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/10 09:53
USAGE T	00'19
PGS. SENT	1
RESULT	OK

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	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
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Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
M037	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~600~~ 600P. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-7-09	4-29-09	1
N/A	- Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF) Section G.1 - G.6 only. TP 7/10/09	February 1997	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

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PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-RH-221H.01

Site(s): Savannah River Site	Source Document Tracking Number: C088
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Supporting Information	Category: ☐ Published Document or Controlled Database ☐ Unpublished Data ☐ Internal Procedure or Note ☑ Correspondence ☐ Discrepancy

Title of Source Document: Record of Communication – Interview of Mr. Odum and Mr. Maloney

Source Document Reference Information (author(s), document and revision number, date, publisher): J. Whitworth, December 4, 2001

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS12	1	SRS began to manage TRU mixed waste as RCRA beginning in June 1987. TRU and high-level radioactive wastes were the last to become managed as mixed waste under RCRA. Both RCRA and AEC regulations applied to TRU waste after 6/87.
PR4	1	A RCRA Part B permit for the TRU pads still has not been submitted but SRS plans to do so in about 2 years. A draft permit was prepared in 1993. Individuals connected with this effort include Steve Mertz, Cary Stephens (who is still around), Lind Karapatakis (who currently does the required quarterly reporting), and Monte Hawkins, who helped write the 1S Manual for Solid Waste Management. The RCRA Part A permit defines all possible chemical contaminants for two TRU waste streams: ·HW149 (Pads 1-5), and ·HW150 (Pads 6-13) (primarily post-1985 waste) The names are meaningless because these pads stored waste from all of the generators at SRS.
PR4, WS8	1	During the 1997-99 retrieval effort in which all of the drums that had been covered with earth above grade (on Pads 2-5 and part of 6) were unearthed, there was a regulatory question regarding what to do with the soil recovered along with the drums. The soil was screened for both radiological and chemical contaminants; however, there were very few leaking containers. Mr. Odum remembered that traces of Thallium were found in some cases, which was determined to be from an analytical process conducted in Building 772F. Of approximately 8000 drums retrieved, only 113 had to be overpacked because of poor condition. Bob Brookshire (2-2266) or Kim Wolf (EPD) may have more details about the soil sampling and results
PR4	1	FB-Line was performing construction upgrades during this time period (before 1986) to increase throughput of the line, improve Mechanical Line efficiency, etc. Works Technical Monthly Reports may be a source of information on these activities. They were formerly classified, but a high-level waste (HLW) engineer, Paul Dientremant, has recently obtained sanitized versions of some of the reports released. Documents may also be available via the PINT computer system, which has Du Pont-era documents. Fay Lewis of Technical Information Services may be of assistance.
S7	1	Information from site personnel.

ORIGINAL

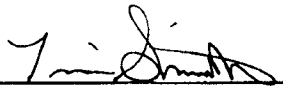
Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C088

Source Document Data Limitations (if any):

1. The EPD is in the process of making a hazardous waste determination for most of the waste, so they could not (at the time of the interview) tell us what hazardous waste numbers are applied to the waste.
2. There is no HB-Line specific information.

Acceptable Knowlege Expert:

Travis Smith /  Date: 4/29/2009

Print **/Sign**

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

DIVIDER PAGE ONLY

Not part of page count

Attachment 2- Record of Communication

Waste Stream Number: SR-W027-FB-PRE 86-C SR-W027-FB-PRE 86-NC	**Corresponding Source Document No:** ~~C82~~ C088	
Interviewer: W. Estill, B. Gutierrez, J. Whitworth, and S. Fevig	**Date:** December 4, 2001	**Time:** 9:00 am
Interviewee: B. Maloney (RCRA Permits Manager) and J. Odum (EPD Manager, formerly Environmental Coordinator for HB Line in 1982)	**Group/Organization:** Environmental Protection Department (EPD)	**Phone:** **E-mail:**

Subject: FB-Line TRU Waste Generated Prior to 1986

Summary:

SRS began to manage TRU mixed waste as RCRA beginning in June 1987. TRU and high-level radioactive wastes were the last to become managed as mixed waste under RCRA. Both RCRA and AEC regulations applied to TRU waste after 6/87.

The Solid Waste division may have changed its management of TRU waste in 1986 because they were trying to prevent generators from sending liquids in their TRU waste stream (Mr. Odum remembered that this had been a problem). Nothing changed in 1986 from a chemical usage perspective in FB-Line. A RCRA Part B permit for the TRU pads still has not been submitted but SRS plans to do so in about 2 years. A draft permit was prepared in 1993. Individuals connected with this effort include Steve Mertz, Cary Stephens (who is still around), Lind Karapatakis (who currently does the required quarterly reporting), and Monte Hawkins, who helped write the 1S Manual for Solid Waste Management. The RCRA Part A permit defines all possible chemical contaminants for two TRU waste streams:

- HW149 (Pads 1-5), and
- HW150 (Pads 6-13) (primarily post-1985 waste)

The names are meaningless because these pads stored waste from all of the generators at SRS.

During the 1997-99 retrieval effort in which all of the drums that had been covered with earth above grade (on Pads 2-5 and part of 6) were unearthed, there was a regulatory question regarding what to do with the soil recovered along with the drums. The soil was screened for both radiological and chemical contaminants; however, there were very few leaking containers. Mr. Odum remembered that traces of Thallium were found in some cases, which was determined to be from an analytical process conducted in Building 772F. Of approximately 8000 drums retrieved, only 113 had to be overpacked because of poor condition. Bob Brookshire (2-2266) or Kim Wolf (EPD) may have more details about the soil sampling and results.

FB-Line was performing construction upgrades during this time period (before 1986) to increase throughput of the line, improve Mechanical Line efficiency, etc. Works Technical Monthly Reports may be a source of information on these activities. They were formerly classified, but a high-level waste (HLW) engineer, Paul Dientremant, has recently obtained sanitized versions of some of the reports released. Documents may also be available via the PINT computer system, which has Du Pont-era documents. Fay Lewis of Technical Information Services may be of assistance.

Data Limitations:

1. The EPD still has not made a hazardous waste determination for most of the waste, so they could not tell us what hazardous waste numbers are applied to the waste. Suggested that we contact the Solid Waste Division/Cary Stephens.

Acceptable Knowledge Expert: Julia Whitworth, Julia Whitworth **Date:** 3/2/03
Print/Sign

ORIGINAL

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Not part of page count

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA	Company:	TechSpecs
	203, Carlsbad, NM 88220	Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
C088	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~560~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-6-09	4-29-09	2
N/A	- Record of Communication – Interview of Mr. Odum and Mr. Maloney	December 4, 2001	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☑	Signature	[illegible] GONZALEZ (Printed Name)	07.09.09 (Date)
Records Rejected ☐	Signature	Printed Name	Date

Reason for Rejection: N/A

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2910
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/09 10:08
USAGE T	00'19
PGS. SENT	1
RESULT	OK

Controlled Copy

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
C088	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~600~~ KPP. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-6-09	4-29-09	2
N/A	- Record of Communication – Interview of Mr. Odum and Mr. Maloney	December 4, 2001	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted [signature] SONIA GONZALEZ 07.06.09

Attachment 1 - Acceptable Knowledge Documentation Checklist

Site(s): Savannah River Site

Waste Stream Description: Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Building 643 G.

Waste Stream Number(s): SR-SWMF-HET-B

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information:			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1	Y	D001, D002, D019, D020, P037, P048, P049
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	PR2	Y	D001, D018, D020
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3	Y	D001, D018, D019, D020
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4	Y	C003, C078, D001, D002, D018, D019, M001, M003, M021, M022, P002, P022, P037, P048, P049, P050
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5	Y	C057, C061, C064, C065, C066, C072, C078, D019, M003, M021, M022, M025, P001, P037, P038, P039, P048, P049, P050
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6	Y	C003, C061, C077, M001, M003, M013, M021, M022, M029, P002
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7	Y	C003, C061, C063, C069, C070, C077, C078, D002, D003, D004, D005, D018, DR004, M001, M009, M013, M021, M022, M025, M029, P001, P003, P004, P005, P006, P007, P008, P009, P010, P039
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	PR8	Y	C077, D002, D003, D004, D005, M013, M027, P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P021, P022, P025, P032, P040, P041
Mandatory generator site TRU waste stream (WS)-specific information:			
Waste stream designation	WS1	Y	C003, C054, C061, C063, DR004, DR005

NTPC RECORDS ORIGINAL
DATE REC'D 10/22/13

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-SWMF-HET-B

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Area(s) and building(s) from which the waste stream was or is generated.	WS2	Y	C003, C008, C009, C056, C057, C058, C059, C061, C063, C064, C065, C066, C069, C070, C072, C077, C078, D001, D002, D003, D004, D005, D018, D019, D020, DR004, DR005, M001, M009, M013, M014, M021, M022, M025, M029, P001, P003, P004, P005, P006, P007, P008, P009, P010, P020, P022, P026, P038, P039, P040, P041, P048, P049, P050
Waste stream volume and time period of generation	WS3	Y	C003, C054, C061, C063, C077, M001, M013, M014, M021, M022, M025, P039, P050
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	WS4	Y	C063, C064, C065, C066, C077, D018, D020, M009, M013, M014, M021, M022, P001, P003, P005, P006, P007, P008, P009, P010, P022
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	WS5	Y	M021, M022, P001
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	WS6	Y	C063, DR004, DR005
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7	Y	D001, D020
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	WS8	Y	C003, C006, C057, C069, C070, C078, D018, D020, DR004, M003, M009, M021, M022, M025, M029, P002, P018, P021, P022, P025, P030, P037, P046, P048, P049, P050
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	WS9	Y	C003, C057, C058, C059, C061, C063, C064, C065, C066, C069, C077, C078, D018, D020, M009, M013, M014, M021, M022, M025, M027, M029, P001, P002, P021, P022, P025, P030, P038, P039, P046, P048, P049, P050
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	WS10	Y	C003, C061, DR005, M001, M003, M009, M021, M022, M025, M029

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-SWMF-HET-B

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Specification of the isotopic ratios for the ten WIPP-tracked radionuclides and all radionuclides other than the ten WIPP-tracked radionuclides that contribute to 95 percent of the radioactive hazard for a payload container. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	WS11	Y	C057, C061, C064, C065, C066, C068, C072, C077, C078, D003, D004, D005, M003, M009, M013, M014, M025, M029, P001, P002, P003, P038, P039, P048, P049, P050
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	WS12	Y	C003, C006, C008, C009, C057, C069, C070, C077, C078, D020, DR004, M003, M009, M013, M014, M025, P001, P002, P025, P026, P048, P049, P050
Additional acceptable knowledge documentation (briefly describe):			
Process design documents (e.g., Title II Design)	S1	N	~~N/A SLa 10/21/2013~~
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2	Y	P003, P004, P005, P006, P007, P008, P009, P010, P018, P019, P020, P021, P025, P026, P030, P032, P034, P038, P039, P045
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3	Y	D001, D002, D003, D004, D005, D018
Waste Packaging records	S4	Y	M022, M029
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5	N	NA 10/21/2013
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6	Y	M025
Information from site personnel (e.g., documented interviews)	S7	Y	C054, C072, C078
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8	N	NA 10/21/2013
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with the CCP-PO-001, radiography screening for prohibited items).	S9	Y	C068, C078, D020, DR005, P048, P049, P050
Material Safety Data Sheets, product labels, or other product information	S10	Y	C006
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11	N	NA 10/21/2013

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-SWMF-HET-B

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Comparable or surrogate sampling and analysis data	S12	N	
Other (describe)	S13	N	
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14	N	N/A 10/21/2013
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15	N	
Packaging	S16	Y	C003, C077, D018, DR005, M001, M009, M013, M014, M025, M029, P001, P002, P022, P026, P032, P034, P039, P040, P041, P046

Acceptable knowledge information regarding waste generated off-site or from similar process:

(1) AK#s are used as identifieres for program, waste stream-specific and supporting elements. The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Information List to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

Additional Comments:

N/A 10/21/2013

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Sherry Bullard Date: 10/21/2013

Print/Sign

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Attachment 1 - Acceptable Knowledge Documentation Checklist

Site(s): Savannah River Site

Waste Stream Description: Homogeneous waste from 321M

Waste Stream Number(s): SR-W027-321M-HOM

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information:			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1	Y	D013, P166
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	PR2	Y	C038, C100, C150, D013
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3	Y	C150, D013
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4	Y	C100, DR002
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5	Y	C017, C100, C105, DR002, M053, M060
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6	Y	DR002, P043
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7	Y	C016, C017, C028, C036, C100, D013, M060, P020, P024, P050
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	PR8	Y	C105, M024, P020, P022, P024, P036, P067, P111, P162
Mandatory generator site TRU waste stream (WS)-specific information:			
Waste stream designation	WS1	Y	C016, C017, DR002
Area(s) and building(s) from which the waste stream was or is generated.	WS2	Y	C016, C017, C028, C036, C104, C150, D013, M050, M060, P020, P024, P166
Waste stream volume and time period of generation	WS3	Y	C016, C017, C100, C104, DR002, P050
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	WS4	Y	C016, C017, C038, C100, C104, C150, D013, P026, P031, P043, P166
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	WS5	Y	D013

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-W027-321M-HOM

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	WS6	Y	P020, P022, P024, P067
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7	Y	C038, C100, C150
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	WS8	Y	C017, C028, C100, C105, C150, D013, M050, M060, P026, P031, P036, P043, P162, P163, P166
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	WS9	Y	C016, C017, C100, C105, C150, DR002, M024, M050, M060, P036, P043, P166
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	WS10	Y	C105, DR002, M053, M054, M060, P163
Specification of the isotopic ratios for the ten WIPP-tracked radionuclides and all radionuclides other than the ten WIPP-tracked radionuclides that contribute to 95 percent of the radioactive hazard for a payload container. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	WS11	Y	C016, C017, C027, C028, C036, C100, C104, C150, DR002, M053, M060, P022, P067, P111, P166
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	WS12	Y	P043, P162, P166
Additional acceptable knowledge documentation (briefly describe):			
Process design documents (e.g., Title II Design)	S1	N	N/A 11/13/2013
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2	Y	P111, P157, P158, P159, P160, P162, P163
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3	Y	C016
Waste Packaging records	S4	Y	M024, M050, M054

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-W027-321M-HOM

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5	N	NA 11/13/2013
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6	Y	M060
Information from site personnel (e.g., documented interviews)	S7	Y	C105
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8	N	NA 11/13/2013
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with the CCP-PO-001, radiography screening for prohibited items).	S9	Y	C104, M053
Material Safety Data Sheets, product labels, or other product information	S10	Y	M023
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11	N	
Comparable or surrogate sampling and analysis data	S12	N	
Other (describe)	S13	N	
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14	N	NA 11/13/2013
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15	Y	M050
Packaging	S16	Y	DR002, M054, M060, P043, P160, P163

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Acceptable knowledge information regarding waste generated off-site or from similar process:
(1) AK#s are used as identifieres for program, waste stream-specific and supporting elements. The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Information List to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

Additional Comments:

N/A 11/13/2013

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Sherry Auckland Date: 11/13/2013

Print/Sign

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Attachment 1 – Acceptable Knowledge Documentation Checklist

Site(s): Savannah Rive Site

Waste Stream Description: Building 777-10A Physics Laboratory Neutron Sources

Waste Stream Number(s): SR-RH-SDD.01

Acceptable Knowledge Information	[1]AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1	Y	P001, P002
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	PR2	Y	C002, P001, P002, U001,U002, CCP-AK-LANL-008
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3	Y	C001, P001, P002, U001, U002
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4	Y	C001, P001, P002, U001, U002
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5	Y	C001, C002, C003, U001, U002
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6	Y	C001, C002, C003, U001, U002
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7	Y	C001, U001, U002
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	PR8	Y	U002, CCP-TP-163, CCP-TP-500
Mandatory generator site TRU waste stream (WS)-specific information			
Waste stream designation	WS1	Y	C002, C003, U001, U002, U003
Area(s) and building(s) from which the waste stream was or is generated.	WS2	Y	C002, P001, P002, U001, U002
Waste stream volume and time period of generation	WS3	Y	U001, U002, C003
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	WS4	Y	P001, P002

NTPC RECORDS ORIGINAL
DATE REC'D 9/25/13

Waste Stream Number(s): SR-RH-SDD.01

Acceptable Knowledge Information	[1]AK#	Compiled? (Y/N)	Source Document Tracking Number
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	WS5	Y	P001, P002
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	WS6	Y	C001, C002, C003, U003
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7	Y	C002, P001, P002
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	WS8	Y	C003, U001, U002, CCP-AK-LANL-008
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	WS9	Y	C003, U001, U002, U004 CCP-AK-LANL-008
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	WS10	Y	U001, U002
Specification of the isotopic ratios for the ten WIPP-tracked radionuclides and all radionuclides other than the ten WIPP-tracked radionuclides that contribute to 95 percent of the radioactive hazard for a payload container. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	WS11	Y	C001, U001, U002, U003, CCP-AK-LANL-008
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	WS12	Y	U001, U002, CCP-AK-LANL-008

Waste Stream Number(s): SR-RH-SDD.01

Acceptable Knowledge Information	[1]AK#	Compiled? (Y/N)	Source Document Tracking Number
Additional acceptable knowledge documentation (briefly describe):			
Process design documents (e.g., Title II Design)	S1	N	N/A
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2	Y	CCP-TP-163, CCP-TP-500
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3	N	N/A
Waste Packaging records	S4	Y	U001, U002
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5	Y	P001, P002
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6	N	N/A
Information from site personnel (e.g., documented interviews)	S7	N	N/A
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8	Y	U001
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with CCP-PO-001, radiography screening for prohibited items.	S9	Y	U001
Material Safety Data Sheets, product labels, or other product information	S10	N	N/A
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11	N	N/A
Comparable or surrogate sampling and analysis data	S12	Y	CCP-AK-LANL-008
Other (describe)	S13	N	N/A
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14	N	N/A
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15	Y	U001, U002
Packaging	S16	Y	C003, P003, U001, U002, U004

Waste Stream Number(s): SR-RH-SDD.01

Acceptable Knowledge Information	(1)AK#	Compiled? (Y/N)	Source Document Tracking Number
OSR-Specific Information (Applies only to sealed sources)			
Evidence that the waste meets the definition of a sealed source reference 10CFR30.4 and 10CFR835.2	O1	N/A	N/A
Documentation that sources are Special Form, such as certificates DOT Special Form Class 7 per 49CFR173.403	O2	N/A	N/A
Contamination survey results for each source reference requirements of 10CFR34.27	O3	N/A	N/A
Source manufacturer's sales catalogues	O4	N/A	N/A
Source purchase records	O5	N/A	N/A
Manufacturer fabrication documents	O6	N/A	N/A
Manufacturer drawings	O7	N/A	N/A
Fuel capsule assembly reports	O8	N/A	N/A
Manufacturer's operational procedures for meeting cleanliness requirements	O9	N/A	N/A
Manufacturer's shipping documents or records	O10	N/A	N/A
Manufacturer welding records	O11	N/A	N/A
TRU batch material records	O12	N/A	N/A
National database radiological information (e.g., NMMSS, NRC Device Registry)	O13	N/A	N/A
NRC or agreement state regulatory licensing information	O14	N/A	N/A
Documentation of physical markings on the outer source casing or labels attached to devices housing sources	O15	N/A	N/A
Unique physical description attributed to specific source models	O16	N/A	N/A
Acceptable knowledge information regarding waste generated off-site or from similar process: CCP-AK-LANL-008 - See relevant AK Element #s above for relevant AK from this corresponding CH AK Summary Report.			
(1) AK#s are used as identifiers for program, waste stream-specific and supporting elements. The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Information List to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.			

Additional comments:
O1 through O16 relevant to sealed sources associated with ORSP waste streams, therefore these elements are not applicable to the RH TRU debris waste stream

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Kevin J. Peters / [signature] Date: 9/17/2013
Print Sign

DIVIDER PAGE

Attachment 1 - Acceptable Knowledge Documentation Checklist

Site(s): Savannah River Site

Waste Stream Description: Remote-handled heterogeneous organic and inorganic debris waste

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information [a]:			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1	Y	D010, D020, D030, D033, D109, M047, M054, P124
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	PR2	Y	C091, C096, C116, C137, D004, D016, D031, D034, D046, D051, D052, D053, D080, D109, D110, D111, D112, D113, D116, D117, D122, M022, M036, M071, M084, P004
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3	Y	C007, C012, C014, C038, C062, C083, C115, C146, C182, D003, D008, D018, D019, D026, D027, D049, D050, D056, D057, D061, D076, D084, D085, D086, D111, D122, M087, P026, P087, P124
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4	Y	C010, C011, C022, C024, C025, C026, C028, C030, C031, C033, C040, C042, C043, C044, C046, C050, C051, C052, C053, C054, C055, C056, C057, C058, C059, C060, C061, C062, C069, C071, C072, C073, C074, C076, C077, C078, C079, C080, C081, C086, C096, C104, C105, C108, C116, C118, C119, C122, C127, C130, C131, C132, C135, C136, C178, C182, D002, D005, D005A, D006, D009, D011, D012, D013, D014, D022, D024, D025, D028, D029, D032, D035, D036, D037, D038, D042, D044, D045, D053, D055, D059, D063, D069, D070, D075, D087, D109, D110, D111, D112, D113, D116, D117, D119, D122, DR006, M012, M026, M027, M028, M030, M031, M032, M033, M040, M042, M045, M046, M053, M055, M069, M108, M109, M110, M126, M131, M133, P002, P003, P006, P008, P010, P011, P012, P016, P017, P018, P019, P022, P023, P024, P026, P030, P032, P033, P034, P037, P038, P041, P042, P046, P047, P050, P051, P052, P054, P056, P057, P058, P059, P061, P062, P063, P066, P076, P078, P081, P082, P084, P091, P103, P124

~~Mandatory generator site TRU waste stream (WS) specific information [a]:~~
CD 7/4/11

CCP RECORDS ORIGINAL
DATE REC'D 7-11-11

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5	Y	C006, C009, C029, C030, C032, C063, C070, C075, C077, C082, C086, C119, C136, C156, C165, C166, C173, D011, D035, D092, DR004, DR006, DR008, DR010, M001, M044, P016, P018, P020, P026, P054, P055, P059, P066, P068, P075, P103, P119, P125
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6	Y	C019, C043, C048, C062, C082, D072, D088, D108, D109, D110, D111, D112, D113, D120, D122, M035, M038, M039, M044, M060, M069, M123, M126, M131, M133, P108, P119, P120, P121, P122, P124, P125
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7	Y	C015, C062, C066, C115, C116, C164, C182, D022, D049, D063, D116, D119, D120, D122, M018, M058, M126, M131, M133, P026, P107, P114, P119, P120, P121, P122, P124
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	PR8	Y	C004, C005, C006, C011, C014, C016, C025, C027, C142, D002, D067, D079, D088, D092, D122, M002, M057, M068, M088, M122, P010, P015, P026, P053, P094, P106, P107, P109, P110, P111, P112, P113, P119, P120, P121, P122
Mandatory generator site TRU waste stream (WS)-specific information (a) :			
Waste stream designation	WS1	Y	D069, M098, M108, M109, M110
Area(s) and building(s) from which the waste stream was or is generated.	WS2	Y	C012, C013, C015, C022, C028, C043, C066, C067, C094, C117, C118, C119, C120, C126, C132, C157, C182, D003, D005, D005A, D029, D049, D052, D053, D056, D057, D061, D062, D063, D064, D065, D066, D070, D090, D107, D110, D111, D112, D113, D114, D115, D116, D119, D120, D122, M001, M009, M011, M012, M015, M016, M017, M022, M029, M056, M066, M076, M082, M098, M099, M108, M109, M110, M115, M125, M126, M127, M131, M133, P004, P005, P007, P025, P030, P085, P107, P108, P114, P119, P120, P121, P122, P124
Waste stream volume and time period of generation	WS3	Y	C019, C022, D008, D107, D117, D120, M009, M011, M015, M034, M039, M066, M108, M109, M110, M115, M121, M123, M125, M126, M127, M131, M133, P119, P120, P121, P122, P124, P125

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	WS4	Y	C010, C012, C013, C025, C028, C031, C039, C040, C042, C043, C044, C098, C101, C114, C115, C116, C117, C120, C123, C131, C132, C136, D005, D005A, D006, D019, D048, D055, D058, D061, D062, D070, D085, D103, D105, D107, D110, D111, D112, D113, D116, D117, D120, D122, M012, M015, M017, M018, M021, M058, M063, M100, M108, M109, M110, M115, M122, M125, M126, M127, M131, M133, P007, P017, P022, P023, P024, P025, P027, P029, P030, P031, P032, P033, P034, P037, P042, P072, P080, P081, P082, P084, P108, P114, P124
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	WS5	Y	D114, D122, M061, M062, M067, P004, P044, P124, P125, P126
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	WS6	Y	C022, C083, C105, C115, C119, D122, M108, M109, M110, M111, M112, M126, M131, M133
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7	Y	C112, C116, C137, D016, D031, D034, D046, D051, D052, D053, D073, D080, D096, D109, D110, D111, D112, D113, D116, D117, D122, M022, M036, M071, M082, M084, P004, P124

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	**WS8**	Y	C001, C012, C017, C018, C032, C073, C084, C085, C092, C093, C098, C099, C102, C104, C117, C121, C136, C138, C142, C143, C148, C156, C157, C158, C161, C163, C175, C178, C180, D001, D003, D006, D018, D032, D040, D041, D056, D059, D060, D065, D066, D069, D073, D090, D094, D106, D108, D114, D115, D119, D120, D122, DR001, DR002, DR004, DR006, DR007, DR008, DR013, M009, M010, M011, M021, M034, M037, M048, M049, M050, M051, M062, M063, M066, M093, M098, M099, M108, M109, M110, M122, M126, M131, M133, M134, P001, P003, P025, P027, P028, P029, P036, P049, P057, P063, P070, P071, P072, P076, P077, P081, P082, P087, P094, P098, P104, P105, P106, P108, P112, P114, P124, P125
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	**WS9**	Y	C011, C012, C032, C098, C104, C116, C117, C131, C134, C136, C156, C157, C163, C180, D001, D021, D063, D081, D096, D107, D119, D122, DR013, M003, M009, M011, M014, M015, M023, M034, M041, M066, M088, M093, M098, M100, M108, M109, M110, M111, M112, M115, M125, M126, M127, M131, M133, P004, P007, P007A, P017, P021, P030, P037, P045, P059, P063, P070, P071, P082, P083, P089, P090, P101, P104, P106, P107, P108, P111, P114, P119, P120, P121, P122, P124
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	**WS10**	Y	M011, M014, M066, M098, P119, P125

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Radionuclides present in the waste stream, if available particularly the isotopic distribution of the 10 WIPP-tracked radionuclides and/or the radionuclides that comprise 95% of the radiological hazard of the waste stream, if applicable. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	**WS11**	Y	C009, C022, C024, C025, C028, C030, C033, C034, C037, C039, C045, C047, C054, C066, C089, C094, C096, C097, C098, C100, C101, C103, C109, C110, C111, C112, C114, C115, C118, C119, C123, C126, C127, C129, C136, C137, C141, C153, C154, C159, C160, C162, C164, C171, C173, C174, C176, C177, C180, C182, D006, D007, D008, D015, D043, D048, D049, D053, D055, D058, D061, D062, D063, D065, D066, D073, D082, D083, D085, D090, D096, D097, D098, D099, D101, D103, D105, D107, D108, D109, D110, D111, D114, D115, D116, D117, D119, D120, DR009, DR010, DR013, DR014, DR015, DR016, M009, M011, M013, M014, M015, M018, M019, M021, M024, M043, M044, M050, M052, M056, M058, M059, M062, M066, M070, M071, M072, M073, M074, M075, M076, M077, M078, M079, M080, M081, M082, M083, M084, M094, M095, M096, M100, M101, M102, M103, M104, M105, M106, M107, M108, M109, M110, M113, M114, M115, M120, M121, M125, M126, M127, M130, M131, M133, P002, P004, P006, P010, P011, P012, P019, P035, P039, P065, P066, P080, P083, P084, P095, P096, P097, P113, P120, P124, P125, P126
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	**WS12**	Y	C001, C002, C017, C018, C025, C029, C049, C073, C083, C088, C090, C097, C104, C139, C140, C143, C144, C148, C149, C150, C151, C155, C156, C157, C158, C163, C175, C180, D017, D018, D028, D041, D059, D093, D094, D095, D096, D106, D114, D115, D119, D120, DR002, DR003, DR004, DR007, DR008, DR011, DR012, DR013, M009, M014, M015, M034, M048, M049, M050, M051, M066, M093, M098, M099, M108, M109, M110, M115, M125, M126, M127, M131, M133, M134, P014, P026, P063, P076, P108, P124
Additional acceptable knowledge documentation (briefly describe) (b) :			
Process design documents (e.g., Title II Design)	**S1**	Y	P005

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2	Y	C008, C145, D053, D054, D103, DR002, DR006, M020, M072, P002, P007, P018, P019, P027, P028, P031, P035, P036, P041, P046, P061, P062, P063, P064, P067, P071, P073, P076, P077, P078, P080, P081, P082, P083, P084, P085, P087, P088, P090, P091, P093, P094, P095, P097, P099, P103, P104, P105, P106, P107, P108, P109, P111, P112, P113, P114, P128
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3	Y	C113, C124, D039, D052, D057, D058, D062, D089, D116, M016, M017, P005
Waste Packaging records	S4	Y	C022, M014
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5	Y	D053, D090, D114, D115
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6	Y	C137, D008, M044, M052, M082, M099
Information from site personnel (e.g., documented interviews)	S7	Y	C038, C066, C090, C094, C104, C116, C136, C138, C149, C150, C152, C156, C157, C158, C161, C174
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8	Y	D091, D094
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with the CCP-PO-001, radiography screening for prohibited items).	S9	Y	C028, C080, C096, C111, C118, C137, D032, D063, D099, D114, D115, M048, M059, M060, M076, M077, M078, M082, M084, M097, M130
Material Safety Data Sheets, product labels, or other product information	S10	Y	C020, C161, D107, M051, M134
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11	Y	M084
Comparable or surrogate sampling and analysis data	S12	Y	M083, P096
Other (describe)	S13	Y	C068, C107, D064, M008, P065
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14	Y	M073, M075, M079, M080, M081, M094, M095, M096, P047
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15	Y	C097, M001, M073, M075, M079, M080, M081, M094, M095, M096

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Packaging	S16	Y	C012, C023, C042, C054, C064, C093, C106, C107, C108, C117, C128, C157, D023, D024, D063, D075, D088, D122, M011, M015, M023, M024, M064, M065, M066, M089, M090, M091, M092, M097, M108, M109, M110, M115, M118, M119, M121, M123, M125, M126, M127, M131, M133, P003, P007, P007A, P023, P031, P042, P043, P045, P047, P048, P054, P057, P063, P064, P067, P070, P073, P082, P083, P084, P088, P089, P093, P094, P099, P106, P107, P109, P110, P111, P112, P113, P114

Acceptable knowledge information regarding waste generated off-site or from similar process: N/A 6/30/11

(1) AK#s are used as identifieres for program, waste stream-specific and supporting elements.
The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Source Document Reference list to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

a. Specified in CCP-PO-001.
b. Not required by CCP-PO-001 unless waste stream-specific information is NOT available.
c. Required for OSR containers that will NOT undergo headspace gas sampling and analysis

Additional Comments:

N/A 6/30/11

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Jason R. Montoya Date: 6/30/11
Print/Sign

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-RH-221H.01

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Packaging	S16	Y	C012, C023, C042, C054, C064, C093, C106, C107, C108, C117, C128, C157, D023, D024, D063, D075, D088, D122, M011, M015, M023, M024, M064, M065, M066, M089, M090, M091, M092, M097, M108, M109, M110, M115, M118, M119, M121, M123, M125, M126, M127, M131, M133, P003, P007, P007A, P023, P031, P042, P043, P045, P047, P048, P054, P057, P063, P064, P067, P070, P073, P082, P083, P084, P088, P089, P093, P094, P099, P106, P107, P109, P110, P111, P112, P113, P114
Acceptable knowledge information regarding waste generated off-site or from similar process:			

(1) AK#s are used as identifieres for program, waste stream-specific and supporting elements.
The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Source Document Reference list to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

a. Specified in CCP-PO-001.
b. Not required by CCP-PO-001 unless waste stream-specific information is NOT available.
c. Required for OSR containers that will NOT undergo headspace gas sampling and analysis

Additional Comments:

N/A

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Jason R. Montoya Date: 6/30/11
Print/Sign

DIVIDER PAGE

Attachment 1 - Acceptable Knowledge Documentation Checklist

Site(s): Mound Plant (CCP-AK-SRS-8)

Waste Stream Description: Contaminated Soil

Waste Stream Number(s): SR-MD-SOIL

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information [a]:			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1	Y	I028, I033, M001, M061, M062, P001, P017, P029, P030, P036, P044, P045, P053, P056, P058, P063, P064, P066, P072, P086, P099, U018
Generator site mission descriptions related to TRU waste generation and management identifying *defense and non-defense operations.*	PR2	Y	C007, C008, C019, c022, I001, I003, I018, I026, I031, I033, I036, I039, I043, I057, I066, I090, M001, M014, M025, M027, M042, M062, P001, P016, P017, P021, P023, P027, P029, P030, P044, P051, P055, P056, P058, P061, P063, P064, P070, P072, P081, P086, P097, P111, P116
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3	Y	C007, C008, I001, I007, I018, I026, I030, I031, I032, I039, I043, I045, I048, I050, I066, I090, P015, P016, P029, P040, P044, P045, P055, P058, P061, P064, P078, P086, P111
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4	Y	C008, I007, I028, I043, I045, I057, I063, I066, I084, I086, I090, M062, M076, P013, P015, P016, P017, P018, P020, P034, P036, P040, P044, P051, P054, P055, P056, P058, P064, P070, P073, P078, P086, P099, P100, P111, U007, U015, U018
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5	Y	I007, I008, I011, I063, I066, I081, I082, I084, M015, M062, P034, P040, P041, P044, P045, P056, P078, U002, U007
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6	Y	DR008, DR010, I008, I011, I018, I021, I032, I033, I066, I070, I082, I084, M012, M043, M060, M061, M062, M063, M065, M076, P015, P016, P017, P036, P040, P044, P049, P053, P055, P061, P064, P067, P081, P099, U007, U018, U019
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7	Y	I017, I031, I050, I063, I066, I082, I084, I090, M001, M015, M031, M042, M044, M055, M061, M062, M065, M076, P001, P013, P015, P016, P017, P030, P036, P045, P051, P053, P056, P064, P067, P070, P072, P100, P123, U018

CCP RECORDS ORIGINAL
DATE REC'D 10-10-12

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-MD-SOIL

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	**PR8**	Y	DR007, I010, I042, I045, I072, I086, I090, I092, M003, M065, P040, P044, P057, P064, P065, P078, P100, P105, P111, P117, P120, P121, P124, P126, P127, P129
Mandatory generator site TRU waste stream (WS)-specific information [a] :			
Waste stream designation	**WS1**	Y	DR006, I067, M060, M061, M065, M076, P017, P040, P044, P061, P072, P111, U019
Area(s) and building(s) from which the waste stream was or is generated.	**WS2**	Y	C006, C007, C008, C009, C011, C012, C016, C019, DR001, DR002, DR003, DR005, I007, I017, I023, I026, I033, I050, I063, I066, I082, I083, I090, I092, M001, M031, M042, M044, M061, M062, M065, M076, P001, P013, P015, P016, P017, P018, P020, P023, P027, P028, P029, P034, P036, P037, P040, P044, P045, P051, P053, P054, P055, P056, P061, P063, P064, P067, P070, P072, P086, P099, P100, P123, U001, U007, U018
Waste stream volume and time period of generation	**WS3**	Y	C006, C019, C022, C046, I008, I020, I033, I039, I063, I066, I070, I082, I084, M043, M044, M062, M063, M065, M076, P015, P016, P017, P018, P036, P040, P055, P061, P063, P064, P081, P086, P099, U015, U018
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	**WS4**	Y	C007, C008, C012, C016, C019, I026, I045, I084, I090, I092, M001, M015, M031, M043, M044, M055, M060, M062, M065, P001, P013, P015, P016, P017, P018, P028, P029, P030, P034, P036, P040, P044, P045, P051, P053, P054, P055, P056, P058, P064, P070, P072, P086, P099, P100, P123, U001, U007, U018
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	**WS5**	Y	I031, M076, P018, P044, P051, P058, P063, P064, P072, P073, P076, P123, U007
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	**WS6**	Y	DR010, I011, I033, I045, I066, I067, M065, P041, P064

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-MD-SOIL

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7	Y	C003, C007, c022, I001, I018, I021, I030, I032, I036, I039, I043, I057, I066, M001, M014, M025, M027, M042, M062, P001, P016, P017, P021, P023, P027, P029, P044, P051, P055, P056, P058, P061, P063, P064, P070, P081, P086, P097, P111, P116
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	WS8	Y	C006, C007, C008, C009, C011, C012, C019, C042, DR001, DR002, DR003, DR008, DR010, I003, I011, I045, I050, I084, I090, I092, M002, M006, M012, M018, M040, M052, M061, M062, M065, M076, P001, P013, P015, P016, P017, P018, P020, P021, P027, P029, P030, P037, P040, P041, P045, P051, P053, P054, P055, P056, P057, P058, P061, P063, P064, P065, P070, P072, P079, P081, P086, P095, P096, P098, P100, P111, P115, P124, P129, U001, U007, U018
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	WS9	Y	C006, C008, C009, C011, C019, C042, DR006, DR007, DR009, DR010, I001, I003, I005, I007, I008, I020, I039, I045, I067, I082, I084, I086, I092, M002, M004, M018, M043, M052, M060, M061, M062, M064, M065, M076, P013, P015, P016, P017, P018, P021, P027, P028, P029, P030, P034, P036, P037, P040, P041, P044, P045, P048, P051, P053, P055, P056, P057, P058, P061, P063, P064, P065, P070, P072, P086, P099, P100, P111, P115, P117, P120, P124, U001, U002, U003, U007, U015, U018, U019
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	WS10	Y	C009, I011, I020, I063, I092, M004, M059, P034, P040, P041, P061, P076, P099, U001, U002, U003
Radionuclides present in the waste stream, if available particularly the isotopic distribution of the 10 WIPP-tracked radionuclides and/or the radionuclides that comprise 95% of the radiological hazard of the waste stream, if applicable. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	WS11	Y	C007, C008, C009, C011, C019, C022, C041, DR005, I001, I007, I008, I019, I020, I023, I026, I028, I030, I031, I039, I044, I045, I063, I066, I082, I083, I090, I092, M001, M006, M012, M031, M043, M044, M061, M062, M063, M065, M077, P001, P013, P015, P016, P017, P018, P020, P021, P023, P027, P028, P029, P030, P034, P036, P037, P040, P041, P044, P045, P048, P053, P054, P055, P056, P058, P061, P063, P064, P065, P067, P070, P072, P086, P099, P100, P115, U001, U007, U015

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-MD-SOIL

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	WS12	Y	C006, C007, C008, C009, C011, C019, DR001, DR002, DR003, DR008, I003, I008, I020, I045, I050, I057, I067, I092, M004, M012, M061, M063, M065, M076, P001, P013, P016, P017, P018, P020, P021, P027, P030, P037, P040, P041, P045, P053, P054, P055, P056, P057, P061, P063, P064, P070, P072, P079, P081, P086, P095, P096, P098, P100, P111, P115, P122, P124, U001, U007
Additional acceptable knowledge documentation (briefly describe) :			
Process design documents (e.g., Title II Design)	S1	N	NA 10/17/2012
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2	Y	P017, P034, P041, P049, P050, P057, P073, P079, P099, P117, P124, P125, P126, P127, P128, P129, U019
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3	Y	I050, P027, P036, P067, P072
Waste Packaging records	S4	Y	DR001, DR008, I005, P099, U002
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5	Y	C042, M061, M062
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6	Y	DR002, DR003, I017, I020, P096
Information from site personnel (e.g., documented interviews)	S7	Y	C003, C005, C007, C008, C010, C011, C012, C013, C016, C020, C040, I048
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8	N	NA 10/17/2012
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with the CCP-PO-001, radiography screening for prohibited items).	S9	Y	C041, C042, DR006, I005, I019, M061, M063, M064, M076, M077, P017, P073, P098, P099
Material Safety Data Sheets, product labels, or other product information	S10	Y	P095
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11	N	NA 10/17/2012
Comparable or surrogate sampling and analysis data	S12	Y	C042, M061, M062, P013, P086, P099
Other (describe)	S13	Y	M003, M004, M016, M017, M029, P065

Attachment 1 - Acceptable Knowledge Documentation Checklist (continued)

Waste Stream Number(s): SR-MD-SOIL

Acceptable Knowledge Information	(1) AK#	Compiled? (Y/N)	Source Document Tracking Number
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14	Y	P044, P070
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15	N	N/A SB 10/17/2012
Packaging	S16	Y	C005, C008, C009, C011, C012, C019, C024, C040, C043, C044, C046, DR005, DR007, DR009, DR010, I005, I007, I042, I045, I063, I066, I070, I072, I074, I081, I084, I086, I092, M003, M004, M012, M015, M018, M029, M034, M036, M037, M038, M039, M040, M041, M043, M044, M054, M055, M059, M060, M063, P015, P016, P018, P020, P030, P040, P041, P044, P054, P057, P058, P061, P063, P064, P065, P072, P073, P076, P078, P079, P099, P100, P105, P109, P111, P117, P120, P121, P124, P125, P126, P127, P129, U001, U007, U015, U019
N/A SB		10/17/2012	

Acceptable knowledge information regarding waste generated off-site or from similar process:

(1) AK#s are used as identifieres for program, waste stream-specific and supporting elements.
The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Source Document Information list to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

a. Specified in CCP-PO-001.
b. Required for OSR containers that will NOT undergo headspace gas sampling and analysis.

Additional Comments:

N/A SB 10/17/2012

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: Sherry Auckland Date: 10/17/2012
Print/Sign

Attachment 4 - Acceptable Knowledge Information List

Site(s): Savannah River Site

Waste Stream Number: SR-RH-221H.01

Waste Stream Description: Remote-handled heterogeneous organic and inorganic debris waste

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C001	Memo to TRU Waste Coordinators, J.A. Schlesser: WIPP Certification Plan	G.M. Traverso	NA	NA, 06/20/1983
C002	Memo: Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition	P.H. Redd	OPS-WMT-890379	12/27/1989
C004	Memo: Meeting Minutes: Waste Certification/QA Implementation	P. Cakanic	NMP-SBO-91-0551	August 26, 1991
C005	Memo: The Acceptance of Contact-Handled TRU Waste Drums at the Solid Waste Disposal Facility (SWDF) (U)	P.H. Redd	NMP-WMT-901120	December 7, 1990
C006	Memo: Suspect Hazardous Waste Handling Requirements	S.S. Cathey	NMP-WMO-90-0010	Draft, 10/04/1990
C007	Memo to P.T. Deason, et. al.: Final Version of the Waste Management Technology NDA Precision/Bias Documentation Format	J.R. Shappell	NA	May 30, 1989
C008	Memo to V.G. Dickert, et al.: Guidance for Continual Surveillance for Hazardous Waste	W.M. Wierzbicki	NMP-ST-900172	October 4, 1990
C009	Memo: Meeting Minutes: Determination of Isotopes and Quantities Present in TRU Boxed Waste	J.R. Shappell	NA	May 31, 1989
C010	Memo: Disposal of TRU Boxed Waste	K.S. Wierzbicki, T.H. Fisher	NA	March 20, 1989
C011	Memo: Disposal of Spray Cans with Material	W.M. Wierzbicki	NA	September 19, 1990
C012	Memos: Characteristics of SRS TRU Boxed Waste	R.C. Hochel	SRL-ADS-89-0175	July 5, 1989 and August 7, 1989
C013	Memo to C.F. Alexander, F. Loudermilk, S. Hamrick: Pretreatment of HB-Line Noncombustible TRU Waste, The Equipment Retirement and Reclamation Facility	S.J. Mentrup, J.A. Harrison	NA	July 20, 1983
C014	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program	M.A. Ebra	OPS-WMT-890114	August 28, 1989
C015	Memo: TRU Boxed Waste Measurement Task Team, Meeting Minutes 6/23/89	R.C. Hochel	SRL-ADS-89-0175	August 7, 1989
C016	Memo to H.W. Fincher, et. al.: Annual Surveillance of TRU Waste Generators	M.A. Ebra	NA	June 13, 1989

NTPC RECORDS ORIGINAL
DATE REC'D 10/30/13 SP

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C017	Memo to R.F. LeBert: Hazardous Products in Our MSDS Books (U)	G.T. Swisstack	NA	January 25, 1990
C018	Memo: Alara 1146 Clarification (U)	M.F. Tyrrell, G.T. Swisstack	OPS-SHC-90-186	May 14, 1990
C019	Memo to E.L. Albenesius: Expected Volume of TRU-Contaminated Waste SRL and SRP, 1977-1996	P.H. Permar	NA	June 20, 1977
C020	Memo: BH-38 Decontamination Material Mixup	W.M. Wierzbicki	NA	March 20, 1990
C021	Fax to H. Mays: Burial Boxes	D. Perkins	DWGSW734049, 050	October 23, 1987?
C022	Memo to J.P. Dickson: 1500 Cubic Feet Waste Box Repackaging (Revised)	R.D. Burns	NA	June 3, 1986
C023	Memo to V.G. Dickert, et. al.: Old HB-Line Burial Box Meeting Minutes	S.A. Yano	OPS-STH-890136	November 15, 1989
C024	Memo to G.W. Earle: Neptunium Shielding Calculations	S.A. Yano	OPS-STH-890136	November 27, 1989
C025	Memo to P.T. Deason, et. al.: TRU Boxed Waste	H.H. Rowland, M.A. Ebra	NA	May 31, 1989
C026	Memo: Recommendations and Final Report for TRU Boxed Waste Measurements Task Team	R.C. Hochel	SRL-ADS-89-0345	October 13, 1989
C027	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989	B.S. Bush	OPS-SHB-890039	October 24, 1989
C028	Memo to S.A. Yano: Estimation of Pu Isotopic in Waste From 221-H, Room 306	C.D. Denard	ESH-AL-892033	December 20, 1989
C029	Memo to R.L. McQuinn, et. al.: Program for the Handling of Hazardous Waste Rags and Wipes (U)	J.G. McKibbin, V.C. Minardi, T.A. Moore, J.S. Evans	OPS-STH-900025	January 24, 1990
C030	Memo: Transuranic Waste Characterization	Jim Stumbaugh, 703-H	NA	5/13/92
C031	Meeting-HB Line Decommissioning - Disposal of Neptunium Sweeping	S.J. Mentrup, 703-H	NA	11/1/84
C032	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition	R. Garvin	NA	January 4, 1990
C033	Letter to J. Dickson and Distribution re: "Revised Pu-238 Waste Packaging Limits."	K. Wierzbicki	NA	Post 1986
C034	Memorandum to J. Crandall re: Radiation Properties of Pu-238	R. Baxter	NA	March 19, 1969
C037	Letter to M. O'Rear re: Radioisotopic Composition	O. Morris	NA	April 4, 1988

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C038	Memo to J.P. Duane re: 221-HB-Line History	G. "Blackie" Blackburn	NA	November 17, 1977
C039	Memo to R. Anderson re: Neptunium Sweepings, 221-HB-Line	F. Loudermilk	NA	June 29, 1984
C040	Memo to F. Lustig Re: Project S-2991 Transuranic (TRU) Waste Facility Waste Characterization and Burial Container Criticality Limits	C. Ashford	OPS-WMP-90-2006	January 23, 1990
C041	Memo to G. Nichols, Re: Pu-238 Scrap Warm Canyon Walkway Inventory	R. Manor	NA	March 20, 1985
C042	Memo to Donald Johnson re: TRU Waste Generator Meeting Concerns.	B. Clinton	NA	12/21/92
C043	Memo to J. Dunning re: timeline for Pu-242 campaign closeout in HB-Line.	P. Pritchard	NA	1/10/97
C044	Memo to HB-Line Distribution re: Validation of the HB-Line Plutonium Oxide Facility Glovebox Cabinet Cleanout	J. Mancilla	NMS-EHB-970217	Revision 0, October 20, 1997
C045	Nuclear Safety Limits for Various Isotopes in the Burial Ground	Letter from J.L. Forstner	NA	June 14, 1974
C046	Nuclear Criticality Safety in Storing WIPP Certified TRU Waste	Letter from T.A. Reilly	DPSPU-83-272-11	January 10, 1983
C047	Nuclear Safety Limits for Various Nuclides in Burial Ground Concrete Culverts	Memo from T.A. Reilly	DPSPU-85-272-121	November 14, 1985
C048	TRU Mixed Waste Generation and Characterization	Letter from O.M. Morris	NA	April 8, 1988
C049	SRS U and P codes	Memo from Ross Fanning	NA	May 15, 1996
C050	Requested Information Regarding TRU Variance Letter	Memo from James A. Blankenhorn	NA	September 3, 1992
C051	TRU Waste Retrieval – Environmental Compliance Meeting Minutes	Record prepared by B. Wilson	SWE-SWE-93 0652	November 23, 1993
C052	TRU Waste Retrieval Issues Meeting Memo	Memo of meeting called by B.A. Daugherty, Record prepared by B. Wilson	SWE-SWE-93 0531	September 28, 1993
C053	Criteria for Transuranic Solid Wastes	Letter from K.W. French	NA	December 6, 1973

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C054	Requirements for Packaging Transuranic Waste	Letter from W.J. Mottel	NA	June 4, 1974
C055	Instructions for Using Revised Burial Forms	Memo from D.C. Nichols	NA	April 12, 1979
C056	Problems with Current TRU Storage Pad Setup	Memo from B.G. Clontz	NA	July 26, 1974
C057	A Comparative Evaluation of Raycohesive® B-32 and MOR-AD® B-32 Adhesives	Memo from J.J. Croley	NA	May 1, 1979
C058	Information Concerning the Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)	Letter from J.V. Odum	ESH-FSS-95-0490	December 11, 1995
C059	Store Stock Request to Replace Defective Rings and to Order 55-Gallon Drums	K.O. Darden	NA	October 1979
C060	Transuranium Waste Packaging Requirements	Letter from J.S. Johnson	NA	February 28, 1974
C061	Nuclear Criticality Safety in Shipping Radioactive Waste to Building 643-G	Letter from T.A. Reilly	NA	January 20, 1982
C062	Integrated Radioactive Waste Management Plan (Updated Sections)	Cover letter from N.L. Kolb	SRO-TWM-77-1	April 7, 1978
C063	Operational Practices During Emplacement of Transuranic Waste on TRU Pads 1-6 in the SRS Burial Grounds	E.K. Barradale	EPD-TWF-93-0027	August 12, 1993
C064	TRU Mixed Waste Generation and Characterization [for WIPP Part A RCRA Permit]	Letter from O. M. Morris	NA	May 11, 1988
C066	Interview of C. McClard Regarding the HB-Line Process Timeline	M. Frazer	NA	November 14, 2002
C067	SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition	Letter from R.G. Garvin	OPS-WMT-900003, OPS-SBT-900001	January 4, 1990
C068	TRU Pad Soil Removal and Concentrations of Thallium, Arsenic, and Cresol (U)	Letter from J.V. Odum	ESH-FSS-96-0087	April 23, 1996
C069	Description of Transuranic Solid Waste at Savannah River	Letter from C.H. Ice	NA	April 27, 1978, Cover letter date April 24, 1978
C070	TRU Waste Facts Sheet	Fax from Clay	NA	May 19, 1993
C071	WIPP-Waste Acceptance Criteria	Letter from K.S. Swigart	NA	July 1, 1985

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C072	Letter to O.M. Morris: TRU Waste Storage Drums – Galvanized Closure Rings and Lids Specifications	C.F. Jenkins	NA	February 12, 1981
C073	Letter to C. Rippy: Response to the South Carolina Department of Health and Environmental Controls (SCDHEC's) Comments Concerning Retrieval of Low Activity Transuranic (TRU) Waste Drums from TRU Pads 2-6 (U)	J.V. Odum	ESH-FSS-96-0050	March 4, 1996
C074	Letter to D. Charlesworth: Retrieval of Transuranic Waste	R.S. Simpson	DPST-88-702	July 19, 1988
C075	Memo: Identification of TRU Waste	O.W. Mowry, G. L. Albert	NA	August 17, 1977
C076	TRU Packaging Requirements	Memo from G.L. Albert	NA	November 21, 1977
C077	Memo: Program for Identification and Segregation of Transuranic Waste with Contamination Levels Between 10 and 100 nCi/g	W.J. Jaegge	NA	February 3, 1986
C078	Letter to J.P. Duane: HB-Line Waste Packaging Requirements	J.W. McClard	DPSPU-76-272-497	December 28, 1976
C079	Memo to T.H. Gould: Systems Analysis Applied to TRU Waste Management (U)	H.E. Hootman, W.R. McDonell	PDI-ISS-95-0002	May 12, 1995
C080	Memo: Pb-Lined Gloves Telephone Call to O. Fordham, Letter to O. Fordham: Pb-Lined Gloves and Request for Concurrence to use the Exemption from Particle Size Reduction in the TCLP Method 1311 for Lead Lined Gloves (U)	Memo from K. Wolfe, Letter from J.V. Odum	Letter: ESH-FSS-95-0140	Memo: May 30, 1996, Letter: March 17, 1995
C081	Letter to B. Daugherty: Transuranic Waste Characterization	Jim Stumbaugh	NA	May 29, 1992
C082	Memo to D.L. Charlesworth: Plutonium Recovery from Combustible TRU Waste	F.G. Smith, III	DPST-87-525	July 2, 1987
C083	Miscellaneous Correspondence on Solvent Contaminated Waste (a-f)	Various Authors	Various Document Numbers	1990's
C084	Memo to M.J. Sires: Polychlorinated Biphenyl's (PCBs) Used in Electrical Equipment	T. Hendrick	NA	May 12, 1982
C085	Memo to R.P. Whitfield: PCB Inventory Changes During Calendar Year 1984	J.S. Roberts	NA	June 28, 1985
C086	Letter to O.M. Morris: Segregation of Combustible TRU Waste	E.L. Albenesius	NA	August 9, 1979
C088	Record of Communication – Interview of Mr. Odum and Mr. Maloney	J. Whitworth	NA	December 4, 2001
C089	Memo to C.J. Ward: Mass and Activity Values for FB-Line and HB-Line TRU Waste(U)	R.S. Thomason	NMS-ETS-980031	June 17, 1998
C090	Telephone Conversation with Carol Allgood, NMMD: Blue Dot Program at FB-Line and HB-Line	W.G. Estill	NA	September 9, 2002

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C091	Record of Communication -- Atomic Energy Defense Activities	W.G. Estill; Jeff Lunsford; Steve Mentrup	NA	October 3, 2002
C092	Summary of Correspondence on Dewatering Effort	Memo from S. Mertz to D. Wolfe re: TRU Dewatering Waste Disposal Memo from L. Williams and A. Schuchardt to J. Sommemberg and S. Mentrup re: Interim Acceptance Criteria for Reusing TRU Drums;Memo from H. Coleman to L. Rykken re: TRU Drum Dewatering Waste	NA	1993 to 1995
C093	Letter re: TRU Waste Packaging Requirements Polyethylene Boxes for HEPA Filters	J.H. Hershey	NA	June 8, 1977
C094	Record of Communication - Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line	G.F. Lunsford, J.W. Barber	NA	December 13, 2002
C096	Letter re: Shipment of Pu-242 Oxide to Lawrence Livermore Laboratory and shipments 270, 273, 263, 238, 259, 245, and 258	J.L. Womack	NA	April 27, 1981
C097	Plutonium Shipment No. 282	G. W. Blackburn	NA	4/6/83
C098	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon	J. Whitworth, J. Lunsford	NA	December 10, 2002
C099	Memo to W. Doe re: Tests on Polypropylene Felt	E. Russell	NA	December 16, 1965
C100	Memo to T. Reilly re: Problem No. ST-SS-G-039 Sources of Contaminants in 238PuO2	L. Gray	DPSPU-76-272-317	June 22, 1976
C101	Memo to C. Martin and R. Burns re: High Assay Material Blend	R. Jacobson	NMP-EHB-950112	May 10, 1995
C102	Memo to R. Mobley re: Problem No. ST-SS-G-041 Dissolution of 238PuO2 -Mo Cermet Residues	L. Gray	DPSPU-76-272-385	August 23, 1976

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C103	Post-Cassini Blend Pan and Blend Plan Analysis, Pu-238 Program	WSRC	NMP-SFM-940117	November 17, 1994
C104	Notes from Interview of J. "Chip" McClard	S. Ross	NA	July 24, 2002
C105	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor	J. Whitworth, A. Hallman, W. Estill, S. Fevig, J. Lunsford	NA	November 20, 2002
C106	Email: Filter Vents (U)	J. Dunning	NA	March 13, 1997
C107	Memo: Hydrogen Diffusion in Paint Can with Clasp Seals (U)	N.M. Askew	SRT-CHT-97-2017	Revision 0, May 22, 1977
C108	E-mail: HB-Line Waste Management Meeting	T. Baldwin	NA	5/14/97
C109	Email to J. Barber: Pu-238 History (includes spreadsheet)	D. Melton	NA	November 21, 2002
C110	Letter to R.D. Leedle: Savannah River Plant Project S-2256 - Replace Obsolete Processing Facilities 221-HB-Line DA-221-H Plutonium-238 Oxide Product Quality	C.C. Robbins, A.S. Barab	NA	November 4, 1980
C111	Memo to S.J. Snyder: Origin of Material Charged in HB-Line to Support Cassini	R.Y. Jacobson	NMP-EHB-940173	July 29, 1994
C112	Memo: HB-Line MC&A Report For October '96 (U)	H. Wilson Blizzard	NMS-PRG-961834	November 11, 1996
C113	Letter to A.P. Gouge: Buliding 221 - New HB-Line Plutonium Oxide Facility Technical Standard Review	M.R. Drezek	NA	March 6, 1990
C114	Separations Incident SI-80-11-140	T.E. Killeen	DPSPU 80 272-219	11/19/80
C115	Letter to L.C. Sjostrom: Guidance for the Post-Cassini Plutonium-238 Processing	J.F. Jordan	NMS-95-0037	June 23, 1995
C116	Record of Communication with Mike Mobley	J. Whitworth	NA	November 20, 2002
C117	Letter to R.C. Anderson: Neptunium Sweepings Packaging, 221-HB-Line	S.E. Federman	NA	July 11, 1984
C118	Memo to E.R. Russell: HB-Line Measurement Bias Effect on Plutonium (Pu-238) Quantities in Culverts (.i.e, impact of segmented gamma scan (SGS) measurements versus gamma pulse height anaylsis (PHA) measurements) (U)	G.F. Molen	SWE-SWE-96-0177	Revision 1, May 21, 1996
C119	Memo to B.S. Bush: Deviation of HB-Line Phase Isotopics	T.E. Baldwin	NMS-EHB-970166	Revision 1, June 30, 1997
C120	Memo to B.D. Helton: HB-Line Decommissioning Program Meeting	S.E. Mentrup	NA	December 19, 1983

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C121	Memo to T.C. Robinson: Ascorbic Acid Degredation During Pu-238 Precipitatin	J.W. McClard	NA	April 8, 1986
C122	Letter: Nuclear Safety and Heat Load Limits for TRU Waste Storafe Containers - Polyethylene Tanks in Concret Hats and 3/8" Carbon Steel Boxes	C.D. Epting	SEP-WM 180.2	May 9, 1977
C123	Letter to K.W. French: Oxygen Exchange of 238 PuO2 in HB-Line	M.C. Thompson	DPST-76-273	March 26, 1976
C124	Memo to J.C. Wolf: HB-Line Scrap Recovery Facility, PHR-200-H-178 (U)	J.E. Dickenson	WSRC-PH-90-86	August 21, 1990
C126	Memo: Old HB-Line Procedures	J.M. Gibson	NMP-SCH-93-1093	October 19, 1993
C127	Letter to V.W. Sauls: Common Deficiency in Safety Analysis Reports (SAR) Regarding International Commission of Radiological Protection (ICRP) Publication 30 Dose Conversion Methodology (U). Also includes related references which are attached.	R.A. Scaggs, J.F. Ortaldo	NMP-WMT-910780	July 30, 1991
C128	Memo to F.E. Lustig: 221-H B-Line Carbon Steel Burial Boxes (includes related attachments)	F. Loudermilk	NA	July 16, 1986
C129	Radioactivity and Dose Rates from Aging Plutonium in Future Waste Management Operations (U)	H. E. Hootman	PDI-ISS-95-0003	March 22, 1995
C130	Memo to M. Clary: Expected Isotopics from the HBL TRU waste stream	G. Lunsford	NA	October 10, 2002
C131	Email: Job Hazard Analysis of Scrap Recovery Clean Out Work (U)	R. Jenkins	NA	January 13, 1997
C132	Letter to R.E. Meadors, R.C. Anderson: Handling TRU Waste From H-Canyon Frames	W.M. Wierzbicki	NA	April 22, 1985
C134	Memo to D.H. Thomas: Burial of Old Frames and Sample Aisle Equipment	T.M. Thompson	NA	January 30, 1986
C135	Memo to D.H. Thomas: Disposal Methods For Pu-238 Frame I	T.M. Thompson	NA	May 1, 1985
C136	Record of Communication for Interview of C. Ryberg and R. Mahannah	J. Whitworth	NA	December 5, 2002
C137	Letter to G.M. Nichols: Cassini Plutonium (Pu)-238 Blend Program. Also includes references: Letter re: Cassini Plutonium (Pu) -238 Blend Program from Nichols; and Cassini Blend Plan Analysis (NMP-EHB-940219, Rev.10).	M.A. Schmitz	NMP-SFM-940095	September 23, 1994
C138	PCB Committee: Meeting No. 1	NA	NA	07/08/1981
C139	RCRA Characterization of SRS-Produced Plutonium Oxide	R.A. Vohden	NMS-EHB-970073	March 12, 1997
C140	E-Mail to P. Fulghum: Squib Igniters Used In "Halex" Fire Suppression	K. Steeg	NA	February 3, 1999
C141	Memo: Specifications for Plutonium Shipped to the Rocky Flats Plant	N.S. Dienes	NA	Circa 1985

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C142	Memo: Implementation of the Class 2 Hazardous Waste Facility Permit Modification Requiring Analysis of (trans)-1,2-Dichloroethylene and Formaldehyde	I.R. Triay	NA	July 20, 2001
C143	Memo to M.G. O'Rear: Materials List Data Requirements for TRUPACT-II Authorized Payload Compliance Plan	O.M. Morris	NA	November 9, 1988
C144	Record of Communication for Interview of S. Mentrup by J. Whitworth	J. Whitworth	NA	December 11, 2000
C145	Letter to M.G. O'Rear: Nonradionuclide Inventory Data for WIPP Performance Assessment Activities – Revision 1	O. Morris	NA	December 1, 1988
C146	Record of Communication for Interview of D. Gartland by J. Whitworth	J. Whitworth	NA	December 20, 2000
C148	Summary of SRS Correspondence and Data on Fluorescent Light Bulbs	NA	NA	February 6, 1995
C149	Record of Communication for Interview of A. Gibbs by J. Whitworth: Chromium Use at SRS TRU Waste Generator Sites	J. Whitworth	NA	March 27, 2002
C150	Letter from Energizer, Re: TCLP Data for Alkaline Batteries	Marc Boolish, Energizer	NA	April 1, 2002
C151	Letter to M.A. Kokovich: Removal of P015 Waste Code from TRU Waste Containers	C.B. Stevens	SWD-SWE-2002-00084	May 29, 2002
C152	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk	J. Whitworth	NA	08/29/2002
C153	Record of Communication for Interview with Steve Mentrup - Radiological data for HB-Line in the COBRA and GoWest Databases	Anne Halliman	NA	1/6/03
C154	Record of communication - Radiological Data for HB-Line.	Anne Halliman	NA	1/8/03
C155	Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line Interoffice Memo, From: C.B. Stevens, To: M.A. Kokovich	NA	SWD-SWE-2003-00002	January 7, 2003
C156	Record of Communication: Interview of Bob Smith, Rick Burns, and Jim Barber, Subject: TRU Waste and Hazardous Chemical Usage in the New HB-Line	Interviewed by Julia Whitworth	NA	January 9, 2003
C157	Record of Communication: Interview of Ray Smith and Betty Bush, Subject: Use of Chemicals (Acetone) by HBL Maintenance	Interviewed by Julia Whitworth	NA	January 9, 2003
C158	Record of Communication - Interview with J.W. Barber Re: Use of Acetone in the New HB-Line Facility	J. Whitworth	NA	01/20/2003
C159	Record of Communication - Interview with Steve Mentrup, Re: Radiological Characterization of SRS Waste Streams	Julia Whitworth	NA	3/6/03

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C160	Memo: Differences between Assay Values from the HB-Line Segmented Gamma Scanner and Corresponding values from the Waste PHA it Replaced	R.S. Thomason	NMS-EES-96-0003	2/15/96
C161	Fyrquel Hydraulic Oil	Record of Communication by W. Estill	NA	8-12-03
C162	Pu-238 Spectrum	Ann Gibbs	NA	08/25/03
C163	Re-evaluation of Savannah River Site HB-Line Waste Streams	Sue Peterman	CP:03:01504	10/16/03
C164	Interview with Ann Gibbs concerning Thorium-232 in the HB-Line Waste	Anne Hallman	NA	August 12, 2003
C165	Record of Communication: Discussion of Greater Confinement Disposal (GCD) at SRS.	Jeff Harrison	NA	10/23/03
C166	Modified TRU Waste Container Characterization Form (OSR 29-90) (U), with attachment, Mass and Activity Values For FB-Line and HB-Line TRU Waste (U), Rev. 1, 6/22/98	C. J. Ward	NMS-ESH-98-00018 (Also, NMS-ETS-980031)	1, 9/6/2000
C171	Memo to T. E. Baldwin: Pu-239 Calibration of the HB-Line Segmented Gamma Scanner (U)	R. D. Jeffcoat	NMS-ESP-97-0101	10/9/1997
C173	Memo to L. T. Reid: Conflicting Gamma Spectroscopy Results During WIPP Certification of 221-HBL Mixed Scrap Waste	N. S. Roddy	OBU-GSE-2004-00104	7/16/2004
C174	Evaluation/Validation of the 221-HBL Radionuclide Distribution	Judy Dunning	NMS-EHB-960011	January 11, 1996
C175	Problem No. St-SS-G-056 Recovery of Pu-238 Scrap from Mound Laboratory	L.W. Gray	DPSPU-76-272-401	September 9, 1976
C176	Isotopic Content of TRU Streams Containing Different Contamination Variety Identifications	A. Gibbs	SWD-SWE-99-005	January 11, 1999
C177	LLW Thorium	William Knopf	NA	June 7, 2004
C178	Email correspondence with Jeff Lunsford regarding beryllium	Jeff Lunsford	NA	10/20/04
C180	Email to Jeff Harrison and Joe D'Amelio re: Neut Kits	Jeff Lunsford	NA	NA, 08/24/2005
C182	Memo Characterization of Np-237 Waste	Ann Gibbs	OBU-TRU-2006-00019	NA, 2/24/2006
C184	Memo from Brett A. Clinton to G.J Winkler, Ed Selden, and Stephen A. Yano re: Characterization of 292-OHBL HEPA Filters.	Brett A. Clinton	NA	NA, 06/07/1993
C188	Memo from Jennifer Burgess to Bettie Bush re: Characterization of Drum HB06-0001	Jennifer Burgess	CBU-HCP-2005-00423	Rev. 0
C191	E-mail from Jeff Lunsford to Mike Papp re: SRS-4 Future Waste Generation	Jeff Lunsford	NA	NA, 9-29-2010

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C192	Evaluation of Volume, Period of Generation, and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-W027-221H-HET	James M. Schoen	NA	NA, 03/01/2011
C197	Memo to CCP Records re: Addition of Containers to Waste Stream SR-RH-221H.01	Jason Montoya	NA	NA, 6/20/2011
C5024	Termination of Safeguards Material Description	P. B. Andrews	SRNS-N2000-2011-00161	NA, 9/20/2011
D001	Analytical Laboratories Laboratory Technician Program, Proper Handling of Spills	Susan Maxwell for Al Todd	SA041101.H0103	Revision 3, October 10, 2001
D002	Meeting Agenda: Waste Certification (with SRS WAC attached).	NA	NA	NA
D003	Building 221-H, B-Line Scrap Recovery Facility (SUP 2A) Safety Analysis Report	Author Unknown	DPSTSA-200-10-2	Sup 2A, July 1991
D004	Dismantlement and Decontamination of a Plutonium-238 Facility at SRS	R. Smith and H. Hootman	WSRC-RP-93-1376	January 1994
D005	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)	L. Tran	NMS-EHB-990045	Revs 0-9, 9/24/1999 - 8/2/2005
D005A	Characterization of HB-Line Transuranic (TRU) Waste	B.P. Payne	NMS-EHB-990045	Rev. 10, 01/08/2007
D006	Technical Manual -- Plutonium-238 Scrap Recovery, Building 221-H	NA	DPSTM-238Pu-Scrap	June 1, 1975
D007	221-H-SP Technical Standards (UCNI)	E. I. DuPont de Nemours & Co	DPSTS-221-H-SP	March 11, 1983
D008	TRU Waste Characterization Summary, Volume 1: Main Report, Volume 2: Software Documentation, Volume 3: Data Analysis	NA	WSRC-RP-99-00477	Revision 0, Issued June 1, 1999
D009	Revised Pre Title I Design Safety Evaluation for the Retrieval Operations of Transuranic Waste Drums in the Solid Waste Disposal Facility (U)	M.S. Rabin	WSRC-TR-451	Revision 2, August 1994
D010	Radioactive Waste Burial Grounds	W.J. Jaegge, N.L. Kolb, et al.	DPST-85-694	March 1987
D011	Storage of Solid Radioactive Waste	DuPont	DPSTS-BG	January 23, 1975
D012	Solid TRU Waste Processing and Retrievable Long-Term Storage –Technical Data Summary	H.E. Hootman and W.C. Reinig	DPSTS 75-315	August 1, 1975
D013	Storing Solid Radioactive Wastes at the Savannah River Plant	J.H. Horton, J.C. Corey	DP-1366	Post September 1975

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D014	Radiogenic Gas Accumulation in TRU Waste Storage Drums	John P. Ryan	DP-1604	Published January 1982
D015	Savannah River TRU Waste Inventory Workoff Plan	K.S. Wierzbicki, S.J. Mentrup, V.B. Wheeler	DPSP-86-1116	July 15, 1986
D016	Implementation Plan for Buried Transuranic Waste at the Savannah River Plant	NA	NA	Date is likely post 1986
D017	Draft Application for a Post-closure Permit. Volume XII, Transuranic Waste Pads 1-5, Part 1	Savannah River Plant United States Department of Energy	NA	Revision 0, June 30, 1988
D018	Waste Analysis Plan (TRU Waste Storage Pads and ETWAF/WCF)	NA	NA	April 17,1996
D019	History of Du Pont at the Savannah River Plant	William P. Bebbington	NA	1990
D020	Safety Analysis – 200 Area Savannah River Plant Burial Ground Operations	Science Applications International Corporation	DPSTSA-200-10, SUPP-8	October 1988
D021	System Plan for the Solid Waste Division	Westinghouse Savannah River Company	WSRC-RP-99-01092, Volume II	Revision 2, December 30, 1999
D022	Separations Chronology 1972-1988	NA	NA	November 7, 1989
D023	Specifications for TRU Waste Drums/Filter Vents	NA	NA	Revision 0, March 24, 1986
D024	Statement of Work Chemical Inventory and Characterization of Waste Container Contents by Surface Acoustic Wave Technology	Westinghouse Savannah River Company	NA	Revision 0, November 28, 1994
D025	Savannah River Site Approved Site Treatment Plan, 1997 Annual Update, Chapter 4. Mixed TRU Waste Streams	NA	WSRC-TR-94-0608, Volume I and II	Rev. 5, 03/20/1997
D026	Solid Waste Division 1998 System Plan	Westinghouse Savannah River Company	WSRC-RP-98-00226, Volume 1	Revision 0, Date: N/A

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D027	Transuranic Waste Projections at SRS for Long Range Planning (U)	H. E. Hootman, J. R. Cook	WSRC-RP-94-451	Revision 1, April 1995
D028	SRS Data Preparation for the 1995 WIPP TRU Waste Baseline Inventory Report, Mixed Waste Inventory Report, and Integrated Database (U)	L. Williams, S.T. Mentrup, M.W. Clary	WSRC-RP-95-884	Revision 0, August 4, 1995
D029	Strategic Plan for Savannah River Site (SRS) Transuranic Waste	NA	WSRC-RP-96-182	Revision 0, September 19, 1996
D030	Savannah River Site Solid Waste Management Facility Safety Analysis Report	NA	WSRC-SA-22, WSRC Approval Draft	Revision 2, Reviewed November 25, 1998
D031	Savannah River Site Transuranic Waste Program	J.A. Blankenhorn	SWE-SWE-96-0195	Revision 0, May 15, 1997
D032	Transuranic Waste Vent and Purge Timeline and Authorization Basis Chronology (Discovery Unreviewed Safety Question and References)	E.B. Donner, W.T. Goldston	WSRC-TR-98-00154	Revision 0, June 2, 1998
D033	Savannah River Site Atlas Including Off-Site Locations and Building Index	Site Development Control & Mapping Section	OSR3-158	Revision 4, January 1995
D034	Transuranic Waste Baseline Inventory Report	Department of Energy, Carlsbad Area Office	DOE/CAO-95-1121	Revision 2, December 1995
D035	U.S. Atomic Energy Commission AEC Manual: Chapter 0511 Radioactive Waste Management	NA	AEC 0511-01, WMT	Approved September 19, 1973
D036	Policy Statement Regarding Solid Waste Burial, Immediate Action Directive	United States Atomic Energy Commission	IAD No. 0511-21	March 20, 1970
D037	Management of Transuranic Contaminated Material	Office of Defense Waste and Byproducts Management, U.S. Department of Energy	DOE 5820.1	September 30, 1982

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D038	Radioactive Waste Management	Assistant Secretary for Defense Programs, U.S. Department of Energy	DOE 5820.2	February 6, 1984
D039	Applicability of Bldg. 643-G Nuclear Safety Limits to Two New TRU Waste Containers	J. L. Forstner	DPSPU-82-272-53	April 29, 1982
D040	Solid Heterogeneous Job Control Waste Raw Material Characterization	Solid Waste Division Generator Services	WSRC-RP-95-897	Revision 1, October 27, 1997
D041	Response to DOE Request for Status on Procurement and Disposal of Yellow Pigmented Items at SRS (U)	Accompanied by Inter-Office Memo	SRT-WED-93-0222	Memo: August 27, 1993
D042	Development of an Integrated Facility for Processing TRU Wastes at the Savannah River Plant	M. D. Boersma, H.E. Hootman, P. H. Permar	DP-MS-77-74	December 5, 1977
D043	Chapter Twenty, Savannah River Site at Fifty: Stewardship and Legacy	SRS	NA	N/A
D044	Old Radioactive Waste Burial Ground	NA	NA	Revised draft 8/92
D045	Unreviewed Safety Question Process USQ Screening – Part A Long Form: Evaluation of the Review of HB- and FB-Line Measurement Bias Effect on Plutonium 238 and Pu-239 Quantities in Culverts and Drums on the SWMF SAR Analysis and TSR's	NA	USQ-SWE-970164	August 28, 1997
D046	Researcher Provides a Historical Perspective for Plutonium Heat Sources	Gary Rinehart	Actinide Research Quarterly	First Quarter 2001
D048	Technical Standards For H-Area B-Line Scrap Recovery	NA	DPSTS-221-HBL-100	July 1, 1991
D049	Technical Standards for H-Area B-Line, Neptunium Oxide Facility	NA	WSRC-TN-95-48-200	Revision 0, 5/96
D050	Characterization of HB-Line Low-Level Waste	Tamara E. Baldwin	WSRC-TR-94-0371	Revision 4, June, 1998
D051	Milliwatt Surveillance Program Ensures RTG Safety and Reliability	Trent Latimer	Actinide Research Quarterly	Winter 1994
D052	Systems Analysis - 200 Area Savannah River Plant HB-Line Operations	Kelley, H.M.; Slates, R.V.; Holtzscheiter, E.W.	DPSTSY-200-11	May 1978

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D053	Physical Behavior of Pu-238 Oxide (U)	J. W. Congdon	SRT-MTS-96-3026	October 17, 1996
D054	Thorium Processing in 221-H Technical Standards	NA	DPSTS-221H-TH	May 1970
D055	Technical Standard Enriched Uranium and Plutonium Scrap Recovery in Building 221-HB-Line	NA	DPSTS-221-HB-SCRAP	June 1976
D056	Safety Analysis - 200 Area; Savannah River Plant, Separations Area Operations, Building 221-H, B-Line, Plutonium Oxide Facility (Sup 2C)	W. C. Perkins, Ronald Lee, P. M. Allen, A.P. Gouge	DPSTSA-200-19-2	Revision 1, July, 1991
D057	Safety Analysis - 200 Area Savannah River Plant. Separations Area Operations; Building 221-H, B-Line Vault in Room 556. (Addendum to Sup 2C)	Ray Lux	DPSTSA-200-10 Sup 2C Add 1	09/1985
D058	HB-Line Basis for Interim Operation (U)	SRS	WSRC-RP-96-553	Revisions 7, 8, 9, 12/2000, 03/2001, 07/2001
D059	Applicability of RCRA Waste Codes to TRU Wste Generated in HB-Line Before 1986	NA	NA	December 4, 2002
D060	Calc Note - HB-Line Chemical Hazard Analysis (U)	Allison, David	SRT-SAE-93-9213	Revision 0, October 21, 1993
D061	Technical Standards for H Area B-Line Plutonium Oxide Facility	NA	DPSTS 221 HBL-300	Revision 1, 7/1/91
D062	Recovering U-235 and Pu-238-Pu-239 in Building 221-H	NA	DPSTS-221H-Pu-U	12/31/68
D063	Pu-236 Impurities in Pu-238 Oxide	Kyser, E.A.	DPST-88-XXX	December 9, 1988
D064	Separations Incident, SI-76-24 - Solids in Filtered Enriched Uranium Scrap Solution - 221-HB-Line	Mobley, R.M.	DPSPU-76-272-60	March 5, 1976
D065	Separations Incident, SI-76-16 - Unexpected Reaction in Scrap Recovery Dissolver - 221-HB-Line	Mobley, R.M.	DPSPU-76-272-41	February 19, 1976
D066	Separations Incident, SI-81-5-52 - Contamination Release, HB-Line Scrap Recovery Facility	Dickenson, J.E.	DPSPU-81-272-79	May 12, 1981
D067	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan	NA	NMS-EHB-990044	Revision 0, 2,3, 4, 9, July 1999 to August 2006
D069	Separations HB-Line Low-Level waste Certification Plan Assesment Report (U)	NA	SWE-WCA-94-0077, SWM-WCA-94-010	October 4, 1994

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D070	Operational Safety Requirements Separations Area Operations Building 221-H HB-Line	NA	WSRC-RP-90-36	Revision 0, May 1990
D072	SRS Solid Waste Container Management Plan (U)	NA	WSRC-RP-94-783	Revision 0, August 1994
D073	U.S. Department of Energy DOE and Major Contractor Recommendations for Announcement and Distribution of Documents - Cassini Pu-238 Program Sepcifications for Plutonium Dioxide Powder for General Purpose Heat Source Fuel (U)	Jack Duschinski	WSRC-TR-92-132	2/11/93
D075	1992 Renewal application for a RCRA Part B Permit, Savannah River Site Volume XIII – TRU Pads Facility and Waste Certification Facility, Revision B, December 21, 1993	NA	WSRC-IM-91-53	Revision B, WSRC-IM-91-53
D076	Technical Standard for the Management of Radioactive Waste at the SRP Storage/Disposal Facilities 643-7G, 643-29G, 709-2G	O.A.Towler	DPST-88-48-33	Revision 1, 3/10/89
D079	TRU Waste Acceptance Criteria for the Waste Isolation Pilot Plant	NA	WIPP/DOE-069	Revision 3, UC-70, January 1989
D080	Los Alamos National Laboratory Transuranic Waste Characterization/Certification Program - Acceptable Knowledge Summary Report for Combustible/Noncombustible, Metallic, and HEPA filter Waste Resulting from 238Pu Fabrication Activities	LANL, TWCP	TWCP-1042, LAUR-98-2016	2/19/98
D081	"Air Force Center For Environmental Excellence: Battery Disposal Fact Sheet."	NA	NA	05/102/2001
D082	"Passive Nondestructive Assay of Nuclear Materials"	Reilly, D., Ensslin, N., and Smith, Hastings	NUREG/CR-5520	March 1991
D083	Waste Characterization Sample Evaluation Guidance (U)	NA	WSRC-RP-95-530	May 3, 1995
D084	Technical Safety Requirements Savannah River Site - Solid Waste Management Facility (U)	Westinghouse Savannah River Company	S-TSR-E-00001	July 1995
D085	Technical Standard for New HB-Line	Du Pont	DPSTS 221-HBL-010	July 1, 1991
D086	Transmittal of SRS Audit Report of September 1989 to M.G. O'Rear	E.K. Hunter	WACCC: LPT 89-9077	December 12, 1989
D087	Waste Acceptance Criteria Certification Committee Audit Report of SRP Certification Activities, WIPP Project Office	E.K. Hunter, C.R. Henn	W88-5	February 17-19, 1988
D088	Savannah River Certification Plan for Newly Generated, Contact-Handled Transuranic Waste	NA	DPSP 84-17-1	Revision 4, June 5, 1987

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D089	HB-Line and H-Canyon Worker Safety	Heal, D.W.; Palk, I.K.; Swenson, G.R.	WSRC-TR-95-0095	Revision 0, March 7, 1995
D090	Test Authorization No. 2-917 for Cleanup of Room 311 Sumps	T. Reilly	DPSOX 8876	December 28, 1976
D091	"Land Disposal Restrictions for Newly Listed Wastes and Hazardous Debris " Federal Register: 40 CFR Parts 148, 260, 261, 262, 264, 265, 268, 270, and 271	U.S. Environmental Protection Agency	Vol. 57, No. 160	Tuesday, August 18, 1992
D092	Low Leval Radioactive Waste/Mixed Waste Certification Plan Separations HB-Line Facility	B.M. Picciano, HB-Line System Engineering	NMP-SHB-93-0361	Revision 14, August 30, 2001
D093	Backlog Waste Reassement Baseline Book Waste Form 54 Filters and Filter Waste	NA	NA	October 21, 1994
D094	National Spent Fuel Program Report of RCRA Characteristics of DOE-Owned Spent Nuclear Fuel	U.S. Department of Energy	DOE-SNF-REP-002	Revision 4, December 1997
D095	History of Du Pont at the Savannah River Plant	W.P. Bebbington	NA	Date N/A
D096	Savannah River Site Approved Site Treatment Plan, 2002 Annual Update	NA	WSRC-TR-94-0608	10, March 2002
D097	238PuO2 Cationic Impurity Specifications	NA	DPSPU-76-272-189	6/3/1976
D098	SRP Thorium Processing Experience	D. A. Orth	DPSPU 78-30-3	June 1978
D099	Sample Schedule for HB-Line and the Compact Billet Line in 235-F	J. A. Porter	DPSPU-77-272-93	4/4/1977
D101	Works Technical Report for July 1977	NA	DPSP 77-1-7-EX	July 1977
D103	Building 221H - Transplutonium Technical Standards	NA	DPSTS-221H-TP	11/3/1964
D105	Works Technical Report for May 1981	NA	DPSP 81-1-5	May 1981
D106	Specific Chemical Forms for WIPP Performance Assessment and Finalization of Chemical Lists Submitted for TRUPACT-II SAR	R. G. Garvin	WMT-89-0015	6/9/1989
D107	Active Well Neutron Coincidence Assays for U-235 Content in HB-Line Desicooler Repackage Campaign at the Savannah River Site	R. A. Dewberry; V. R. Casella; D. M. Smith, S. R. Salaymeh	WSRC-MS-2003-00876	Revision NA, 07/21/2004
D108	Analysis of Events Associated with First Charge of Desicooler Material	D. E. Alexander, WSRC	WSRC-TR-2003-00242	Revision 1, 2003

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
D109	Draft Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to Production of Radioisotope Power Systems	T. Frazier	DOE/EIS-0373D	June 2005
D110	Westinghouse Savannah River Company Annual Report 2003	Bob Pedde	NA	NA, 2003
D111	Westinghouse Savannah River Company Annual Report 2004	Bob Pedde	NA	NA, 2004
D112	Annual Report Washington Savannah River Company 2005	Bob Pedde	NA	2005
D113	Washington Savannah River Company Setting the Stage for Tomorrow, 2006 Annual Report	Bob Pedde	NA	Date: N/A
D114	Neutralization of Plutonium and Enriched Uranium Solutions Containing Gadolinium as a Neutron Poison	Michael G. Bronikowski and Tracy S. Rudisill	WSRC-TR-2004-00053	Rev. 0, 2/2004
D115	Dissolution of FB-Line Residues Containing Beryllium Metal	Tracy S. Rudisill and Mark L. Crowder	WSRC-TR-2005-00042	Rev. 0, 2/2005
D116	HB-Line Safety Analysis Report (U)	NA	WSRC-SA-2001-00009	Rev. 5, August 2006
D117	Annual Report 2007 Washington Savannah River Company-On the Threshold of the Future	NA	NA	2007
D119	Characterization Phase II Waste Stream for Neptunium (Np) Part II	SRS	N-CLC-H-00451	Rev. 2, 9/27/07
D120	Dissolution of Fissile Materials Containing Tantalum Metal	T. S. Rudisill; M. Crowder; M. Bronikowski, SRS	WSRC-STI-2007-00285	Revision 0, 05/2007
D122	HB-Line Facility Transuranic (TRU) Waste Certification Plan	S. J. DeVoe Bland; M. T. Pelc	N-WCP-H-00001	Rev. 1, 0, 06/30/09; 06/2008
D126	Waste Incidental to Reprocessing Citation Determination	SRS	Q-CIT-G-00001	Rev. 0, 04/2010
DR001	Discrepancy Resolution: Physical Form Leaded Gloves	Ben S. Gutierrez	NA	03/21/2003
DR002	Discrepancy Resolution: U Listed Chemical Hydrofluoric Acid	Jerri McTaggart	NA	03/23/2003
DR003	Discrepancy Resolution: Toxicity Characteristic Organic Solvent Hazardous Waste Codes	David B Becker	NA	3/20/03
DR004	RCRA F-Listed Pre-1990 Debris	Julia Whitworth	NA	3/24/03
DR006	RCRA F-Listed Post-90 Debris Waste	Julia Whitworth	NA	3/22/03

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
DR007	Hydrazine	Wes Estill	NA	3/21/03
DR008	RCRA U and P codes.	Jerri McTaggart and Ben Gutierrez	NA	03/24/03
DR009	Radionuclides-Accountability Books versus Burial Ground Record	D. Becker	NA	09/22/2004
DR010	Radiological Distribution-GoWest Database versus Burial Ground Records	D. Becker	NA	09/22/2004
DR011	RCRA Toxicity Characteristic Metals for Pre-1990 waste streams	David B Becker	NA	3/21/03
DR012	RCRA Toxicity Characteristic for Hg	David B Becker	NA	3/21/03
DR013	Consolidation of waste streams	David B Becker	NA	10/27/03
DR014	Discrepancy Resolution - Cs-137	David B Becker	NA	10/27/03
DR015	Discrepancy Resolution: Over-reporting of uranium isotopes	David B Becker	NA	7/23/2004
DR016	Thorium Issue	Anne Hallman	NA	9/22/04
DR019	Discrepancy Resolution: Application of Organic F- and D-Codes on HEPA Waste Stream	Jeff Harrison	DR019	NA, 09/10/2009
M001	Requests for Equipment Retirement	B. Arnold	OSR 19-76	May 30, 1991-September 30, 1991
M002	Savannah River Site Nonconformance Report NP-237 TRU Waste Drum; Memo: Shipment of High Radiation Rate TRU Drum to the Solid Waste Disposal Facility; Draft Memo: Misinterpretation of Packaging and Storage Requirements	J.R. Shappell, Various Authors	90-NCR-020-1009	November 29, 1990, December 4, 1990
M003	D&R Daily Report	NA	NA	May 17, 1990
M008	SRS Occurrence Reports - Contamination	NA	NA	NA
M009	TRU Waste Drum Data Sheet for Five Containers	NA	NA	11/27/1990 - 11/29/1990
M010	Calculation: Hydrogen Control During Phase II Operation with 50 Grams of Plutonium	David Alexander	N-CLC-H-00454	Revision 4, September 3, 2002
M011	Go West Database Query	S. Mentrup	NA	December 13, 2002
M012	Operations Pre-Plan Checklists (ADM-HB-4177)	NA	NA	NA

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M013	Nuclear Safety and Heat Load Limit - Container Record Sheets	NA	NA	NA
M014	Burial Ground Records and TRU Waste Package Data Forms	SRS Waste Generators	NA	Varies
M015	TRU Waste Container Characterization Forms (OSR 29-90)	SRS Generators	NA	Various
M016	Unresolved Safety Question (USQD) HBLINE-97-0308	C. Beaumier	HBLINE-97-0308	10/9/97
M017	Unreviewed Safety Question (USQ) Process Screening Form HBLINE-97-0306	C. Beaumier	USQ-HBLINE-97-0306	10/3/97
M018	Handwritten Notes on HB-Line and Old B-Line TRU Waste Attributes	Unknown	NA	Unknown
M019	Handwritten Notes on HB-Line Assay	Unknown Author	NA	Unknown Date
M020	Scrap Recovery Facility Round Sheet	NA	T/S 221-HB-4161	11, 10/23/97
M021	Dismantlement and Decontamination at the Savannah River Site	R. (Bob) Smith	NA	November 17, 1993
M022	HB Line's New Facility Finishes First Campaign	F. Poda	NA	Date: NA
M023	Radiological Work Permit for packaging of a high rate HEPA filter from Rm 514.	L. Woodruff	97-HBL-124	Revision 0, 2/2/97
M024	Request/Approval for Deviation to SRS WAC Forms	B. Bush	SWMD-RFD-97-083 to -085	August 1997
M026	SR-W027 DOE Waste Stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MITI)	NA	NA	Revision 0, December 7, 1996
M027	Chronological History of the TRU Drum Vent Filter	NA	NA	NA
M028	History of Transuranic Waste Management at the Savannah River Site	Author: NA	NA	Date: NA
M029	EPA Potential Hazardous Waste Site Preliminary Assessment Part 1 - Site Information and Assessment	NA	NA	November 23, 1988
M030	Characterization of SRP Retrievably Stored Transuranium Waste	NA	NA	Estimated Date is 1980
M031	01 Waste Management: 4J Long-Range Management of Solid Radioactive Waste	NA	NA	Estimated Date is 1974.
M032	200 F/H Area Metallurgical Report	C.F. Jenkins	NA	August 27, 1982
M033	Stock Requests (drums, liners, gaskets)	NA	NA	1974

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M034	Presentation: Savannah River Site Mixed Waste Streams Data and Photo Catalog	NA	NA	04/30/1996
M035	TRU Pads 1-13 Storage Inventory (through 7/31/89)	NA	NA	July 31, 1989
M036	TRU Waste Mission	Solid Waste Engineering	NA	Date Unknown
M037	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)	NA	NA	February 1997
M038	Waste Storage TRU Pad Inventory	NA	NA	1977-1985
M039	Mixture of TRU Pad Inventory, Hand Calculations, and Radionuclide Quantities for TRU Pads	NA	NA	1990, 1992
M040	Presentation: Savannah River Site Transuranic Waste Program	B.A. Daugherty	NA	November 7, 1994
M041	Presentation: Savannah River Site Waste Characterization Plans	Steve Mentrup	NA	December 3, 1992
M042	Expected Accomplishments in FY-1974	NA	NA	1974
M043	Table I: Nuclear Safety Limits for Burial Ground TRU Storage	NA	NA	NA
M044	COBRA Conversion Table	NA	NA	December 31, 1985
M045	Burial Ground Studies	Author Unknown	NA	NA
M046	Power Point Presentation: Storage and Disposal History	NA	NA	Post 1992
M047	TRU Waste	Joe D'Amelio	NA	Post 1992
M048	Fluorescent Tube Disposal Gets OK	Contact; Dudley Russell, REECo	NA	Volume 5, No. 5, May 1995
M049	Soil Sampling Data from the Retrieval Effort	Obtained from Bob Brookshire, SRS SWM	NA	circa 1999
M050	Headspace Gas and Filter Vent Data from the Retrieval Vent and Purge Effort	Obtained from Melissa Clary, SRS SWM	NA	1998-1999
M051	MSDSs	Obtained from commercial sites and/or SRS	NA	NA, NA

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M052	COBRA Database Update	Steve Mentrup	NA	January 2002
M053	"TRU Waste Disposition Plan Notes" Binder	NA	NA	NA
M054	Miscellaneous SRS Maps and Location Information	Author: NA	NA	1993
M055	Questions Regarding Drum Retrieval Plans	NA	NA	June 12, 1994
M056	Old HB-Line Pu-238 Powder Can Inventory	NA	NA	October 13, 1989
M057	Waste Acceptance Criteria for USF/HB-Line Waste Handling Facility	NA	NA	NA
M058	Notes - HB-Line TRU Waste	NA	NA	NA
M059	Pu-242 Sample Results	NA	NA	November 16, 1996
M060	Spreadsheet - STP-055 Not Processed Rad Detail	NA	NA	March 18, 1999
M061	Figure 2 - Schematic of New HB-Line Plutonium-238	NA	DPSTS 221-HBL-300	Revision 2
M062	Old HB-Line Pu-238 Powder Can Inventory	NA	NA	N/A
M063	Handwritten table of chemical information	NA	NA	unknown
M064	Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual	NA	SWMD-RFD-96-012	Revision 3, 8/28/96
M065	Request/Approval for Deviation to SRS Waste Acceptance Criteria Manual	NA	SWMD-RFD-2000-0107	Revision 1, Various
M066	HB-Line Inventory Tracking Spreadsheet	J. Whitworth	NA	Revision 2a, Date N/A
M067	Phase III Flowchart	NA	NA	December 30, 1992
M068	Savannah River Inspection Report TRU-Waste Shipping, HB-Line Verification Inspection Report No. 97-IR-03-2300	NA	SEP-QVI-W002	Revision 1, 10/01/97
M069	HB-Line Process History 8/11/70 Through 10/25/74	Author: NA	NA	Date: NA
M070	Pu-242 Load Out Data	NA	NA	NA
M071	Notes Taken 11-21-02 from H-Canyon, Visit to Mark Price, Technical Advisor	Estill, Wes	NA	11/21/02
M072	Assay Equipment	Unknown author	NA	NA

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M073	Accountability Book: Uranium Receipts, Charges, Transfers	NA	NA	1972-1987
M074	HB-Line Isotopics	R. Mahannah	NA	NA
M075	Accountability Book: Pu Oxide Book II, Phase III	NA	SR-IC-50	1986-1988
M076	Customer Sample Report, HB-Line Phase II Analytical Data	Analytical Laboratories, SRS	NA	November 30, 2002
M077	HB-Line LAP Analytical Data	NA	NA	NA
M078	HB-Line Phase III Product	NA	NA	1993-1996
M079	Accountability Book: Pu Oxide II	NA	SR-IC-50	1980-1984
M080	Accountability Book 7	NA	WSRC-RP-91-1101	1986
M081	Accountability Book 2	NA	WSRC-RP-91-1096, OSR 32-58	1973
M082	Clarification of Scrap Declaration	Wayne R. Amos	NA	8/5/91
M083	Storage Configurations, Mound Scrap Material that was Used in Cassini	NA	NA	Pre December 2002
M084	Authorization to Ship Nuclear Materials	Westinghouse SRS Co	0SR 39-25	06/13/1995
M087	Handwritten Notes - TRU Program Assessment Outbriefing	NA	NA	October 12, 1995
M088	Miscellaneous Presentations - WIPP/WAC Requirements and TRU Waste	NA	NA	NA
M089	Specification for Procurement of TRU Waste Storage Drums	J.R. Shappel	NMP-WMG-910067	Revision 1, May 17, 1991
M090	Procurement Specification for 90 Mil Polyethylene Drum Liner/Lid	J.A. Caudill	M-SPS-G-00003	Revisions 0, 1, November 26, 1991 and March 4, 1992
M091	Procurement Specification for 55 Gallon Painted Steel Drum	J.A. Caudill	M-SPS-G-00002	Revisions 0 to 4, December 12, 1991 to October 21, 1996

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M092	Procurement Specification for 3/4 Inch Diameter Drum Filter Vents (U)	J.A. Caudill	M-SPS-G-00004	Revisions 0 to 3, November 26, 1991 to March 15, 1994
M093	FACTSHEET: Lighting Waste Management	http://www.afcee.brooks.af.mil/pro-act/fact/oct98.asp	NA	5/23/2002
M094	Accountability Book 4	NA	WSRC-RP-91-1098	1977
M095	Accountability Book: SR-IC-50 and MOUND Pu-238 Guide: Receipts and Waste to Burial Ground	NA	SR-IC-50, Topic 162.2, MOUND Pu-238 Guide Topic 18	1971-1982
M096	Accountability Book: Scrap Book II, Receipts, Dissolver Charges, Waste to Burial Ground	NA	SR-IC-5	1983-1998
M097	Vent and Purge (V&P) Data for SRS HB-Line Containers	NA	NA	NA
M098	Low Level Mixed Waste Inventory from HB-Line, Post-1990	NA	NA	Received January 10, 2003
M099	Chemical Inventory Data	NA	NA	1990-2002
M100	Description of Contamination Incident	NA	NA	NA
M101	Unclassified Isotopics Documentation for Mound Waste	Jim Barber	NA	December 5, 2002
M102	Spreadsheet "HBL W027 Rad Anal"	J. Whitworth	NA	3/14/03
M103	Spreadsheet of Radiological Analysis for Waste Stream SR-W026-221H-Het-A "HBL W026-Het-A Rad Analy"	J. Whitworth	NA	3/13/03
M104	Spreadsheet of Radiological Calculations "HBL W026-Het-B Rad Anal 3-13"	J. Whitworth	NA	3/15/03
M105	Spreadsheet of Radiological Calculations for Waste Stream SR-W027-221H-HEPA "W027 Hepa Rad Analy"	J. Whitworth	NA	3/15/03
M106	Spreadsheet of Radiological Calculations for SR-T001-221H-HEPA "T001 HEPA Rad Analy"	J. Whitworth	NA	3/15/03
M107	Spreadsheet of Radiological Data from TRU Waste Container Characterization (29-90) Forms "29-90 Excel Table"	J. Whitworth	NA	3/10/03
M108	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)	David B Becker	NA	Date N/A

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M109	Evaluation of 62 Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)	David B Becker	NA	Date N/A
M110	Evaluation of 32 Additional Containers for SRS-4 Waste Stream SR-W027--221H-HET (HB-Line)	David B Becker	NA	Date N/A
M111	Excel spreadsheet: Volume percent organic analysis for SR-W027-221H-HET containers.	David B Becker	NA	7/21/2004
M112	Excel spreadsheet: waste material parameter analysis for SR-W027-221H-HET waste stream	NA	NA	Date N/A
M113	Excel Spreadsheet -- Radionuclide Analysis	NA	NA	Date N/A
M114	Memo regarding radiological analysis of SRS-4 waste stream SR-W027-221H-HET	David B Becker	NA	6/30/2004
M115	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions	SRS generators	Document Number and Revision: NA	Date: Various
M118	Request/Approval for Deviation to SRS WAC Manual	Spitzer	SWMD-RFD_99-020	1, 9/30/1999
M119	Request/Approval for Deviation to SRS WAC Manual	Allen	SWMD-RFD-2000-0107	11/1/2000
M120	Memo regarding uranium isotopics of SRS-4 waste stream SR-W027-221H-HET	David B Becker	NA	7/21/2004
M121	Acceptable Knowledge Payload Management Calculations for CCP-SRS AK Reports 1 through 7	David B Becker	NA	11/15/04
M122	Acceptable Knowledge Beryllium Assessment for CCP-SRS- AK Reports 1 through 7	David B Becker	NA	11/15/04
M123	SRS Inventory Update	Jeff Lunsford, SRS	NA	Date N/A
M124	Evaluation of 119 Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)	NA	NA	Date N/A
M125	TRU Waste Container Characterization Forms (OSR 29-90) for drum additions 6/1/05	SRS	NA	2003-2005
M126	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line). May 19, 2006	J. Harrison	NA	NA, 5/19/2006
M127	29-90 Forms for drums Added May 19, 2006	NA	NA	NA, Various
M130	White Paper from Joe Harvill: Correlation of Plutonium Content with Measured Np-237 Activity	J. Harvill	NA	NA, 02/21/2007
M131	INL-Built Nuclear Power Systems Crucial to Future Space Missions - A Growing Mission with Visibility	INL - Internet Document	NA	03/26/2007

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M132	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221-HET (HB-Line)	NA	NA	4/3/2007
M133	Support Data for The Addition of Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)	Various	NA	NA, Various
M134	Material Safety Data Sheets (MSDS) for Decon Products In NOP 221-HB-4989	N/A	NA	NA, Various
M135	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET	James Luginbyhl	NA	2/14/2008
M136	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET added 8/19/2008	James Luginbyhl	M136	08/19/2008
M137	Transuranic Waste Container Characterization Forms (29-90) for drums added 8/19/2008	SRS Generators	NA	Various
M138	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET, Dated September 26, 2008 and RTR Quick Screen Data Sheets for 4 Drums - SR63400X; SR63400Y; SR63400z; and SR67051	James Luginbyhl	NA	9/26/2008
M142	Transuranic Waste Container Characterization Forms (29-90) for drums added 10/10/2008	SRS Generators	NA	Various
M146	Radiological and Waste Material Parameter Calculations for SR-W027-221H-HET-C and -HET-D	L. Watson	M146	01/27/2009
M159	Evaluation of Additional Containers for SRS-4 Waste Stream SR-W027-221H-HET (HB-Line)	Mark Doherty	NA	NA, 08/06/2009
M160	Memo to Bettie Bush from B.P. Payne re: Waste Characterization of FB-Line's Sweepings Campaign	B.P. Payne	CBU-HCP-2005-00342	Rev. 1, 03/01/2006
M161	EAV/CIF Low Level Waste Stream Characterization Forms (WITS)	NA	NA	NA, 2009
M162	Unreviewed Safety Question Process, USQ Screening - Part A re: Creation of HB-Line TRU Waste Streams, 800 Underground TRU Waste Streams, and Creation of TRU Pad 98 in WITS	N.S. Roddy	USQ-SWE-2006-0098	NA, 04/05/2006
M164	Black Box Repackaging	SRS	NOP 221-H-8826	Revs. 7, 8, 26, 02/14/2007, 6/9/2011
M165	Black Box Repackaging Data Sheets	SRS	NA	Date N/A
M169	Waste Stream SR-RH-221H.01 Container Specific Evaluation Information	Various	NA	NA, Various
P001	Excess Permanganate, Technical Reference, Procedure Manual L3.11	NA	NA	6/27/01
P002	CMC Analysis/Operation/Maintenance OJT Guide, Trainee Study Guide	NA	SS061145	Revsion 1
P003	Proper Disposal of Hazardous Waste in RCA	NA	NA	10/18/90

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P004	H-Canyon / Of-H / Old B-Line Facility-Specific Waste Minimization Plan	NA	NMP-SHC-91-658	Revision 1
P005	Accessing High Radiation Areas (U)	NA	NOP 221-HB-4024	Revision 1, 6/11/97
P006	Product Discard Above NOP Limits	NA	NOP 221-HB-4736	Revision 2 and Draft A, July 1991, April 1996
P007	Changing Internal Cabinet HEPA Filters and Cabinet Supply HEPA Filters, Phase I (U)	NA	NOP 221-HB-4955	Revisions 1-3, December 1997 to January 1998
P007A	Changing Internal Cabinet HEPA Filter and Cabinet Supply HEPA Filter (U)	NA	SOP 221-HB-4986	Revision 2 and 3, August 1994, April 1996
P008	Returning Pu-239 TRU Waste to be Repackaged in the North Line Scrap Recovery and Waste Handling Cabinets (U)	NA	NOP 221-HB-4772	Revisions 0-4, August 1997 to April 1998
P010	Transporting, Storing, and Recording Waste Data for Plutonium (Pu)-239 (U)	NA	NOP 221-HB-4763	Revision 1, 2, 4-6, 16, December 1997 to February 2000
P011	TRU Waste Drum Data Sheet for Pu-239 (U)	NA	NOP 221-HB-4748	Revisions 1, 2, 6, October/December 1997
P012	Assay Waste on the Portable PHA	NA	NOP 221-HB-4753	Revision 0, November 9, 1998
P014	Packaging and Sealing TRU Waste in 55-Gallon Drums	NA	NOP 221-HB-4720	Revisions 11-19, 23, 24, 28, 29, 30, January 1997 to June 2003
P015	Cabinet Bagport Operations (U)	SRS	NOP 221-HB-4927	Revisions 7-10, 13, 14, 22, 46, September 1996 to 12/15/2006

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P016	Operations Pre-Plan Checklist/Pre-Job Briefing (U)	NA	ADM 221-HB-4177	Revision 6, December 20, 1997
P017	Operating Np/Pu-Oxide and Waste Handling Facility Glovebox Exhaust Fans (U)	NA	NOP 221-HB-4814	Revisions 5, 6, October/November 1997
P018	Packaging HB-Line TRU Waste	SRS	NOP 221-HB-4721	Revs. 31, 26, 11, 8, 7, 6, 4, 1, 01/1985 - 11/12/2007
P019	Gamma Spec; Pu-239 and U-235	NA	L3.11-10013	Revision 6, 10/23/03
P020	Low-Level Waste Radioactive Content Validation (U)	NA	NOP 221-HB-4705	Revision 1, October 22, 1998
P021	Replacing Installed (Zollinger) Gloves (U)	NA	NOP 221-HB-4923	Revision 3, September 26, 1996
P022	Changing Gloves/Bags/Safety Covers Using Glove Ejection Tool (U)	NA	NOP 221-HB-4922	Revision 10, January 27, 1998
P023	Cleaning and Removing Plastic Huts (U)	NA	REF 221-HB-4934	Revision 2, January 17, 1996
P024	Draining of Process Jacket Piping (U)	NA	NOP 221-HB-4561	Revision 3, October 20, 1997
P025	Flushing and Transferring Recovery Cabinet Sumps (U)	NA	NOP 221-HB-4234	Revisions 7, 8, 21, December 1997, October 2003
P026	Handling TRU Waste (U)	C. P. Sims, SRS	ADM 221-HB-4712	Revision 7-9, 09/30/1996 - 01/29/1998
P027	Neutralization of Acidic Wipes (U)	NA	REF/NOP 221-HB-4729	Revisions 1-3, drafts A and B, February 1996 to December 1997

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P028	Adding Chemicals to Scrap Recovery Dissolvers, Product Hold Tanks, Filtrate Tank, and the Vessel Vent Catch Tank (U)	NA	NOP 221-HB-4265	Revisions 2, 3, October/December 1997
P029	Dissolution of Pu-239 Scrap (U)	NA	NOP 221-HB-5416	Revisions 0, 7, October 1997
P030	Scrap Recovery Glovebox Exhaust Fan Operation (U)	NA	NOP 221-HB-4810	Revision 5, October 26, 1997
P031	Inspecting, Removing, and Installing Scrap Recovery Process Filter Media (U)	NA	NOP 221-HB-4222	Revision 7, May 10, 1996
P032	Handling TRU Waste Drums (U)	NA	REF 221-HB-4741	Revision 3, March 25, 1996
P033	HB-Line Facility Flush Program (U)	NA	NOP 221-HB-4959	Revision 0, June 26, 1996
P034	TRU Waste Drum Data Sheet for Plutonium (Pu) 242 (U)	NA	NOP 221-HB-4765	Revision 0, June 20, 1996
P035	Scrap Recovery North Line Pu-239 Material Holdup Determination	Unknown	NOP 221-HB-4410	Revision 0, 11/6/97
P036	HB-Line Facility Process Filter Cleaning (U)	NA	NOP 221-HB-4551	Revisions 4, 5, July/October 1997
P037	Changing HEPA Filters in Room 605/610 (U)	NA	NOP 221-HB-4991	Revisions 4, 6, August 6, 1997, 6/21/01
P038	Dissolution of Pu-239 Scrap (Cold Runs) (U)	NA	NOP 221-HB-5416C	Revision 1, October 21, 1997
P039	Pu-239 Inventory Location (Cold Runs) (U)	NA	NOP 221-HB-5466C	Revision 0, 1, October/November 1997
P041	Establishment of Fissile Waste Storage Arrays, Unassayed Waste Hold Down Locations, and Transport Zones (U)	NA	NOP 221-HB-4714	Revision 0, December 23, 1997
P042	Inspecting and Assembling 55-Gallon Waste Drum Units (U)	NA	NOP 221-HB-4719	Revisions 4, 12, December 11, 1996; 10/7/02

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P043	Pickling and Assembling the EP-60 Product Containers (U)	NA	NOP 221-HB-4100	Revision 4, March 31, 1995
P044	Transferring Dilute Nitric Acid to and from Beaker CN-6 (U)	NA	NOP 221-HB-4604	Revision 4, February 6, 1996
P045	Packaging and Disposing of Dry Radioactive Waste	NA	DPSTP-R-141	November 1974
P046	Special Products HB-Line; Chapters I, II, III, V, & VII	NA	DPSOP 105, Chapters 1-3, 5, 7	Revisions 6-10, September 1964 to August 1966
P047	Repackaging of TRU Waste Drums Returned from the Solid Waste Disposal Facility	NA	NOP 221-HB-4743	Revision 11 and 12, January 7, 1999
P048	Sealing Fiberglass Boxes which Contain TRU Waste with TRIMCO Gasket	Separations Department	DPSOL 643-G-2025	Revision 0, 7/76
P049	General Decontamination (U)	NA	REF 221-HB-4989	Revision 3, 11, 1/8/1996; 10/17/2005
P050	Savannah River Site Waste Acceptance Criteria Manual, E-Area TRU Pads Transuranic Waste Acceptance Criteria	NA	WSRC-1S, Sect. 3, WAC 3.06	Revision 0, Draft, Revision 11, Revision 12, 04/30/2005,06/30/09
P051	Storing TRU Waste in Concrete Containers	Separations Department, Waste Handling Facilities	DPSOL 643-G-2011	Revision 6, May 1978
P052	Drum Retrieval from TRU Pads 2-6 (U)	NA	643-E-58, Q-R-S-NCSC	Revisions 0, 4, August 13, 1997
P053	WM-Special Procedure, X-Ray Inspection of TRU Waste Drums on Pad 12	NA	NA	December 11, 1987
P054	Storage of Transuranium (TRU) Waste	NA	DPSOL 643-G-2018	Revisions 1, 3, 5, 7, 12/1975; 05/1978; 01/1979; 09/1981
P055	Shipping Waste to Burial Ground	Separations Department	DPSOL 221-HB-2392	Revision 0, December 1966

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P056	Packing TRU Waste and Sealing in 55-Gallon Drums	NA	DPSOL 241-FH-40	Revision 1, July 1977
P057	Savannah River Plant, Management of Solid Radioactive Waste/Radiation and Contamination Control includes DPSOP 40: Burial Container Limits	NA	DPSOP 40	Various Revisions, 1970-80s
P058	Repackaging TRU Drummed Waste at 643-G	SRS	NA	01/22/1975
P059	Handling Transuranium Waste in 221-H Canyon & 211-H Facility	Separations Department	DPSOL 221-H-8028	Revision 0, November 1974
P061	Identifying TRU Drums With Missing Container ID Tags (U)	Solid Waste Management Facility Operating Procedure	643-E-88, Q-R-S-NCSC	Revision 3, August 7, 2001
P062	Burying Classified Waste at Building 643-G	Separations Department, Waste Handling Facilities	DPSOL 643-G-2012	Revision 3, March 1978
P063	Handling Radioactive Waste	Separations Department	DPSOL 221-HB-2393	Revision 0, Estimated Date is July 1974
P064	Completing TRU Waste Burial Records	Separations Department	DPSOL 221-HB-2422	Revision 1, March 1982
P065	Using the H-Area B-Line PHA to Count Waste Containers	Separations Department	DPSOL 221-HB-2290	Revision 1, February 1983
P066	Gamma Pulse Height Analyzer Waste Monitor Worksheet	Separations Department	DPSOL 221-HB-2294	Revision 1, July 1982
P067	Cabinet Bag Port Operations	Separations Department	DPSOL 221-HB-2315	Revision 4, January 1983
P068	TRU Waste Drum Data Sheet	Separations Department	DPSOL 221-HB-2421	Revision 3, January 1983
P069	Packaging and Sealing Contaminated HEPA Filters in Polyethylene Boxes	Separations Department	DPSOL 221-HB-2423, D-101	Revision 1, June 1982 and 1991
P070	Disposal of Nonacidic Contaminated Liquids	Separations Department	DPSOL 221-HB-2426	Revision 1, June 1982
P071	Neutralization of Polypropylene Filter Bags in Scrap Recovery	Separations Department	DPSOL 221-HB-2641	Revision 1, September 1982

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P072	Neutralization of Polypropylene Wipes in Scrap Recovery	Separations Department	DPSOL 221-HB-2642	Revision 1, September 1982
P073	Completing TRU Waste Burial Records and TRU Waste Data Package	Corbett, R.D.	D-103, REF 221-HB-4725	Rev. 5, 6, 7, 8 and Special Procedure, 3/6/91, 3/17/93, 6/20/1996, 5/29/98, 1/12/99
P075	TRU Waste Drum Data Sheet	Corbett, R.D.	D-102	March 31, 1991
P076	Ordering, Purchasing, and Handling of Blue Dot Chemical Products (U)	Separations/HB-Line	SOP 221-HB-4756	Revision 0, August 27, 1991
P077	Handling Chemicals	NA	ORM 221-HB-4025	Revision 0, 1/3/01
P078	Handling HB-Line Samples	NA	ORM 221-HB-4025	Revision 0, 1/3/01
P080	Procedure Manual SS5-11: Evaluating Pu-238 Scrap Material for HB-Line Reprocessing (U)	Separations/HB-Line	SOP 221-HB-4199	Revision 0, 11/25/1992
P081	Potassium Permanganate (KMnO4) Neutralization and Disposal	NA	NOP 221-HB-4650	Revision 2, September 19, 2000
P082	Neutralization of Polypropylene Filter Bags in Scrap Recovery (U)	NA	REF 221-HB-4241	Revision 6, February 21, 1998
P083	Neutralization of Phase II Non-filter Waste	SRS	NOP 221-HB-5007	Revision 0, 2, April 29, 2002; 9/27/2005
P084	Filter Changeout and Neutralizing Waste/Filters	NA	NOP 221-HB-5001	Revisions 3,4, February 12, 2002; 2/14/03
P085	Sample Receiving/Reporting Results (U)	NA	L3.11-00003	Revision 3, December 31, 1998
P087	Oxalic Acid Molarity, HBLine	NA	L3.11-10008	Revision 2, June 27, 2001
P088	Packing TRU Waste and Sealing Drums	NA	DPSOL 241-FH-2020	July 1975

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P089	Shipping Waste to Burial Ground	Separations Department	DPSOL 221-HB-9600	April 1964
P090	Suspect Waste Management Program (U)	Separations/HB-Line	SOP 221-HB-4716	Revision 2, 01/27/93
P091	Packaging and Sealing TRU Waste in 83-Gallon Drums (U)	NA	NOP 221-HB-4711	Revision 1, 1/12/00
P093	Completing TRU Waste Burial Records and TRU Waste Data Package for Pu-239 (U)	NA	REF 221-HB-4799	Revision 0, 10/20/97
P094	Packaging Non-Process Cabinet TRU Waste and TRU Decontamination Waste into Drumliners	SRS	NOP 221-HB-4710	Revision 0, 13, 12/04/00; 11/8/2006
P095	Operating the Gamma Pulse Height Analyzer for U-235 Waste	Separations Department	DPSOL 221-HB-2299	Revision 0, September 1975
P096	Operating Gamma Pulse Height Analyzer for Pu-238 Waste	Separations Department	DPSOL 221-HB-2298	Revision 0, September 1975
P097	Operating the Gamma Pulse Height Analyzer for Np-237 Waste	Separations Department	DPSOL 221-HB-2297	Revision 0, September 1975
P098	Cabinet Glove Port Work	Separations Department	DPSOL 221-HB-2320	Revision 0, June 1982
P099	Removing Product from Mechanical Line	Separations Department	DPSOL 221-HB-2070	Revision 4, July 1982
P101	Installing and Removing Polypropylene Filter Bags	Separations Department	DPSOL 221-HB-2640	Revision 0, January 1983
P103	Handling of Low-Level Radioactive Solid Waste	NA	REF 221-HB-4700	Revision 15, 4/30/2001
P104	Solids Rinsing, HBLine (U)	NA	L3.11-10017	Revision 1, 8/27/1999
P105	Dissolution of Fissile Scrap	NA	DPSOL 221-HB-5270	Revision 2, 07/06/1989
P106	Absorbing Containerized Liquids	NA	221-F-55012	Revs. 2, 9, 14, 9/19/2006, 3/11/2010, 6/21/2011

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P107	TRU Drum Remediation Process	NA	SP-18-002	Revs. 5, 6, 7, 9/12/2006, 12/12/2006
P108	Phase I Glovebox Cleanup and Neutralization of Acidic Wipes	SRS	IOP 221-HB-2150; 836	Revision 3 and 6, 11/8/2006; 6/26/2008
P109	Controls for Waste Containers That Requires Further Processing & Procedure Change Request	Jud Bing	REF 221-HB-4766	Rev.2, 11/08/2006
P110	TRU Drum Repackaging	NA	221-F-55006	Revs. 10, 32, 47, 10/26/2006, 5/4/2010, 3/27/2012
P111	MRS Operations (U)	NA	SW15.3-SOP-MRSOPS-01	Rev. 3, 3/1/2007
P112	TVEF Operations (U)	B. A. Mayancsik, SRS	SW15.3-SOP-TVEFOPS-01	Rev. 2, 3/1/2007
P113	Packaging Phase I (Scrap Recovery) TRU Waste	NA	NOP 221-HB-4731	Rev. 16, 12/16/2004
P114	Processing FB-Line Sweepings Material with Cement in a Glovebag	Heidi Toole	NOP 221-HB-5688	Rev. 1, 1/23/2006
P119	Procedure 842 from the Phase I Scrap Recovery Manual: Preparing Tantalum (Ta) for Bag Out	SRS	IOP-221-HB-2150; 842	Rev. 3, 11/12/2007
P120	Procedure 843 from the Phase I Scrap Recovery Manual: Tantalum (Ta) Bag Out	SRS	IOP 221-HB-2150; 843	Rev. 2, 11/12/2007
P121	Procedure 840 from the Phase I Scrap Recovery Manual: Rinsing Tantalum (Ta) After Dissolution	SRS	IOP 221-HB-2150; 840	Rev. 5, 11/16/07
P122	Procedure 841 from the Phase I Scrap Recovery Manual: Weighing Tantalum (Ta)	SRS	IOP 221-HB-2150; 841	Rev. 5, 11/16/2007
P124	221/211-H Transuranic (TRU) Waste Characterization Plan	W.E. Blackburn	NMS-PRG-991043	Rev. 3, 08/10/2004
P125	HB-Line Characterization of Transuranic (TRU) Waste	SRS	N-WCP-H-00003	Revision 0, 07/2008
P126	Scope of Work for the HB-Line Source Disposition Plan	SRS	NMM-PRG-2006-00307	Rev. NA, 05/18/2006

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P128	Operation and Assaying per the Radionuclide Assay System-Photon and draft revision documentation	R. Holcomb	NOP 221-HB-4851	Rev. 19, 04/29/2008
P130	TRU Waste Container Remediation	NA	221-F-55078	Revs. 3, 10, 4/1/2011, 3/27/2012
P131	TRANSURANIC (TRU) WASTE REPACKAGING OF LARGE STEEL BOXES, STANDARD LARGE BOXES, AND OTHER MISCELLANEOUS CONTAINERS IN H-CANYON PHASE IIA.1	NA	NOP 221-H-8827	Revs. 1 (Draft A) , 4, 2/27/2011
P132	CELL 11 TRU REPACKAGING OPERATION	NA	SW15.3-SOP-CEL11-03	Revs. 2,12, 4/15/2011, 3/22/2012
P134	Packaging Sealed Containers With Liquid Waste (U)	NA	SWMF-WM-SCLW-01	Revision 0, 03/23/2010
P136	Solid Waste Operating and Maintenance Procedures, F-Canyon Container Transfer	SRS	SW15.3-SOP-FTRU-01	Rev. 11, 02/20/2012
P137	Standard Waste Box Operations (U), Data Collection	SRS	SW15.3-SOP-SWB-01	Rev. 6, 04/03/2012
P138	SWMF Blackbox Repackaging (U)	NA	SW15.3-SOP-BKBOX-06	Rev.1, 11/08/2006
P139	Shipment of TRU Containers From H-Canyon to SWMF	NA	SW15.3-SOP-HTRU-02	Rev.6, 03/08/2012

[a] From Acceptable Knowledge Souce Document Summaries (Attachments 3)

[b] Or publisher's document number if available

[c] In the case where a AK Summary Report has been revised based on information in Attachment 11- Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: Sherry Auckland — Date: 10/24/2013

Print/Sign

DIVIDER PAGE

Attachment 4 - Acceptable Knowledge Information List

Site(s): Savannah River Site

Waste Stream Number: SR-W027-321M-HOM

Waste Stream Description: Homogeneous waste from 321M

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C016	Memo to T. C. Evans re: Nuclear Criticality Safety Analysis No. 67 Processing Mark 41 in Buildings 321-M and 322-M	D. L. Honkonen	DPSPU-75-236-67	NA, 01/17/1975
C017	Memo to S. L. Tibrea re: Building 321-M Wastes	F. C. Rhode	DPSP-86-71-4	NA, 04/22/1986
C019	Memo to R. L. Cook re: 300-Area Chemical Waste Reduction	M. K. Jones	DPST-84-906	NA, 11/26/1984
C027	Memo to J. M. Boswell re: Mark 41 Development Program Status	W. H. Baker	DPST-75-211	NA, 01/29/1975
C028	Memo to J. M. Boswell re: Mark 41 Development Program-Status (2)	W. H. Bakeer	DPST-75-259	NA, 02/21/1975
C033	Memo to N. R. Levins re: 88-SR-011 Replace Billet Handling Equipment, Building 321-M Shielding Requirements for Outgassing Ovens AED-SRP Letter No. 26, with attached Memo re: 321M Replacement Billet Outgassing Furnaces Shielding Requirements	J. L. Teal	NA	NA, 05/19/1987; 05/07/1987
C036	Memo to J. Jiunnies re: Nuclear Criticality Safety Analysis No. 157 Processing Mark 42 Tubes and Billets in the 300 Area	D. L. Honkonen	DPSPU 79-236-157	NA, 11/05/1979
C038	Memo to J. P. Maloney re: Evaluating Mark 41 (PuO2) Tubes Containing High Density Spots	J. R. Hester	DPSPU 76-277	NA, 01/23/1976
C039	Memo to R. L. Frontroth re: Counterboring Mark 41 (Pu) Tubes	J. R. Hester	DPSPU 75-264	NA, 04/11/1975
C043	Memo to Gail J. Robinson re: Mark 42 Program - FBL Impact (C019 from SRS-6)	Randall L. Yourchak	NA	NA, 12/27/1991
C052	Memo to A. E. Hadden re: Raw materials Incident Status of Corrective Actions - July 1, 1984 - September 20, 1984	D. K. Moorer	DPSP-84-71-11	NA, 11/30/1984
C055	Memo to J. P. Duane re: Nuclear Safety Controls for Processing Plutonium from Mark 41 Tubes in JB-Line	R. C. Marozas	DPSPU-79-272-9	NA, 01/16/1979
C062	Memo to Wright re: 300-M Area Solvent Management Plan	J. S. Roberts	850001537	NA, 06/04/1985
C065	Memo to P. E. England re: 321-M Billet Handling Upgrade (S2700) Outgassing Furnace Shielding Review	G. L. Tweed	HPM-89-059	NA, 03/07/1989
C066	Memo to D. M. Yannitell re: Outgassing Ovens Located in 321-M	J. K. Barreneau and D. D. Clark	AID-CMA-99-022	NA, 03/11/1999

NTPC RECORDS ORIGINAL
DATE REC'D 10/22/13

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C067	Memo to G. F. Merz re: Nuclear Criticality Safety Analysis of 321-M Valut and Outgassing Oven	H. K. Clark	DPST-83-598	NA, 06/13/1983
C100	Memorandum from Kevin J. Peters to CCP Central Records Subject: Savannah River Transplutonium Program & Special Isotope Production for Defense R&D	Kevin Peters	NA	NA, 04/05/2004
C104	Email from Dan Remington to Jeff Harrison, et al. Subject: PSLBC0051 Technical Questions Answered	Dan Remington	NA	NA, August 2, 2011
C105	Review of RTR Fast Scan for SR500174	Gilmore Lunsford	NA	NA, 08/09/2011
C150	Modification of Bldg. 322-M Plutonium-Neptunium Glove Box System	R.F. Philipp	740000166	Revision NA, 03/22/1974
D002	Justification for Continued Operation	SRS	DPSTSA-300-3A	Revision 1.a, 02/1997
D007	Appendix A. List of Nuclear Materials At the Savannah River Site	NA	NA	NA, 03/29/2005
D008	Letter to Mr. P.W. Dickson from D.N. Bridges regarding Approval of 300-M Area Technical Standard Supplements	D.N. Bridges	WSRC-TN-21-SUP-1	Rev. NA, 04/07/1993
D010	Facility Decommissioning Evaluation Fuel Fabrication Facility, 321-M	D.K. Noller	G-FDE-M-00002	Rev. 0, 07/16/2003
D013	Safety Analysis - 300 Area, Savannah River Plant, Raw Materials Area Operations; Fuel Fabrication Facility - Building 321-M (UCNI)	SRS	DPSTSA-300-3A	NA, 06/1987
D044	Nuclear Criticality Safety Requirements Safety Supplements 300 Area (U)	SRS	WSRC-TN-21-SUP	Revision 0, 10/15/1992
DR002	Attachment 11 - Acceptable Knowledge Source Document Discrepancy Resolution - Mark 41 and Mark 42 Radionuclides	Jeff Harrison	DR002	NA, 08/04/2011
DR011	Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM	Mike Papp	Document Number and Revision: NA	04/04/2013
DR012	Acceptable Knowledge Source Document Discrepancy Resolution – Radiological Distribution for Waste Stream SR-W027-321M-HOM	Mike Papp	Document Number and Revision: NA	04/04/2013
M020	Calculation Note Nubmer MRG-90-9018 for Risk Assessment for Recovery of Pu-242 from mark 42 Assemblies (U) Risk, Pu-242, Mark 42`	Thomas P. Henry	SRL-MRG-90-9018	Revision 0, 05/29/1990
M023	Material Safety Data Sheets for Commercial Products Used in Building 321-M	Author: NA	Document Number and Revision: NA	Date: NA
M024	RTR Quick Screen Data Sheets	SRS	NA	NA, 2003 through 2008

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M050	Burial Ground Records	SRS	NA	NA, 1975 through 1980
M053	Radioassay Data Sheets for SR505375 and SR500174	SRS	Batch Number PSLBC0051	NA, July 22, 2011
M054	RTR Still Images of SR500174	NA	NA	NA, 07/08/2011
M060	GoWest Database Query-Generator Facility 321 M	NA	NA	NA, 03/10/2010
P002	Temporary Operating Procedure for Sampling TCE Solutions	F.C. Rhode	300-TOP-6	Rev. NA, 09/18/1986
P003	Temporary Operating Procedure for Transferring 1,1,1-Trichloroethane (1,1,1-TCE) to DOT-17C Drums	C.P. Breidenbach	300-TOP-8	Rev. NA, 09/21/1987
P020	Special Test Procedure; Mark 41 Outer Target Development Pilot Run	J. R. Hester	321-STP-180A	NA, 02/05/1975
P021	Special Test Procedure; Mark 41 Outer Target Development Pilot Run	J. R. Hester (321-M)	321-STP-180	NA, 01/24/1975
P022	Sealing Billet Evacuation Tubes	SRS	DPSOL 321-665	Revision 6, 02/05/1980
P023	Storing Tubes in Honeycomb Rack	SRS	DPSOL 321-1345	Revision 3, 06/07/1977
P024	Preparing and Applying Billet Lubricant	SRS	DPSOL 321-705	Revisions 7 and 8, 03/02/2982 and 04/15/1983
P025	Operating the Extrusion Press (Pre-Extrusion)	SRS	DPSOL 321-901	Revision 10, 03/17/1982
P026	Operating Outgassing Ovens A, B, C, & D	SRS	DPSOL 321-655	Revision 11, 11/18/1982
P027	Uranium-Aluminum Melting, Alloying, and Casting	SRS	DPSOL 321-305	Revision 12, 04/02/1982
P030	Extrusion Press Tooling	SRS	DPSOL 321-903	Revision 9, 07/12/1983
P031	Operating the Extrusion Press (Coextrusion)	SRS	DPSOL 321-900	Revision 11, 03/22/1982
P032	Cleaning Aluminum Components or Ingots	SRS	DPSOL 321-600	Revision 9, 09/28/1982

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P033	Title Page is Missing	SRS	DPSOL 321-2	Revision 6, NA
P034	Drawbench Tooling and Cleaning Tubes After Drawing or Straighting	SRS	DPSOL 321-1040; DPSOL 321-1055	Revisions 0, 2, 6, 11/03/1981; 11/3/1981; 07/16/1979
P035	Fuel and Target Tubes, Housing -- Dimensions and Specifications	SRS	DPSOL 321-1255	Revision 11, 9, 05/12/1981; 06/21/1977
P036	Cleaning Extrusion Press Pit	SRS	DPSOL 321-822	Revision 0, 07/10/1979
P037	Sawing Pre-Extrusion Logs or Reject Fuel Tubes Using the Power Hacksaw	SRS	DPSOL 321-400	Revision 9, 05/10/1983
P038	Daily Checks of Visi-Con Monitor, Nuclear Incident Monitor Bell, and NIM Recorder in Building 321-M	SRS	DPSOL 321-1922	Revision 0, 10/06/1978
P039	Handling, Storing, and Disposing of Filters Containing U-235	SRS	DPSOL 321-365	Revision 5, 05/18/1982
P040	Sampling and Analyzing Solutions - Building 321-M	SRS	DPSOL 321-1705	Revision 3, 1, 10/07/1982; 11/02/1978
P041	Receiving and Unloading Nitric Acid From Tank Truck	SRS	DPSOL 321-162	Revision 5, 07/07/1982
P043	Preparing, Applying, and Disposing of Lead-Oil Lubricant	SRS	DPSOL 321-701	Revision 7, 02/03/1984
P044	Assembling Billets	SRS	DPSOL 321-605	Revision 12, 10/12/1983
P046	Handling and Storing Alcohol in Building 321-M	SRS	DPSOL 321-408	Revision 1, 07/06/1976
P047	Setting Up and Operating Gisholt Lathe, EP 46A	SRS	DPSOL 321-401	Revision 10, 09/29/1983
P049	Preparing Floor Sweepings and LX Scrap Containing Uranium for Offplant Shipment	SRS	DPSOL 321-1805	Revisions 4 and 6, 01/12/1976; 11/09/1982

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P050	Transferring Metallurgical Sample Tubes Between Buildings 321-M and 322-M	SRS	DPSOL 321-1285	Revision 1, 09/16/1976
P053	Custodian Inspection Checklist	SRS	DPSOL 321-1901	Revision 1, 12/06/1976
P060	Memo Re: Decreased Frequency of HEPA Filter Replacement	SRS	NA	NA, July 3, 1977
P061	Disassembly of Fuel-Target Assemblies - Outer Tube to be Rejected	SRS	DPSOL 321-1402	Revision 0, 08/31/1976
P067	Completing Burial Ground Record Forms	SRS	DPSOL 321-1977	Revision 0, 09/03/1982
P106	Temporary Operating Procedure: Mark 42 Billet and Tube Production Part I	P. H. Stevens (320-M)	321-TOP-264	NA, 11/02/1979
P110	Control of Experimental Metal in Building 321-M	SRS	DPSOL 321-1985	Revision 7, 11/01/1978
P111	Radiation and Contamination Control for Processing Neptunium (Np) and Plutonium (Pu) Elements	SRS	DPSOL 321-1975	Revision 7 and Revision 6, 08/19/1981; 12/03/1979
P112	Nuclear Criticality Control - Building 321-M	SRS	DPSOL 321-1915	Revisions 12, 10, 9, 8, 7, 12/5/83; 12/1/82; 5/19/82; 6/11/81; 7/2/79
P113	Shipping Enriched Uranium Scrap Offplant	SRS	DPSOL 321-1800	Revision 15 and Revision 13, 12/06/1977; 10/21/1982
P114	Trichloroethane Sampling	NA	DPSOL 321-1703	Revision 0, 08/21/1980
P115	Operating the Clark TB-24 Floor Scrubber	SRS	DPSOL 321-1615	Revision 1, 10/19/1977
P116	Building 321-M Inventory	SRS	DPSOL 321-1475	Revision 3, 05/16/1977
P117	Safety Checks and Lock and Tag Checklist for "Magneform" Machine	SRS	DPSOL 321-1420	Revision 3, 11/01/1978

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P121	Preusage and Periodic Inspection of Shipping Containers	SRS	DPSOL 321-1801	Revision 2, 12/06/1977
p124	Special Test Procedure - Ultrasonic Cleaning of U-AL	W.E.L. Smith	321-STP-203	Rev. NA, 07/31/1975
P125	Special Test Procedure - Ultrasonic Cleaning of U-AL Cores and Log Sections	W.E.L. Smith	321-STP-230	Rev. NA, 04/09/1976
P126	Special Test Procedure - Changing Lathe Oil	D.L. Honkoneh	321-STP-217	Rev. NA, 01/15/1976
P127	Special Test Procedure - Use of Freon T-B1 for Core Cleaning	J.M. Low	321-STP-358	Rev. NA, 09/19/1979
P128	Special Test Procedure - Ambient Temperature Degreasing - Component Cleaning	NA	321-STP-397	Rev. NA, 06/09/1981
P129	Special Test Procedure - Evaluation of Tube Cleaning Procedures - Part I Nitric Acid Etch	P.H. Stevens	321-STP-387	Rev. NA, 09/24/1980
P130	Special Test Procedure Tube Cleaning Improvements	T.D. Barclay	321-STP-110	Rev. NA, 02/08/1973
P131	Special Test Procedure - Mark 41 Outer Target Production	J.R. Hester	321-STP-184	Rev. NA, 03/03/1975
P133	Special Test Procedure - Alternate Draw Bench Lubricants	T.D. Barclay	321-STP-416	Rev. NA, 06/24/1982
P134	Special Test Procedure - Modified Tube Cleaning for Removal of Residual Lead	T.D. Barclay	321-STP-223	Rev. NA, 02/17/1976
P152	Special Test Procedure, mark 41 Outer Target Production (Criticality Rules)	J. R. Hester, SRS Raw Materials Technology Section	321-STP-184C	03/27/1975
P153	Special Test Procedure, Mark 41 Outer Target Production (Interim Procedure for Receiving and Shipping Billets)	J. R. Hester, SRS Raw Materials Technology Section	321-STP-187	03/20/1975
P157	Storage of Transuranium (TRU) Waste in 643-G	NA	DPSOL-643-G-2018	Revs. 1, 3, 5, and 7, 12/1975 - 09/1981
P158	Manual for Nuclear Materials Management and Safeguards System Reporting and Data Submission	U.S. DOE	DOE M 474.1-2A	NA, 08/19/2003

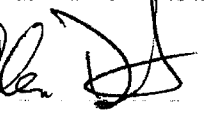
Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P159	Technical Standard - Storage of Solid Radioactive Waste	DUPONT	DPSTS-BG-0.01	NA, 01/23/1975
P160	Management of Solid Radioactive Waste	DUPONT	DPSOP 40, Special Hazards Bulletin 5	NA, 06/1971 - 09/1976
P162	Absorbing Containerized Liquids	SRS	221-F-55012	Revisions 2, 9, 14, 9/19/2006, 3/11/2010, 6/21/2011
P163	TRU Drum Repackaging	SRS	221-F-55006	Revisions 47, 31, 3/27/2012, 3/18/2010
P166	Decomissioning Scoping Document, Building 321-M, Fuel Fabrication Facility	SRS	G-PCOR-M-00001	Revision 1, February 18, 2004
P167	Deactivation Project Plan, 321-M Fuel Fabrication Facility	SRS	V-PMP-M-00004	Revision 0, 4/1/2000
P168	Deactivation End Points Document, 321-M Fuel Fabrication Facility	SRS	V-PMP-M-00014	Revision 0, 4/1/2000
P188	Packaging Sealed Containers With Liquid Waste (U)	NA	SWMF-WM-SCLW-01	Revision 0, 03/23/2010
P191	Remediation of High Mass (>400 FGE) Transuranic Waste Drums	N/A	221-F-55113	Rev. 1, 09/19/2012

[a] From Acceptable Knowledge Souce Document Summaries (Attachments 3)

[b] Or publisher's document number if available

[c] In the case where a AK Summary Report has been revised based on information in Attachment 11- Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: Allen Dickerson,  Date: 10/17/2013

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Attachment 4 - Acceptable Knowledge Information List

Site(s): Savannah River Site

Waste Stream Number: SR-SWMF-HET-B

Waste Stream Description: Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Building 643 G.

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C003	Memo to K.A. Stone SW's TRU Waste Shipments	T.W. Coffield, 705-3C	OBU-GSE-2005-00011	NA, 02/03/2005
C006	E-mail Correspondence from Jeff Lunsford to Jeff Harrison. Subject: Radiacwash.	Jeff Lunsford, SRS	NA	NA, 05/30/2007
C008	Memo to M. A. Kokovich re: Applicability of Two RCRA Waste Codes to TRU Waste Generated in FB-Line.	G.F. Hayford, 705-3C	OBU-GEN-2003-00025	NA, 08/26/2003
C009	Memo to M.A. Kokovich, re: Applicability of RCRA Waste Codes to TRU Waste Generated in HB-Line	C.B. Stevens, 645-5N	SWD-SWE-2003-00002	NA, 01/072003
C054	E-mail Correspondence from Jeff Lunsford to Jeff Harrison. Subject: Re: Future Generation of SRS-12 Waste	Jeff Lunsford	NA	NA, 06/29/2011
C056	Savannah River Plant (SRP) Burial Ground Building 643-G Appraisal Audit	Q.R. Harper	NA	NA, 06/05/1980
C057	LEAKING FIBERGLASS BURIAL CASK (DPSPU 76-272-448) - Separations Incident, SI-76-10-150	J.W. McClard	NA	NA, 10/15/1976
C058	Contaminated Liquid Spill (DPSPU 76-272-367) - Separations Incident, SI-76-108	B.G. Clontz	NA	NA, 7/27/1976
C059	Contamination of TRU Pad No. 3 -Cracked Lid on Fiberglass Burial Box (DPSPU 76-272-454) - Separations Incident, SI-76-153	J.G. McKibben	NA	NA, 7/1/1976
C061	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B	J. Schoen	NA	NA, 11/18/2011
C063	Email From Jeff Lunsford to Jim Schoen, Subject: Fw MORE Info Regarding Use of 643-G TRU Waste	Jeff Lunsford	NA	NA, 09/21/2011
C064	Works Technical Report for August 1979, DPSP-79-1-8	NA	DPSP-79-1-8	NA, 08/1979
C065	Works Technical Report for October 1976, DPSP-76-1-10	NA	DPSP-76-1-10	NA, 10/1976
C066	Works Technical Report for November 1976, DPSP-76-1-11	NA	DPSP-76-1-11	NA, 11/1976
C068	Email From Jeff Harrison to Jim Schoen and Mike Papp, Subject: RE: EA Reviews completed on SRS High Pu-240 AK-12 Soils Drums	Jeff Harrison	NA	NA, 11/10/2011

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Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C069	Email from Joseph Price to Jim Schoen RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization	Joseph Price	NA	NA, 12/13/2011
C070	Interoffice Memorandum from J.K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste	J.K. Price	SRNS-RP-2010-00010	NA, 08/09/2010
C072	Email from Jeff Lunsford to Lisa Watson and Jeff Harrison, Ref: AK Investigation for 643-G Cntr ID's SR89796 & SR89797	Jeff Lunsford	Document Number and Revision: NA	10/31/2007
C077	Evaluation of Additional Containers for SR-SWMF-HET-B	Jim Schoen	Document Number NA	Revision NA, 10/23/2012
C078	Memorandum from C.W. Beaumier to J. C. Kinney re: Waste Certification for Solvent Tanks Closure Operations Solvent Tanks Closure Operations Concerns Resolution	C. W. Beaumier	SWE·SWE·95·0172	Rev. NA, 05/17/1995
D001	Savannah River Site Solid Waste Management Facility Documented Safety Analysis	SRS	WSRC-SA-22	7A & 16, 03/27/2007 - 11/2011
D002	Solid Waste Management Facility. The Modular Repackaging System on TRU Pad 19 Justification for Continued Operation.	Author: SRS	Doc. #: WSRC-TR-2005-00217	Revision: 2, Date: 11/21/2006
D003	Consolidated Hazards Analysis for the TRU Visual Examination Facility	SRS	WSRC-TR-2004-00048	1, 04/01/2005
D004	Consolidated Hazards Analysis for the Modular Repackaging System on TRU Storage Pad 19 (U)	SRS	WSRC-TR-2003-00091	6, 06/30/2006
D005	Consolidated Hazards Analysis for Removal of Prhoibited Items from TRU Drums in the Mixed Waste Processing Facility (U)	SRS	WSRC-TR-2003-00086	0, 02/24/2003
D018	Safety Analysis Report, FB-Line , F-Canyon, FA-Line and Outside Facilities	NA	WCRC-SA-2001-00004	Rev. 8 & 18, 5/30/2008 - May 2011
D019	Burial Ground Facility Building 643-G Operations	W.R. Cornman	DPSTSY-200-6	NA, 08/1977
D020	Solvent Tanks (S23-S30) Interim Closure Plan (U)	Rebecca S. Lewis	SWE-SWE-94-0279	Revision: Various, Date: Various
DR004	Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF-HET-B and SR-SWMF-SOIL	Jim Schoen	Document Number and Revision: NA	01/10/2012, 08/19/2013
DR005	Discrepancy Resolution to assign a container designated by SRS as Waste Stream SR-SWMF-HET-B to SR-SWMF-SOIL and a container designated as Waste Stream SR-SWMF-SOIL to SR-SWMF-HET-B	NA	NA	NA, 02/29/2012

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
DR007	Discrepancy Resolution for Reassignment of Predominant Radionuclides	James Schoen	Document Number: DR007	Rev: NA, 8/27/2013
M001	OSR 29-90 Transuranic Waste Container Characterization Forms for Drums in Waste Stream SR-SWMF-HET-A.	SRS	Various	NA, Various
M003	Calculation Cover Sheet, Calculation of Curie Fractions used in Entering Waste Stream in WITS	Natasha Young	N-CLC-C-00007	0, 03/09/2004
M009	Request for Deviation to SRS Waste Acceptance Criteria Manual. E-Area TRU Remediation Processes.	Renee Hoeffner	SWMD-RFD-2006-0042	NA, 12/19/2006
M013	Evaluation of Additional Containers for SRS-12 Waste Stream SR-SWMF-HET-A	James Luginbyhl	NA	02/11/2008
M014	29-90s for Drums Added on 2/11/2008	SRS	NA	NA, NA
M021	SR-SWMF-HET-B Container Cross Reference Documents	NA	NA	NA, Various
M022	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B	NA	NA	NA, Various
M025	GoWest Data for CCP-AK-SRS-12	SRS	NA	NA, 03/14/2011
M027	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-HET-B	NA	SW15.3-SOP-CAND-01	21, 11, 26, 10,, Various
M029	Burial Ground Records for Containers Added to Waste Stream SR-SWMF-HET-B	Author: Various	Document Number: NA	Revision: NA, Date: Various
P001	SRS Waste Acceptance Criteria Manual	SRS	WAC 2.02	9, 12, 13, 01/19/06, 10/31/2008, 05/02/11
P002	E-Area TRU Pads Transuranic Waste Acceptance Criteria	SRS	WAC 3.06	Revs. 6, 8, 11, 12, 13, 02/12/1999, 10/01/01, 04/30/05, 06/30/09, 09/01/11
P003	Waste Characterization and Quantification	SRS	SWMF-WM-CHAR-02	4, 6, 04/05/2005, 03/31/2010

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P004	Pad 6 and Pad 19 Generated SWMF TRU/MTRU Waste	Author: SRS	Doc. #: SWMF-WM-TRU-02	Revisions: 3 and 12, Dates: 03/01/2007, 04/20/2011
P005	TVEF Operations (U)	Author: SRS	Doc. #: SW15.3-SOP-TVEFOPS-01	Revision: 2, Date: 03/01/2007
P006	MRS Operations (U)	Author: SRS	Doc. #: SW15.3-SOP-MRSOPS-01	Revisions: 0 and 3, Dates: 6/16/2006; 03/01/2007
P007	Removal of Prohibited Items (U)	SRS	SW15.3-SOP-RPI-01	Revisions 0 and 7, 03/25/2003 and 12/30/2004
P008	TVEF Removal of Prohibited Items (U)	Author: SRS	Doc. #: SW15.3-SOP-TVRPI-01	Revisions: 0 and 9, Dates: 02/25/2003, 09/01/2004
P009	Introduction and Removal of TRU Waste for Characterization in TVEF (U)	Author: SRS	Doc. #: SW15.3-SOP-TVEF-01	Revisions: 0 and 4, Dates: 10/07/2004, 02/08/2006
P010	TVEF Operations (U)	Author: SRS	Doc. #: SW15.7-SOP-TVEF-01	Revisions: 0 and 12, Date: Various
P018	Transferring TRU Drums to SWMF	Author: SRS	Doc. #: 221-F-55001	Revisions: 9 and 17, Dates: 03/27/08, 10/25/2011
P019	TRU Drum Inventory Control	NA	221-F-55002	Rev. 6, 16, 3/27/2008, 06/21/2011
P020	Inventory Control of TRU Repackaging Enclosures	Author: SRS	Doc. #: 221-F-55003	Revisions: 7 and 13, Dates: 03/27/2008, 01/19/2011

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P021	GCO TRU Drum Remediation	Author: SRS	Doc. #: 221-F-55005	Revision: 0, Date: 03/28/2007
P022	TRU Drum Repackaging	Author: SRS	Doc. #: 221-F-55006	Revisions: Various, Dates: Various
P025	Absorbing Containerized Liquids	NA	221-F-55012	Rev. 6, 9 and 14, 3/27/2008, 3/11/2010 and 06/21/2011
P026	Replacing TRU Repackaging Enclosure Gloves	Author: SRS	Doc. #: 221-F-55013	Revision: Various, Dates: Various
P030	Absorbing Containerized Liquids	NA	NOP 221-H-8252	1, 2, 3, 4, 12/10/2009, 8/30/2010, 10/20/2010, 6/15/2011
P032	Transuranic (TRU) Waste Repackaging in H-Canyon	Author: SRS	Doc. #: NOP 221-H-8826	Revisions: 11 and 26, Dates: 12/10/2009, 6/9/2011
P034	Standard Waste Box Operations (U)	Author: SRS	Doc. #: SW15.3-SOP-SWB-01	Revisions: Various, Dates: Various
P037	DPSOP40 Savannah River Plant Radiation and Contamination Control /Management of Solid Radioactive Waste	E.I. du Pont de Nemours and Company	DPSOP 40	Various, 06/1971 - 03/1995
P038	Decontamination of TRU Pad #3	SRS	NA	NA, 10/19/1976
P039	Decontamination of TRU Pad #3 Precedure 2	SRS	NA	NA, 10/28/1976
P040	Solid Waste Operating Procedures Manual Cell 11 TRU Repackaging Operation	SRS	SW15.3-SOP-CEL11-03	Revs. 2, 12, 4/15/2011, 3/22/2012

Attachment 4 - Acceptable Knowledge Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P041	Transuranic (TRU) Waste Repackaging of Large Steel Boxes, Standard Large Boxes, And Other Miscellaneous Containers in H-Canyon (Phase IIa.1)	SRS	NOP 221-H-8827	Revs. 3, 4, 11/22/2011, 2/27/2012
P045	Radioactive Solid Waste Burial Record, Enclosure 1	SRS	DPSOL 643-G-2033	1, 01/1985
P046	Packaging Sealed Containers With Liquid Waste (U)	Author: SRS	Doc. #: SWMF-WM-SCLW-01	Revision: 0, Date: 03/23/2010
P048	Solvent Tanks (S23 – S30) Interim Closure Plan (U)	Rebecca S. Lewis	SWE-SWE-94-0279	Rev. NA, 07/01/1994
P049	Solvent Tanks (S23 – S30) Interim Closure Plan (U)	S.K. Nicodemus	SWE-SWE-94-0279	Rev. 3, 04/30/1996
P050	Characterization Plan for Low Level waste Generated From Closure of Solvent Tanks S23 Through S28	A. Gibbs, Maurice J. Ades	WSRC-TR-05-0055	Rev. 2 and 3, 07/06/1995, 03/11/1996

[a] From Acceptable Knowledge Souce Document Summaries (Attachments 3)

[b] Or publisher's document number if available

[c] In the case where a AK Summary Report has been revised based on information in Attachment 11- Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: Joseph Montoya / [signature] **Date:** 10-22-13

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Attachment 4 - Acceptable Knowledge Information List

Site(s): Savannah River Site

Waste Stream Number: SR-RH-SDD.01

Waste Stream Description: Sealed Sources

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C001	Characterization of Sources from Savannah River Plant	M. W. Pearson	N/A	09/26/2002
C002	Memo to J. McAlpin from T.J. Feske re: Pu-Be Sources - 777-10A	T. J. Feske	N/A	09/12/2002
C003	Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation	Kevin Peters	N/A	06/28/2013
P001	Historic American Engineering Record – Physics Assembly Laboratory	New South Associates and Washington Savannah River Company	HAER SC043	2006
P002	Decommissioning the Physics Laboratory, Building 777-10A, at the Savannah River Site (SRS)	Savannah River Site	WSRC-MS-2007–00009	Date: 2007
P003	NS15 Neutron Shielded Canister	NA	NSC-DWG-0001	Rev. 0, Date: Various
U001	Container Paperwork for Waste Stream SR-RH-SDD.01	NA	OSR 29-90	Date: Various
U002	Miscellaneous Pu-Be Neutron Source Documentation and Specifications	SRS	N/A	Date: Various
U003	Reported Radionuclide Evaluation Tables for Waste Stream SR-RH-SDD.01	Steve Schafer	N/A	06/27/2013
U004	Miscellaneous Neutron Source Repackaging Photographs	N/A	N/A	Not Dated

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Attachment 4 - Acceptable Knowledge Information List (continued)

[a] From Acceptable Knowledge Souce Document Summaries (Attachments 3)

[b] Or publisher's document number if available

[c] In the case where a AK Summary Report has been revised based on information in Attachment 11- Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: Kevin J. Peters / [signature] Date: 9/17/2013
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Attachment 4 - Acceptable Knowledge Source Document Information List

Site(s): Mound Plant (CCP-AK-SRS-8)

Waste Stream Number: SR-MD-SOIL

Waste Stream Description: Contaminated Soil

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C001	Record of Communication	Jeff Lunsford and Julia Whitworth	NA	12/10/2002
C003	Interview with Bill Franz	Jerri McTaggart	NA	3/4/03
C005	Interview/Dan Hopkins	Author: NA	NA	4/21-24/2003
C006	Interview/Dick Blauvelt	NA	NA	04/21-24/03
C007	Interview with Dr. Bernie Kokenge	Gutierrez, McTaggart, Blauvelt	NA	4/24/2003
C008	Interview with Toby Elswick	McTaggart, Gutierrez, Blauvelt, Rovansic	NA	5/13/2003
C009	Interview with Paul Figgins	Gutierrez, McTaggart, Blauvelt	NA	5/15/2003
C010	Interview/Clyde Chong	Author: NA	NA	5/14/2003
C011	Interview/Ron Goss	Author: NA	NA	03/21/2003, 04/22/03
C012	Interview/Bill Davis	NA	NA	4/25/2003
C013	Interview/Al Combs	NA	NA	5/15/2003
C016	Interview/Ron Saun	NA	NA	6/4/2003
C018	Interview/Rob Robinson & Gary Morris	Author: NA	NA	02/2003
C019	Interview/Mike Deaton	NA	NA	6/5/2003

CCP RECORDS ORIGINAL
DATE REC'D 10/23/2012

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
C020	Record of Communication Don Luthey	B. Gutierrez, J. McTaggart, D. Blauvelt	NA	6/10/2003
C022	Justification for Pu-238 programs	E. S. Goldberg	Document and Revision Number: NA	8/20/1982
C024	List of different types of containers	NA	NA	undated
C040	E-mails from C. Sienkiewicz to J. Harrison, Re: Mound Soil and Soil Packaging Questions	see title	N/A	N/A, 07/05/2005, 07/06/2005
C041	Rockwell International Letter from J. K. Paynter to B. C. Barrett. Subject: Radionuclide Information Required For TRUPACT II Shipments	See Title	WCP8-20	N/A, 3/23/89
C042	Letters to Thomas L. Clements, EG&G Idaho from R.N. Rogers, LANL, Re: Reactivity of Resins (nitrated)	R. N. Rogers	N/A	N/A, May 18, 1983 and June 9, 1983
C043	E-mail from Jeff Harrison to Felicia Hinojos re: SRS-8 Freeze File - SR-MD-SOIL Layers of Confinement	Jeff Harrison	NA	NA, 08/18/2009
C044	E-mail to Mike Papp: Subject Packaging Procedures: Repackaging plans for TRU waste described in CCP-AK-SRS-8	Debra Lambert	NA	NA, 09/29/2010
C046	Reconciliation of Waste Containers List for Waste Stream SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL	Jim Schoen	NA	NA, September 7, 2011
DR001	Discrepancy Resolution: Heterogeneous Debris	Jeff Harrison	DR001	8/17/05
DR002	Discrepancy Resolution for Soil/Debris	Jeff Harrison	DR002	8/17/05
DR003	Discrepancy Resolution: Inorganic Absorbents	James Luginbyhl	DR003	Revision 1, 09/19/2007
DR004	Discrepancy Resolution Wastewater Treatment Sludge	Jeff Harrison	DR004	1/12/05
DR005	Discrepancy Resolution. Radionuclides in Mound Waste Streams.	Jeff Harrison	DR005	Rev. 1, 8/17/2005
DR006	Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET.	J. Harrison	DR006	8/17/2005
DR007	Discrepancy Resolution. Drums in Waste Stream SR-MD-SOIL Containing Residual Liquids	Lisa Price	DR007	08/14/2006
DR008	Discrepancy with EPA Codes for Waste Stream SR-MD-HOM-C	James Luginbyhl	DR008	10/23/2007

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
DR009	Acceptable Knowledge Source Document Discrepancy Resolution: MDL021377 Compacted Waste	James Luginbyhl	DR009	3/11/2008
DR010	Acceptable Knowledge Source Document Discrepancy Resolution. Drums Not S5000.	James Luginbyhl	DR010	10/22/2008
DR011	Discrepancy Resolution: Removal of MDL011366 from the PCB and Prohibited Sections	Mike Papp	DR011	11/24/2009
DR012	Discrepancy Report for Soil placed in HET waste stream	James Luginbyhl	DR012	12/8/2009
DR013	Discrepancy Resolution: Evaluation of daughter container MDL301793A for management as TSCA-regulated waste.	Mike Papp	DR013	NA, 04/22/2010
DR014	Discrepancy Resolution re: Reassignment of 5 drums to soil waste stream SR-MD-SOIL	Mike Papp	DR014	NA, 05/04/2010
DR015	Discrepancy Resolution re: Predominant Radionuclides in SR-MD-SOIL	Lisa Watson	DR015	10/27/2011
DR020	Acceptable Knowledge Source Document Discrepancy Resolution – Re-evaluation of WMAPSLB008	Jeff Harrison	DR020	07/24/2012
DR021	Acceptable Knowledge Source Document Discrepancy Resolution – Container MDL0506566 Moved from Waste Stream SR-MD-HET to Waste Stream SR-MD-SOIL	L. Watson	DR021	09/06/2012
I001	Transuranic Waste Baseline Inventory Report 1995	NA	NA	Revision 2/3, Dec-95
I003	Milliwatt Surveillance Program Ensures RTG Safety and Reliability. The Actinide Research Quarterly.	Los Alamos National Laboratory	Document Number and Revision: NA	Winter 1994
I004	Part of Feasibility Study for Mound	John Lyons	NA	Revision: 1, 8/24/1998
I005	Waste Exam Log for RTR Tapes	Author: NA	Document Number and Revision: NA	Date: Various
I006	Visit By Mound Lab Personnel	J.S. Johnson	Document Number and Revision: NA	5/21/1974
I007	O.U.9 Site Scoping Report	Author: NA	Document Number and Revision: NA	11/1991
I008	Drum Container Tables	Author: NA	Document Number and Revision: NA	Date: Various
I009	R-130 Search Box	Author: NA	MLM-ML-92-42-0001	Revision 1, Date: Various
I010	TRAMPAC Requirement Matrix by Drum	NA	Document Number and Revision: NA	Date: NA

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
I011	EPA Hazardous Waste Codes found in INEL Stored TRU Waste Content Code	NA	RWMC-421	Revision 2, 06/02/1993
I012	Unreviewed Safety Question Modify Vacuum Pump Enclosure U-1995-028	Melvin E. Babcock	Document Number and Revision: NA	11/1/1995
I013	Extended Storage of Tritiated Water	Author: NA	SE/USQ-TESOC.95.02.R2	2/6/1995
I014	Final Safety Analysis Report for SW/R Tritium Complex	R.L. Higgins	Document Number and Revision: NA	5/8/1995
I015	LP-50 Loading in SW/R Tritium Complex	R.L. Higgins	SE/USQ 95-07	6/7/1995
I016	SW/R Tritium Complex UPS Surveillance	NA	MLM-ML-92-0001	Revision 1, 8/25/1995
I017	List of Drums /Date/Source/Operation/Misc./By	Author: NA	Document Number and Revision: NA	Date: Various
I018	Draft Mound Compliance with TRUPACT II	NA	NA	Apr-00
I019	Waste Characterization Services Report	Canberra	NA	Revision 1, Feb-98
I020	Spreadsheets of Waste from SRS Bill Nauman and Glen Siry	SRS	NA	NA
I021	Completion of Mound "Newly Generated Waste" TRU Waste Certification Program Evaluation	L.T. Reid	SWD-WGS-2001-00053	9/13/2001
I022	Assay of Pu-238 Contaminated Waste in Drums Assay of Pu-238 Contaminated Waste in Boxes	Richard Blauvelt	MD-21825 &MD-21824	Revision 1
I023	Criticality Safety Evaluation for Mound RTG Storage DRAFT	J.L. Judd	ERA-NRE-94	Mar-94
I024	Material Acceptance Report	Mound	NA	10/9/1996
I025	Annual Environment Monitoring Report	Billy Farmer, Bob Robinson, Daniel Carfagno	MLM-2416	4/25/1977
I026	Predecisional Draft for the Semi-Works/Research (SW/R) Tritium Complex	David Billings, Thomas Flanagan	Document Number and Revision: NA	11/04/1993
I027	Rigid 55 Gallon Liner Drawing	Dunlap	NA	11/15/1977
I028	CERCLIS Memo	R.M. Munson	NA	3/20/1986

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
I029	Waste Management Monthly Report and Program Review 1997	John Krueger	WM-012/97	11/13/1997
I030	Mound Lab Annual Report	NA	MLM-MU-76-63	1975
I031	Plutonium Working Group Report on Environmental, Safety and Health Vulnerabilities Associated with the Departments Plutonium Storage Vol.2-App.B-Part 7	NA	NA	Sep-94
I032	Mound Heat Source	NA	NA	76/77
I033	Investigation Report No.74-13 Plutonium Off-site	NA	NA	1974
I034	Letter to Reimer from T.B. Gough	T.K. Kozuszek, A.R. Munn, R.u. McMannan	MLM-MU-67-67-0001	7/14/1967
I035	MCS Mobil Characterization Services Tech. Manual for Radiography of TRU Boxes and Drums vol 1	NA	RFPno. SC-110716	NA
I036	Mound Laboratory	Dick Blauvelt	Document Number and Revision: NA	Date: NA
I037	Pre-Operational Safety Appraisal Tritiated Scrap Recovery Facility	J.J. Dauby, T.M. Flanagan, L.W. Metcalf and T.B. Rhinehammer	MLM-MI-81-51-0001	NA
I038	Radioactive impurities in the Polonium Process at Mound Lab.	R.C. Lange	MLM-1158	6/3/1963
I039	Transportation/Communication Plan 11/28/00 TRU Waste Shipment to SRS.	Rob Rothman	NA	11/28/2000
I040	Purchase Requestion for Boxes and Risers	NA	13376	7/2/2001
I041	Questions for Mound TRU Drums.	NA	NA	4/15/1990
I042	Transmittal of Mound Waste Box Evaluation	Jennifer Biedschied	804779	7/14/2000
I043	Mound Laboratory Fact Book	NA	MLM-ML-76-49-0002	09/23/1976
I044	Pu-238 Fuel Data Sheets	Mound	NA	NA
I045	TRU Waste Certification Task Sludge From the Waste Disposal Plant	NA	NA	NA
I047	238 Pu Scrap	A.S. Barab	NA	12/9/1970

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
I048	Regulatory Requirements Associated with Transfer of Mound's Transuranic Waste to Another DOE Site	NA	NA	NA
I049	B&W Waste Management Org Chart	NA	NA	1997
I050	Support to DOE Mound- Building 38 Safety Analysis Report (SAR) and Technical Requirements (TSRs)	Thomas G. Ryan	NA	11/30/1993
I051	Inventory of Department of Energy Hazardous Waste Facility Under RCRA	Richard Blauvelt	NA	1/10/1986
I052	Handling of Encapsulated Waste Materials In T-25 and T-26	Clifford Rudy	NA	12/1/1994
I053	Evaluate Capital Type A Box and Rogar Type A Box for Uniformly Distrbuted Load	Gary Loomis	NA	NA
I054	Unreviewed Safety Question U-1995-015	Melvin E. Babcock	USQ 1995-015	8/28/1995
I055	60-Co Drumming for Burial	R.L. Goss	NA	4/12/1990
I056	Move TRU Drums from Building T and 23 to and from CWPF (BD124)	Mound	WMIR-2000-016	5/24/2000
I057	R. M. Munson Memo to R.A. Neff of 2-1-85/Ohio EPA Proposed Law Suit	R.K. Blauvelt	NA	2/13/1985
I058	Trampac Requirements Summary Matrix	NA	NA	NA
I059	Mound Exit Project TRU Waste Disposition Needs	John Ross	NA	8/18/1998
I060	Purchase Order 2001-00462	Sharon Clement, Buyer	NA	2/1/2001
I061	Movement of 22 TRU Waste Drums from Building 38 to T Building	John Krueger	WM-026/99	5/17/1999
I062	Mound Data	S.J.T.	NA	3/15/2000
I063	On Site Handling, Repackaging, and Transportation of Nuclear Materials Located In SW-19 and R-127 (UCNI)	T. Solack, D. Ullman, C. Cox	NA	Sep-96
I064	Draft (Forward from Waste Streams) EPA Doc.	NA	NA	NA
I065	TRU Waste Plan: Option B	NA	NA	9/30/1996
I066	Mound Transuranic Waste Feasibility Study	NA	NA	7/8/1998
I067	Verification Methods Matrix	NA	NA	3/6/1995
I068	Sampling and Analysis Plan for Idendification of Off SHC Migration of Contaminants at U.S. Department of Energy Miamisburg Mound Laboratory Miamisburg, Ohio.	NA	NA	Draft, Aug-88

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
I069	Annual Transportation CH TRU Drums, Field Code: TRU-1a, Rec #:00125	NA	NA	8/18/1999
I070	Mound Site TRU Waste Data Preliminary Trupact II Transportation Compliance Evaluation	NA	NA	NA
I071	TRU Waste Baseline Inventory Waste Profile from SRS 2003	NA	DOE-CAO-95-1121	5/5/1995
I072	1 S SRS Waste Acceptance Criteria Manual	SRS	1 S, 3.06E	Revision 8, 10/1/2001
I073	Nuclear Filter Technolgy Certificate of Compliance	G. Brazzeal	NA	6/14/2000
I074	Container Approval Requests and Deviations for Shipments	SRS	NA	NA
I075	Unreviewed Safety Question, U-1995-017 (SWR Tritium Complex Stack Flow)	EG&G Mound	USQ 1995-017	8/28/1995
I076	Unreviewed Safety Question, U-1995-16 (Wet Alarm Surveillance	EG&G Mound	USQ 1995-016	8/28/1995
I077	Unreviewed Safety Questions U-1995-018 (SW/R Tritium Complex Ventilation Surveillance	Melvin E. Babcock	U-1995-018	8/28/1995
I078	Unreviewed Safety Question U-1995-025 (SW/R Building Stack Monitor Upgrades)	Melvin Babcock	U-1995-025	1/3/1996
I079	Unreviewed Safety Questions U-1995-008 (SW & T Building Special Unloads)	Melvin E. Babcock	U-1995-008	8/2/1995
I080	Isolation and Purificatin of Neptunium-237	NA	NA	NA
I081	Material Type Codes	NA	MD-70205	7/25/1994
I082	Tables of TRU waste packages	NA	NA	1980s
I083	A-Line gloveboxes - Summary of Characterization Data	Benchmark Environmental Corp	NA	Sep-99
I084	Waste Category - TRU Boxes	NA	NA	NA
I085	WIPP Low-level TRU Waste Acceptance Criteria	NA	NA	5/13/1977
I086	TRU Waste Box 558	NA	NA	12/3/02
I087	Record of Telecon from Jay Doty/Calculations of Soil/H20 content for WTS packaging	NA	NA	Date: Various
I090	Operable Unit 9, Site Scoping Report: Volume 7 - Waste Management	Mound	NA	Revision 0, 02/93
I092	Go West Data Base From SRS	Tim Byer	NA	04/14/05

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M001	Mound Site [Miamisburg] - United States Nuclear Forces Web Site-www.globalsecurity.org/wmd/facility/mound.htm	John Pike	M001	8/22/2002
M002	Chemical Compatibility and Material List Data Requirments for TRUPACTII Authorized Payload Compliance Plan	Paul E. Drez, IT Corp.	NA	3/25/88
M003	TRUPACT-II Shipment of Mound Pu-239 Material	Jennifer Biedscheid-IT Corp.	NA	7/26/2000
M004	"Summary Report on Mound Boxes," E-mail to KellyCR@wipp.carlsbad.nm.us [Clint Kelley]	M. Devarakonda-IT Corp.?	NA	3/31/2000
M005	" Response to Internal Audit 1079" Inter-Office Memo to Elizabeth Adams-Auditor with attached Audit Report 1079-"WIPP Certification Process," conducted March 14-31, 1988	Elaine Santana-Mound Sr. Quality Engineer	NA	4/29/1988
M006	Memo From DOE Ohio Field Office to EPA-Mr. Tony Martig, Re: PCBs in Oil	Richard Provencher-Director	MB-0348-01	4/23/2001
M007	Letter to R. S. Rothman and Mr. Brown, Director MEMP, U.S. DOE, Re: TRU Data Request, May 1998 (C.6.9) and attached spreadsheets-"Data Request for CH/RH-TRU Waste Projections, New Waste Stream Form, Notification of Changes in Waste Stream Final Form, ect.	John W. Kureger-BWX Tech. Inc. Waste Management Manager	WM-069/98	5/27/1998
M008	Reynolds Electrical & Engineering Co., Inc.-Deviation Report and associated correspondense	D.R. Hopkins	NA	9/16/87
M009	December 1997 Request for the Change of Operator for Mound Facility	BWX Technologies, Inc.	NA	97 thru 98
M010	Comparison of Hydrogen Estimates for Mound TRU Drums With Savannah River Site Authorization Basis.	William Franz	NA	9/13/2001
M011	Filter Vents Quote from NUC Fil for Alternate Filters	Terry Wickland-NucFil	12124	12/3/2001
M012	Facsimile Transmittal to Glenn Siry, Re: Mound Facility-Background Volume STP FY00 Update	Williams Frans	NA	Dec-00
M013	Specification: Design and Build-Portable Venting Device for Radioactive Waste Containers	Unknown	NA	10/25/2000
M014	Interview Notes	NA	Document Number and Revision: NA	02/18-19/2003
M015	Letter to R. L Wainwright, Area Manager, U. S. AEC, Re: Program to Reduce the Generation of Transuranium (TRU) Contaminated Solid Waste	John R. McClain-Engineering Director	NA	1/23/1975

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M016	Letter to J.L. Hebb, Re: Status of Pu Waste and TRU Implementation	P. C. Adams-Monsanto Research Corp.	NA	2/25/1974
M017	E-mail to HERTFR@doe-md.gov, Re: Emailing: space-desc [Office of Space and Defense Power System]	Hertweck-hertweck@brecnet.com	NA	2/1/2002
M018	Letter to W.W. Hickman, Waste Management Manager, Aerojet Nuclear Co., Re: Shipment of Mound Laboratory's TRU Waste to the NRTS for Retrievable Storage	Richard A. Wolfe, Waste Management Manager, Monsanto Reseach Corp.	NA	10/22/1973
M019	Mound Documentation Inventory	WASTREN	NA	Date: NA
M020	Letter to P.L. Abellera, Re: WD Bldg. Mezzanine Pipe Insulation	Windle H. McDonald-Industrial Hygene-Mound	NA	1/12/1987
M021	Basic Plan for Sampling and Analysis of Sediment and Soil for Hazardous Waste	Unknown	NA	Date: NA
M022	Correspondence in reference to an EPA "Notice of Warning" (Use of Restricted Pesticide)	Larry Coco, Darrell J. Riffe, William Sanders, James Griffin, Darrell Riffe	NA	10/5/1990 thru 4/26/1991
M023	Do Not Use This Number. Not in AK Report. Letter to G.R. Grove (Visit to Sandia)	NA	TR-035	9/28/1964
M024	Do Not Use This Number. Not in AK Report. Letter from ERDA Alb. To J.A. Chacon, Area Manager (Dayton Area Office) and J.R. McClain Vice President MRC Mound Lab "Weapons Program RTG Heat Source Guidance"	ERDA Alb.	NA	Date: NA
M025	Notes from a draft document [title not given]	NA	0455 Paragraph 3.11	Date: NA
M026	Records Retention	E.D. Kennedy	EDK8801	1/11/1988
M027	Mound Laboratory-Classified Document, Summary ADC Unclassified 4/1/03, Defense Processes at Mound	John Rovansek	NA	4/1/2003
M028	Letter to T. C. Elswick, Re: Waste Management Items	W.P. Davis, D&D Project Leader	NA	8/5/1982

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M029	Memo to W.P. Davis and T.C. Elswick, Re: SAND Boxes	R. K. Blauvelt, Technical Support	NA	9/3/1982
M030	Memo to W.P. Davis, Re: WTS Status	W. D. Agnew, Health Physicist, SM/PP	NA	8/23/1982
M031	List of sources of TRU wase from Main-Hill Tritium (MHT) project	Unknown	NA	Date: NA
M032	"Reaudit of the TRU Waste Certification Activities at Monsanto Research Corporation" and "Mound Response to the WIPP WACCC Reaudit"	C.R. Henn, J.F. Bresson, and R.K Blauvelt	NA	5/20/1987 and 7/9/87
M033	Audit of TRU Waste Certification Activities at Monsanto Research Corporation, Miamisburg Ohio, March 12-13, 1985; [Response] TRU Waste Certification Program Audit; and Approval	James F. Bresson, R.K. Blauvelt, and G.R. Gartrell	NA	03/85 to 9/25/85
M034	Memo on 3 subjects 1) Use of Insta-Foam Froth Pak, 2) Equipment Removal, 3) Use of the Cardboard Liner in the FRP Box	Richard K. Blauvelt	NA	2/27/1981
M035	Specified in the letter: MRC Specification SPA750048, "Testing and Inspection Spec.-Open Head Polyethylene Drum Liner"	Letter from Howard B. Kreider, Supervisor, Special Materials Control, Monsanto to Max Schletter, EG&G Idaho	NA	7/11/1979
M036	Specification Drum 55 gal. DOT-17C	Thomas Edward Curry	ES-50365 B	07/22/1978
M037	Change Notice of Offsite Packaging Criteria (IDO-10074) for Revised Metal Containet Painting Requirements-RHB-263-81	R. H. Beers	NA	8/11/1981
M038	Specification- Drum 30 gal. DOT-17H, WMP-572005	T.E. Curry, Engineering Dept., EG&G, Idaho	ES-50421A	7/22/1981
M039	Specification-Container, Waste : DOT 7A Steel Box (Mill Bin), WMP-572010	T.E. Curry, Engineering Dept., EG&G, Idaho, Inc.	ES-50303 B	7/22/1981

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M040	Letter to D.A. Edling, Re: "Idaho TRU Waste Criteria" with attached Letter to H.N. Hill and D. Ofte, Area Manages, DOE Dayton and Rocky Flat Area Offices, Re: "Revision of the Off-Site Packaging Criteria for Receipt of TRU Waste at the INEL RWMC	R.K. Blauvelt, Safety & Loss Prevention and R.L. Lowrey, DOE AL	NA	9/19/1980 and 7/30/80
M041	Letter to R. K. Blauvelt, Re: "Change Notice of Offsite Packaging Criteria Report IDO-10074-RMS-61-81" and attached "Specification-Sponge Rubber Gasket DOT 17C 55-Gallon Drum"	R. M. Schletter	NA	05/13/1981 and 03/19/1981
M042	Current Scope of Activities at Mound (a presentation)	R. W. Henderson-Radioactive Waste Mngmt.	NA	1/19/1995
M043	Letter to B.G. Twinning, Manager, AL, Re: Mound TRU Waste Shipments to INEL	James A. Morley, Area Manager	DAO:RJG:N-14-2	10/21/1988
M044	E-mail to DOE_OH.MOUND.ChurchRonald, Re: Process Knowledge for Old SD Project	David Adkins	NA	11/20/1997
M045	Letter to J.A. Porter, Re: PuFF Trip Report Mound Laboratory	D. R. Boyd	DPSPU-76-272-83	4/21/1976
M046	Letter to J. E. Conaway, Re: Tabulation of Radioactive Materials Buried in the Savannah River Plant During the Month of October 1971 [SIC, table indicates 10/70]	A. S. Mowry	DPSPU-70-29-10	2/15/1971
M047	Letter to J.E. Conway, Re: Tabulation of Radioactive Materials Buried in the Savannah River Plant Bury Ground During the Month of November 1971 [SIC, Table indicates 10/70]	A. S. Mowry	DPSPU-70-29-11	2/15/1971
M048	Letter to J.E. Conaway, Re: Tabulation of Radioactive Materials Buried in the Savannah River Plant Burial Ground During the Month of Febuary 1971	A. S. Mowry	DPSPU-71-29-2	6/17/1971
M049	Letter to J.E. Conaway, Re: Tabulation of Radioactive Materials Buried in the Savannah River Plant Burial Groung During the Month of March 1971	A. S. Mowry	DPSPU-71-29-3	Date: NA
M050	Letter to J.E. Conway, Re: Tabulation of Radioactive Materials Buried in the Savannah River Plant Burial Ground During the Month of April 1971	A. S. Mowry	DPSPU-7102904	Date: NA
M051	Letter to J.E. Conway, Re: Tabulation of Radioactive Materials buried in the Savannah River Plant Burial Groud During the Month of May 1971	A. S. Mowry	DPSPU-71-29-5	8/23/1971
M052	E-mail to COLVRL, Re: Contaminated Precious Metals	Edwin Howell	NA	11/6/1997
M053	Letter to J.E. Conaway, Re: Storage at the Burial Ground of Mound Laboratory Plutonium 238 Scrap	A. S. Barab	NA	4/10/1970
M054	Letter to J.P. Hamric, Director, Nuclear Fuel Cycle Div. ID, Re: Packaging Criteria for TRU Waste Shipments to INEL	T.C. Jones, Director, Weapons Production Div.	NA	9/5/1978

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
M055	Memorandum to D. Agnew, et. al., Re: WTS Line Removal Problems/Suggestions	W. P. Davis, D&D Project Leader	NA	10/23/1981
M056	[SEE M040] Letter to H.N. Hill, Area Manager, DAO and D. Ofte, Area Manager, FRAO, Re: Revision of the Off-site Packaging Criteria for Receipt of Transuranic Waste at the INEL RWMC	Robert Lowry, Director, Waste Management & Transportation Reseach Div.	NA	7/30/1980
M057	Letter to W.H. Rowland, Re: Visit by Mound Lab Personnel	J. S. Johnson	NA	5/21/1974
M058	Letter to R.M. Mobley, 221-H, Re: Problem No. ST-SS-G-056, Recovery of Pu-238 Scrap from Mound Laboratory	L. S. Gray, 772-F	DPSPU-76-272-401	9/9/1976
M059	Mound MDL Numbers	NA	NA	6/30/2002
M060	Request for Deviation to SRS Waste Acceptance Criteria Manual	SRS	SWMD-RFD-2005-0017	N/A, 6/2/05
M061	Sample and Analysis Plan-West Asphalt (SM/PP Hill), and Additional Documentation (See Document Summary for Additional Documentation Titles)	Author: NA	Document Number and Revision: NA	Various
M062	R and SW Buildings Sampling & Analysis Plan,and Additional Documentation (See Document Summary for Additional Documentation Titles)	Author: NA	Document Number and Revision: NA	Various
M063	Straight Bill Of Lading. Shipper: U.S. DOE, c/o CH2M Hill Mound, Inc.	U.S DOE, c/o CH2M Hill Mound, Inc.	Shipper No. TRU05010	5/21/2005
M064	"E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL."	Steve Rose	N/A	N/A, 10/10/05
M065	Evaluation of Additional Containers for SRS-8 Waste Stream SR-MD-HET (Mound)	Jim Luginbyhl	N/A	N/A, 07/31/2007
M067	Evaluation of Additional Containers for Heterogenous Debris Waste Generated at Mound and Stored at the Savannah River Site	Jeff Harrison	NA	NA, 08/12/2005
M068	Evaluation of Additional Containers for Soil Waste Generated at Mound and Stored at the Savannah River Site	Jeff Harrison	NA	NA, 11/03/2005
M076	Waste Stream Profile Form for IN-W174.1082, IN-W174.154, IN-W177.1083, IN-W177.156	Eric Schweinsberg	BN835	Rev. 0, 04/06/2005
M077	NDA Weight Percent Data Through Lot 3, SR-MD-SOIL	CCP	NA	10/18/2011
P001	Alpha Fuels Environmantal Test Facility (Day 59)	Monsanto Research Corp	NA	2/26/1972

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P002	Acceptable TRU Packaging for Interim Storage and/or Terminal Isolation	NA	NA	10/31/1977
P004	A Thermodynamic Study of the MWG System/ Components and Measurements of the Oxygen Partial Pressure in the Heat Source Capsule	Donald J. Pavid	NA	6/23/1980
P005	Proposal to Process RTNS-11 Accelerator Targets for LLL	E.A. Mershad, W.A. Clif, R.E. Wicwcke, D.L. Goffey, G. V. Nesslage, L.W. Metcalf, and R.A. Watkins	NA	12/20/1977
P006	Shipping Mound TRU Waste to SRS for Storage and Processing to Meet WIPP WAC-Feasibility Issues	D.K. Noller	NA	Revision, 7/16/1997
P007	Technical Evaluation and Justification for Shipment for Storage and Treatment of Transuranic Waste from the Mound Facility to the IDAHO National Engineering Laboratory	NA	NA	Revision, Jan-96
P010	Annual Site Environmental Report for Calendar Year 2001	BWXT of Ohio, Inc.	NA	Revision, 2-Sep
P012	Annual Site Environmental Report for Calendar Year 1999	BWXT of Ohio, Inc.	NA	Revision, Sep-00
P013	Assessment of the AWC TRU Clean Process for use on Mound Soils and Sediments	D.R. Rogers	NA	3/23/1989
P014	Waste Soil Volume Reduction Using Brickmaker Technology	NA	NA	Mar-95
P015	Tools for Decontamination and Decomissing of Nuclear Facilities	R.E. Hermatz	NA	11/16/1986
P016	Mound's Decommissioning Experience, Tooling, and Techniques	Albert B. Combs, William P. Davis, Toby C. Elswick, Joe M. Garner and Jack Gaichmon	NA	1982
P017	The Mound Site Survey Project for the Characterization of Radioactive Materials in the Site Soils	Robert L. Stought, Don A Edling, and Douglas G. Praper	NA	5/16/1988
P018	Reinvestigation of the January 1969 Plutonium-238 Waste Transfer Line Break	Mound	NA	9/16/1974
P019	Operable Unit 9 Site Scoping Report Volume 8 - Environmental Monitoring Data: 1976-1989 and Operable Unit 9 Site Scoping Report Vol 8 Addendum	Mound Plant	NA	Feb-92 and Dec-94
P020	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste	A. W. Fentirman	MLM-ML-90-48-0001	8/15/1990

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P021	Separation and Purification of Radioisotopes for Research	W.R. Wilkes and R.E. Eppley	P80-11-321	11/20/1980
P022	DTWI WBS 5.06-12 Mound Laboratory Plant Site Summary	Richard C. Kalinske	NA	Revision 0, 3/5/1993
P023	Mound Facility Physical Characterization	William R. Tonne	MLM-3791	12/1/1993
P025	Operational Controls for SW/R Complex	Mound	MD-10480	Jun-97
P027	EG&G Mound Building 38 Accident Analysis of Internal (Operational) Events (Results and Findings)	James L. Jones, and Thomas G. Ryan	NA	Jun-94
P028	Mound Building 38 FSAR: Pu-239 Repackaging, Phase 1	Soli T. Khericha, Steven Eide, Lon N. Hancy, Trudy K. Overlin, Thomas G. Ryan	INEL-95/0519	Revision 3, Jun-96
P029	Building 50 Radioisotopic Themoelectric Generator Assembly and Testing Facility Final Safety Analysis Report	T.A. Frazier, R.E. Berry and G.D. Miller	MD-10537	Issue 1, 7/25/2002
P030	SW/R Complex Basis for Interim Operations	J.L Allison and P.A. Craycraft	MD-10480	Issue 4, 5/2001
P031	T Building Basis For Interim Operation (BIO) (OUO)	J. R. Allison	MD-10479	Issue 6, 10/9/2001
P033	SW/R Building Calorimetry Operating Procedure	D. V. Eckman, et. al.	MD-10304	Issue 2, 8/7/1997
P034	Estimated Discard Limits for Plutonium-238 Recovery Processing in the Plutonium Processing Building	D.F. Luthy and W. Bond	MLM-MU-75-63-0004	3/26/1975
P035	WD Building Room 10	Floyd Hertwick	NA	8/28/2001
P036	Hazard Evaluation of the Special Metallurgical (SM) Building at Mound Laboratory	Thomas M. Flanagan	MLM-MU-76-66-0001	8/6/1976
P037	Building WDA, Room 10 Glovebox Removal Wall Removal, Characterization, and Cleanup	Mound	MLM-3848	6/21/2001
P038	T Building Structural History and Process History Summary Background Document	BWXT Of Ohio	NA	2-Nov
P040	Executive Summary of TRU Waste at Mound	Mound	NA	9/15/1993

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P041	Technical Manual. TRU Waste Management	Mound	MD-70205	6/14/1988
P042	TRUCON Codes	DOE	DOE/WIPP 89-004	Revision 12, Mar-99
P044	FSAR Building 38 *******UCNI*******	F. Mintz, M.D. Gilliat	ML95410001	Revision 11, 11/9/1995
P045	Waste Disposal Facility Auditable Safety Analysis	Mound	MD-10481	Revision 4, 1/21/2003
P047	Technical Manual Building 38 Basis for Interim Operations, Issue 1 and Technical Manual Building 38 Auditable Safety Analysis, Issue 2	Ron Church-Issue 2	MD-10520	Issues 1 & 2, 1/24/2000 and 8/15/2001
P048	Vent TRU Drums in CWPF	William Franz	WM-IWCP-00-007	Revision 1, Date: NA
P049	TRU Drum Venting Factsheet and TRU Drum Venting System Pre-Operational Process Hazards Review	Mound	WSRC-PH-95-11	Revision 2, 2/2/1996
P050	TRU Waste Drum Venting and Purging System	NFT Incorporated	NFT-SR-0001	Revision 14, Jan. 13, 2000
P051	The Use of Urethane Foam in the Decontamination and Decommissioning of Nuclear Facilities	Rudy Hermetz	MLM-2976	Revision NA, 10/14//82
P052	TRU Waste Certification	Edward L. Lewis	MLM-3096	9/30/1983
P053	Ten Year Plan for Decontamination and Decommissioning for Mound	Sam Freeman	MLM-MU-77-66-0001	6/30/1977
P054	Mound Site Radionuclides by Location issue 1-3	Mound	MD-22153, Issue 1	Revision 3, 95, 98, 2000
P055	A Summary Review of Mound Laboratories Experience in D&D of Radioactive Facilities	J.M. Garner and W.P. Davis	NA	1949-1973
P056	Decontamination and Decommissioning Projects Findings of No Significant Impact	DOE	NA	NA
P057	D&D Operations Procedures	P.E. Figgins	MD-10167	Revision 9, 3/22/95, 12/5/1995
P058	Mound Site Waste Management Reports and Site Plans 1977-1980	Mound	NA	6/1/1977
P059	Environmental Survey Plan	H.F. Anderson, T.M. Flanagan	MLM-MU-74-65-0001	1974

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P060	Alpha Fuels Environmental Test Facility	Mound	MLM-1733 (LD)	NA
P061	Siting Criteria Document	EG&G Mound	NA	Revision 2, Mar-96
P062	RCRA Part B Permit Application	Mound	Ohio ID#. 05-57-0677	Revision 4, Sep-97
P063	Mound Site Waste Management Reports and Site Plans 1972 to 1976	Monsant	NA	6/27/1972
P064	Mound Site Waste Management Reports and Site Plans 1981 to 1989	Not given	NA	11/1/1981
P065	Mound WIPP Certification Program for Newly Generated Contact Handled (CH) Transuranic Waste	J.A. Morley, et. al.	MD-10203	Issues 1,2 excerpts,3,5 & 6, 6/1/85, 6/10/86, 9/1/88, 4/14/89
P066	Maps Site Plans	Mound	NA	75,84,86
P067	Revised U-233 Re-Pack Project	Richard L. Higgins	SE/USQ-1995-0004 (R2)	1/17/1995
P068	1396 "Notice of Intent to File Suit"	Mary G. Wilson	NA	12/18/1984
P069	Engineering change Notice TRU Waste Metal Box Loading and Sealing	H Bond and F. Morris	MD-70205	4/25/1985
P070	Mound Laboratory Annual Report CY 1974	R.K. Flitcraft	MLM-MU-75-70-0001	Oct-75
P072	Final Safety Analysis Report for the SW/R Tritium Complex	Terrence L. Buxton	MLM-ML-92-42-0001	2/4/1992
P073	On Site Transportation and Handling of Radioactive and Hazardous Materials	Mound	MD-10246	Revision 4, 9/18/2000
P075	Safe TRU Waste System	D.A. Edling	77-10-166	10/31/1977
P076	USERS Handbook: Waste Accountability Shipping and Packaging (issue 14 is inactive).	Mound	MD-10173	Revision 14, 13 and 1, 3/00, 8/4/98 & 6/15/81
P078	Mound Plant Waste Acceptance Criteria	Mound	MD-81070	Revision 1 and 2, 10/14/92 &5/31/94, 10/4/95

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P079	Management of Hazardous Waste, Radioactive Mixed Waste, Trash and Recyclable Metals.	Mound	MD-70523	Revision 2, 3/28/1995
P080	Appendix B	Wayne King	Appendix B	02/19/2003
P081	Approved Site Treatment Plan for Mixed Wastes at the Mound Facility	NA	NA	Revision 10, 12/18/1997
P083	1995 Annual Report For Treatability Studies Conducted at the Mound Facility in Miamisburg, Ohio	NA	EPA ID#OH6890008984	Feb-96
P084	Decontamination of Hepa Filters	NA	MLM-MU-77-62	Oct.,Nov., Dec.,1976
P086	Mound Laboratory Environmental Plutonium Study	D.R. Rogers	MLM-2249	9/15/1975
P092	Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition	P.H. Redd	OPS-WMT-890379	12/27/1989
P095	List and directory of chemicals and MSDS Sheets	NA	NA	Various
P096	1996 and 1998 Chemical Inventory and 1991 Carcinogen list.	NA	NA	1996, 1998, 1991
P097	An Early History of U.S. Radioisotope Thermoelectric Generators	NA	NA	5/2003
P098	Verification Reports	NA	NA	7/7/2000
P099	WD Soil Removal Project	H. A. Black	AT-33-1-GEN-53	Nov-74
P100	Mound Quality Control Plan for the Control of Radiioactive Waste	Monsanto Research Corporation	NA	Oct-82
P101	Technical Mound, Assay of Pu-238 Contaminated Waste in Boxes	H. N. Hill	MD-21824	Issue 1, 8/20/1984
P103	Nutek Product Bulletin, Nutek 600 EL, Low Foam Nuclear Decontamination Cleaner	Nutek	NA	Date: Various
P104	WIPP Audit 1986, Transmittal of the Monsanto Research Corporatioin (Mound - MRC) TRU Waste Certification Audit Report	James F. Bresson	WMTDD:JFB:0422H	9/29/1986
P105	Revision of the Off-Site Packaging Criteria for Receipt of TransuranicWaste at the INEL RWMC	Robert Lowrey	NA	7/30/1980
P107	Re-Audit of TRU Waste Certification Activities at Monsanto Research Corporatioin	C. R. Henn, J. F. Bresson	NA	5/20/1987

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P108	DOE Hazardous Chemical Waste Site Visit Report	Albuquerque Operations	NA	Date: Various
P109	US Department of Transportation Exemption for the ATMX Railcar.	US Dept of Transportation	NA	Revision 10, 6/26/2000
P111	Site Treatment Plan for the Mixed Wastes at the Mound Facility Miamisburg, Ohio, Background and Plan Volumes	US DOE	NA	Revision 8, 9/15/1995
P114	A Report on the Decontamination and Decommissioning of the Technical (T) Building at Mound Laboratory	Gilbert, Wright, Madding	AT-33-1-GEN-53	12/31/1974
P115	1st 8 Shipments of Uniform Hazardous Waste Manifest	South Carolina	NA	2001, 2002
P116	Nuclear Power in Space	DOE	DOE-OPA-0038	08/1978
P117	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Boxes	R.S. Tunning	MD-10167, ECN No. 040132MD	Revision 1, 10/21/04
P120	Radioactive Waste Procedures-Loading/Sealing Transuranic Waste Destined for SRS in Drums	R. S. Tunning	MD-10167, ECN No. 040131MD	Revision 2, 11/8/04
P121	SRS Waste Acceptance Criteria Manual, 1S, E-Area TRU Pads Transuranic Waste Acceptance Criteria	SRS	3.06	Revision 11, 4/30/05
P122	Accepable Knowledge Summary for Solidified Acid/Caustic Waste (BN835)	NA	AMWTP-RPT-TRUW-23	Revision 1, 8/8/2006
P123	Acceptable Knowledge Document for INL Stored Transuranic Waste - Mound Plant Waste	NA	AMWTP-RPT-TRUW-13	Revision 5, 8/7/2006
P124	Absorbing Containerized Liquids	NA	221-F-55012	Revs. 2, 9, 14, 9/19/2006, 3/11/2010, 6/21/2011
P125	Shipment Preparation for TRU Containers to SWMF	NA	SW15.3-SOP-HTRU-02	Revs. 1, 6, 2/17/2010, 2/20/2012
P126	Absorbing Containerized Liquids	NA	NOP 221-H-8252	Revs. 1, 2, 3, 12/10/2009, 8/30/2010, 10/20/2010

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

Source Document Tracking Number [a/c]	Title or Description [a]	Author	Document # [b]	Document Revision # and Date
P127	Transuranic (TRU) Waste Repackaging in H-Canyon	NA	NOP 221-H-8826	Revs. 11, 26, 12/10/2009, 6/9/2011
P128	F Canyon Container Transfer	NA	SW15.3-SOP-FTRU-01	Revs. 3, 11, 03/03/2010, 2/20/2012
P129	Standard Waste Box Operations	Leah Lanallee	SW15.3-SOP-SWB-01	Revs. 6, 4, 4/3/2012, 5/20/2010
P130	Packaging Sealed Containers With Liquid Waste (U)	NA	SWMF-WM-SCLW-01	Revision 0, 03/23/2010
P131	Remediation of High Mass (>400 FGE) Transuranic Waste Drums	N/A	221-F-55113	Rev. 1, 09/19/2012
U001	2990 Information on Shipments to SRS	Mound	NA	Date: Various
U002	Trash Categories/Content Codes and Waste Categories	NA	NA	Date: Various
U003	List of Chemicals and Materials in TRU Waste Content Codes	Mound	NA	Revision 2, 6/89,99,00,01
U004	Miscellaneous Container Information	Author: NA	Document Number and Revision: NA	Date: Various
U005	List of Radionuclides/Chemicals	Mound	NA	Date: NA
U006	Questions about TRU waste dated 4/17/2000 and logbook entries dated 4-5-88	Seth Thompson	NA	4/20/2002
U007	Content Code Assessments for INEL Contact Handled Stored TRU Waste	Tom Clemments	WM-F1-82-021	Oct-82
U009	Mound Site TRU Waste Data Preliminary TRUPACT-II Transportation Compliance Evaluation	NA	NA	Date: NA
U015	Memorandum to E.L. Albenesius, Re: Description of Mound and LASL Solid Pu-238 Waste Stored at SRP	O.A. Towler	DPST-81-647	9/18/1979
U018	UGL Action Memo-Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building	CH2M Hill	N/A	N/A, September 2003
U019	Waste Management Instruction-Packaging of Highly Contaminated Soil from PRS 438	Mound	N/A	N/A, Jan. 10, 2005

Attachment 4 - Acceptable Knowledge Source Document Information List (continued)

[a] From Acceptable Knowledge Souce Document Summaries (Attachments 3)

[b] Or publisher's document number if available

[c] In the case where a AK Summary Report has been revised based on information in Attachment 11- Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: Sherry Auckland
Print/Sign

Date: 10/19/2012

Attachment 5 – Hazardous Constituents – SR-SWMF-HET-B (CCP-AK-SRS-12)

Site(s): Savannah River Site

Waste Stream Description: Hazardous Debris from Pads 2 and 3 in the Old Burial Ground (Building 643G)

Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Toxicity Characteristics Metal Compounds (40 CFR Part 261)								
Arsenic	Y	N/A	N	D004	N/A	N/A	D004	N/A
Barium	Y	N/A	N	D005	N/A	N/A	D005	N/A
Cadmium	Y	N/A	N	D006	N/A	N/A	D006	N/A
Chromium	Y	N/A	N	D007	N/A	N/A	D007	N/A
Lead	Y	N/A	N	D008	N/A	N/A	D008	N/A
Mercury	Y	N/A	N	D009	N/A	U151	D009	N/A
Selenium	Y	N/A	N	D010	N/A	N/A	D010	N/A
Silver	Y	N/A	N	D011	N/A	N/A	D011	N/A
Volatile Organic Compounds (40 CFR Part 261)								
1,1,1-Trichloroethane	Y	Y	N/A	N/A	F001/F002	U226	F002	N/A
1,1,2,2-Tetrachloroethane	N	N/A	N/A	N/A	N/A	U209	N	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	Y	Y	N/A	N/A	F001/F002	N/A	F002	N/A
1,1,2-Trichloroethane	Y	Y	N/A	N/A	F002	U227 [c]	F002	N/A
1,1-Dichloroethylene	Y	N/A	N	D029	N/A	U078	D029	N/A
1,2-Dichlorobenzene	Y	Y	N/A	N/A	F002	U070	F002	N/A
1,2-Dichloroethane	Y	N/A	N	D028	N/A	U077 [c]	D028	N/A
1,4-Dichlorobenzene	Y	N/A	N	D027	N/A	U072	D027	N/A
1,4-Dioxane	N	N/A	N/A	N/A	N/A	U108	N	N/A
2-Ethoxyethanol	N	N/A	N/A	N/A	F005	U359 [c]	N	N/A
2-Nitropropane	Y	Y	N/A	N/A	F005	U171 [c]	F005	N/A
Acetone	Y	Y	N/A	N/A	F003	U002	N	N/A

NTPC RECORDS ORIGINAL
DATE REC'D 10/24/13

Attachment 5 – Hazardous Constituents – SR-SWMF-HET-B (CCP-AK-SRS-12) (Continued)

Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)								
Acetonitrile	N	N/A	N/A	N/A	N/A	U003	N	N/A
Benzene	Y	Y	N/A	D018	F005	U019	F005	N/A
Butanol (n-Butyl alcohol)	Y	Y	N/A	N/A	F003	U031 [c]	N	N/A
Carbon disulfide	Y	Y	N/A	N/A	F005	P022 [c]	F005	N/A
Carbon tetrachloride	Y	Y	N	D019	F001	U211 [c]	D019	N/A
Chlorobenzene	Y	Y	N/A	D021	F002	U037	F002	N/A
Chloroform	Y	N/A	N	D022	N/A	U044	D022	N/A
Cyclohexanone	Y	Y	N/A	N/A	F003	U057 [c]	N	N/A
Ethyl acetate	Y	Y	N/A	N/A	F003	U112 [c]	N	N/A
Ethyl benzene	Y	Y	N/A	N/A	F003	N/A	N	N/A
Ethyl ether	Y	Y	N/A	N/A	F003	U117 [c]	N	N/A
Formaldehyde	N	N/A	N/A	N/A	N/A	U122	N	N/A
Hydrazine	Y	N/A	N/A	N/A	N/A	U133	U133	N/A
Isobutanol	Y	Y	N/A	N/A	F005	U140 [c]	N	N/A
Methanol	Y	Y	N/A	N/A	F003	U154	N	N/A
Methyl ethyl ketone	Y	Y	N/A	D035	F005	U159	F005	N/A
Methyl isobutyl ketone	Y	Y	N/A	N/A	F003	U161 [c]	N	N/A
Methylene chloride	Y	Y	N/A	N/A	F001/F002	U080 [c]	F002	N/A
Pyridine	Y	Y	N/A	D038	F005	U196	F005	N/A
Tetrachloroethylene	Y	Y	N/A	D039	F001/F002	U210	F002	N/A
Toluene	Y	Y	N/A	N/A	F005	U220	F005	N/A
trans-1,2-Dichloroethylene	N	N/A	N/A	N/A	N/A	U079	N	N/A
Trichloroethylene	Y	Y	N/A	D040	F001/F002	U228	F002	N/A
Trichlorofluoromethane	N	N/A	N/A	N/A	F001/F002	U121 [c]	N	N/A
Vinyl Chloride	Y	N/A	N	D043	N/A	U043	D043	N/A
Xylenes	Y	Y	N/A	N/A	F003	U239	N	N/A

Attachment 5 – Hazardous Constituents – SR-SWMF-HET-B (CCP-AK-SRS-12) (Continued)

Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Semivolatile Organic Compounds (40 CFR Part 261)								
2,4-Dinitrotoluene	N	N/A	N/A	D030	N/A	U105	N	N/A
Cresols	N	N/A	N/A	D026	F004	U052	N	N/A
Dimethyl sulfate	N	N/A	N/A	N/A	N/A	U103	N	N/A
Hexachlorobenzene	N	N/A	N/A	D032	N/A	U127 [c]	N	N/A
Hexachlorobutadiene	N	N/A	N/A	D033	N/A	U128 [c]	N	N/A
Hexachloroethane	N	N/A	N/A	D034	N/A	U131 [c]	N	N/A
Nitrobenzene	Y	Y	N/A	D036	F004	U169 [c]	F004	N/A
Pentachlorophenol	N	N/A	N/A	D037	F027 [c]	N/A	N	N/A

Attachment 5 – Hazardous Constituents – SR-SWMF-HET-B (CCP-AK-SRS-12) (Continued)

Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents								
Wastewater treatment sludges from electroplating operations	N	N/A	N/A	N/A	F006	N/A	N	N/A
Spent cyanide plating bath solutions from electroplating operations	N	N/A	N/A	N/A	F007	N/A	N	N/A
Spent cyanides stripping and cleaning bath solutions from electroplating operations	N	N/A	N/A	N/A	F009	N/A	N	N/A
Beryllium powder	Y	N/A	N/A	N/A	N/A	P015	N	N/A
Cyanide (soluble cyanide salts)	N	N/A	N/A	N/A	N/A	P030	N	N/A
Potassium cyanide	N	N/A	N/A	N/A	N/A	P098	N	N/A
Potassium silver cyanide	N	N/A	N/A	N/A	N/A	P099	N	N/A
Sodium Cyanide	N	N/A	N/A	N/A	N/A	P106	N	N/A
Vanadium pentoxide	N	N/A	N/A	N/A	N/A	P120	N	N/A
Hydrofluoric acid	N	N/A	N/A	N/A	N/A	U134	N	N/A
Total PCB Concentration [d]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional EPA Hazardous Constituents (List)	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional State Hazardous Constituents [b] (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attachment 5 – Hazardous Constituents – SR-SWMF-HET-B (CCP-AK-SRS-12) (Continued)

Compound	Suspected Present? (Y/N)	Used as a solvent? a (Y/N/NA)	TC constituent concentration less than regulatory level? a (Y/N/NA)	TC Hazardous Waste Number a	F-Listed Hazardous Waste Number a	U- or P-Listed Hazardous Waste Number a	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number b
Other Constituents (continued)								
Potentially Flammable VOCs (List) [e,f] Acetone Benzene n-Butyl alcohol Chlorobenzene 1,2 Dichoroethane 1,1 Dichloroethylene Ethyl benzene Ethyl ether Methanol Methyl ethyl ketone Methyl isobutyl ketone Toluene Xylenes	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A

a. Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. This EPA Hazardous Waste Number is not permitted for WIPP disposal.
d. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: Jason Martinez (Print) _____ (Sign) Date: 10-24-13

DIVIDER PAGE

Attachment 5 – Hazardous Constituents

Site(s): Savannah River Site (CCP-AK-SRS-14)

Waste Stream Description: Absorbed Billet Lubricating Oil Waste

Waste Stream Number: SR-W027-321M-HOM

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Metal Compounds (CCP-PO-001 - Table C3-8 & 40 CFR Part 261) [i]										
Arsenic	N	N/A	N/A	N/A	N/A	D004	N/A	N/A	N	N/A
Barium	N	N/A	N/A	N/A	N/A	D005	N/A	N/A	N	N/A
Beryllium	N	N/A	N/A	N/A	N/A	N/A	N/A	P015	N	N/A
Cadmium	N	N/A	N/A	N/A	N/A	D006	N/A	N/A	N	N/A
Chromium	N	N/A	N/A	N/A	N/A	D007	N/A	N/A	N	N/A
Lead	Y	Unknown	N/A	N/A	N	D008	N/A	N/A	D008	N/A
Mercury	N	N/A	N/A	N/A	N/A	D009	N/A	U151	N	N/A
Selenium	N	N/A	N/A	N/A	N/A	D010	N/A	N/A	N	N/A
Silver	N	N/A	N/A	N/A	N/A	D011	N/A	N/A	N	N/A
Volatile Organic Compounds (CCP-PO-001 - Tables C3-2 and C3-4 & 40 CFR Part 261)										
1,1,1-Trichloroethane	Y	Unknown	N	Y	N/A	N/A	F001/F002	U226	N	N/A
1,1,2,2-Tetrachloroethane	N	N/A	N/A	N/A	N/A	N/A	N/A	U209	N	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	N	N/A	N/A	N/A	N/A	N/A	F001/F002	N/A	N	N/A
1,1,2-Trichloroethane	N	N/A	N/A	N/A	N/A	N/A	F002	U227 [k]	N	N/A
1,1-Dichloroethane	N	N/A	N/A	N/A	N/A	N/A	N/A	U076 [k]	N	N/A
1,1-Dichloroethylene	N	N/A	N/A	N/A	N/A	D029	N/A	U078	N	N/A
1,2-Dichlorobenzene [d]	N	N/A	N/A	N/A	N/A	N/A	F002	U070	N	N/A
1,2-Dichloroethane	N	N/A	N/A	N/A	N/A	D028	N/A	U077 [k]	N	N/A
1,4-Dichlorobenzene [d]	N	N/A	N/A	N/A	N/A	D027	N/A	U072	N	N/A
2-Ethoxyethanol	N	N/A	N/A	N/A	N/A	N/A	F005	U359 [k]	N	N/A
2-Nitropropane	N	N/A	N/A	N/A	N/A	N/A	F005	U171 [k]	N	N/A
Acetone	N	N/A	N/A	N/A	N/A	N/A	F003	U002	N	N/A
Benzene	N	N/A	N/A	N/A	N/A	D018	F005	U019	N	N/A

NTPC RECORDS ORIGINAL
DATE REC'D 9/12/13

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-W027-321M-HOM

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)										
Bromoform	N	N/A	N/A	N/A	N/A	N/A	N/A	U225 [k]	N	N/A
Butanol (n-Butyl alcohol)	N	N/A	N/A	N/A	N/A	N/A	F003	U031 [k]	N	N/A
Carbon disulfide	N	N/A	N/A	N/A	N/A	N/A	F005	P022 [k]	N	N/A
Carbon tetrachloride	N	N/A	N/A	N/A	N/A	D019	F001	U211 [k]	N	N/A
Chlorobenzene	N	N/A	N/A	N/A	N/A	D021	F002	U037	N	N/A
Chloroform	N	N/A	N/A	N/A	N/A	D022	N/A	U044	N	N/A
Cyclohexanone	N	N/A	N/A	N/A	N/A	N/A	F003	U057 [k]	N	N/A
Ethyl acetate	N	N/A	N/A	N/A	N/A	N/A	F003	U112 [k]	N	N/A
Ethyl benzene	N	N/A	N/A	N/A	N/A	N/A	F003	N/A	N	N/A
Ethyl ether	N	N/A	N/A	N/A	N/A	N/A	F003	U117 [k]	N	N/A
Formaldehyde [g]	N	N/A	N/A	N/A	N/A	N/A	N/A	U122	N	N/A
Hydrazine [h]	N	N/A	N/A	N/A	N/A	N/A	N/A	U133	N	N/A
Isobutanol	N	N/A	N/A	N/A	N/A	N/A	F005	U140 [k]	N	N/A
Methanol	N	N/A	N/A	N/A	N/A	N/A	F003	U154	N	N/A
Methyl ethyl ketone	N	N/A	N/A	N/A	N/A	D035	F005	U159	N	N/A
Methyl isobutyl ketone	N	N/A	N/A	N/A	N/A	N/A	F003	U161 [k]	N	N/A
Methylene chloride	Y	Unknown	Y	N	N/A	N/A	F001/F002	U080 [k]	F002	N/A
Pyridine [d]	N	N/A	N/A	N/A	N/A	D038	F005	U196	N	N/A
Tetrachloroethylene	Y	Unknown	Y	N	N/A	D039	F001/F002	U210	F002	N/A
Toluene	N	N/A	N/A	N/A	N/A	N/A	F005	U220	N	N/A
trans-1,2-Dichloroethylene	N	N/A	N/A	N/A	N/A	N/A	N/A	U079	N	N/A
Trichloroethylene	Y	Unknown	Y	N	N/A	D040	F001/F002	U228	F002	N/A
Trichlorofluoromethane	N	N/A	N/A	N/A	N/A	N/A	F001/F002	U121 [k]	N	N/A
Vinyl Chloride	N	N/A	N/A	N/A	N/A	D043	N/A	U043	N	N/A
Xylenes	N	N/A	N/A	N/A	N/A	N/A	F003	U239	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-W027-321M-HOM

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Semivolatile Organic Compounds (CCP-PO-001 - Table C3-6 & 40 CFR Part 261)										
2,4,5-Trichlorophenol	N	N/A	N/A	N/A	N/A	D041 [k]	F027 [k]	N/A	N	N/A
2,4,6-Trichlorophenol	N	N/A	N/A	N/A	N/A	D042 [k]	F027 [k]	N/A	N	N/A
2,4-Dinitrophenol	N	N/A	N/A	N/A	N/A	N/A	N/A	P048 [k]	N	N/A
2,4-Dinitrotoluene	N	N/A	N/A	N/A	N/A	D030	N/A	U105	N	N/A
Cresols	N	N/A	N/A	N/A	N/A	D026	F004	U052	N	N/A
Cresols (m)	N	N/A	N/A	N/A	N/A	D024 [k]	N/A	N/A	N	N/A
Cresols (o)	N	N/A	N/A	N/A	N/A	D023 [k]	N/A	N/A	N	N/A
Cresols (p)	N	N/A	N/A	N/A	N/A	D025 [k]	N/A	N/A	N	N/A
Hexachlorobenzene	N	N/A	N/A	N/A	N/A	D032	N/A	U127 [k]	N	N/A
Hexachlorobutadiene	N	N/A	N/A	N/A	N/A	D033	N/A	U128 [k]	N	N/A
Hexachloroethane	N	N/A	N/A	N/A	N/A	D034	N/A	U131 [k]	N	N/A
Nitrobenzene	N	N/A	N/A	N/A	N/A	D036	F004	U169 [k]	N	N/A
Pentachlorophenol	N	N/A	N/A	N/A	N/A	D037	F027 [k]	N/A	N	N/A
Pesticides and Herbicides (40 CFR Part 261)										
2,4,5-TP (Silvex)	N	N/A	N/A	N/A	N/A	D017 [k]	F027 [k]	N/A	N	N/A
2,4-D	N	N/A	N/A	N/A	N/A	D016 [k]	N/A	U240 [k]	N	N/A
Chlordane	N	N/A	N/A	N/A	N/A	D020 [k]	N/A	U036 [k]	N	N/A
Endrin	N	N/A	N/A	N/A	N/A	D012 [k]	N/A	P051 [k]	N	N/A
Heptachlor (and its epoxide)	N	N/A	N/A	N/A	N/A	D031 [k]	N/A	P059 [k]	N	N/A
Lindane	N	N/A	N/A	N/A	N/A	D013 [k]	N/A	U129 [k]	N	N/A
Methoxychlor	N	N/A	N/A	N/A	N/A	D014 [k]	N/A	U247 [k]	N	N/A
Toxaphene	N	N/A	N/A	N/A	N/A	D015 [k]	N/A	P123 [k]	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-W027-321M-HOM

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents										
Wastewater treatment sludges from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F006	N/A	N	N/A
Spent cyanide plating bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F007	N/A	N	N/A
Spent cyanides stripping and cleaning bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F009	N/A	N	N/A
Total PCB Concentration [j]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional EPA Hazardous Constituents (List) Hydrofluoric acid	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional State Hazardous Constituents [b] (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potentially Flammable VOCs (List) [e,f]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-W027-321M-HOM										
Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents (cont.)										
Tentatively Identified Compounds (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

a. Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. Superscript not used.
d. Can also be analyzed as a semivolatile organic compound
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC
g. Required only for homogeneous solids and soil/gravel from LANL and SRS
h. Required only for homogeneous solids and soil/gravel from ORNL and SRS
i. Antimony, nickel, thallium, vanadium, and zinc are included in Table C3-8 of CCP-PO-001 but are not regulated under 40 CFR Part 261, and therefore, are not subject to AK evaluation per CCP-PO-001.
j. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
k. This EPA Hazardous Waste Number is not permitted for WIPP disposal.

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: Michael Papp (Print) / (Sign) **Date:** 4/4/13

DIVIDER PAGE

Attachment 5–Hazardous Constituents–Example Form

Site(s): Savannah River Site

Waste Stream Description: Building 77-10A Physics Laboratory PuBe Neutron Sources

Waste Stream Number: SR-RH-SDD.01									
Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging or radiolysis? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Toxicity Characteristics Metal Compounds (40 CFR Part 261)									
Arsenic	N	N/A	N/A	N/A	D004	N/A	N/A	N	N/A
Barium	N	N/A	N/A	N/A	D005	N/A	N/A	N	N/A
Cadmium	N	N/A	N/A	N/A	D006	N/A	N/A	N	N/A
Chromium	N	N/A	N/A	N/A	D007	N/A	N/A	N	N/A
Lead	N	N/A	N/A	N/A	D008	N/A	N/A	N	N/A
Mercury	N	N/A	N/A	N/A	D009	N/A	U151	N	N/A
Selenium	N	N/A	N/A	N/A	D010	N/A	N/A	N	N/A
Silver	N	N/A	N/A	N/A	D011	N/A	N/A	N	N/A
Volatile Organic Compounds (40 CFR Part 261)									
1,1,1-Trichloroethane	N	N/A	N/A	N/A	N/A	F001/F002	U226	N	N/A
1,1,2,2-Tetrachloroethane	N	N/A	N/A	N/A	N/A	N/A	U209	N	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	N	N/A	N/A	N/A	N/A	F001/F002	N/A	N	N/A
1,1,2-Trichloroethane	N	N/A	N/A	N/A	N/A	F002	U227 [c]	N	N/A
1,1-Dichloroethylene	N	N/A	N/A	N/A	D029	N/A	U078	N	N/A
1,2-Dichlorobenzene	N	N/A	N/A	N/A	N/A	F002	U070	N	N/A
1,2-Dichloroethane	N	N/A	N/A	N/A	D028	N/A	U077 [c]	N	N/A
1,4-Dichlorobenzene	N	N/A	N/A	N/A	D027	N/A	U072	N	N/A
1,4-Dioxane	N	N/A	N/A	N/A	N/A	N/A	U108	N	N/A
2-Ethoxyethanol	N	N/A	N/A	N/A	N/A	F005	U359 [c]	N	N/A
2-Nitropropane	N	N/A	N/A	N/A	N/A	F005	U171 [c]	N	N/A
Acetone	N	N/A	N/A	N/A	N/A	F003	U002	N	N/A
Acetonitrile	N	N/A	N/A	N/A	N/A	N/A	U003	N	N/A
Benzene	N	N/A	N/A	N/A	D018	F005	U019	N	N/A
Butanol (n-Butyl alcohol)	N	N/A	N/A	N/A	N/A	F003	U031 [c]	N	N/A
Carbon disulfide	N	N/A	N/A	N/A	N/A	F005	P022 [c]	N	N/A
Carbon tetrachloride	N				D019	F001	U211 [c]		

NTPC RECORDS ORIGINAL
DATE REC'D 9/13/13

Attachment 5–Hazardous Constituents–Example Form (Continued)

Waste Stream Number: SR-RH-SDD.01									
Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging or radiolysis? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)									
Chlorobenzene	N	N/A	N/A	N/A	D021	F002	U037	N	N/A
Chloroform	N	N/A	N/A	N/A	D022	N/A	U044	N	N/A
Cyclohexanone	N	N/A	N/A	N/A	N/A	F003	U057 [c]	N	N/A
Ethyl acetate	N	N/A	N/A	N/A	N/A	F003	U112 [c]	N	N/A
Ethyl benzene	N	N/A	N/A	N/A	N/A	F003	N/A	N	N/A
Ethyl ether	N	N/A	N/A	N/A	N/A	F003	U117 [c]	N	N/A
Formaldehyde	N	N/A	N/A	N/A	N/A	N/A	U122	N	N/A
Hydrazine	N	N/A	N/A	N/A	N/A	N/A	U133	N	N/A
Isobutanol	N	N/A	N/A	N/A	N/A	F005	U140 [c]	N	N/A
Methanol	N	N/A	N/A	N/A	N/A	F003	U154	N	N/A
Methyl ethyl ketone	N	N/A	N/A	N/A	D035	F005	U159	N	N/A
Methyl isobutyl ketone	N	N/A	N/A	N/A	N/A	F003	U161 [c]	N	N/A
Methylene chloride	N	N/A	N/A	N/A	N/A	F001/F002	U080 [c]	N	N/A
Pyridine	N	N/A	N/A	N/A	D038	F005	U196	N	N/A
Tetrachloroethylene	N	N/A	N/A	N/A	D039	F001/F002	U210	N	N/A
Toluene	N	N/A	N/A	N/A	N/A	F005	U220	N	N/A
trans-1,2-Dichloroethylene	N	N/A	N/A	N/A	N/A	N/A	U079	N	N/A
Trichloroethylene	N	N/A	N/A	N/A	D040	F001/F002	U228	N	N/A
Trichlorofluoromethane	N	N/A	N/A	N/A	N/A	F001/F002	U121 [c]	N	N/A
Vinyl Chloride	N	N/A	N/A	N/A	D043	N/A	U043	N	N/A
Xylenes	N	N/A	N/A	N/A	N/A	F003	U239	N	N/A
Semivolatile Organic Compounds (40 CFR Part 261)									
2,4-Dinitrotoluene		N/A	N/A	N/A	D030	N/A	U105	N	N/A
Cresols		N/A	N/A	N/A	D026	F004	U052	N	N/A
Dimethyl sulfate		N/A	N/A	N/A	N/A	N/A	U103	N	N/A
Hexachlorobenzene		N/A	N/A	N/A	D032	N/A	U127 [c]	N	N/A
Hexachlorobutadiene		N/A	N/A	N/A	D033	N/A	U128 [c]	N	N/A
Hexachloroethane		N/A	N/A	N/A	D034	N/A	U131 [c]	N	N/A
Nitrobenzene		N/A	N/A	N/A	D036	F004	U169 [c]	N	N/A
Pentachlorophenol		N/A	N/A	N/A	D037	F027 [c]	N/A	N	N/A

Attachment 5–Hazardous Constituents–Example Form (Continued)

Waste Stream Number: SR-RH-SDD.01									
Compound	Suspected Present? (Y/N)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging or radiolysis? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents									
Wastewater treatment sludges from electroplating operations	N	N/A	N/A	N/A	N/A	F006	N/A	N/A	N/A
Spent cyanide plating bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	F007	N/A	N/A	N/A
Spent cyanides stripping and cleaning bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	F009	N/A	N/A	N/A
Beryllium powder	Y-<1% wt.	N/A	N/A	N/A	N/A	N/A	P015	N	N/A
Cyanide (soluble cyanide salts)	N	N/A	N/A	N/A	N/A	N/A	P030	N/A	N/A
Potassium cyanide	N	N/A	N/A	N/A	N/A	N/A	P098	N/A	N/A
Potassium silver cyanide	N	N/A	N/A	N/A	N/A	N/A	P099	N/A	N/A
Sodium Cyanide	N	N/A	N/A	N/A	N/A	N/A	P106	N/A	N/A
Vanadium pentoxide	N	N/A	N/A	N/A	N/A	N/A	P120	N/A	N/A
Hydrofluoric acid	N	N/A	N/A	N/A	N/A	N/A	U134	N/A	N/A
Total PCB Concentration [d]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional EPA Hazardous Constituents (List)	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional State Hazardous Constituents [b] (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potentially Flammable VOCs (List) [e,f]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attachment 5–Hazardous Constituents–Example Form (Continued)

Waste Stream Number: SR-RH-SDD.01

a Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. This EPA Hazardous Waste Number is not permitted for WIPP disposal.
d. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: Kevin J. Peters / Date: 6/28/2013
Print Sign

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Attachment 5 – Hazardous Constituents

Site(s): Savannah River Site

Waste Stream Description: Savannah River Site Remote-Handled Transuranic Waste

Waste Stream Number: SR-RH-221H.01

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Metal Compounds (CCP-PO-001 – Table C3-8 & 40 CFR Part 261) [i]										
Arsenic	N	N/A	N/A	N/A	N/A	D004	N/A	N/A	N	N/A
Barium	N	N/A	N/A	N/A	N/A	D005	N/A	N/A	N	N/A
Beryllium	Y	<1 wt%	N/A	N/A	N/A	N/A	N/A	P015	N	N/A
Cadmium	Y	Unknown	N/A	N/A	N	D006	N/A	N/A	D006	N/A
Chromium	N	N/A	N/A	N/A	N/A	D007	N/A	N/A	N	N/A
Lead	Y	Unknown	N/A	N/A	N	D008	N/A	N/A	D008	N/A
Mercury	Y	Unknown	N/A	N/A	N	D009	N/A	U151	D009	N/A
Selenium	N	N/A	N/A	N/A	N/A	D010	N/A	N/A	N	N/A
Silver	N	N/A	N/A	N/A	N/A	D011	N/A	N/A	N	N/A
Volatile Organic Compounds (CCP-PO-001 – Tables C3-2 and B3-4 & 40 CFR Part 261)										
1,1,1-Trichloroethane	Y	Unknown	Y	N	N/A	N/A	F001/F002	U226	F001/F002	N/A
1,1,2,2-Tetrachloroethane	N	N/A	N/A	N/A	N/A	N/A	N/A	U209	N	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	Y	Unknown	Y	N	N/A	N/A	F001/F002	N/A	F002	N/A
1,1,2-Trichloroethane	N	N/A	N/A	N/A	N/A	N/A	F002	U227 [k]	N	N/A
1,1-Dichloroethane	N	N/A	N/A	N/A	N/A	N/A	N/A	U076 [k]	N	N/A
1,1-Dichloroethylene	Y	Unknown	N/A	N	N	D029	N/A	U078	D029	N/A
1,2-Dichlorobenzene [d]	N	N/A	N/A	N/A	N/A	N/A	F002	U070	N	N/A
1,2-Dichloroethane	N	N/A	N/A	N/A	N/A	D028	N/A	U077 [k]	N	N/A
1,4-Dichlorobenzene [d]	N	N/A	N/A	N/A	N/A	D027	N/A	U072	N	N/A
2-Ethoxyethanol	N	N/A	N/A	N/A	N/A	N/A	F005	U359 [k]	N	N/A
2-Nitropropane	N	N/A	N/A	N/A	N/A	N/A	F005	U171 [k]	N	N/A
Acetone	Y	Unknown	Y	N	N/A	N/A	F003	U002	N	N/A
Benzene	N	N/A	N/A	N/A	N/A	D018	F005	U019	N	N/A

CCP RECORDS ORIGINAL
DATE REC'D 7-7-11

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-RH-221H.01

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)										
Bromoform	N	N/A	N/A	N/A	N/A	N/A	N/A	U225 [k]	N	N/A
Butanol (n-Butyl alcohol)	N	N/A	N/A	N/A	N/A	N/A	F003	U031 [k]	N	N/A
Carbon disulfide	N	N/A	N/A	N/A	N/A	N/A	F005	P022 [k]	N	N/A
Carbon tetrachloride	Y	Unknown	Y	N	N	D019	F001	U211 [k]	F001/D019	N/A
Chlorobenzene	N	N/A	N/A	N/A	N/A	D021	F002	U037	N	N/A
Chloroform	Y	Unknown	N/A	N	N	D022	N/A	U044	D022	N/A
Cyclohexanone	Y	N/A	Y	N	N/A	N/A	F003	U057 [k]	N	N/A
Ethyl acetate	Y	N/A	Y	N	N/A	N/A	F003	U112 [k]	N	N/A
Ethyl benzene	N	N/A	N/A	N/A	N/A	N/A	F003	N/A	N	N/A
Ethyl ether	N	N/A	N/A	N/A	N/A	N/A	F003	U117 [k]	N	N/A
Formaldehyde [g]	N	N/A	N/A	N/A	N/A	N/A	N/A	U122	N	N/A
Hydrazine [h]	Y	Unknown	N/A	N	N/A	N/A	N/A	U133	U133	N/A
Isobutanol	N	N/A	N/A	N/A	N/A	N/A	F005	U140 [k]	N	N/A
Methanol	Y	Unknown	Y	N	N/A	N/A	F003	U154	N	N/A
Methyl ethyl ketone	Y	Unknown	Y	N	N/A	D035	F005	U159	F005	N/A
Methyl isobutyl ketone	N	N/A	N/A	N/A	N/A	N/A	F003	U161 [k]	N	N/A
Methylene chloride	Y	Unknown	N/A	Y	N/A	N/A	F001/F002	U080 [k]	N	N/A
Pyridine [d]	N	N/A	N/A	N/A	N/A	D038	F005	U196	N	N/A
Tetrachloroethylene	Y	Unknown	Y	N	N	D039	F001/F002	U210	D039/F001 /F002	N/A
Toluene	N	N/A	N/A	N/A	N/A	N/A	F005	U220	N	N/A
trans-1,2-Dichloroethylene	N	N/A	N/A	N/A	N/A	N/A	N/A	U079	N	N/A
Trichloroethylene	Y	Unknown	Y	N	N	D040	F001/F002	U228	D040/F001 /F002	N/A
Trichlorofluoromethane	N	N/A	N/A	N/A	N/A	N/A	F001/F002	U121 [k]	N	N/A
Vinyl Chloride	Y	Unknown	N/A	N	N	D043	N/A	U043	D043	N/A
Xylenes	N	N/A	N/A	N/A	N/A	N/A	F003	U239	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-RH-221H.01

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Semivolatile Organic Compounds (CCP-PO-001 – Table C3-6 & 40 CFR Part 261)										
2,4,5-Trichlorophenol	N	N/A	N/A	N/A	N/A	D041 [k]	F027 [k]	N/A	N	N/A
2,4,6-Trichlorophenol	N	N/A	N/A	N/A	N/A	D042 [k]	F027 [k]	N/A	N	N/A
2,4-Dinitrophenol	N	N/A	N/A	N/A	N/A	N/A	N/A	P048 [k]	N	N/A
2,4-Dinitrotoluene	N	N/A	N/A	N/A	N/A	D030	N/A	U105	N	N/A
Cresols	N	N/A	N/A	N/A	N/A	D026	F004	U052	N	N/A
Cresols (m)	N	N/A	N/A	N/A	N/A	D024 [k]	N/A	N/A	N	N/A
Cresols (o)	N	N/A	N/A	N/A	N/A	D023 [k]	N/A	N/A	N	N/A
Cresols (p)	N	N/A	N/A	N/A	N/A	D025 [k]	N/A	N/A	N	N/A
Hexachlorobenzene	N	N/A	N/A	N/A	N/A	D032	N/A	U127 [k]	N	N/A
Hexachlorobutadiene	N	N/A	N/A	N/A	N/A	D033	N/A	U128 [k]	N	N/A
Hexachloroethane	N	N/A	N/A	N/A	N/A	D034	N/A	U131 [k]	N	N/A
Nitrobenzene	N	N/A	N/A	N/A	N/A	D036	F004	U169 [k]	N	N/A
Pentachlorophenol	N	N/A	N/A	N/A	N/A	D037	F027 [k]	N/A	N	N/A
Pesticides and Herbicides (40 CFR Part 261)										
2,4,5-TP (Silvex)	N	N/A	N/A	N/A	N/A	D017 [k]	F027 [k]	N/A	N	N/A
2,4-D	N	N/A	N/A	N/A	N/A	D016 [k]	N/A	U240 [k]	N	N/A
Chlordane	N	N/A	N/A	N/A	N/A	D020 [k]	N/A	U036 [k]	N	N/A
Endrin	N	N/A	N/A	N/A	N/A	D012 [k]	N/A	P051 [k]	N	N/A
Heptachlor (and its epoxide)	N	N/A	N/A	N/A	N/A	D031 [k]	N/A	P059 [k]	N	N/A
Lindane	N	N/A	N/A	N/A	N/A	D013 [k]	N/A	U129 [k]	N	N/A
Methoxychlor	N	N/A	N/A	N/A	N/A	D014 [k]	N/A	U247 [k]	N	N/A
Toxaphene	N	N/A	N/A	N/A	N/A	D015 [k]	N/A	P123 [k]	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-RH-221H.01

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents										
Wastewater treatment sludges from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F006	N/A	N	N/A
Spent cyanide plating bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F007	N/A	N	N/A
Spent cyanides stripping and cleaning bath solutions from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F009	N/A	N	N/A
Total PCB Concentration [j]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional EPA Hazardous Constituents (List) chlorinated hydrocarbons	Y	Unknown	Y	N	N/A	N/A	F001	N/A	F001	N/A N/A
Note: If sampling homogeneous waste, identify all chemical constituents listed in tables C3-4, C3-6 and C3-8 of the WAP										
Additional State Hazardous Constituents [b] (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A
Potentially Flammable VOCs (List) [e,f] Acetone, Methanol, Methyl ethyl ketone,	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A
Tentatively Identified Compounds (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-RH-221H.01

a Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. Superscript not used
d. Can also be analyzed as a semivolatile organic compound
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC
g. Required only for homogeneous solids and soil/gravel from LANL and SRS
h. Required only for homogeneous solids and soil/gravel from ORNL and SRS
i. Antimony, nickel, thallium, vanadium, and zinc are included in Table C3-8 of CCP-PO-001 but are not regulated under 40 CFR Part 261, and therefore, are not subject to AK evaluation per CCP-PO-001.
j. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
k. This EPA hazardous waste Number is not permitted for WIPP disposal.

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: Jason Montoya / _____ Date: 6/30/11 6/30/11
Print Sign

DIVIDER PAGE

Attachment 5 – Hazardous Constituents

Site(s): Savannah River Site (CCP-AK-SRS-8)

Waste Stream Description: Mixed TRU Soil Waste

Waste Stream Number: SR-MD-SOIL

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Metal Compounds (CCP-PO-001 – Table C3-8 & 40 CFR Part 261) [i]										
Arsenic	Y	Unknown	N/A	N	N/A	D004	N/A	N/A	D004	N/A
Barium	Y	Unknown	N/A	N	N/A	D005	N/A	N/A	D005	N/A
Beryllium	Y	Unknown	N/A	N	N/A	N/A	N/A	P015	N/A	N/A
Cadmium	Y	Unknown	N/A	N	N/A	D006	N/A	N/A	D006	N/A
Chromium	Y	Unknown	N/A	N	N/A	D007	N/A	N/A	D007	N/A
Lead	Y	Unknown	N/A	N	N/A	D008	N/A	N/A	D008	N/A
Mercury	Y	Unknown	N/A	N	N/A	D009	N/A	U151	D009	N/A
Selenium	Y	Unknown	N/A	N	N/A	D010	N/A	N/A	D010	N/A
Silver	Y	Unknown	N/A	N	N/A	D011	N/A	N/A	D011	N/A
Volatile Organic Compounds (CCP-PO-001 – Tables C3-2 and C3-4 & 40 CFR Part 261)										
1,1,1-Trichloroethane	Y	Unknown	Y	N	N/A	N/A	F001/F002	U226	F002	N/A
1,1,2,2-Tetrachloroethane	Y	Unknown	Y	N	N/A	N/A	N/A	U209	N	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	Y	Unknown	Y	N	N/A	N/A	F001/F002	N/A	F002	N/A
1,1,2-Trichloroethane	N	N/A	N/A	N/A	N/A	N/A	F002	U227 [k]	N	N/A
1,1-Dichloroethane	N	N/A	N/A	N/A	N/A	N/A	N/A	U076 [k]	N	N/A
1,1-Dichloroethylene	N	N/A	N/A	N/A	N/A	D029	N/A	U078	N	N/A
1,2-Dichlorobenzene [d] (ortho-dichlorobenzene)	Y	Unknown	Y	N	N/A	N/A	F002	U070	F002	N/A
1,2-Dichloroethane	N	N/A	N/A	N/A	N/A	D028	N/A	U077 [k]	N	N/A
1,4-Dichlorobenzene [d]	N	N/A	N/A	N/A	N/A	D027	N/A	U072	N	N/A
2-Ethoxyethanol	Y	Unknown	Y	N	N/A	N/A	F005	U359 [k]	F005	N/A
2-Nitropropane	Y	Unknown	Y	N	N/A	N/A	F005	U171 [k]	F005	N/A
Acetone	Y	Unknown	Y	N	N/A	N/A	F003	U002	F003	N/A
Benzene	Y	Unknown	Y	N	N	D018	F005	U019	F005	N/A

10-11-202

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-MD-SOIL

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)										
Bromoform	N	N/A	N/A	N/A	N/A	N/A	N/A	U225 [k]	N	N/A
Butanol (n-Butyl alcohol)	Y	Unknown	Y	N	N/A	N/A	F003	U031 [k]	F003	N/A
Carbon disulfide	Y	Unknown	Y	N	N/A	N/A	F005	P022 [k]	F005	N/A
Carbon tetrachloride	N	N/A	N/A	N/A	N/A	D019	F001	U211 [k]	N	N/A
Chlorobenzene	Y	Unknown	Y	N	N	D021	F002	U037	F002	N/A
Chloroform	N	N/A	N/A	N/A	N/A	D022	N/A	U044	N	N/A
Cyclohexanone	Y	Unknown	Y	N	N/A	N/A	F003	U057 [k]	F003	N/A
Ethyl acetate	Y	Unknown	Y	N	N/A	N/A	F003	U112 [k]	F003	N/A
Ethyl benzene	Y	Unknown	Y	N	N/A	N/A	F003	N/A	F003	N/A
Ethyl ether	Y	Unknown	Y	N	N/A	N/A	F003	U117 [k]	F003	N/A
Formaldehyde [g]	N	N/A	N/A	N/A	N/A	N/A	N/A	U122	N	N/A
Hydrazine [h]	N	N/A	N/A	N/A	N/A	N/A	N/A	U133	N	N/A
Isobutanol	Y	Unknown	Y	N	N/A	N/A	F005	U140 [k]	F005	N/A
Methanol	Y	Unknown	Y	N	N/A	N/A	F003	U154	F003	N/A
Methyl ethyl ketone	Y	Unknown	Y	N	N	D035	F005	U159	F005	N/A
Methyl isobutyl ketone	Y	Unknown	Y	N	N/A	N/A	F003	U161 [k]	F003	N/A
Methylene chloride	Y	Unknown	Y	N	N/A	N/A	F001/F002	U080 [k]	F002	N/A
Pyridine [d]	Y	Unknown	Y	N	N	D038	F005	U196	F005	N/A
Tetrachloroethylene	Y	Unknown	Y	N	N	D039	F001/F002	U210	F002	N/A
Toluene	Y	Unknown	Y	N	N/A	N/A	F005	U220	F005	N/A
trans-1,2-Dichloroethylene	N	N/A	N/A	N/A	N/A	N/A	N/A	U079	N	N/A
Trichloroethylene	Y	Unknown	Y	N	N	D040	F001/F002	U228	F002	N/A
Trichlorofluoromethane	Y	Unknown	Y	N	N/A	N/A	F001/F002	U121 [k]	F002	N/A
Vinyl Chloride	N	N/A	N/A	N/A	N/A	D043	N/A	U043	N	N/A
Xylenes	Y	Unknown	Y	N	N/A	N/A	F003	U239	F003	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-MD-SOIL

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Semivolatile Organic Compounds (CCP-PO-001 – Table C3-6 & 40 CFR Part 261)										
2,4,5-Trichlorophenol	N	N/A	N/A	N/A	N/A	D041 [k]	F027 [k]	N/A	N	N/A
2,4,6-Trichlorophenol	N	N/A	N/A	N/A	N/A	D042 [k]	F027 [k]	N/A	N	N/A
2,4-Dinitrophenol	N	N/A	N/A	N/A	N/A	N/A	N/A	P048 [k]	N	N/A
2,4-Dinitrotoluene	N	N/A	N/A	N/A	N/A	D030	N/A	U105	N	N/A
Cresols	N	N/A	N/A	N/A	N/A	D026	F004	U052	N	N/A
Cresols (m)	N	N/A	N/A	N/A	N/A	D024 [k]	N/A	N/A	N	N/A
Cresols (o)	N	N/A	N/A	N/A	N/A	D023 [k]	N/A	N/A	N	N/A
Cresols (p)	N	N/A	N/A	N/A	N/A	D025 [k]	N/A	N/A	N	N/A
Hexachlorobenzene	N	N/A	N/A	N/A	N/A	D032	N/A	U127 [k]	N	N/A
Hexachlorobutadiene	N	N/A	N/A	N/A	N/A	D033	N/A	U128 [k]	N	N/A
Hexachloroethane	N	N/A	N/A	N/A	N/A	D034	N/A	U131 [k]	N	N/A
Nitrobenzene	Y	Unknown	Y	N	N	D036	F004	U169 [k]	F004	N/A
Pentachlorophenol	N	N/A	N/A	N/A	N/A	D037	F027 [k]	N/A	N	N/A
Pesticides and Herbicides (40 CFR Part 261)										
2,4,5-TP (Silvex)	N	N/A	N/A	N/A	N/A	D017 [k]	F027 [k]	N/A	N	N/A
2,4-D	N	N/A	N/A	N/A	N/A	D016 [k]	N/A	U240 [k]	N	N/A
Chlordane	N	N/A	N/A	N/A	N/A	D020 [k]	N/A	U036 [k]	N	N/A
Endrin	N	N/A	N/A	N/A	N/A	D012 [k]	N/A	P051 [k]	N	N/A
Heptachlor (and its epoxide)	N	N/A	N/A	N/A	N/A	D031 [k]	N/A	P059 [k]	N	N/A
Lindane	N	N/A	N/A	N/A	N/A	D013 [k]	N/A	U129 [k]	N	N/A
Methoxychlor	N	N/A	N/A	N/A	N/A	D014 [k]	N/A	U247 [k]	N	N/A
Toxaphene	N	N/A	N/A	N/A	N/A	D015 [k]	N/A	P123 [k]	N	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-MD-SOIL

Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents										
Wastewater treatment sludges from electroplating operations	N	N/A	N/A	N/A	N/A	N/A	F006	N/A	N	N/A
Spent cyanide plating bath solutions from electroplating operations	Y	Unknown	Y	N	N/A	N/A	F007	N/A	F007	N/A
Spent cyanides stripping and cleaning bath solutions from electroplating operations	Y	Unknown	Y	N	N/A	N/A	F009	N/A	F009	N/A
Total PCB Concentration [j]	Y	<50 ppm	N	N	N/A	N/A	N/A	N/A	N/A	N/A
Additional EPA Hazardous Constituents (List)	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Additional State Hazardous Constituents [b] (List) [e]	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potentially Flammable VOCs (List) [e,f]	**Y**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
Acetone	Y	Unknown	Y	N	N/A	N/A	F003	U002	F003	N/A
Benzene	Y	Unknown	Y	N	N	D018	F005	U019	F005	N/A
1-Butanol (n-Butyl alcohol)	Y	Unknown	Y	N	N/A	N/A	F003	U031 [k]	F003	N/A
Ethyl benzene	Y	Unknown	Y	N	N/A	N/A	F003	N/A	F003	N/A
Ethyl ether	Y	Unknown	Y	N	N/A	N/A	F003	U117 [k]	F003	N/A
Methanol	Y	Unknown	Y	N	N/A	N/A	F003	U154	F003	N/A
Methyl ethyl ketone	Y	Unknown	Y	N	N	D035	F005	U159	F005	N/A
Methyl isobutyl ketone	Y	Unknown	Y	N	N/A	N/A	F003	U161 [k]	F003	N/A
Toluene	Y	Unknown	Y	N	N/A	N/A	F005	U220	F005	N/A
Xylenes	Y	Unknown	Y	N	N/A	N/A	F003	U239	F003	N/A
Tentatively Identified Compounds (List) [e]	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attachment 5 – Hazardous Constituents (continued)

Waste Stream Number: SR-MD-SOIL

a Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. Superscript not used
d. Can also be analyzed as a semivolatile organic compound
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC
g. Required only for homogeneous solids and soil/gravel from LANL and SRS
h. Required only for homogeneous solids and soil/gravel from ORNL and SRS
i. Antimony, nickel, thallium, vanadium, and zinc are included in Table C3-8 of CCP-PO-001 but are not regulated under 40 CFR Part 261, and therefore, are not subject to AK evaluation per CCP-PO-001.
j. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
k. This EPA hazardous waste Number is not permitted for WIPP disposal.

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: Christopher Chancellor / Date: 10/10/2012
Print Sign

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging

Site(s): Savannah River Site

Waste Stream Description: Building 777-10A Physics Laboratory Neutron Sources

Container ID Numbers: See Attachment 8 for final container ID numbers

Waste Stream Number: SR-RH-SDD.01	
Physical Waste Form (e.g., debris, solidified waste)	Debris (neutron sources and SFCs)
Summary Category Group [a]	S5000
Waste Matrix Code Group [a]	Heterogeneous Debris
Waste Matrix Code [b]	S5400 – Heterogeneous Debris
Waste Material Parameter Weights [c] See attached Evaluation - C003	Estimated Waste Stream Weight Percent Average (attach evaluation justifying percentages)
Iron-based metals/alloys (stainless steel)	47.6%
Aluminum-based metals/alloys (Al sleeve/holder)	1.4%
Other metals (plutonium and beryllium)	0.4%
Other inorganic materials	0%
Cellulosics (wood bracing)	50.6%
Rubber	0%
Plastics (waste materials)	0%
Organic matrix	0%
Inorganic matrix	0%
Soils/Gravels	0%
Packaging Materials	Present (Y/N)?
Steel	N – SFCs considered waste
Plastics	N
Prohibited Wastes [d,e,f,g]	Present (Y/N)?
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	N
Non-radionuclide pyrophoric materials	N
Sealed containers > 4 liters	N
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	N

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Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging (continued)

Waste Stream Number: SR-RH-SDD.01	
Explosives	N
Compressed gases	N
Residual hydrofluoric acid (if U134 assigned to stream)	N
Residual PCB liquids [j]	N
Ignitables (EPA Hazardous Waste Number D001)	N
Corrosives (EPA Hazardous Waste Number D002)	N
Reactives (EPA Hazardous Waste Number D003)	N
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes [h]	N
Spent Nuclear fuel or high-level waste [i]	N
Any un-vented plastic bags > 4 liters that have been heat-sealed	N
Additional Information (if available)	———
Packaging	———
Waste container type?	15- and 16-gallon drums
Liner type?	None
Is liner punctured?	NA
Is filter vent installed?	Y
Maximum number of confinement layers	0

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) or DOE Waste Treatability Group Guidance (DOE/LLW-217). Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 – Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.27).
d. Source: CCP-PO-001 – Section C-1c
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC)(DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC), Nuclear Waste Partnership*, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR 761)

Acceptable Knowledge Expert: Kevin J. Peters / _____ Date: 10/10/2013
Print Sign

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site

Source Document Tracking Number: C003

Waste Stream Number(s): SR-RH-SDD.01

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:
- [x] TRU Waste Management Program Information
- [x] Waste Stream-Specific Information
- [x] Additional Information

Category:
- [x] C - Correspondence
- [ ] DR - Discrepancy Resolution
- [ ] P - Published procedures and reports
- [ ] U - Unpublished documents

Title or Description of Source Document [a]: Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

Source Document Reference Information (author(s), document and revision number, date, publisher): Kevin Peters, N/A, 09/17/2013

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR6, WS1, WS3, WS6, WS8, WS9, S18	Page 1 of 1	This evaluation shows the weight and volumes of the waste and container construction materials for the 3 sources in this waste stream. Includes the waste material parameter weights for the final waste stream and each container and amount of beryllium estimated for each container in the waste stream. The size of the drums to be used 15- and 16-gallon drums provided by Irene Joo. This supercedes the 6/28/2013 version of this source to include the wood bracing included in the drums during repackaging (See photographs in U004)

Source Document Data Limitations (If any):

1. Weights based on OSRP estimated volumes and weights.

Acceptable Knowlege Expert:

Kevin J. Peters, _____ Date: 9/18/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

NTPC RECORDS ORIGINAL
DATE REC'D 9/23/13

Souce Document U003
By: Steve Schafer
Date: June 27, 2013

Table X1. Reported Radionuclide Mass and Activity for Waste Stream SR-RH-SDD.01

	M029		M044		M045	
Radionuclide	**Curies**	**Grams**	**Curies**	**Grams**	**Curies**	**Grams**
Am-241	2.90E+00	8.36E-01	1.09E+00	3.14E-01	1.50E+00	4.32E-01
Np-237	2.25E-05	3.16E-02	8.43E-06	1.18E-02	1.16E-05	1.63E-02
Pa-233	2.24E-05	1.08E-09	8.39E-06	4.03E-10	1.16E-05	5.58E-10
Pu-238	4.34E+01	2.51E+00	1.63E+01	9.42E-01	2.25E+01	1.30E+00
Pu-239	6.86E-01	1.09E+01	2.58E-01	4.10E+00	3.56E-01	5.66E+00
Pu-240	4.52E-01	1.97E+00	1.70E-01	7.39E-01	2.35E-01	1.02E+00
Pu-241	1.86E+01	1.79E-01	6.98E+00	6.71E-02	9.64E+00	9.27E-02
Pu-242	7.01E-03	1.77E+00	2.85E-04	7.18E-02	3.93E-04	9.90E-02
U-233	1.35E-09	1.38E-07	5.07E-10	5.19E-08	7.00E-10	7.17E-08
U-234	5.24E-03	8.29E-01	1.97E-03	3.12E-01	2.72E-03	4.30E-01
U-237	4.56E-04	5.53E-09	1.71E-04	2.07E-09	2.37E-04	2.87E-09
U-238	3.99E-11	1.17E-04	1.62E-12	4.76E-06	2.24E-12	6.59E-06
Totals	**6.61E+01**	**1.90E+01**	**2.48E+01**	**6.56E+00**	**3.42E+01**	**9.05E+00**

Taken from Souce Document C001

Activity and Mass Percentage

	M29 Curies	M29 Ci%	M29 Grams	M29 Wt.%	M44 Curies	M44 Ci%	M44 Grams	M44 Wt. %	M45 Curies	M45 Ci%	M45 Grams	M45 Wt%
Am-241	2.90E+00	4.39%	8.36E-01	4.39%	1.09E+00	4.40%	3.14E-01	4.79%	1.50E+00	4.38%	4.32E-01	4.77%
Np-237	2.25E-05	0.00%	3.16E-02	0.17%	8.43E-06	0.00%	1.18E-02	0.18%	1.16E-05	0.00%	1.63E-02	0.18%
Pa-233	2.24E-05	0.00%	1.08E-09	0.00%	8.39E-06	0.00%	4.03E-10	0.00%	1.16E-05	0.00%	5.58E-10	0.00%
Pu-238	4.34E+01	65.71%	2.51E+00	13.19%	1.63E+01	65.72%	9.42E-01	14.36%	2.25E+01	65.72%	1.30E+00	14.36%
Pu-239	6.86E-01	1.04%	1.09E+01	57.29%	2.58E-01	1.04%	4.10E+00	62.52%	3.56E-01	1.04%	5.66E+00	62.54%
Pu-240	4.52E-01	0.68%	1.97E+00	10.35%	1.70E-01	0.69%	7.39E-01	11.27%	2.35E-01	0.69%	1.02E+00	11.27%
Pu-241	1.86E+01	28.16%	1.79E-01	0.94%	6.98E+00	28.14%	6.71E-02	1.02%	9.64E+00	28.16%	9.27E-02	1.02%
Pu-242	7.01E-03	0.01%	1.77E+00	9.30%	2.85E-04	0.00%	7.18E-02	1.09%	3.93E-04	0.00%	9.90E-02	1.09%
U-233	1.35E-09	0.00%	1.38E-07	0.00%	5.07E-10	0.00%	5.19E-08	0.00%	7.00E-10	0.00%	7.17E-08	0.00%
U-234	5.24E-03	0.01%	8.29E-01	4.36%	1.97E-03	0.01%	3.12E-01	4.76%	2.72E-03	0.01%	4.30E-01	4.75%
U-237	4.56E-04	0.00%	5.53E-09	0.00%	1.71E-04	0.00%	2.07E-09	0.00%	2.37E-04	0.00%	2.87E-09	0.00%
U-238	3.99E-11	0.00%	1.17E-04	0.00%	1.62E-12	0.00%	4.76E-06	0.00%	2.24E-12	0.00%	6.59E-06	0.00%
Totals	6.61E+01	100.00%	**1.90E+01**	100.00%	2.48E+01	100.00%	**6.56E+00**	100.00%	3.42E+01	100.00%	9.05E+00	100.00%

	M29 Ci%	M44 Ci%	M45 Ci%
Am-241	4.39%	4.40%	4.38%
Np-237	3.41E-07	3.40E-07	3.39E-07
Pa-233	3.39E-07	3.38E-07	3.39E-07
Pu-238	65.71%	65.72%	65.72%
Pu-239	1.04%	1.04%	1.04%
Pu-240	0.68%	0.69%	0.69%
Pu-241	28.16%	28.14%	28.16%
Pu-242	0.01%	1.15E-05	1.15E-05
U-233	2.04E-11	2.04E-11	2.04E-11
U-234	0.01%	0.01%	0.01%
U-237	6.90E-06	6.90E-06	6.92E-06
U-238	6.04E-13	6.53E-14	6.54E-14
Totals	100.00%	100.00%	100.00%

	M29 Wt.%	M44 Wt. %	M45 Wt%	Waste Stream Average Wt. %	Ci %
Am-241	4.39%	4.79%	4.77%	4.65%	4.39%
Np-237	0.17%	0.18%	0.18%	0.18%	3.40E-07
Pa-233	5.68E-11	6.15E-11	6.17E-11	6.00E-11	3.39E-07
Pu-238	13.19%	14.36%	14.36%	13.97%	65.72%
Pu-239	57.29%	62.52%	62.54%	60.78%	1.04%
Pu-240	10.35%	11.27%	11.27%	10.96%	0.69%
Pu-241	0.94%	1.02%	1.02%	1.00%	28.15%
Pu-242	9.30%	1.09%	1.09%	3.83%	4.30E-05
U-233	7.25E-09	7.91E-09	7.92E-09	7.70E-09	2.04E-11
U-234	4.36%	4.76%	4.75%	4.62%	0.01%
U-237	2.91E-10	3.16E-10	3.17E-10	3.08E-10	6.91E-06
U-238	6.15E-06	7.26E-07	7.28E-07	2.53E-06	2.45E-13
Totals	100.00%	100.00%	100.00%	100.00%	100.00%

total PU	1.73E+01	5.92E+00	8.17E+00

Table X2. Reported Radionuclide Weight and Activity Percent in Waste Stream SR-RH-SDD.01

	Radionuclide	Relative Weight Percent	Relative Activity Percent	Expected Present (Yes/No)
	WIPP Radionuclides			
1	Am-241	4.65%	4.39%	Yes
2	Pu-238	13.97%	65.72%	Yes
3	Pu-239	60.78%	1.04%	Yes
4	Pu-240	10.96%	0.69%	Yes
5	Pu-242	3.83%	<0.01%	Yes
6	U-233	<0.01%	<0.01%	Yes
7	U-234	4.62%	0.01%	Yes
8	U-238	<0.01%	<0.01%	Yes
9	Cs-237	Not Reported		Yes
10	Sr-90	Not Reported		Yes
	Additional Radionuclides			
	Pa-233	6.00E-11	3.39E-07	Yes
	U-237	3.08E-10	6.91E-06	Yes
	Np-237	0.18%	3.40E-07	Yes
	Pu-241	1.00%	28.15%	Yes
	Totals	100.00%	100.00%	

Waste Stream SR-RH-SDD.01 Physical Parameter Evaluation

	M029	M044	M045	Total Weight (g.)
Stainless Steel Inner Capsule metal mass (g.)	161.3	102.0	116.5	379.80
Stainless Steel Outer Capsule metal mass (g.)	217.5	136.4	156.1	510
Aluminum Sleeve/Holder metal mass (g.)	227.8	175.5	149.9	553.20
Stainless Steel SFC metal mass (g.)	7536.0	5791.1	4956.6	18283.70
PuBe metal mass (g.)	77.22	45.93	56.13	179.28
Mass 15 lb. wood bracing (g.)	6804.00	6804.00	6804.00	20412.00
Mass Stainless Steel (g.)	7914.8	6029.5	5229.2	19173.5
Pecent Stainless Steel	52.7%	46.2%	42.7%	**47.6%**
Pecent Aluminium	1.5%	1.3%	1.2%	**1.4%**
Percent Other Metal (PuBe)	0.5%	0.4%	0.5%	**0.4%**
Percent Cellulosics (wood bracing)	45.3%	52.1%	55.6%	**50.6%**
Weight beryllium (g.)	60	39.52	47.24	146.76
Weight plutonium (g.)	17.22	6.41	8.89	32.52
Total Other Metal Weight (g.)	77.22	45.93	56.13	179.28
Weight % beryllium	**0.40%**	**0.30%**	**0.39%**	**0.37%**
SFC mass (g.)	7536.04	5791.12	4956.59	
Total Source weight (g.)	606.64	413.86	422.56	
Total Wt. (Source and SFC)(g.)	8142.68	6204.98	5379.15	19726.81
Total Wt. (with bracing)(g.)	14946.68	13008.98	12183.15	40138.81
Dimension of SFC (in)	2.0 (OD)x 24.75 (L)	2.0 (OD)x 19.0 (L)	2.0 (OD)x 16.25 (L)	
SFC Volume in Drum (in3)	77.8	59.7	51.1	
SFC Volume in Drum (liters)	0.50	0.39	0.33	
Waste Drum Volume (gal)	16	15	15	

NOTES:

Demensional, material of construction, and weight data obtained from documentation in AK Source U002.
Volume of waste drums provided by Irene Joo 6/27/2013.
Weight of wood bracing provided by Ralph Poling to Irene Joo on 8/7/2013. See U004 for pictures of bracing.

Kevin J. Peters

9/17/2013

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Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging

Site(s): Savannah River Site

Waste Stream Description: Absorbed Billet Lubricating Oil

Container ID Numbers: See CCP-TP-005, Attachment 8 for containers in this waste stream

Waste Stream Number: SR-W027-321M-HOM	
Physical Waste Form (e.g., debris, solidified waste)	Solidified Waste
Summary Category Group [a]	S3000
Waste Matrix Code Group [a]	Solidified Organics
Waste Matrix Code [b]	S3114
Waste Material Parameter Weights [c]	Estimated Waste Stream Weight Percent Average (attach evaluation justifying percentages)
Iron-based metals/alloys	3.3%
Aluminum-based metals/alloys	<.1%
Other metals	<.1%
Other inorganic materials	<.1%
Cellulosics	<.1%
Rubber	<.1%
Plastics (waste materials)	5.4%
Organic matrix	91.3%
Inorganic matrix	0%
Soils/Gravels	0%
Packaging Materials	Present (Y/N)?
Steel	Y
Plastics	Y
Prohibited Wastes [d,e,f,g]	Present (Y/N)?
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	Y
Non-radionuclide pyrophoric materials	N
Sealed containers > 4 liters	N
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	N

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Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging (continued)

Waste Stream Number: SR-W027-321M-HOM	
Explosives	N
Compressed gases	N
Residual hydrofluoric acid (if U134 assigned to stream)	N
Residual PCB liquids [j]	N
Ignitables (EPA Hazardous Waste Number D001)	N
Corrosives (EPA Hazardous Waste Number D002)	N
Reactives (EPA Hazardous Waste Number D003)	N
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes [h]	N
Spent Nuclear fuel or high-level waste [i]	N
Any un-vented plastic bags > 4 liters that have been heat-sealed	N
Additional Information (if available)	N
Packaging	
Waste container type?	DOT Specification 7A, Type A 55-gallon drums
Liner type?	90-mil rigid polyethylene drum liner
Is liner punctured?	N
Is filter vent installed?	Y
Maximum number of confinement layers	1

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) or DOE Waste Treatability Group Guidance (DOE/LLW-217). Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 – Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.26).
d. Source: CCP-PO-001 – Section C-1c
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC)(DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*, Nuclear Waste Partnership, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR Part 761)

Acceptable Knowledge Expert: Allen Dickerson / _____ Date: 10/30/2013
Print Sign

Memorandum

To: CCP Records

From: Jeff Harrison, CCP AKE

Date: October 25, 2013

RE: Waste Material Parameter Evaluation for Waste Stream SR-W027-321M-HOM, Absorbed Billet Lubricating Oil, Revision 1

In accordance to *CCP Acceptable Knowledge Documentation*, CCP-TP-005, Section 4.4.26, Waste Material Parameters (WMP) shall be estimated on a weight percent basis for the waste stream, documenting the assumptions and justification for deriving the estimated WMP.

Waste stream SR-W027-321M-HOM is comprised primarily of a lubricating oil and powdered lead mixture absorbed with Oil-Dri as well as lesser amounts of organic and inorganic debris waste items. The BGR identifies Type Code 2 which is defined as absorbed oil. The BGR for the one drum in the waste stream does not provide any waste material weight or volume estimates. The uncertified (i.e., "quick scan") RTR data sheet identified predominantly absorbent as well as plastics (bags, filters), metal cans, and scrap metal; however the RTR did not include weight or volume estimates of the various waste materials.

A second RTR "quick scan" was done on this drum to determine the summary category group and estimate the waste material parameter weights. RTR verified this waste as Summary Category Group S3000. The net weight of the waste was determined to be 83.2 kg. Iron-based metals was estimated to be 2.7 kg (2.7 / 83.2 = 3.3%), plastic was estimated to be 4.5 kg (4.5 / 83.2 = 5.4%), and absorbent was estimated to be 76.0 kg (76 / 83.2 = 91.3%). A summary of the evaluation of these data are provided in the table below.

Based on a review of Building 321-M maintenance procedures and other documentation, additional waste items in this waste stream may include iron-based metals (e.g., cans, dustpan, funnel, shovel), asbestos (e.g., gloves), paper (e.g., wipes), rags, leather gloves, plastic (e.g., bags, sheeting, tape), rubber (e.g., hose), protective clothing (e.g., coveralls, shoe covers), and equipment (e.g., portable pumps). Based on this additional description, aluminum, other metals, other inorganic materials, cellulosics, and rubber are identified in the table as potentially present in quantities less than 0.1 percent each.

Waste Stream SR-W027-321M-HOM Waste Material Parameters

Waste Material Parameter	Weight Percent
Fe Based Metals/Alloys	3.3%
Al based Metals/Alloys	<0.1%
Other Metals/Alloys	<0.1%
Other Inorganic Materials	<0.1%
Cellulosics	<0.1%
Rubber	<0.1%
Plastics (waste materials)	5.4%
Organic Matrix	91.3%
Inorganic Matrix	0%
Soils/Gravel	0%
Sum	**100%**

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PAGE

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging

Site(s): Savannah River Site

Waste Stream Description: Hazardous Debris from Pads 2 and 3 in the Old Burial Ground (Building 643G)

Container ID Numbers: See CCP-TP-005, Attachment 8 for containers in this waste stream

Waste Stream Number: SR-SWMF-HET-B	
Physical Waste Form (e.g., debris, solidified waste)	Debris
Summary Category Group[a]	S5000
Waste Matrix Code Group[a]	Heterogeneous Debris Waste
Waste Matrix Code[b]	S5400
Waste Material Parameter Weights[c]	Estimated Waste Stream Weight Percent Average (attach evaluation justifying percentages)
Iron-based metals/alloys	27.53%
Aluminum-based metals/alloys	0.00%
Other metals	0.00%
Other inorganic materials	42.96%
Cellulosics	24.52%
Rubber	0.00%
Plastics (waste materials)	4.99%
Organic matrix	0.00%
Inorganic matrix	0.00%
Soils/Gravels	0.00%
Packaging Materials	Present (Y/N)?
Steel	Y
Plastics	Y
Prohibited Wastes[d,e,f,g]	Present (Y/N)?
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	Y
Non-radionuclide pyrophoric materials	N
Sealed containers > 4 liters	Y
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	N

NTPC RECORDS ORIGINAL
DATE REC'D 10/22/13

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging (continued)

Waste Stream Number: SR-SWMF-HET-B	
Explosives	N
Compressed gases	Y (aerosol cans)
Residual hydrofluoric acid (if U134 assigned to stream)	N
Residual PCB liquids[j]	N
High plutonium content material/waste	N
Ignitables (EPA Hazardous Waste Number D001)	N
Corrosives (EPA Hazardous Waste Number D002)	N
Reactives (EPA Hazardous Waste Number D003)	N
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes [h]	N
Spent nuclear fuel or high-level waste[i]	N
Any un-vented plastic bags > 4 liters that have been heat-sealed	N
Additional Information (if available)	N
Packaging	
Waste container type?	DOT 7A, Type A 55-gallon drum
Liner type?	Some containers may have a 90-mil rigid polyethylene liner with or without lid or a fiberboard liner
Is liner punctured?	N (some liners may not be punctured)
Is filter vent installed?	N (some containers may not include filters)
Maximum number of confinement layers?	5

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) Table 1-2 or DOE Waste Treatability Group Guidance (DOE/LLW-217). Also see WIPP Hazardous Waste Permit Final Clarification Number CAO-00-061. Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 - Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.27).
d. Source: CCP-PO-001 - Section C-1c
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC) (DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*, Westinghouse TRU Solutions, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR Part 761)

Acceptable Knowledge Expert: James M. Schoen (Print) _____ (Sign) **Date:** 03/08/2013

To: CCP Records

Memorandum

From: Jim Schoen, CCP AKE

Date: August 28, 2012

RE: Waste Material Parameter Analysis for Waste Stream SR-SWMF-HET-B, Hazardous Debris from Pad in the Old Burial Ground (Building 643G) Rev. 1

In accordance to *CCP Acceptable Knowledge Documentation*, CCP-TP-005, Revision 24, Section 4.4.27, Waste Material Parameters (WMP) shall be estimated on a weight percent basis for the waste stream, documenting the assumptions and justification for deriving the estimated WMPs. Waste material parameter data was not available for waste stream SR-SWMF-HET-B. However, a brief description of the contents of each container was available in the source documents, and a description of observed waste types was recorded in RTR Quick Screen data sheets provided by SRS.

An evaluation was performed on each container in the current SR-SWMF-HET-B waste stream. The results from this evaluation are presented in the table below, Waste Stream SR-SWMF-HET-B Waste Material Parameters.

Attachment 1 provides the calculations used to arrive at the average, minimum and maximum WMP weight percentages.

Waste Stream SR-SWMF-HET-B Waste Material Parameters

Waste Material Parameter	Avg. Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	27.53%	0 – 84.20%
Other Inorganic Materials	42.96%	0 – 69.04%
Cellulosics	24.52%	0 – 32.63%
Plastic (waste materials)	4.99%	0 – 31.00%
Total Organic Waste Avg.	29.51%	
Total Inorganic Waste Avg.	70.49%	

Attachment 1
SR-SWMF-HET-B WMP Estimates 08-28-12.xlsx

Container ID Number	Contents From C063	Contents from Fast Scan	Additional Likely Contents (C063)
SR108180	Job Control Waste	Plastic Containers, Absorbents, Plastic	rags, wood
SR79179	WASTE FROM 100T LOW BOY	Metal Cans, Plastic	metal, wood
SR607474	Bag Filters		cellulosics, absorbent
SR607480	Bag Filters		cellulosics, absorbent
SR607482	Bag Filters		cellulosics, absorbent
SR607486	Bag Filters		cellulosics, absorbent

Attachment 1
SR-SWMF-HET-B WMP Estimates 08-28-12.xlsx

Container ID Number	Likely Waste Material Parameters	Cellulosics Volume	Plastic Volume	Iron-Based Metals Alloys Volume	Other Inorganic Materials Volume
SR108180	plastic (40), other inorganic (20), cellulosics (40)	40	40		20
SR79179	metal (40), cellulosics (40), plastic(20)	40	20	40	
SR607474	other inorganic (50), cellulosics (50)	50			50
SR607480	other inorganic (50), cellulosics (50)	50			50
SR607482	other inorganic (50), cellulosics (50)	50			50
SR607486	other inorganic (50), cellulosics (50)	50			50
		280	60	40	220
	Average Volume %	46.67%	10.00%	6.67%	36.67%
	MIN	40.00%	0.00%	0.00%	0.00%
	MAX	50.00%	40.00%	40.00%	50.00%

Attachment 1
SR-SWMF-HET-B WMP Estimates 08-28-12.xlsx

Container ID Number	Total Volume	Cellulosics Density Estimate	Plastic Density Estimate	IronDensity Estimate	Other Inorganics Density Estimate	Cellulosics Weight	Plastic Weight	Iron-Based Metals Alloys Weight
SR108180	100	1	0.95	7.86	2.23	40	38	0
SR79179	100	1	0.95	7.86	2.23	40	19	314.4
SR607474	100	1	0.95	7.86	2.23	50	0	0
SR607480	100	1	0.95	7.86	2.23	50	0	0
SR607482	100	1	0.95	7.86	2.23	50	0	0
SR607486	100	1	0.95	7.86	2.23	50	0	0
	600				SUM	280	57	314.4
					Weight %	24.52%	4.99%	27.53%

Attachment 1
SR-SWMF-HET-B WMP Estimates 08-28-12.xlsx

Container ID Number	Other Inorganic Materials Weight	Total Weight		Cellulosics Weight %	Plastic Weight %	Iron-Based Metals Alloys Weight %	Other Inorganic Materials Weight %
SR108180	44.6	122.6		32.63%	31.00%	0.00%	36.38%
SR79179	0	373.4		10.71%	5.09%	84.20%	0.00%
SR607474	111.5	161.5		30.96%	0.00%	0.00%	69.04%
SR607480	111.5	161.5		30.96%	0.00%	0.00%	69.04%
SR607482	111.5	161.5		30.96%	0.00%	0.00%	69.04%
SR607486	111.5	161.5		30.96%	0.00%	0.00%	69.04%
	490.6	1142					
			MIN	10.71%	0.00%	0.00%	0.00%
	42.96%		MAX	32.63%	31.00%	84.20%	69.04%

Attachment 1
SR-SWMF-HET-B WMP Estimates 08-28-12.xlsx

Element ID Number	Total Weight %
SR108180	100.00%
SR79179	100.00%
SR607474	100.00%
SR607480	100.00%
SR607482	100.00%
SR607486	100.00%

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Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging

Site(s): Savannah River Site (CCP-AK-SRS-8)

Waste Stream Description: Mixed TRU Soil Waste

Container ID Numbers: See CCP-TP-005, Attachment 8 for containers in this waste stream

Waste Stream Number: SR-MD-SOIL	
Physical Waste Form (e.g., debris, solidified waste)	Soil
Summary Category Group[a]	S4000
Waste Matrix Code Group[a]	Soils
Waste Matrix Code[b]	S4200
Waste Material Parameter Weights[c]	Estimated Waste Stream Weight Percent Average (attach evaluation justifying percentages)
Iron-based metals/alloys	3.3%
Aluminum-based metals/alloys	0.0%
Other metals	0.0%
Other inorganic materials	1.9%
Cellulosics	0.0%
Rubber	0.0%
Plastics (waste materials)	0.1%
Organic matrix	0.0%
Inorganic matrix	0.0%
Soils/Gravels	94.7%
Packaging Materials	Present (Y/N)?
Steel	Y
Plastics	Y
Prohibited Wastes[d,e,f,g]	Present (Y/N)?
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	Y
Non-radionuclide pyrophoric materials	N
Sealed containers > 4 liters	N
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	N
Explosives	N

CCP RECORDS ORIGINAL
DATE REC'D 10-10-2012

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging (continued)

Waste Stream Number: SR-MD-SOIL	
Compressed gases	N
Residual hydrofluoric acid (if U134 assigned to stream)	N
Residual PCB liquids[j]	N
High plutonium content material/waste	N
Ignitables (EPA Hazardous Waste Number D001)	N
Corrosives (EPA Hazardous Waste Number D002)	N
Reactives (EPA Hazardous Waste Number D003)	N
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes[h]	N
Spent nuclear fuel or high-level waste[i]	N
Any un-vented plastic bags > 4 liters that have been heat-sealed	N
Additional Information (if available)	Original containers lined with one plastic liner. Some waste also packaged into large steel boxes that could contain metal boxes, plywood boxes, or drums. Remediated/repackaged waste may be packaged into a 55-gallon drum with or without a single vented drum bag and it may include an inner drum (e.g., 30-gallon steel drum). The drum will have one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene rigid liner without lid.
Packaging	N/A SB 10/10/2012
Waste container type?	Final payload containers include DOT 7A, Type A 55-gallon drum, standard waste box, and standard large box 2
Liner type?	90-mil polyethylene rigid liner without lids in some drums
Is liner punctured?	N/A
Is filter vent installed?	N (some containers may not include filters)
Maximum number of confinement layers?	3

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) Table 1-2 or DOE Waste Treatability Group Guidance (DOE/LLW-217). Also see WIPP Hazardous Waste Permit Final Clarification Number CAO-00-061. Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 - Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.27).
d. Source: CCP-PO-001 - Section C-1c
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC) (DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*, Westinghouse TRU Solutions, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR Part 761)

Acceptable Knowledge Expert: Michael Papp (Print) _____ (Sign) MPP **Date:** 10/09/2012

To: CCP Records

Memorandum

From: Michael J. Papp, CCP AKE - SPapp

Date: October 4, 2010

RE: Waste Material Parameter Analysis for Mound Site Transuranic Waste Stored at Savannah River Site, Waste Streams SR-MD-SOIL - Revised

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In accordance to *CCP Acceptable Knowledge Documentation*, CCP-TP-005, Revision 19, Section 4.4.24, Waste Material Parameters (WMPs) shall be estimated on a weight percent basis for the waste stream, documenting the assumptions and justification for deriving the estimated WMPs.

The following waste material parameters are associated with waste stream SR-MD-SOIL. This information is based on specific waste items identified in packaging procedures, standard operating procedures, and waste disposal forms (References I092 and U001).

- Iron-based metals/alloys (piping, rebar)
- Other inorganic materials (absorbent, concrete)
- Soils/gravel
- Steel and plastic (packaging materials)

There is a discrepancy on the Transuranic Waste Container Characterization (TWCC) forms as to the categorization of the absorbent material added to the soil containers. On the TWCC forms, the absorbent is categorized as "organic matrix" but is described as clay absorbent (Reference U001). Florco and Petrosorb absorbents are Fuller's earth which is a natural clay mineral that is inorganic (Reference P095). Therefore, the absorbents should be categorized as "other inorganic materials" as described in Table B3-1 of the WIPP-WAP. To estimate the WMP weight percentages for waste stream SR-MD-SOIL, data were obtained from the 29-90 forms in the Go West Database as of March 27, 2007. SRS observed the packaging of the waste at Mound and estimated the material parameters at the time of generation then entered the information on the 29-90 forms. 29-90 data for 19 containers from waste stream SR-MD-SOIL were evaluated.

The WMP data for the waste stream is summarized in Table 1. The 29-90 raw data and calculations are provided as an attachment to this memo.

Table 1. Waste Stream SR-MD-SOIL Waste Material Parameters

Waste Material Parameter	Average Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	3.3%	0 – 21.3%
Aluminum-based Metals/Alloys	0.0%	0 – 0.0%
Other Metals	0.0%	0 – 0.0%
Other Inorganic Materials[1]	1.9%	0 – 9.5%
Cellulosics	0.0%	0 – 0.0%
Rubber	0.0%	0 – 0.0%
Plastics	0.1%	0 – 6.4%
Organic Matrix[1]	0.0%	0 – 0.0%
Inorganic Matrix	0.0%	0 – 0.0%
Soils/Gravel	94.7%	75.3 – 100.0%
Total Inorganic	**99.9%**	
Total Organic	**0.1%**	

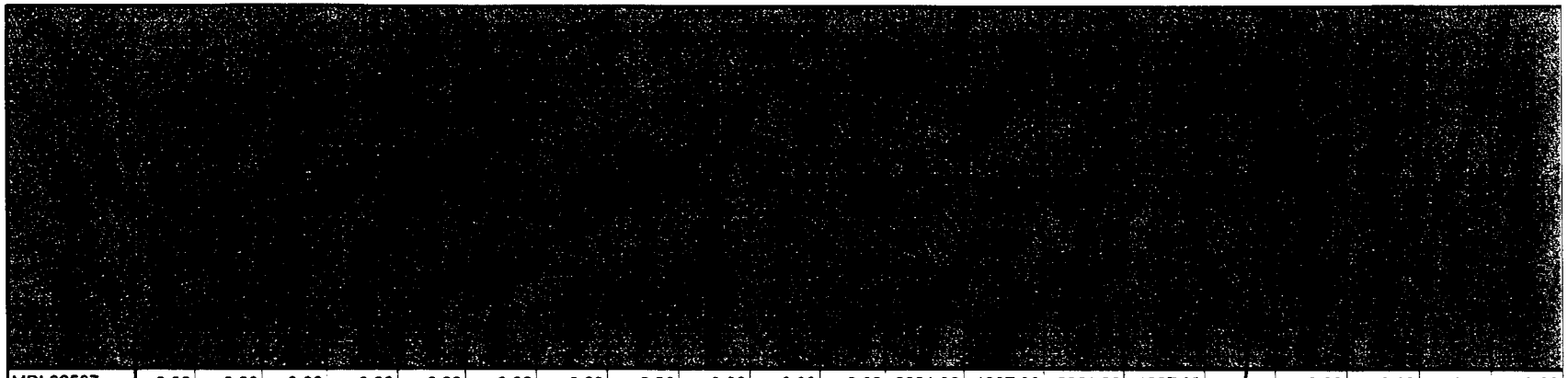
1. Review of the 29-90 forms has determined that inorganic absorbent has been listed incorrectly as organic. Therefore, the original waste material parameter evaluation dated 8/30/2007 has been updated.

MDL02507	2981.90	894.93					100.0					0.00	0.00	0.00	0.00	0.00
MDL02851	3178.31	725.29					100.0					0.00	0.00	0.00	0.00	0.00
MDL02859	3497.63	725.29					100.0					0.00	0.00	0.00	0.00	0.00
MDL02869	3377.89	725.29					100.0					0.00	0.00	0.00	0.00	0.00
MDL0504476	349.27	24.49			5.5		87.3			7.0	0.2	24.45	3.18	0.00	0.00	0.00
MDL0506004	363.24	26.80			5.0		88.3			6.5	0.2	23.61	3.07	0.00	0.00	0.00
MDL0506030	376.21	26.80			4.8		88.7			6.3	0.2	23.70	3.09	0.00	0.00	0.00
MDL0506073	282.13	26.80			6.3		84.8	6.4		8.6	0.2	24.26	3.16	0.00	0.00	0.00
MDL0506075	291.21	26.80			9.5		85.3			8.2	0.2	23.88	3.11	0.00	0.00	0.00
MDL0506095	287.40	26.80			7.3		82.0			8.3	0.2	23.85	3.11	0.00	0.00	0.00
MDL0506135	375.12	26.80			5.5		86.2			6.3	0.2	23.63	3.08	0.00	0.00	0.00
MDL0506146	329.31	26.80			7.4		87.1			7.2	0.2	23.71	3.09	0.00	0.00	0.00
MDL0506223	367.86	26.80			7.1		85.9			6.5	0.2	23.91	3.11	0.00	0.00	0.00
MDL0506233	381.20	26.80			7.3		86.4			6.3	0.2	24.02	3.13	0.00	0.00	0.00
MDL0506241	371.22	26.80			8.3		86.1			6.4	0.2	23.76	3.09	0.00	0.00	0.00
MDL0506246	327.31	26.80			9.5		84.2			7.3	0.2	23.89	3.11	0.00	0.00	0.00
MDL0506267	287.12	26.80			8.9		81.9			8.4	0.2	24.12	3.14	0.00	0.00	0.00
MDL0506281	306.17	26.80			3.3		83.1			7.8	0.2	23.88	3.11	0.00	0.00	0.00
MDL0518000	1366.22	290.30					74.7			21.1	0.9	288.96	37.62	0.00	0.00	0.00

TOTAL	**623.6**	**81.2**	**0.0**	**0.0**	**0.0**
Wt%	**3.27**		**0.00**		**0.00**
Vol%		**0.66**		**0.00**	

TOTAL VOL% ORGANIC = 0.16

TOTAL VOL% INORGANIC = 99.84



MDL02507	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2981.90	1987.93	2981.90	1987.93		0.00	0.00	0.00	0.00
MDL02851	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3178.31	2118.87	3178.31	2118.87		0.00	0.00	0.00	0.00
MDL02859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3497.63	2331.76	3497.63	2331.76		0.00	0.00	0.00	0.00
MDL02869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3377.89	2251.92	3377.89	2251.92		0.00	0.00	0.00	0.00
MDL0504476	0.00	19.21	8.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	304.91	203.27	348.57	215.07		1.48	0.00	0.00	4.01
MDL0506004	0.00	18.16	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320.74	213.83	362.51	225.04		1.37	0.00	0.00	3.62
MDL0506030	0.00	18.06	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	333.70	222.47	375.46	233.65		1.32	0.00	0.00	3.47
MDL0506073	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.06	19.63	0.00	0.00	239.25	159.50	281.57	182.29		1.73	0.00	0.00	0.00
MDL0506075	0.00	18.35	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	248.40	165.60	290.62	176.94		1.76	0.00	0.00	4.65
MDL0506095	0.00	27.30	12.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	235.66	157.11	286.82	172.46		1.80	0.00	0.00	7.10
MDL0506135	0.00	27.38	12.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	323.35	215.57	374.37	230.93		1.33	0.00	0.00	5.32
MDL0506146	0.00	18.11	8.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	286.83	191.22	328.65	202.43		1.53	0.00	0.00	4.01
MDL0506223	0.00	27.22	12.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	315.99	210.66	367.13	225.98		1.38	0.00	0.00	5.40
MDL0506233	0.00	27.07	12.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	329.36	219.57	380.44	234.83		1.33	0.00	0.00	5.17
MDL0506241	0.00	27.10	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	319.62	213.08	370.48	228.33		1.35	0.00	0.00	5.32
MDL0506246	0.00	27.17	12.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	275.60	183.73	326.66	199.02		1.56	0.00	0.00	6.12
MDL0506267	0.00	27.28	12.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	235.15	156.77	286.55	172.14		1.82	0.00	0.00	7.11
MDL0506281	0.00	27.25	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	254.43	169.62	305.56	184.95		1.68	0.00	0.00	6.61
MDL0518000	0.00	45.09	20.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1020.57	680.38	1354.61	738.22		5.10	0.00	0.00	2.74
	0.0	**354.7**	**159.1**	**0.0**	**0.0**	**0.0**	**0.0**	**18.1**	**19.6**	**0.0**	**0.0**	**18079.3**	**12052.9**	**19075.7**	**12312.8**	**MAX**	**5.10**	**0.00**	**0.00**	**7.11**
		1.86		**0.00**		**0.00**		**0.09**		**0.00**		**94.78**				**MIN**	**0.00**	**0.00**	**0.00**	**0.00**
	0.00		**1.29**		**0.00**		**0.00**		**0.16**		**0.00**		**97.89**							

TOTAL WGT% ORGANIC = 0.09

TOTAL WGT% INORGANIC = 99.91

Waste Materials Parameters

MDL02507	0.00	0.00	0.00	0.00	100.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
MDL02851	0.00	0.00	0.00	0.00	100.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
MDL02859	0.00	0.00	0.00	0.00	100.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
MDL02869	0.00	0.00	0.00	0.00	100.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
MDL0504476	0.00	0.00	0.00	0.00	94.51		7.01	0.00	0.00	5.51	0.00	0.00	0.00	0.00	87.47
MDL0506004	0.00	0.00	0.00	0.00	95.01		6.51	0.00	0.00	5.01	0.00	0.00	0.00	0.00	88.48
MDL0506030	0.00	0.00	0.00	0.00	95.21		6.31	0.00	0.00	4.81	0.00	0.00	0.00	0.00	88.88
MDL0506073	0.00	0.00	10.77	0.00	87.50		8.62	0.00	0.00	0.00	0.00	0.00	6.41	0.00	84.97
MDL0506075	0.00	0.00	0.00	0.00	93.59		8.22	0.00	0.00	6.31	0.00	0.00	0.00	0.00	85.47
MDL0506095	0.00	0.00	0.00	0.00	91.10		8.32	0.00	0.00	9.52	0.00	0.00	0.00	0.00	82.16
MDL0506135	0.00	0.00	0.00	0.00	93.35		6.31	0.00	0.00	7.31	0.00	0.00	0.00	0.00	86.37
MDL0506146	0.00	0.00	0.00	0.00	94.46		7.21	0.00	0.00	5.51	0.00	0.00	0.00	0.00	87.27
MDL0506223	0.00	0.00	0.00	0.00	93.22		6.51	0.00	0.00	7.41	0.00	0.00	0.00	0.00	86.07
MDL0506233	0.00	0.00	0.00	0.00	93.50		6.31	0.00	0.00	7.11	0.00	0.00	0.00	0.00	86.57
MDL0506241	0.00	0.00	0.00	0.00	93.32		6.41	0.00	0.00	7.31	0.00	0.00	0.00	0.00	86.27
MDL0506246	0.00	0.00	0.00	0.00	92.32		7.31	0.00	0.00	8.32	0.00	0.00	0.00	0.00	84.37
MDL0506267	0.00	0.00	0.00	0.00	91.07		8.42	0.00	0.00	9.52	0.00	0.00	0.00	0.00	82.06
MDL0506281	0.00	0.00	0.00	0.00	91.71		7.82	0.00	0.00	8.92	0.00	0.00	0.00	0.00	83.27
MDL0518000	0.00	0.00	0.00	0.00	92.16		21.33	0.00	0.00	3.33	0.00	0.00	0.00	0.00	75.34
	0.00	**0.00**	**10.77**	**0.00**	**100.00**		**21.33**	**0.00**	**0.00**	**9.52**	**0.00**	**0.00**	**6.41**	**0.00**	**100.00**
	0.00	**0.00**	**0.00**	**0.00**	**87.50**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**75.34**

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Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging

Site(s): Savannah River Site

Waste Stream Description: Savannah River Site Remote-Handled Transuranic Waste (CCP-AK-SRS-600)

Container ID Numbers: See CCP-TP-005, Attachment 8 for containers in this waste stream

Waste Stream Number: SR-RH-221H.01	
Physical Waste Form (e.g., debris, solidified waste)	Heterogeneous Debris Waste
Summary Category Group [a]	S5000
Waste Matrix Code Group [a]	Heterogeneous Debris
Waste Matrix Code [b]	S5400
Waste Material Parameter Weights [c]	Estimated Waste Stream Weight Percent Average (attach evaluation justifying the percentages)
Iron-based metals/alloys	25.80%
Aluminum-based metals/alloys	1.06%
Other metals	0.28%
Other inorganic materials	9.29%
Cellulosics	5.70%
Rubber	16.69%
Plastics (waste materials)	40.43%
Organic matrix	0.04%
Inorganic matrix	0.70%
Soils/Gravels	0.0%
Packaging Materials	Present (Y/N)?
Steel	Y
Plastics	Y
Prohibited Wastes [d,e,f,g]	---
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	Y
Non-radionuclide pyrophoric materials	N
Sealed containers > 4 liters	Y
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	N

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DATE REC'D 11-14-13

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging (continued)

Waste Stream Number: SR-RH-221H.01	
Explosives	N
Compressed gases	Y
Residual hydrofluoric acid (if U134 assigned to stream)	N/A
Residual PCB liquids [j]	N
Ignitables (EPA Hazardous Waste Number D001)	N
Corrosives (EPA Hazardous Waste Number D002)	N
Reactives (EPA Hazardous Waste Number D003)	N
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes [h]	N
Spent Nuclear fuel or high-level waste [i]	N
Any un-vented plastic bags > 4 liters that have been heat-sealed	N
Additional Information (if available)	N/A
Packaging	---
Waste container type?	DOT 17C 55-gallon drum
Liner type?	90-mil high density polyethylene
Is liner punctured?	Liners should be punctured
Is filter vent installed?	Yes
Maximum number of confinement layers	6

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) or DOE Waste Treatability Group Guidance (DOE/LLW-217). Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 – Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.26).
d. Source: CCP-PO-001 – Section C-1c
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC)(DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*, Nuclear Waste Partnership, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR Part 761)

Acceptable Knowledge Expert: Lisa Watson (Print) _____ (Sign) Date: 11/14/2013

MEMO

June 30, 2011

To: File
From: Jason Montoya, CCP AKE

Calculation of WMPs for SRS RH Waste Stream SR-RH-221H.01

This memo documents the calculation of the Waste Material Parameter (WMP) percentages for Waste Stream SR-RH-221H.01. To estimate the waste material parameter weight percentages for waste stream SR-RH-221H.01, data were obtained from 7014 drums previously characterized containers from the contact-handled (CH) portion of this waste stream, SR-W027-221H-HET. The data was extracted from the WIPP Waste Information System for radiography lots 1 through 143, which give data up through February 3, 2006. The remote-handled (RH) portion of this waste stream is identical in physical form with the CH portion (the only difference is that the RH drums surveyed at greater than 200 mrem per hour), and the CH portion was used to represent the parameters for this waste stream.

Waste Stream SR-RH-221H.01 consists of 16 55-gallon drums of RH waste originally generated by SRNL between approximately July 1977 and November 1990. SR-W027-221H-HET includes waste containers generated prior to 1990; therefore, the 7014 drums are representative of the RH waste stream.

A statistical analysis of the data from the 7014 drums was performed, and the results are presented in the table below, Waste Stream SR-RH-221H.01 Waste Material Parameters. This evaluation documents the WMP estimate as required by CCP-TP-005, *CCP Acceptable Knowledge Documentation.*

Waste Stream SR-RH-221H.01 Waste Material Parameters

Waste Material Parameter	Weight Percent	Weight Percent Range
Iron-based Metals/Alloys	25.80	0.0 –97.27%
Aluminum-based Metals/Alloys	1.06	0.0 – 64.63%
Other Metals	0.28	0.0 – 70.87%
Other Inorganic Materials	9.29	0.0 - 93.69%
Cellulosics	5.70	0.0 – 95.41%
Rubber	16.69	0.0 – 97.56%
Plastics (waste materials)	40.43	0.0 – 98.36%
Soils/Gravel	0.0	0.0 – 0.0%
Inorganic Matrix	0.70	0.0 – 92.50%
Organic Matrix	0.04	0.0 – 73.68%
Total Inorganic Waste Avg.	**37.13%**	
Total Organic Waste Avg.	**62.86%**	

Attachment 8 - Waste Containers

Site(s): Savannah River Site

Waste Stream Number(s): SR-SWMF-HET-A, and SR-SWMF-HET-B

Waste Stream Description: Heterogeneous debris waste from the SRS Solid Waste Management Facility, Heterogeneous debris waste from 643G

Number of Waste Containers in All Waste Streams:

	Container Type	Containers	Volume
SR-SWMF-HET-A	55-Gallon Drum	561	116.69
	SWB	146	274.48
	SLB2	2	14.78
SR-SWMF-HET-B	55-Gallon Drum	5	1.04
	Total	714	406.99

Is waste expected to be generated in the future? SR-SWMF-HET-A: Yes; SR-SWMF-HET-B: No

If yes, Estimated Future Volume (m^3): 10 cubic meters per year in 2013, and 5 cubic meters per year in 2014 through 2016.

Assumptions: It should be noted that during waste management and drum storage activities, following initial waste generation,55-gallon drums may be overpacked into 85-gallon drums to correct drum integrity problems (e.g., corrosion, dents) or external contamination. These containers will be repacked into 55-gallon drums or may be direct loaded into standard waste boxes (SWBs). In addition, 85-gallon drums may also be direct loaded into SWBs.

Waste Stream Container Evaluation Memo(s) for Added Containers: C052, C055, C061, C062, C071, C073, C074, C075, C076, C077, M013, M019, M015

Acceptable Knowledge Expert: Jason Montoya (Print) _____ (Sign) 11/13/13 (Date)

Container Identification Number	Generation Date	Generation Point
See Attached Waste Containers List		

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DATE REC'D 11/14/13

CONTAINERID	WASTESTREAM	CONTAINER_TYPE	Date Generated
SR163889	SR-SWMF-HET-A	55G	5/28/1985
SR171240A	SR-SWMF-HET-A	55G	4/26/2012
SR171240B	SR-SWMF-HET-A	55G	4/26/2012
SR171240C	SR-SWMF-HET-A	55G	4/26/2012
SR171240D	SR-SWMF-HET-A	55G	4/26/2012
SR171240E	SR-SWMF-HET-A	55G	4/26/2012
SR171240F	SR-SWMF-HET-A	55G	4/26/2012
SR171240G	SR-SWMF-HET-A	55G	5/7/2012
SR171240H	SR-SWMF-HET-A	55G	5/7/2012
SWD021001	SR-SWMF-HET-A	55G	11/18/2002
SWD021030	SR-SWMF-HET-A	55G	3/17/2004
SWD031000	SR-SWMF-HET-A	55G	4/2/2003
SWD031147	SR-SWMF-HET-A	55G	3/5/2003
SWD031148	SR-SWMF-HET-A	55G	8/7/2003
SWD031165	SR-SWMF-HET-A	55G	3/11/2003
SWD031170	SR-SWMF-HET-A	55G	3/14/2003
SWD031183	SR-SWMF-HET-A	55G	3/19/2003
SWD031185	SR-SWMF-HET-A	55G	3/21/2003
SWD031186	SR-SWMF-HET-A	55G	3/31/2003
SWD031187	SR-SWMF-HET-A	55G	4/7/2003
SWD031211	SR-SWMF-HET-A	55G	6/5/2003
SWD031215	SR-SWMF-HET-A	55G	6/10/2003
SWD031244	SR-SWMF-HET-A	55G	7/8/2003
SWD031246	SR-SWMF-HET-A	55G	4/8/2003
SWD031247	SR-SWMF-HET-A	55G	4/11/2003
SWD031261	SR-SWMF-HET-A	55G	6/9/2003
SWD031272	SR-SWMF-HET-A	55G	4/29/2003
SWD031273	SR-SWMF-HET-A	55G	5/5/2003
SWD031275	SR-SWMF-HET-A	55G	4/22/2003
SWD031284	SR-SWMF-HET-A	55G	7/15/2003
SWD031286	SR-SWMF-HET-A	55G	6/9/2003
SWD031295	SR-SWMF-HET-A	55G	5/15/2003
SWD031297	SR-SWMF-HET-A	55G	5/20/2003
SWD031301	SR-SWMF-HET-A	55G	5/30/2003
SWD031303	SR-SWMF-HET-A	55G	6/7/2003
SWD031305	SR-SWMF-HET-A	55G	6/20/2003
SWD031319	SR-SWMF-HET-A	55G	6/27/2003
SWD031320	SR-SWMF-HET-A	55G	6/23/2003
SWD031322	SR-SWMF-HET-A	55G	6/27/2003
SWD031325	SR-SWMF-HET-A	55G	7/1/2003
SWD031326	SR-SWMF-HET-A	55G	6/10/2003
SWD031327	SR-SWMF-HET-A	55G	6/10/2003
SWD031328	SR-SWMF-HET-A	55G	6/13/2003
SWD031329	SR-SWMF-HET-A	55G	6/17/2005
SWD031330	SR-SWMF-HET-A	55G	7/5/2005
SWD031331	SR-SWMF-HET-A	55G	6/24/2003
SWD031359	SR-SWMF-HET-A	55G	6/19/2003
SWD031360	SR-SWMF-HET-A	55G	6/19/2003
SWD031362	SR-SWMF-HET-A	55G	6/25/2003
SWD031363	SR-SWMF-HET-A	55G	6/25/2003
SWD031364	SR-SWMF-HET-A	55G	12/11/2005
SWD031365	SR-SWMF-HET-A	55G	7/3/2003
SWD031366	SR-SWMF-HET-A	55G	7/8/2003
SWD031368	SR-SWMF-HET-A	55G	7/10/2003
SWD031369	SR-SWMF-HET-A	55G	7/14/2003
SWD031372	SR-SWMF-HET-A	55G	7/30/2003
SWD031372A	SR-SWMF-HET-A	55G	5/14/2008
SWD031373	SR-SWMF-HET-A	55G	7/17/2003
SWD031375	SR-SWMF-HET-A	55G	7/17/2003
SWD031384	SR-SWMF-HET-A	55G	7/22/2003
SWD031385	SR-SWMF-HET-A	55G	3/17/2005
SWD031386	SR-SWMF-HET-A	55G	8/11/2003
SWD031390	SR-SWMF-HET-A	55G	7/25/2003

SWD031395	SR-SWMF-HET-A	55G	8/5/2003
SWD031398	SR-SWMF-HET-A	55G	7/31/2003
SWD031407	SR-SWMF-HET-A	55G	8/10/2003
SWD031409	SR-SWMF-HET-A	55G	8/6/2003
SWD031410	SR-SWMF-HET-A	55G	8/6/2003
SWD031411	SR-SWMF-HET-A	55G	8/11/2003
SWD031412	SR-SWMF-HET-A	55G	8/14/2003
SWD031423	SR-SWMF-HET-A	55G	7/23/2004
SWD031423A	SR-SWMF-HET-A	55G	5/4/2011
SWD031424	SR-SWMF-HET-A	55G	8/20/2005
SWD031427	SR-SWMF-HET-A	55G	8/25/2003
SWD031437	SR-SWMF-HET-A	55G	8/26/2003
SWD031438	SR-SWMF-HET-A	55G	8/31/2003
SWD031438A	SR-SWMF-HET-A	55G	4/14/2008
SWD031440	SR-SWMF-HET-A	55G	9/6/2003
SWD031441	SR-SWMF-HET-A	55G	7/24/2004
SWD031441A	SR-SWMF-HET-A	55G	4/27/2012
SWD031455	SR-SWMF-HET-A	55G	9/7/2003
SWD031456	SR-SWMF-HET-A	55G	9/7/2003
SWD031457	SR-SWMF-HET-A	55G	9/6/2003
SWD031458	SR-SWMF-HET-A	55G	9/14/2003
SWD031459	SR-SWMF-HET-A	55G	9/14/2003
SWD031461	SR-SWMF-HET-A	55G	9/8/2003
SWD031462	SR-SWMF-HET-A	55G	9/14/2003
SWD031473	SR-SWMF-HET-A	55G	9/29/2003
SWD031491	SR-SWMF-HET-A	55G	9/23/2003
SWD031492	SR-SWMF-HET-A	55G	9/23/2003
SWD031493	SR-SWMF-HET-A	55G	10/11/2003
SWD031494	SR-SWMF-HET-A	55G	7/23/2004
SWD031498	SR-SWMF-HET-A	55G	11/28/2001
SWD031499	SR-SWMF-HET-A	55G	10/11/2001
SWD031500	SR-SWMF-HET-A	55G	1/16/2002
SWD031501	SR-SWMF-HET-A	55G	1/31/2002
SWD031502	SR-SWMF-HET-A	55G	1/21/2002
SWD031503	SR-SWMF-HET-A	55G	6/18/2002
SWD031504	SR-SWMF-HET-A	55G	9/16/2002
SWD031505	SR-SWMF-HET-A	55G	10/23/2002
SWD031506	SR-SWMF-HET-A	55G	1/9/2001
SWD031507	SR-SWMF-HET-A	55G	4/25/2001
SWD031508	SR-SWMF-HET-A	55G	5/15/2001
SWD031509	SR-SWMF-HET-A	55G	8/23/2001
SWD031511	SR-SWMF-HET-A	55G	9/27/2001
SWD031518A	SR-SWMF-HET-A	55G	5/12/2011
SWD031533	SR-SWMF-HET-A	55G	12/21/2003
SWD031595	SR-SWMF-HET-A	55G	5/4/2004
SWD031609	SR-SWMF-HET-A	55G	10/19/2003
SWD031610	SR-SWMF-HET-A	55G	10/19/2003
SWD031764	SR-SWMF-HET-A	55G	10/31/2003
SWD031765	SR-SWMF-HET-A	55G	12/5/2003
SWD031766	SR-SWMF-HET-A	55G	11/4/2003
SWD031819	SR-SWMF-HET-A	55G	3/17/2005
SWD031819A	SR-SWMF-HET-A	55G	4/2/2008
SWD031908	SR-SWMF-HET-A	55G	7/25/2004
SWD031908A	SR-SWMF-HET-A	55G	4/2/2008
SWD031909	SR-SWMF-HET-A	55G	4/16/2004
SWD031909B	SR-SWMF-HET-A	55-gallon with liner	4/16/2004
SWD031910	SR-SWMF-HET-A	55G	12/12/2003
SWD031925	SR-SWMF-HET-A	55G	12/29/2003
SWD031926	SR-SWMF-HET-A	55G	1/18/2004
SWD031946	SR-SWMF-HET-A	55G	7/24/2004
SWD031947	SR-SWMF-HET-A	55G	7/23/2004
SWD031947A	SR-SWMF-HET-A	55G	1/20/2012
SWD031947B	SR-SWMF-HET-A	55G	1/20/2012
SWD031948	SR-SWMF-HET-A	55G	1/14/2004

SWD041029	SR-SWMF-HET-A	55G	2/1/2004
SWD041037	SR-SWMF-HET-A	55G	1/24/2004
SWD041038	SR-SWMF-HET-A	55G	1/30/2004
SWD041039	SR-SWMF-HET-A	55G	2/8/2004
SWD041040	SR-SWMF-HET-A	55G	4/15/2004
SWD041040A	SR-SWMF-HET-A	55G	4/3/2008
SWD041048	SR-SWMF-HET-A	55G	9/12/2004
SWD041058	SR-SWMF-HET-A	55G	2/17/2004
SWD041059	SR-SWMF-HET-A	55G	2/16/2004
SWD041060	SR-SWMF-HET-A	55G	4/11/2004
SWD041062	SR-SWMF-HET-A	55G	4/4/2004
SWD041062A	SR-SWMF-HET-A	55G	1/23/2012
SWD041062B	SR-SWMF-HET-A	55G	1/23/2012
SWD041062D	SR-SWMF-HET-A	55G	4/12/2012
SWD041063	SR-SWMF-HET-A	55G	3/2/2004
SWD041064	SR-SWMF-HET-A	55G	2/25/2004
SWD041065	SR-SWMF-HET-A	55G	7/24/2004
SWD041065A	SR-SWMF-HET-A	55G	1/24/2012
SWD041065B	SR-SWMF-HET-A	55G	1/24/2012
SWD041066	SR-SWMF-HET-A	55G	8/5/2004
SWD041069	SR-SWMF-HET-A	55G	2/18/2004
SWD041070	SR-SWMF-HET-A	55G	5/27/2004
SWD041070A	SR-SWMF-HET-A	55G	1/20/2012
SWD041070B	SR-SWMF-HET-A	55-gallon without liner	1/20/2012
SWD041071	SR-SWMF-HET-A	55G	7/2/2005
SWD041072	SR-SWMF-HET-A	55G	7/24/2004
SWD041075	SR-SWMF-HET-A	55G	3/17/2004
SWD041076	SR-SWMF-HET-A	55G	12/5/2004
SWD041076A	SR-SWMF-HET-A	55G	5/14/2008
SWD041077	SR-SWMF-HET-A	55G	3/17/2004
SWD041078	SR-SWMF-HET-A	55G	7/24/2004
SWD041079	SR-SWMF-HET-A	55G	7/24/2004
SWD041079A	SR-SWMF-HET-A	55G	8/13/2008
SWD041081	SR-SWMF-HET-A	55G	5/25/2004
SWD041082	SR-SWMF-HET-A	55G	4/7/2004
SWD041092	SR-SWMF-HET-A	55G	3/31/2004
SWD041092A	SR-SWMF-HET-A	55G	5/15/2008
SWD041095	SR-SWMF-HET-A	55G	4/11/2004
SWD041106	SR-SWMF-HET-A	55G	3/29/2004
SWD041107	SR-SWMF-HET-A	55G	6/13/2004
SWD041107A	SR-SWMF-HET-A	55G	5/21/2008
SWD041108A	SR-SWMF-HET-A	55G	5/13/2011
SWD041108B	SR-SWMF-HET-A	55G	5/13/2011
SWD041111	SR-SWMF-HET-A	55G	4/28/2004
SWD041112	SR-SWMF-HET-A	55G	4/7/2004
SWD041118	SR-SWMF-HET-A	55G	7/2/2005
SWD041123	SR-SWMF-HET-A	55G	5/27/2004
SWD041128	SR-SWMF-HET-A	55G	4/20/2004
SWD041130	SR-SWMF-HET-A	55G	4/25/2004
SWD041131	SR-SWMF-HET-A	55G	6/23/2004
SWD041139	SR-SWMF-HET-A	55G	5/2/2004
SWD041140	SR-SWMF-HET-A	55G	4/30/2004
SWD041146	SR-SWMF-HET-A	55G	5/5/2004
SWD041147	SR-SWMF-HET-A	55G	5/10/2004
SWD041148	SR-SWMF-HET-A	55G	9/21/2004
SWD041149	SR-SWMF-HET-A	55G	5/9/2004
SWD041152	SR-SWMF-HET-A	55G	5/11/2004
SWD041153	SR-SWMF-HET-A	55G	5/22/2004
SWD041155	SR-SWMF-HET-A	55G	6/9/2005
SWD041156	SR-SWMF-HET-A	55G	5/11/2004
SWD041157	SR-SWMF-HET-A	55G	7/8/2004
SWD041157A	SR-SWMF-HET-A	55G	4/7/2008
SWD041167	SR-SWMF-HET-A	55G	6/19/2004
SWD041246	SR-SWMF-HET-A	55G	5/26/2004

SWD041249	SR-SWMF-HET-A	55G	6/20/2005
SWD041253	SR-SWMF-HET-A	55G	7/25/2004
SWD041253B	SR-SWMF-HET-A	55G	1/19/2012
SWD041265	SR-SWMF-HET-A	55G	9/25/2004
SWD041265A	SR-SWMF-HET-A	55G	3/28/2008
SWD041266	SR-SWMF-HET-A	55G	6/29/2003
SWD041278	SR-SWMF-HET-A	55G	7/20/2004
SWD041279	SR-SWMF-HET-A	55G	7/15/2004
SWD041284	SR-SWMF-HET-A	55G	7/25/2004
SWD041287	SR-SWMF-HET-A	55G	7/20/2004
SWD041288	SR-SWMF-HET-A	55G	6/29/2005
SWD041289	SR-SWMF-HET-A	55G	8/1/2004
SWD041290	SR-SWMF-HET-A	55G	6/24/2005
SWD041290A	SR-SWMF-HET-A	55G	5/11/2011
SWD041333	SR-SWMF-HET-A	55G	11/23/2004
SWD041333A	SR-SWMF-HET-A	55G	5/10/2011
SWD041340	SR-SWMF-HET-A	55G	9/14/2004
SWD041342	SR-SWMF-HET-A	55G	10/2/2004
SWD041344	SR-SWMF-HET-A	55G	9/21/2004
SWD041345	SR-SWMF-HET-A	55G	10/22/2004
SWD041357	SR-SWMF-HET-A	55G	11/12/2006
SWD041360	SR-SWMF-HET-A	55G	10/6/2004
SWD041361	SR-SWMF-HET-A	55G	10/3/2004
SWD041363	SR-SWMF-HET-A	55G	10/12/2004
SWD041364	SR-SWMF-HET-A	55G	10/12/2004
SWD041370	SR-SWMF-HET-A	55G	10/17/2004
SWD041376	SR-SWMF-HET-A	55G	11/22/2004
SWD041378	SR-SWMF-HET-A	SWB	10/21/2004
SWD041380	SR-SWMF-HET-A	55G	11/14/2004
SWD041380A	SR-SWMF-HET-A	55G	4/8/2008
SWD041386	SR-SWMF-HET-A	55G	8/24/2006
SWD041390	SR-SWMF-HET-A	55G	11/17/2004
SWD041391	SR-SWMF-HET-A	55G	6/9/2005
SWD041397	SR-SWMF-HET-A	55G	7/5/2006
SWD051032	SR-SWMF-HET-A	SWB	4/6/2005
SWD051046	SR-SWMF-HET-A	55G	11/12/2006
SWD051047	SR-SWMF-HET-A	55G	11/12/2006
SWD051049	SR-SWMF-HET-A	55G	4/1/2004
SWD051050	SR-SWMF-HET-A	55G	8/8/2005
SWD051051	SR-SWMF-HET-A	55G	1/30/2006
SWD051051A	SR-SWMF-HET-A	55G	5/14/2012
SWD051052	SR-SWMF-HET-A	55G	8/16/2005
SWD051058	SR-SWMF-HET-A	55G	8/29/2005
SWD051061	SR-SWMF-HET-A	55G	10/9/2005
SWD051071	SR-SWMF-HET-A	55G	1/30/2006
SWD051072	SR-SWMF-HET-A	55G	6/23/2005
SWD051072A	SR-SWMF-HET-A	55G	5/6/2011
SWD051073	SR-SWMF-HET-A	55G	8/23/2005
SWD051076	SR-SWMF-HET-A	55G	3/19/2006
SWD051076A	SR-SWMF-HET-A	55G	5/4/2011
SWD051077	SR-SWMF-HET-A	55G	6/19/2005
SWD051077A	SR-SWMF-HET-A	55G	5/6/2011
SWD051078	SR-SWMF-HET-A	55G	11/12/2006
SWD051079	SR-SWMF-HET-A	55G	1/30/2006
SWD051079A	SR-SWMF-HET-A	55G	1/19/2012
SWD051082	SR-SWMF-HET-A	55G	3/27/2006
SWD051127	SR-SWMF-HET-A	55G	8/16/2005
SWD051168	SR-SWMF-HET-A	55G	9/29/2005
SWD051169	SR-SWMF-HET-A	55G	10/6/2005
SWD051171	SR-SWMF-HET-A	55G	10/9/2005
SWD051284	SR-SWMF-HET-A	55G	11/13/2005
SWD051298	SR-SWMF-HET-A	55G	11/3/2005
SWD051300	SR-SWMF-HET-A	55G	5/22/2006
SWD051301	SR-SWMF-HET-A	55G	7/4/2005

SWD051301A	SR-SWMF-HET-A	55G	5/11/2011
SWD051334	SR-SWMF-HET-A	55G	11/5/2005
SWD051360	SR-SWMF-HET-A	55G	11/4/2005
SWD051361	SR-SWMF-HET-A	55G	1/5/2006
SWD051371	SR-SWMF-HET-A	55G	11/13/2005
SWD061018	SR-SWMF-HET-A	55G	2/28/2006
SWD061021	SR-SWMF-HET-A	55G	9/11/2000
SWD061028	SR-SWMF-HET-A	55G	7/6/2006
SWD061029	SR-SWMF-HET-A	55G	2/21/2007
SWD061030	SR-SWMF-HET-A	55G	9/19/2007
SWD061030A	SR-SWMF-HET-A	55-gallon without liner	4/12/2012
SWD061030C	SR-SWMF-HET-A	55-gallon without liner	4/12/2012
SWD061030D	SR-SWMF-HET-A	55-gallon without liner	4/12/2012
SWD061031	SR-SWMF-HET-A	55G	4/8/2006
SWD061032	SR-SWMF-HET-A	55G	1/7/2008
SWD061032A	SR-SWMF-HET-A	55-gallon without liner	1/7/2008
SWD061035	SR-SWMF-HET-A	55G	10/3/2006
SWD061035A	SR-SWMF-HET-A	55G	5/12/2011
SWD061036	SR-SWMF-HET-A	55G	11/12/2006
SWD061036A	SR-SWMF-HET-A	55G	5/11/2011
SWD061053	SR-SWMF-HET-A	55G	6/14/2004
SWD061054	SR-SWMF-HET-A	55G	4/21/2008
SWD061055	SR-SWMF-HET-A	55G	9/17/2006
SWD061056	SR-SWMF-HET-A	55G	7/5/2006
SWD061061	SR-SWMF-HET-A	55G	8/27/2006
SWD061079	SR-SWMF-HET-A	55G	1/23/2007
SWD061079A	SR-SWMF-HET-A	55G	5/12/2011
SWD061128	SR-SWMF-HET-A	55G	3/27/2006
SWD061184	SR-SWMF-HET-A	55G	10/3/2006
SWD061189	SR-SWMF-HET-A	55G	6/1/2006
SWD061291	SR-SWMF-HET-A	SWB	5/10/2006
SWD061292	SR-SWMF-HET-A	55G	5/30/2006
SWD061292A	SR-SWMF-HET-A	55G	4/8/2008
SWD061331	SR-SWMF-HET-A	55G	4/9/2007
SWD061337	SR-SWMF-HET-A	55G	4/9/2007
SWD061368	SR-SWMF-HET-A	55G	5/23/2006
SWD061372	SR-SWMF-HET-A	55G	5/24/2006
SWD061383	SR-SWMF-HET-A	55G	6/22/2006
SWD061395	SR-SWMF-HET-A	55G	6/11/2006
SWD061420	SR-SWMF-HET-A	55G	1/17/2007
SWD061442	SR-SWMF-HET-A	SWB	9/12/2006
SWD061457	SR-SWMF-HET-A	55G	7/25/2006
SWD061469	SR-SWMF-HET-A	55G	7/18/2006
SWD061495	SR-SWMF-HET-A	55G	10/30/2006
SWD061556	SR-SWMF-HET-A	55G	9/5/2006
SWD061583	SR-SWMF-HET-A	55G	8/22/2006
SWD061629	SR-SWMF-HET-A	SWB	9/6/2006
SWD061630	SR-SWMF-HET-A	55G	9/1/2006
SWD061653	SR-SWMF-HET-A	55G	9/7/2006
SWD061655	SR-SWMF-HET-A	55G	9/28/2006
SWD061660	SR-SWMF-HET-A	55G	10/30/2006
SWD061696	SR-SWMF-HET-A	55G	12/12/2006
SWD061697	SR-SWMF-HET-A	55G	9/30/2008
SWD061697A	SR-SWMF-HET-A	55G	5/5/2011
SWD061716	SR-SWMF-HET-A	55G	12/7/2006
SWD061728	SR-SWMF-HET-A	55G	12/12/2006
SWD061729	SR-SWMF-HET-A	55G	12/12/2006
SWD061768	SR-SWMF-HET-A	55G	12/12/2006
SWD061785	SR-SWMF-HET-A	55G	11/9/2006
SWD061788	SR-SWMF-HET-A	55G	12/12/2006
SWD061791	SR-SWMF-HET-A	55G	2/9/2007
SWD061807	SR-SWMF-HET-A	55G	11/17/2006
SWD061809	SR-SWMF-HET-A	55G	1/9/2007
SWD061810	SR-SWMF-HET-A	55G	12/12/2006

SWD061814	SR-SWMF-HET-A	55G	12/12/2006
SWD061837	SR-SWMF-HET-A	55G	11/29/2006
SWD061838	SR-SWMF-HET-A	55G	12/5/2006
SWD061855	SR-SWMF-HET-A	55G	10/15/2007
SWD061856	SR-SWMF-HET-A	55G	12/12/2006
SWD061857	SR-SWMF-HET-A	55G	11/9/2006
SWD061858	SR-SWMF-HET-A	55G	12/1/2006
SWD061860	SR-SWMF-HET-A	55G	12/21/2006
SWD061873	SR-SWMF-HET-A	55G	12/6/2006
SWD061889	SR-SWMF-HET-A	55-gallon without liner	9/30/2008
SWD061910	SR-SWMF-HET-A	55G	12/19/2006
SWD061917	SR-SWMF-HET-A	55G	12/21/2006
SWD061928	SR-SWMF-HET-A	55G	12/21/2006
SWD061929	SR-SWMF-HET-A	55G	12/21/2006
SWD061957	SR-SWMF-HET-A	55G	1/19/2007
SWD061964	SR-SWMF-HET-A	55G	12/18/2007
SWD061971	SR-SWMF-HET-A	55G	1/3/2007
SWD071015	SR-SWMF-HET-A	55G	9/30/2008
SWD071043	SR-SWMF-HET-A	55G	5/30/2007
SWD071060	SR-SWMF-HET-A	55G	5/30/2007
SWD071065	SR-SWMF-HET-A	55G	2/1/2007
SWD071087	SR-SWMF-HET-A	55G	2/22/2007
SWD071088	SR-SWMF-HET-A	55G	2/23/2007
SWD071131	SR-SWMF-HET-A	55G	5/30/2007
SWD071132	SR-SWMF-HET-A	55G	5/30/2007
SWD071145	SR-SWMF-HET-A	55G	3/6/2007
SWD071155	SR-SWMF-HET-A	55G	9/30/2008
SWD071222	SR-SWMF-HET-A	55G	5/30/2007
SWD071303	SR-SWMF-HET-A	55G	10/15/2007
SWD071304	SR-SWMF-HET-A	55G	9/30/2008
SWD071304A	SR-SWMF-HET-A	55G	5/6/2011
SWD071305	SR-SWMF-HET-A	55G	5/30/2007
SWD071310	SR-SWMF-HET-A	55G	5/1/2007
SWD071322	SR-SWMF-HET-A	55G	7/18/2007
SWD071323	SR-SWMF-HET-A	55G	9/18/2007
SWD071329	SR-SWMF-HET-A	55G	5/30/2007
SWD071364	SR-SWMF-HET-A	55G	6/7/2007
SWD071370	SR-SWMF-HET-A	55G	9/18/2007
SWD071378	SR-SWMF-HET-A	55G	7/18/2007
SWD071382	SR-SWMF-HET-A	55G	8/28/2007
SWD071383	SR-SWMF-HET-A	55G	6/18/2007
SWD071383A	SR-SWMF-HET-A	55-gallon with liner	6/18/2007
SWD071388	SR-SWMF-HET-A	55G	6/20/2007
SWD071390	SR-SWMF-HET-A	55G	9/18/2007
SWD071397	SR-SWMF-HET-A	55G	10/15/2007
SWD071475	SR-SWMF-HET-A	55G	9/18/2007
SWD071486	SR-SWMF-HET-A	55G	12/18/2007
SWD071486A	SR-SWMF-HET-A	55G	5/9/2011
SWD071532	SR-SWMF-HET-A	55G	10/18/2007
SWD071553	SR-SWMF-HET-A	55G	8/8/2007
SWD071568	SR-SWMF-HET-A	55G	9/13/2007
SWD071569	SR-SWMF-HET-A	55G	8/20/2007
SWD071579	SR-SWMF-HET-A	55G	8/27/2007
SWD071581	SR-SWMF-HET-A	55G	8/27/2007
SWD071605	SR-SWMF-HET-A	55G	9/17/2007
SWD071606	SR-SWMF-HET-A	55G	9/8/2007
SWD071611	SR-SWMF-HET-A	55G	9/30/2008
SWD071647	SR-SWMF-HET-A	55G	10/11/2007
SWD071654	SR-SWMF-HET-A	55G	9/25/2007
SWD071660	SR-SWMF-HET-A	55G	10/25/2007
SWD071661	SR-SWMF-HET-A	55G	10/30/2007
SWD071662	SR-SWMF-HET-A	55G	11/10/2007
SWD071691	SR-SWMF-HET-A	55G	2/21/2008
SWD071714	SR-SWMF-HET-A	55G	1/28/2008

SWD071727	SR-SWMF-HET-A	55G	11/17/2007
SWD071750	SR-SWMF-HET-A	55G	9/30/2008
SWD071750A	SR-SWMF-HET-A	55G	7/9/2012
SWD071751	SR-SWMF-HET-A	55G	11/17/2007
SWD071778	SR-SWMF-HET-A	55G	12/1/2007
SWD071785	SR-SWMF-HET-A	55G	12/3/2007
SWD071792	SR-SWMF-HET-A	55G	12/1/2007
SWD071793	SR-SWMF-HET-A	55G	12/3/2007
SWD071795	SR-SWMF-HET-A	SWB	12/5/2007
SWD071799	SR-SWMF-HET-A	55G	12/6/2007
SWD071803	SR-SWMF-HET-A	55G	1/3/2008
SWD071804	SR-SWMF-HET-A	55G	1/9/2008
SWD071805	SR-SWMF-HET-A	55G	1/12/2008
SWD071806	SR-SWMF-HET-A	55G	2/9/2008
SWD071807	SR-SWMF-HET-A	55G	12/18/2007
SWD071808	SR-SWMF-HET-A	55G	2/14/2008
SWD071810	SR-SWMF-HET-A	55G	2/7/2008
SWD071811	SR-SWMF-HET-A	55G	1/17/2008
SWD071812	SR-SWMF-HET-A	55G	2/11/2008
SWD071813	SR-SWMF-HET-A	55G	2/12/2008
SWD071815	SR-SWMF-HET-A	55G	12/15/2007
SWD071817	SR-SWMF-HET-A	55G	12/19/2007
SWD071821	SR-SWMF-HET-A	55G	2/21/2008
SWD071834	SR-SWMF-HET-A	55G	1/4/2008
SWD071835	SR-SWMF-HET-A	55G	1/5/2008
SWD071860	SR-SWMF-HET-A	55G	1/22/2008
SWD081031	SR-SWMF-HET-A	55G	4/26/2008
SWD081031A	SR-SWMF-HET-A	55G	5/10/2011
SWD081036	SR-SWMF-HET-A	55G	3/18/2008
SWD081115	SR-SWMF-HET-A	55G	2/21/2008
SWD081122	SR-SWMF-HET-A	55G	2/19/2008
SWD081133	SR-SWMF-HET-A	55G	2/28/2008
SWD081149	SR-SWMF-HET-A	55G	3/6/2008
SWD081150	SR-SWMF-HET-A	55G	4/10/2008
SWD081173	SR-SWMF-HET-A	55G	3/7/2008
SWD081174	SR-SWMF-HET-A	55G	3/7/2008
SWD081193	SR-SWMF-HET-A	55G	3/13/2008
SWD081203	SR-SWMF-HET-A	55G	3/28/2008
SWD081204	SR-SWMF-HET-A	55G	4/9/2008
SWD081205	SR-SWMF-HET-A	55G	4/17/2008
SWD081241	SR-SWMF-HET-A	SWB	8/7/2008
SWD081242	SR-SWMF-HET-A	SWB	8/7/2008
SWD081261	SR-SWMF-HET-A	55G	4/3/2008
SWD081262	SR-SWMF-HET-A	SWB	10/2/2008
SWD081263	SR-SWMF-HET-A	55G	4/14/2008
SWD081263A	SR-SWMF-HET-A	55G	5/5/2011
SWD081280	SR-SWMF-HET-A	55G	4/18/2008
SWD081292	SR-SWMF-HET-A	55G	4/15/2008
SWD081292A	SR-SWMF-HET-A	55G	5/10/2011
SWD081305	SR-SWMF-HET-A	55G	4/17/2008
SWD081314	SR-SWMF-HET-A	55G	4/21/2008
SWD081320	SR-SWMF-HET-A	55G	4/23/2008
SWD081322	SR-SWMF-HET-A	55G	5/6/2008
SWD081333	SR-SWMF-HET-A	55G	4/29/2008
SWD081334	SR-SWMF-HET-A	55G	4/28/2008
SWD081335	SR-SWMF-HET-A	55G	4/28/2008
SWD081336	SR-SWMF-HET-A	SWB	5/1/2008
SWD081339	SR-SWMF-HET-A	55G	4/29/2008
SWD081340	SR-SWMF-HET-A	55G	4/29/2008
SWD081342	SR-SWMF-HET-A	55G	5/6/2008
SWD081344	SR-SWMF-HET-A	55G	5/13/2008
SWD081345	SR-SWMF-HET-A	55G	9/30/2008
SWD081349	SR-SWMF-HET-A	55G	6/2/2008
SWD081350	SR-SWMF-HET-A	55G	9/30/2009

SWD081350A	SR-SWMF-HET-A	55G	5/10/2011
SWD081363	SR-SWMF-HET-A	55G	6/10/2008
SWD081364	SR-SWMF-HET-A	55G	9/30/2008
SWD081369	SR-SWMF-HET-A	55G	6/19/2008
SWD081370	SR-SWMF-HET-A	55G	9/30/2008
SWD081371	SR-SWMF-HET-A	55G	9/30/2008
SWD081377	SR-SWMF-HET-A	55G	9/30/2008
SWD081378	SR-SWMF-HET-A	55G	9/30/2008
SWD081380	SR-SWMF-HET-A	55G	9/30/2008
SWD081381	SR-SWMF-HET-A	55G	9/30/2008
SWD081389	SR-SWMF-HET-A	55G	9/30/2008
SWD081394	SR-SWMF-HET-A	55G	9/30/2008
SWD081394A	SR-SWMF-HET-A	55G	3/31/2010
SWD081395	SR-SWMF-HET-A	55G	9/30/2008
SWD081396	SR-SWMF-HET-A	55G	10/20/2008
SWD081398	SR-SWMF-HET-A	55G	9/30/2008
SWD081399	SR-SWMF-HET-A	55G	9/30/2008
SWD081400	SR-SWMF-HET-A	55G	10/20/2008
SWD081405	SR-SWMF-HET-A	55G	10/27/2008
SWD081406	SR-SWMF-HET-A	55G	10/21/2008
SWD081407	SR-SWMF-HET-A	55G	10/29/2008
SWD081408	SR-SWMF-HET-A	55G	11/3/2008
SWD091016	SR-SWMF-HET-A	SWB	5/19/2009
SWD091017	SR-SWMF-HET-A	SWB	5/19/2009
SWD091021	SR-SWMF-HET-A	SWB	8/7/2009
SWD091022	SR-SWMF-HET-A	SWB	8/7/2009
SWD091023	SR-SWMF-HET-A	SWB	8/7/2009
SWD091024	SR-SWMF-HET-A	SWB	8/7/2009
SWD091025	SR-SWMF-HET-A	SWB	8/7/2009
SWD091026	SR-SWMF-HET-A	SWB	8/7/2009
SWD091027	SR-SWMF-HET-A	SWB	8/7/2009
SWD091028	SR-SWMF-HET-A	SWB	8/11/2009
SWD091028A	SR-SWMF-HET-A	55G	8/11/2009
SWD091028B	SR-SWMF-HET-A	55G	6/20/2012
SWD091043	SR-SWMF-HET-A	55G	7/22/2010
SWD091044	SR-SWMF-HET-A	55G	7/26/2010
SWD091045	SR-SWMF-HET-A	55G	7/26/2010
SWD091047	SR-SWMF-HET-A	55G	10/1/2009
SWD091053	SR-SWMF-HET-A	55G	1/18/2010
SWD091054	SR-SWMF-HET-A	55G	1/18/2010
SWD091056	SR-SWMF-HET-A	55G	1/18/2010
SWD091058	SR-SWMF-HET-A	55G	1/18/2010
SWD091059	SR-SWMF-HET-A	55G	1/15/2010
SWD091066	SR-SWMF-HET-A	55G	1/19/2010
SWD091070	SR-SWMF-HET-A	55G	1/19/2010
SWD091071	SR-SWMF-HET-A	55G	4/16/2010
SWD091087	SR-SWMF-HET-A	55G	4/16/2010
SWD091089	SR-SWMF-HET-A	55G	4/15/2010
SWD091095	SR-SWMF-HET-A	55G	4/16/2010
SWD101007	SR-SWMF-HET-A	55G	4/16/2010
SWD101010	SR-SWMF-HET-A	55G	4/15/2010
SWD101017	SR-SWMF-HET-A	SWB	1/28/2010
SWD101018	SR-SWMF-HET-A	SWB	1/28/2010
SWD101019	SR-SWMF-HET-A	SWB	1/28/2010
SWD101019A	SR-SWMF-HET-A	55G	5/12/2012
SWD101020	SR-SWMF-HET-A	SWB	1/28/2010
SWD101021	SR-SWMF-HET-A	SWB	1/28/2010
SWD101022	SR-SWMF-HET-A	SWB	1/28/2010

SWD101025	SR-SWMF-HET-A	55G	4/15/2010
SWD101028	SR-SWMF-HET-A	55G	4/15/2010
SWD101045	SR-SWMF-HET-A	55G	4/16/2010
SWD101071	SR-SWMF-HET-A	55G	3/2/2010
SWD101089	SR-SWMF-HET-A	55G	3/26/2010
SWD101090	SR-SWMF-HET-A	55G	6/17/2010
SWD101091	SR-SWMF-HET-A	55G	7/27/2010
SWD101155	SR-SWMF-HET-A	55G	6/18/2010
SWD101163	SR-SWMF-HET-A	55G	7/27/2010
SWD101231	SR-SWMF-HET-A	55G	7/27/2010
SWD101233	SR-SWMF-HET-A	55G	7/27/2010
SWD101239	SR-SWMF-HET-A	55G	11/29/2010
SWD101272	SR-SWMF-HET-A	55G	11/8/2010
SWD101274	SR-SWMF-HET-A	55G	11/8/2010
SWD101279	SR-SWMF-HET-A	55G	11/8/2010
SWD101288	SR-SWMF-HET-A	55G	11/8/2010
SWD10314	SR-SWMF-HET-A	55G	11/29/2010
SWD10315	SR-SWMF-HET-A	55G	11/8/2010
SWD10346	SR-SWMF-HET-A	SWB	3/31/2011
SWD10347	SR-SWMF-HET-A	55G	11/8/2010
SWD10371	SR-SWMF-HET-A	55G	11/8/2010
SWD10374	SR-SWMF-HET-A	55G	11/8/2010
SWD10375	SR-SWMF-HET-A	55G	2/1/2011
SWD10391	SR-SWMF-HET-A	55G	2/1/2011
SWD10398	SR-SWMF-HET-A	55G	2/1/2011
SWD10410	SR-SWMF-HET-A	55G	2/1/2011
SWD10413	SR-SWMF-HET-A	55G	2/1/2011
SWD11003	SR-SWMF-HET-A	55G	2/24/2011
SWD11004	SR-SWMF-HET-A	55G	2/24/2011
SWD11014	SR-SWMF-HET-A	55G	2/23/2011
SWD11016	SR-SWMF-HET-A	55G	2/23/2011
SWD11018	SR-SWMF-HET-A	55G	2/23/2011
SWD11024	SR-SWMF-HET-A	55G	1/28/2011
SWD11030	SR-SWMF-HET-A	55G	2/7/2011
SWD11039	SR-SWMF-HET-A	55G	1/28/2011
SWD11057	SR-SWMF-HET-A	55G	3/8/2011
SWD11093	SR-SWMF-HET-A	55G	3/15/2011
SWD11102	SR-SWMF-HET-A	55G w/o liner	11/29/2012
SWD11117	SR-SWMF-HET-A	55G	3/29/2011
SWD11129	SR-SWMF-HET-A	55G	4/14/2011
SWD11143	SR-SWMF-HET-A	55G w/o liner	11/29/2012
SWD11153	SR-SWMF-HET-A	55G	4/14/2011
SWD11167	SR-SWMF-HET-A	55G	5/2/2011
SWD11170	SR-SWMF-HET-A	55G	5/3/2011
SWD11173	SR-SWMF-HET-A	SWB	5/5/2011
SWD11174	SR-SWMF-HET-A	SWB	5/5/2011
SWD11177	SR-SWMF-HET-A	SWB	5/5/2011
SWD11178	SR-SWMF-HET-A	SWB	5/5/2011
SWD11179	SR-SWMF-HET-A	SWB	5/5/2011
SWD11191	SR-SWMF-HET-A	SWB	5/5/2011

SWD11192	SR-SWMF-HET-A	SWB	5/5/2011
SWD11193	SR-SWMF-HET-A	SWB	5/5/2011
SWD11194	SR-SWMF-HET-A	SWB	5/5/2011
SWD11195	SR-SWMF-HET-A	SWB	5/5/2011
SWD11196	SR-SWMF-HET-A	55G	5/3/2011
SWD11198	SR-SWMF-HET-A	SWB	7/8/2011
SWD11199	SR-SWMF-HET-A	55G	5/2/2011
SWD11208	SR-SWMF-HET-A	55G w/o liner	7/18/2011
SWD11222	SR-SWMF-HET-A	55-gallon without liner	7/11/2011
SWD11225	SR-SWMF-HET-A	SWB	7/11/2011
SWD11226	SR-SWMF-HET-A	SWB	7/11/2011
SWD11227	SR-SWMF-HET-A	SWB	7/11/2011
SWD11228	SR-SWMF-HET-A	SWB	7/14/2011
SWD11229	SR-SWMF-HET-A	SWB	7/14/2011
SWD11251	SR-SWMF-HET-A	55-gallon without liner	7/12/2011
SWD11263	SR-SWMF-HET-A	SWB	8/24/2011
SWD11266	SR-SWMF-HET-A	55-gallon without liner	8/1/2011
SWD11295	SR-SWMF-HET-A	55-gallon without liner	8/10/2011
SWD11310	SR-SWMF-HET-A	55-gallon without liner	12/5/2011
SWD11322	SR-SWMF-HET-A	SWB	4/24/2012
SWD11357	SR-SWMF-HET-A	55G w/o liner	9/13/2011
SWD11366	SR-SWMF-HET-A	SWB	9/29/2011
SWD11367	SR-SWMF-HET-A	SWB	9/29/2011
SWD11368	SR-SWMF-HET-A	SWB	9/29/2011
SWD11369	SR-SWMF-HET-A	SWB	9/29/2011
SWD11370	SR-SWMF-HET-A	SWB	9/29/2011
SWD11378	SR-SWMF-HET-A	SWB	4/24/2012
SWD11385	SR-SWMF-HET-A	55G w/o liner	9/27/2011
SWD11392	SR-SWMF-HET-A	55G w/o liner	10/10/2011
SWD11401	SR-SWMF-HET-A	55G w/o liner	11/30/2011
SWD11432	SR-SWMF-HET-A	55G w/o liner	10/25/2011
SWD11433	SR-SWMF-HET-A	55G w/o liner	11/10/2011
SWD11439	SR-SWMF-HET-A	55-gallon without liner	11/1/2011
SWD11440	SR-SWMF-HET-A	SWB	4/25/2012
SWD11456	SR-SWMF-HET-A	55G w/o liner	11/4/2011
SWD11458	SR-SWMF-HET-A	55G w/o liner	11/30/2011
SWD11459	SR-SWMF-HET-A	55G w/o liner	11/11/2011
SWD11468	SR-SWMF-HET-A	55G w/o liner	11/30/2011
SWD11469	SR-SWMF-HET-A	55G w/o liner	11/30/2011
SWD11471	SR-SWMF-HET-A	55G w/o liner	12/7/2011
SWD11520	SR-SWMF-HET-A	SWB	12/27/2011
SWD11521	SR-SWMF-HET-A	55G w/o liner	12/8/2011
SWD11523	SR-SWMF-HET-A	55G w/o liner	1/3/2012
SWD11535	SR-SWMF-HET-A	55G w/o liner	12/15/2011
SWD11544	SR-SWMF-HET-A	SWB	4/4/2012
SWD12008	SR-SWMF-HET-A	SWB	1/9/2012
SWD12009	SR-SWMF-HET-A	SWB	1/9/2012
SWD12010	SR-SWMF-HET-A	SWB	1/9/2012
SWD12013	SR-SWMF-HET-A	SWB	1/9/2012
SWD12018	SR-SWMF-HET-A	55G	1/12/2012
SWD12021	SR-SWMF-HET-A	55G	1/18/2012
SWD12024	SR-SWMF-HET-A	55G	2/2/2012
SWD12042	SR-SWMF-HET-A	55G	2/2/2012
SWD12043	SR-SWMF-HET-A	55G	2/2/2012
SWD12044	SR-SWMF-HET-A	55G	2/2/2012
SWD12046	SR-SWMF-HET-A	SWB	8/10/2012
SWD12060	SR-SWMF-HET-A	SWB	1/9/2012
SWD12061	SR-SWMF-HET-A	SWB	1/9/2012
SWD12062	SR-SWMF-HET-A	SWB	1/9/2012
SWD12063	SR-SWMF-HET-A	SWB	1/9/2012
SWD12064	SR-SWMF-HET-A	SWB	1/9/2012
SWD12081	SR-SWMF-HET-A	SWB	4/12/2012
SWD12082	SR-SWMF-HET-A	SWB	4/12/2012
SWD12083	SR-SWMF-HET-A	SWB	4/19/2012

SWD12084	SR-SWMF-HET-A	SWB	4/19/2012
SWD12085	SR-SWMF-HET-A	SWB	4/19/2012
SWD12091	SR-SWMF-HET-A	SWB	4/14/2012
SWD12098	SR-SWMF-HET-A	SWB	4/16/2012
SWD12104	SR-SWMF-HET-A	SWB	4/23/2012
SWD12114	SR-SWMF-HET-A	SWB	5/8/2012
SWD12115	SR-SWMF-HET-A	SWB	5/8/2012
SWD12116	SR-SWMF-HET-A	SWB	5/8/2012
SWD12117	SR-SWMF-HET-A	SWB	5/1/2012
SWD12120	SR-SWMF-HET-A	SWB	5/24/2012
SWD12142	SR-SWMF-HET-A	SWB	6/6/2012
SWD12163	SR-SWMF-HET-A	55G	6/27/2012
SWD12169	SR-SWMF-HET-A	55G	6/27/2012
SWD12180	SR-SWMF-HET-A	55G	8/1/2012
SWD12190	SR-SWMF-HET-A	SWB	7/26/2012
SWD12191	SR-SWMF-HET-A	SWB	7/26/2012
SWD12192	SR-SWMF-HET-A	SWB	7/26/2012
SWD12193	SR-SWMF-HET-A	SWB	7/26/2012
SWD12199	SR-SWMF-HET-A	SWB	8/2/2012
SWD12211	SR-SWMF-HET-A	SWB	7/26/2012
SWD12213	SR-SWMF-HET-A	SWB	7/26/2012
SWD12214	SR-SWMF-HET-A	SWB	7/26/2012
SWD12226	SR-SWMF-HET-A	SWB	8/28/2012
SWD12228	SR-SWMF-HET-A	SWB	8/2/2012
SWD12229	SR-SWMF-HET-A	SWB	8/2/2012
SWD12233	SR-SWMF-HET-A	SWB	9/5/2012
SWD12234	SR-SWMF-HET-A	SWB	9/5/2012
SWD12235	SR-SWMF-HET-A	SWB	9/5/2012
SWD12253	SR-SWMF-HET-A	SWB	10/1/2012
SWD12254	SR-SWMF-HET-A	SWB	10/1/2012
SWD12255	SR-SWMF-HET-A	SWB	10/1/2012
SWD12256	SR-SWMF-HET-A	SWB	10/1/2012
WMAPSLB049	SR-SWMF-HET-A	SLB2	7/31/2012
WMAPSWB290	SR-SWMF-HET-A	SWB	5/24/2010
WMAPSWB291	SR-SWMF-HET-A	SWB	5/24/2010
WMAPSWB292	SR-SWMF-HET-A	SWB	5/24/2010
WMAPSWB293	SR-SWMF-HET-A	SWB	5/24/2010
WMAPSWB294	SR-SWMF-HET-A	SWB	5/24/2010
WMAPSWB295	SR-SWMF-HET-A	SWB	5/25/2010
WMAPSWB296	SR-SWMF-HET-A	SWB	5/25/2010
WMAPSWB297	SR-SWMF-HET-A	SWB	5/25/2010
WMAPSWB298	SR-SWMF-HET-A	SWB	5/25/2010
WMAPSWB299	SR-SWMF-HET-A	SWB	5/25/2010
WMAPSWB300	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB301	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB302	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB303	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB304	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB305	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB306	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB307	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB308	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB309	SR-SWMF-HET-A	SWB	5/26/2010
WMAPSWB310	SR-SWMF-HET-A	SWB	5/27/2010
WMAPSWB311	SR-SWMF-HET-A	SWB	5/27/2010
WMAPSWB312	SR-SWMF-HET-A	SWB	5/27/2010
WMAPSWB313	SR-SWMF-HET-A	SWB	5/27/2010
WMAPSWB314	SR-SWMF-HET-A	SWB	5/27/2010
WMAPSWB315	SR-SWMF-HET-A	SWB	6/1/2010
WMAPSWB316	SR-SWMF-HET-A	SWB	6/1/2010
WMAPSWB317	SR-SWMF-HET-A	SWB	6/1/2010
WMAPSWB318	SR-SWMF-HET-A	SWB	6/1/2010
WMAPSWB319	SR-SWMF-HET-A	SWB	6/1/2010
WMAPSWB320	SR-SWMF-HET-A	SWB	6/1/2010

WMAPSWB321	SR-SWMF-HET-A	SWB	6/22/2010
WMAPSWB526	SR-SWMF-HET-A	SLB2	4/26/2012
WMAPSWB538	SR-SWMF-HET-A	SWB	9/10/2012
WMAPSWB539	SR-SWMF-HET-A	SWB	9/10/2012
SWD12196	SR-SWMF-HET-A	55-gallon drum	8/29/2012
SWD12227	SR-SWMF-HET-A	55-gallon drum	8/29/2012
SWD12230	SR-SWMF-HET-A	55-gallon drum	9/7/2012
SWD12241	SR-SWMF-HET-A	55-gallon drum	10/10/2012
SWD12263	SR-SWMF-HET-A	55-gallon drum	10/10/2012
SWD12278	SR-SWMF-HET-A	SWB	1/24/2013
SWD12279	SR-SWMF-HET-A	SWB	1/24/2013
SWD12280	SR-SWMF-HET-A	SWB	11/1/2012
SWD12291	SR-SWMF-HET-A	SWB	11/12/2012
SWD12292	SR-SWMF-HET-A	SWB	11/12/2012
SWD12293	SR-SWMF-HET-A	SWB	11/12/2012
SWD12299	SR-SWMF-HET-A	SWB	11/12/2012
SWD12300	SR-SWMF-HET-A	SWB	11/26/2012
SWD12312	SR-SWMF-HET-A	55-gallon drum	11/12/2012
SWD12320	SR-SWMF-HET-A	SWB	12/13/2012
SWD12272	SR-SWMF-HET-A	SWB	3/20/2013
SWD12273	SR-SWMF-HET-A	SWB	3/20/2013
SWD12274	SR-SWMF-HET-A	SWB	3/20/2013
SWD12275	SR-SWMF-HET-A	SWB	3/20/2013
SWD12281	SR-SWMF-HET-A	SWB	3/20/2013
SWD12301	SR-SWMF-HET-A	SWB	11/26/2012
SWD12080A	SR-SWMF-HET-A	SWB	9/13/2013
SR108180	SR-SWMF-HET-B	55G	8/27/1979
SR607474	SR-SWMF-HET-B	55G	9/7/1995
SR607480	SR-SWMF-HET-B	55G	12/15/1995
SR607482	SR-SWMF-HET-B	55G	12/15/1995
SR607486	SR-SWMF-HET-B	55G	12/15/1995

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C077
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ DR - Discrepancy Resolution ☐ M - Miscellaneous ☐ P - Procedures ☐ U - Unpublished Documents
Title or Description of Source Document [a] : Evaluation of Additional Containers for SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jim Schoen, Document Number NA, Revision NA, 10/23/2012	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR6 PR7 PR8 WS2 WS3 WS4 WS9 WS11 WS12 S16	Throughout	This memorandum presents the evaluation of five fifty-five gallon drums to be added to waste stream SR-SWMF-HET-B. The burial ground records and other documentation for the containers were used to evaluate the waste against the definition of the waste stream. The CCP-AK-SRS-12 AK report, Section 6.1 states that waste stream SR-SWMF-HET-B was generated as a result of operations such as the solvent tank closure and cleanup and remediation of spills and leaks in the E-Area of the SRS SWMF. These five containers are solvent filter bags generated from the closure of the solvent storage tanks. The CCP-AK-SRS-12 AK report, Section 6.2 states that waste stream SR-SWMF-HET-B was generated between August, 1976 and the December, 1995. The evaluation documents the new containers were generated between September and December, 1995. The CCP-AK-SRS-12 AK report states that waste from SR-SWMF-HET-B is mixed TRU debris waste and has been assigned Waste Matrix Code S5400 (Heterogeneous Debris). This waste stream is comprised of debris materials generated as a result of operations such as the solvent tank closure and cleanup and remediation of spills and leaks in the E-Area of the SRS SWMF. These containers are filter bags generated as a result of the solvent tank closure, have contents and packaging consistent with SR-SWMF-HET-B and therefore are bounded by this waste stream. Waste stream SR-SWMF-HET-B is a mixed waste stream. This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA) regulated constituents and is assigned the following EPA hazardous waste numbers (HWNs): D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, and F005. The evaluation documents that these containers were generated by closeout of the solvent storage tanks, the drums are identified to include lead and mercury, and will therefore be considered mixed waste and assigned the HWNs associated with this facility. No prohibited items were specifically identified for this waste stream. Drums containing solvent tank bag filters may have lead shielding; that shielding is ALARA shielding and

NTPC RECORDS ORIGINAL
DATE REC'D 10/22/13

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C077
AK # [b]	**Source Doc. Page # [c]**	**AK Information Summary**
		the drums would still be contact-handled waste if the lead were removed. Table 6-2 of CCP-AK-SRS-12, Waste Stream SR-SWMF-HET-B Radiological Characterization, identifies the relative radionuclide weight and activity percent of expected radionuclides over the entire waste stream based on the container data evaluated. All of the recharacterized containers are bounded by the Nuclide Wt% Range for Individual Containers and the Nuclide Ci% Range for Individual Containers listed in Table 6-2 (see attachment 1). The existing CCP-AK-SRS-12 AK Summary Report bounds these additional containers. These containers are eligible for inclusion into this waste stream. The inclusion of these containers will not alter the generation date range, waste matrix code, EPA hazardous waste codes, or the expected radionuclides (including the two most prevalent radionuclides), for the waste stream. The inclusion of these containers will not necessitate additional operator training.

Source Document Data Limitations (if any):
1. None

Acceptable Knowlege Expert:

Sherry Auckland, _____ Date: 10/21/2013
Print **/Sign**

[a] **Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)**
[b] **Obtain from Acceptable Knowledge Documentation Checklist**
[c] **For microfilm or microfiche, identify box, tape, reel number and location.**

Evaluation and Addition of 5 Containers to CCP-AK-SRS-12, Waste Stream SR-SWMF-HET-B

This memorandum presents the evaluation of five fifty-five gallon drums to be added to waste stream SR-SWMF-HET-B. The burial ground records and other documentation for the containers were used to evaluate the waste against the definition of the waste stream.

Waste Generation Location And Process

The CCP-AK-SRS-12 AK report, Section 6.1 states that waste stream SR-SWMF-HET-B was generated as a result of operations such as the solvent tank closure and cleanup and remediation of spills and leaks in the E-Area of the SRS SWMF. These five containers are solvent filter bags generated from the closure of the solvent storage tanks.

Time Period Of Generation

The CCP-AK-SRS-12 AK report, Section 6.2 states that waste stream SR-SWMF-HET-B was generated between August, 1976 and the December, 1995. The evaluation documents the new containers were generated between September and December, 1995.

Physical Form

The CCP-AK-SRS-12 AK report states that waste from SR-SWMF-HET-B is mixed TRU debris waste and has been assigned Waste Matrix Code S5400 (Heterogeneous Debris). This waste stream is comprised of debris materials generated as a result of operations such as the solvent tank closure and cleanup and remediation of spills and leaks in the E-Area of the SRS SWMF. These containers are filter bags generated as a result of the solvent tank closure, have contents and packaging consistent with SR-SWMF-HET-B and therefore are bounded by this waste stream.

Chemical Content

Waste stream SR-SWMF-HET-B is a mixed waste stream. This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA) regulated constituents and is assigned the following EPA hazardous waste numbers (HWNs): D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, and F005. The evaluation documents that these containers were generated by closeout of the solvent storage tanks, the drums are identified to include lead and mercury, and will therefore be considered mixed waste and assigned the HWNs associated with this facility.

Prohibited Items

No prohibited items were specifically identified for this waste stream. Drums containing solvent tank bag filters may have lead shielding; that shielding is ALARA shielding and the drums would still be contact-handled waste if the lead were removed.

Radionuclides

Table 6-2 of CCP-AK-SRS-12, Waste Stream SR-SWMF-HET-B Radiological Characterization, identifies the relative radionuclide weight and activity percent of expected radionuclides over the entire waste stream based on the container data evaluated. All of the recharacterized containers are bounded by the Nuclide Wt% Range for Individual Containers and the Nuclide Ci% Range for Individual Containers listed in Table 6-2 (see attachment 1).

Conclusion

The existing CCP-AK-SRS-12 AK Summary Report bounds these additional containers. These containers are eligible for inclusion into this waste stream. The inclusion of these containers will not alter the generation date range, waste matrix code, EPA hazardous waste codes, or the expected radionuclides (including the two most prevalent radionuclides), for the waste stream. The inclusion of these containers will not necessitate additional operator training.

James M. Schoen October 23, 2012

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID		Am-241 Ci	Am-242m Ci	Am-243 Ci	Ba-137m Ci	Ce-144 Ci	Cm-244 Ci	Cm-245 Ci
SR607484								
SR607474		0.006547141	0.000196039	0.008107491	0.005032	0.00001	0.8088	8.07801E-05
SR607480		0.01702257	0.000509701	0.02107948	0.005032	0.00001	2.10288	0.000210028
SR607482		0.01702257	0.000509701	0.02107948	0.005032	0.00001	2.10288	0.000210028
SR607486		0.01702257	0.000509701	0.02107948	0.005032	0.00001	2.10288	0.000210028
	SUM	0.057614851	0.001725143	0.071345931	0.020128	0.00004	7.11744	0.000710865
	Ci%	0.44%	0.01%	0.54%	0.15%	0.00%	54.33%	0.005%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Cm-246 Ci	Cm-247 Ci	Cm-248 Ci	Cs-134 Ci	Cs-137 Ci	Eu-154 Ci	Eu-155 Ci	H-3 Ci	Kr-85 Ci
SR607484									
SR607474	0.000123147	2.5275E-10	2.46469E-09	0.000528	0.005384	0.000284	0.00001	0.000026	0.000374
SR607480	0.000320183	6.5715E-10	6.4082E-09	0.000528	0.005384	0.000284	0.00001	0.000026	0.000374
SR607482	0.000320183	6.5715E-10	6.4082E-09	0.000528	0.005384	0.000284	0.00001	0.000026	0.000374
SR607486	0.000320183	6.5715E-10	6.4082E-09	0.000528	0.005384	0.000284	0.00001	0.000026	0.000374
	0.001083696	2.2242E-09	2.16893E-08	0.002112	0.021536	0.001136	0.00004	0.000104	0.001496
	0.008%	0.00%	0.00%	0.02%	0.16%	0.009%	0.00%	0.00%	0.011%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Np-237 Ci	Pm-147 Ci	Pr-144 Ci	Pu-238 Ci	Pu-239 Ci	Pu-240 Ci	Pu-241 Ci	Pu-242 Ci
SR607484	0.00098822			0.2291904	0.084597984	0.019872	0.89856	3.43E-06
SR607474	0.00013389	0.000488	0.00001	0.06324545	0.08770245	0.02349004	0.9545019	6.16598E-06
SR607480	0.00013389	0.000488	0.00001	0.07946139	0.0858866	0.02748049	0.9434859	1.01869E-05
SR607482	0.00013389	0.000488	0.00001	0.07946139	0.0858866	0.02748049	0.9434859	1.01869E-05
SR607486	0.00013389	0.000488	0.00001	0.07946139	0.0858866	0.02748049	0.9434859	1.01869E-05
	0.00152379	0.001952	0.00004	0.53082002	0.429960234	0.12580351	4.6835196	4.01568E-05
	0.012%	0.01%	0.00%	4.05%	3.28%	0.96%	35.75%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Rh-106 Ci	Ru-106 Ci	Sm-151 Ci	Sr-90 Ci	Te-125 Ci	Y-90 Ci	SUM	Am-241 Ci%	Am-242m Ci%
SR607484							1.233212032	0.00%	0.00%
SR607474	0.000034	0.000034	0.000072	0.003818	0.000016	0.003818	1.9728725	0.33%	0.01%
SR607480	0.000034	0.000034	0.000072	0.003818	0.000016	0.003818	3.29841843	0.52%	0.02%
SR607482	0.000034	0.000034	0.000072	0.003818	0.000016	0.003818	3.29841843	0.52%	0.02%
SR607486	0.000034	0.000034	0.000072	0.003818	0.000016	0.003818	3.29841843	0.52%	0.02%
	0.000136	0.000136	0.000288	0.015272	0.000064	0.015272	13.10133982		
	0.00%	0.00%	0.00%	0.12%	0.00%	0.12%	MIN	0.00%	0.00%
							MAX	0.52%	0.02%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Am-243 Ci%	Ba-137m Ci%	Ce-144 Ci%	Cm-244 Ci%	Cm-245 Ci%	Cm-246 Ci%	Cm-247 Ci%	Cm-248 Ci%
SR607484	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SR607474	0.41%	0.26%	0.00%	41.00%	0.00%	0.01%	0.00%	0.00%
SR607480	0.64%	0.15%	0.00%	63.75%	0.01%	0.01%	0.00%	0.00%
SR607482	0.64%	0.15%	0.00%	63.75%	0.01%	0.01%	0.00%	0.00%
SR607486	0.64%	0.15%	0.00%	63.75%	0.01%	0.01%	0.00%	0.00%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.64%	0.26%	0.00%	63.75%	0.006%	0.0097%	0.00%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Cs-134 Ci%	Cs-137 Ci%	Eu-154 Ci%	Eu-155 Ci%	H-3 Ci%	Kr-85 Ci%	Np-237 Ci%	Pm-147 Ci%	Pr-144 Ci%
SR607484	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%
SR607474	0.03%	0.27%	0.01%	0.00%	0.00%	0.02%	0.01%	0.02%	0.00%
SR607480	0.02%	0.16%	0.01%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%
SR607482	0.02%	0.16%	0.01%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%
SR607486	0.02%	0.16%	0.01%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.03%	0.27%	0.014%	0.00%	0.00%	0.02%	0.08%	0.02%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Pu-238 Ci%	Pu-239 Ci%	Pu-240 Ci%	Pu-241 Ci%	Pu-242 Ci%	Rh-106 Ci%	Ru-106 Ci%	Sm-151 Ci%
SR607484	18.58%	6.86%	1.61%	72.86%	0.00%	0.00%	0.00%	0.00%
SR607474	3.21%	4.45%	1.19%	48.38%	0.00%	0.00%	0.00%	0.00%
SR607480	2.41%	2.60%	0.83%	28.60%	0.00%	0.00%	0.00%	0.00%
SR607482	2.41%	2.60%	0.83%	28.60%	0.00%	0.00%	0.00%	0.00%
SR607486	2.41%	2.60%	0.83%	28.60%	0.00%	0.00%	0.00%	0.00%
	2.41%	2.60%	0.83%	28.60%	0.00%	0.00%	0.00%	0.00%
	18.58%	6.86%	1.61%	72.86%	0.00%	0.00%	0.00%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Sr-90 Ci%	Tc-99 Ci%	Y-90 Ci%	SUM	Am-241 g	Am-242m g	Am-243 g	Ba-137m g	C-14 g
SR607484	0.00%	0.00%	0.00%	100.00%	0	0	0	0	0
SR607474	0.19%	0.00%	0.19%	100.00%	0.001886784	1.99429E-05	0.040136094	9.35316E-12	0
SR607480	0.12%	0.00%	0.12%	100.00%	0.00490564	5.18516E-05	0.104353861	9.35316E-12	0
SR607482	0.12%	0.00%	0.12%	100.00%	0.00490564	5.18516E-05	0.104353861	9.35316E-12	0
SR607486	0.12%	0.00%	0.12%	100.00%	0.00490564	5.18516E-05	0.104353861	9.35316E-12	0
				SUM	0.0166037	0.0001755	0.3531977	0.0000000	0.0000000
	0.00%	0.00%	0.00%	Wt%	0.16%	0.00%	3.51%	0.00%	
	0.19%	0.00%	0.19%						

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Ce-144 g	Cm-243 g	Cm-244 g	Cm-245 g	Co-60 g	Cm-246 g	Cm-247 g	Cm-248 g
SR607484	0	0	0	0	0	0	0	0
SR607474	3.10559E-09	0	0.009887531	0.000464253	0	0.000395972	2.69457E-06	5.73185E-07
SR607480	3.10559E-09	0	0.025707579	0.001207059	0	0.001029527	7.00588E-06	1.49028E-06
SR607482	3.10559E-09	0	0.025707579	0.001207059	0	0.001029527	7.00588E-06	1.49028E-06
SR607486	3.10559E-09	0	0.025707579	0.001207059	0	0.001029527	7.00588E-06	1.49028E-06
	0.0000000	0.0000000	0.0870103	0.0040854	0.0000000	0.0034846	0.0000237	0.0000050
	0.00%		0.86%	0.04%		0.03%	0.00%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Cs-134 g	Cs-137 g	Eu-154 g	Eu-155 g	H-3 g	I-129 g	Kr-85 g	K-40 g
SR607484	0	0	0	0	0	0	0	0
SR607474	4.03053E-07	6.11818E-05	1.06367E-06	2.12766E-08	2.66393E-09	0	9.42065E-07	0
SR607480	4.03053E-07	6.11818E-05	1.06367E-06	2.12766E-08	2.66393E-09	0	9.42065E-07	0
SR607482	4.03053E-07	6.11818E-05	1.06367E-06	2.12766E-08	2.66393E-09	0	9.42065E-07	0
SR607486	4.03053E-07	6.11818E-05	1.06367E-06	2.12766E-08	2.66393E-09	0	9.42065E-07	0
	0.0000016	0.0002447	0.0000043	0.0000001	0.0000000	0.0000000	0.0000038	0.0000000
	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Np-237 g	Pm-147 g	Pr-144 g	Pu-238 g	Pu-239 g	Pu-240 g	Pu-241 g
SR607484	1.386	0	0	0.013248	1.34496	0.0864	0.00864
SR607474	0.187788219	5.20256E-07	1.30742E-13	0.003655806	1.39431558	0.102130609	0.009177903
SR607480	0.187788219	5.20256E-07	1.30742E-13	0.004593144	1.365446741	0.119480391	0.00907198
SR607482	0.187788219	5.20256E-07	1.30742E-13	0.004593144	1.365446741	0.119480391	0.00907198
SR607486	0.187788219	5.20256E-07	1.30742E-13	0.004593144	1.365446741	0.119480391	0.00907198
	2.1371529	0.0000021	0.0000000	0.0306832	6.8356158	0.5469718	0.0450338
	21.22%	0.00%	0.00%	0.30%	67.88%	5.43%	0.45%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Pu-242 g	Rh-106 g	Ru-106 g	Sm-151 g	Sr-90 g	Tc-99 g	Te-125 g	U-233 g
SR607484	0.000864	0	0	0	0	0	0	0
SR607474	0.001553143	9.55056E-15	1.00592E-08	2.70423E-06	2.76667E-05	0	8.88889E-10	0
SR607480	0.002565972	9.55056E-15	1.00592E-08	2.70423E-06	2.76667E-05	0	8.88889E-10	0
SR607482	0.002565972	9.55056E-15	1.00592E-08	2.70423E-06	2.76667E-05	0	8.88889E-10	0
SR607486	0.002565972	9.55056E-15	1.00592E-08	2.70423E-06	2.76667E-05	0	8.88889E-10	0
	0.0101151	0.0000000	0.0000000	0.0000108	0.0001107	0.0000000	0.0000000	0.0000000
	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	U-234 g	U-235 g	U-236 g	U-238 g	Y-90 g	SUM	MIN/MAX	Am-241 Wt%	Am-242m Wt%
SR607484	0	0	0	0	0	2.840112		0.00%	0.00%
SR607474	0	0	0	0	7.01838E-09	1.751509631		0.11%	0.00%
SR607480	0	0	0	0	7.01838E-09	1.826304988		0.27%	0.00%
SR607482	0	0	0	0	7.01838E-09	1.826304988		0.27%	0.00%
SR607486	0	0	0	0	7.01838E-09	1.826304988		0.27%	0.00%
	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	10.0705366	MIN	0.00%	0.00%
	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	MAX	0.27%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Am-243 Wt%	Ba-137m Wt%	Ce-144 Wt%	Cm-244 Wt%	Cm-245 Wt%	Cm-246 Wt%	Cm-247 Wt%
SR607484	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SR607474	2.29%	0.00%	0.00%	0.56%	0.03%	0.02%	0.00%
SR607480	5.71%	0.00%	0.00%	1.41%	0.07%	0.06%	0.00%
SR607482	5.71%	0.00%	0.00%	1.41%	0.07%	0.06%	0.00%
SR607486	5.71%	0.00%	0.00%	1.41%	0.07%	0.06%	0.00%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	5.71%	0.00%	0.00%	1.41%	0.07%	0.06%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Cm-248 Wt%	Cs-134 Wt%	Cs-137 Wt%	Eu-154 Wt%	Eu-155 Wt%	H-3 Wt%	Kr-85 Wt%	Np-237 Wt%
SR607484	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	48.80%
SR607474	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.72%
SR607480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.28%
SR607482	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.28%
SR607486	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.28%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.28%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	48.80%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Pm-147 Wt%	Pr-144 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Pu-241 Wt%	Pu-242 Wt%	Rh-106 Wt%
SR607484	0.00%	0.00%	0.47%	47.36%	3.04%	0.30%	0.03%	0.00%
SR607474	0.00%	0.00%	0.21%	79.61%	5.83%	0.52%	0.09%	0.00%
SR607480	0.00%	0.00%	0.25%	74.77%	6.54%	0.50%	0.14%	0.00%
SR607482	0.00%	0.00%	0.25%	74.77%	6.54%	0.50%	0.14%	0.00%
SR607486	0.00%	0.00%	0.25%	74.77%	6.54%	0.50%	0.14%	0.00%
	0.00%	0.00%	0.21%	47.36%	3.04%	0.30%	0.03%	0.00%
	0.00%	0.00%	0.47%	79.61%	6.54%	0.52%	0.14%	0.00%

Attachment 1
Add Containers Memo 10-23-12

CONTAINERID	Ru-106 Wt%	Sm-151 Wt%	Sr-90 Wt%	Tc-99 Wt%	Y-90 Wt%	SUM
SR607484	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
SR607474	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
SR607480	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
SR607482	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
SR607486	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
	0.00%	0.00%	0.00%	0.00%	0.00%	
	0.00%	0.00%	0.00%	0.00%	0.00%	

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C061
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☑ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a] : Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Schoen, NA, NA, 11/18/2011, NA	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR5, PR6, PR7, WS1, WS2, WS3, WS9, WS10, WS11	Throughout	Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present. Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S51 00) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream. Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information. To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream. The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached

CCP RECORDS ORIGINAL
DATE REC'D 12-15-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: C061
AK # [b]	**Source Doc. Page # [c]**	***AK Information Summary***
		Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx"). From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson _____ Date: 12/05/2011

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

C061

Letter to AK Record

Author: James M. Schoen
CCP AKE

Date: November 18, 2011
Telephone Number: 303-838-6552

Subject: Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B

Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present.

Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream.

Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information.

To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream.

The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx").

From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

C061

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.09%	0.00% - 7.20%	0.38%	0.00% - 2.97%	Yes
Pu-238	1.48%	0.00% - 11.97%	33.16%	0.00% - 91.09%	Yes
Pu-239	**3.27%**	0.00% - 77.74%	0.27%	0.00% - 43.98%	Yes
Pu-240	**94.65%**	22.24% - 99.25%	28.25%	1.99% - 67.67%	Yes
Pu-242	Not Reported				Yes[6]
U-233	Not Reported				No
U-234	Not Reported				No
U-238	Not Reported				No
Cs-137	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Sr-90	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Additional Radionuclides					
Am-243	0.13%	0.01% - 0.30%	0.03%	0.00% - 0.09%	Yes
Cm-244	0.35%	0.00% - 10.42%	37.22%	0.00% - 87.84%	Yes
Cm-245	Trace	0.00% - 0.01%	Trace	0.00% - 0.02%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Np-237	0.03%	0.00% - 9.27%	Trace	0.00% - 0.01%	Yes
Pu-241	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ra-226	Trace	Trace - 0.01%	0.60%	0.27% - 9.94%	Yes
U-235	0.00%	0.00%	0.00%	0.00%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy.

Container ID	SR-90 g	Cs-137 g	Eu-154 g	Ra-226 g	U-235 g	Np-237 g	Pu-238 g	Pu-239 g	Pu-240 g	Am-241 g
SR108165	5.86E-08	9.19E-08	9.39E-09	5.09E-07	0.00E+00	0.00E+00	4.74E-04		9.08E-02	
SR108166	1.71E-08	2.68E-08	1.91E-09	4.16E-07	0.00E+00	0.00E+00	2.36E-04		5.84E-03	5.24E-04
SR108167	2.90E-08	4.54E-08		6.33E-07	0.00E+00	0.00E+00	2.21E-04		3.27E-02	
SR108169	2.79E-08	4.37E-08	1.57E-09	5.14E-07	0.00E+00	0.00E+00	4.06E-04		6.08E-03	
SR108170	1.59E-09	2.50E-09		6.07E-07	0.00E+00	0.00E+00	2.00E-04		7.16E-03	
SR108172	3.59E-09	5.63E-09		2.82E-07	0.00E+00	0.00E+00	1.42E-04		2.59E-03	
SR108173	3.34E-09	5.25E-09		6.08E-07	0.00E+00	0.00E+00		2.01E-02	5.75E-03	
SR108174	1.34E-07	2.10E-07	7.31E-09	5.31E-07	0.00E+00	0.00E+00	1.33E-03		3.22E-02	
SR108175	1.79E-08	2.80E-08	1.40E-09	6.22E-07	0.00E+00	0.00E+00	6.89E-04		1.38E-02	
SR108179	9.07E-09	1.42E-08	1.13E-09	4.12E-07	0.00E+00	0.00E+00	2.62E-04		3.47E-03	
SR108180	5.21E-09	8.17E-09	1.70E-09	1.47E-07	0.00E+00	0.00E+00	7.95E-04		9.92E-03	
SR89797	8.39E-10	1.32E-09		2.17E-07	0.00E+00	1.81E-04	8.10E-05		1.69E-03	
SR108168	1.13E-06	1.77E-06	6.07E-08		0.00E+00	0.00E+00	2.21E-03		3.52E-01	
SR108172A	5.34E-09	8.37E-09			0.00E+00	0.00E+00	1.13E-03		8.31E-03	
SR108171	1.02E-08	1.60E-08		5.46E-07	0.00E+00	0.00E+00	9.05E-04		9.65E-03	
SUM	1.45E-06	2.28E-06	8.51E-08	5.28E-06	0.00E+00	1.81E-04	9.08E-03	2.01E-02	5.82E-01	5.24E-04
Wt%	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**1.48%**	**3.27%**	**94.65%**	**0.09%**
NUCLIDE	**SR-90 Ci**	**Cs-137 Ci**	**Eu-154 Ci**	**Ra-226 Ci**	**U-235 Ci**	**Np-237 Ci**	**Pu-238 Ci**	**Pu-239 Ci**	**Pu-240 Ci**	**Am-241 Ci**
SR108165	8.09E-06	8.09E-06	2.51E-06	2.39E-04	0.00E+00	0.00E+00	8.20E-03	0.00E+00	2.09E-02	0.00E+00
SR108166	2.36E-06	2.36E-06	5.10E-07	1.96E-04	0.00E+00	0.00E+00	4.08E-03	0.00E+00	1.34E-03	1.82E-03
SR108167	4.00E-06	4.00E-06	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.82E-03	0.00E+00	7.52E-03	0.00E+00
SR108169	3.85E-06	3.85E-06	4.19E-07	2.42E-04	0.00E+00	0.00E+00	7.02E-03	0.00E+00	1.40E-03	0.00E+00
SR108170	2.19E-07	2.20E-07	0.00E+00	2.85E-04	0.00E+00	0.00E+00	3.46E-03	0.00E+00	1.65E-03	0.00E+00
SR108172	4.95E-07	4.95E-07	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.46E-03	0.00E+00	5.96E-04	0.00E+00
SR108173	4.61E-07	4.62E-07	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-03	1.32E-03	0.00E+00
SR108174	1.85E-05	1.85E-05	1.95E-06	2.50E-04	0.00E+00	0.00E+00	2.30E-02	0.00E+00	7.41E-03	0.00E+00
SR108175	2.47E-06	2.46E-06	3.74E-07	2.92E-04	0.00E+00	0.00E+00	1.19E-02	0.00E+00	3.17E-03	0.00E+00
SR108179	1.25E-06	1.25E-06	3.02E-07	1.94E-04	0.00E+00	0.00E+00	4.53E-03	0.00E+00	7.98E-04	0.00E+00
SR108180	7.19E-07	7.19E-07	4.54E-07	6.91E-05	0.00E+00	0.00E+00	1.38E-02	0.00E+00	2.28E-03	0.00E+00
SR89797	1.16E-07	1.16E-07	0.00E+00	1.02E-04	0.00E+00	1.29E-07	1.40E-03	0.00E+00	3.89E-04	0.00E+00
SR108168	1.56E-04	1.56E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	8.10E-02	0.00E+00
SR108172A	7.37E-07	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-02	0.00E+00	1.91E-03	0.00E+00
SR108171	1.41E-06	1.41E-06	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.57E-02	0.00E+00	2.22E-03	0.00E+00
SUM	2.01E-04	2.00E-04	2.27E-05	2.84E-03	0.00E+00	1.29E-07	1.57E-01	1.26E-03	1.34E-01	1.82E-03
Ci%	**0.04%**	**0.04%**	**0.00%**	**0.60%**	**0.00%**	**0.00%**	**33.16%**	**0.27%**	**28.25%**	**0.38%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Pu-241 g	Am-243 g	Cm-244 g	Cm-245 g	SUM		SR-90 Wt%	Cs-137 Wt%	Eu-154 Wt%
SR108165	0	8.35E-05	7.43E-04	4.41E-06	9.21E-02		0.00%	0.00%	0.00%
SR108166	0.00E+00	2.16E-05	6.58E-04		7.28E-03		0.00%	0.00%	0.00%
SR108167	0	2.53E-05			3.29E-02		0.00%	0.00%	0.00%
SR108169	0	1.87E-06	7.55E-04		7.24E-03		0.00%	0.00%	0.00%
SR108170	0	1.58E-05			7.38E-03		0.00%	0.00%	0.00%
SR108172	0	1.95E-06			2.73E-03		0.00%	0.00%	0.00%
SR108173	0	2.48E-06		3.30E-06	2.59E-02		0.00%	0.00%	0.00%
SR108174	0	6.61E-05			3.36E-02		0.00%	0.00%	0.00%
SR108175	0	1.31E-05			1.45E-02		0.00%	0.00%	0.00%
SR108179	0	4.89E-06			3.74E-03		0.00%	0.00%	0.00%
SR108180	0	1.46E-05			1.07E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	5.20E-07			1.95E-03		0.00%	0.00%	0.00%
SR108168	0.00E+00	5.56E-04			3.55E-01		0.00%	0.00%	0.00%
SR108172A	0.00E+00	2.58E-06			9.44E-03		0.00%	0.00%	0.00%
SR108171	0.00E+00	4.39E-06			1.06E-02		0.00%	0.00%	0.00%
SUM	0.00E+00	8.15E-04	2.16E-03	7.71E-06	6.15E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Wt%	**0.00%**	**0.13%**	**0.35%**	**0.00%**	**100.00%**	**MAX**	**0.00%**	**0.00%**	**0.00%**
NUCLIDE	**Pu-241 Ci**	**Am-243 Ci**	**Cm-244 Ci**	**Cm-245 Ci**			**SR-90 Ci%**	**Cs-137 Ci%**	**Eu-154 Ci%**
SR108165	0.00E+00	1.69E-05	6.08E-02	7.67E-07	9.01E-02		0.01%	0.01%	0.00%
SR108166	0.00E+00	4.36E-06	5.38E-02	0.00E+00	6.13E-02		0.00%	0.00%	0.00%
SR108167	0.00E+00	5.11E-06	0.00E+00	0.00E+00	1.17E-02		0.03%	0.03%	0.00%
SR108169	0.00E+00	3.78E-07	6.18E-02	0.00E+00	7.04E-02		0.01%	0.01%	0.00%
SR108170	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.40E-03		0.00%	0.00%	0.00%
SR108172	0.00E+00	3.94E-07	0.00E+00	0.00E+00	3.19E-03		0.02%	0.02%	0.00%
SR108173	0.00E+00	5.01E-07	0.00E+00	5.74E-07	2.87E-03		0.02%	0.02%	0.00%
SR108174	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.07E-02		0.06%	0.06%	0.01%
SR108175	0.00E+00	2.65E-06	0.00E+00	0.00E+00	1.54E-02		0.02%	0.02%	0.00%
SR108179	0.00E+00	9.88E-07	0.00E+00	0.00E+00	5.53E-03		0.02%	0.02%	0.01%
SR108180	0.00E+00	2.95E-06	0.00E+00	0.00E+00	1.61E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	1.05E-07	0.00E+00	0.00E+00	1.89E-03		0.01%	0.01%	0.00%
SR108168	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-01		0.13%	0.13%	0.01%
SR108172A	0.00E+00	5.21E-07	0.00E+00	0.00E+00	2.15E-02		0.00%	0.00%	0.00%
SR108171	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.81E-02		0.01%	0.01%	0.00%
SUM	0.00E+00	1.65E-04	1.76E-01	1.34E-06	4.74E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.00%**	**0.03%**	**37.22%**	**0.00%**	**100.00%**	**MAX**	**0.13%**	**0.13%**	**0.01%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Ra-226 Wt%	U-235 Wt%	Np-237 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Am-241 Wt%	Pu-241 Wt%
SR108165	0.00%	0.00%	0.00%	0.51%	0.00%	98.58%	0.00%	0.00%
SR108166	0.01%	0.00%	0.00%	3.24%	0.00%	80.22%	7.20%	0.00%
SR108167	0.00%	0.00%	0.00%	0.67%	0.00%	99.25%	0.00%	0.00%
SR108169	0.01%	0.00%	0.00%	5.61%	0.00%	83.94%	0.00%	0.00%
SR108170	0.01%	0.00%	0.00%	2.71%	0.00%	97.07%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%	5.19%	0.00%	94.72%	0.00%	0.00%
SR108173	0.00%	0.00%	0.00%	0.00%	77.74%	22.24%	0.00%	0.00%
SR108174	0.00%	0.00%	0.00%	3.96%	0.00%	95.84%	0.00%	0.00%
SR108175	0.00%	0.00%	0.00%	4.75%	0.00%	95.15%	0.00%	0.00%
SR108179	0.01%	0.00%	0.00%	7.01%	0.00%	92.85%	0.00%	0.00%
SR108180	0.00%	0.00%	0.00%	7.41%	0.00%	92.45%	0.00%	0.00%
SR89797	0.01%	0.00%	9.27%	4.15%	0.00%	86.55%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	0.62%	0.00%	99.22%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	11.97%	0.00%	88.01%	0.00%	0.00%
SR108171	0.01%	0.00%	0.00%	8.57%	0.00%	91.38%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**22.24%**	**0.00%**	**0.00%**
Wt%	**0.01%**	**0.00%**	**9.27%**	**11.97%**	**77.74%**	**99.25%**	**7.20%**	**0.00%**
NUCLIDE	**Ra-226 Ci%**	**U-235 Ci%**	**Np-237 Ci%**	**Pu-238 Ci%**	**Pu-239 Ci%**	**Pu-240 Ci%**	**Am-241 Ci%**	**Pu-241 Ci%**
SR108165	0.27%	0.00%	0.00%	9.10%	0.00%	23.17%	0.00%	0.00%
SR108166	0.32%	0.00%	0.00%	6.66%	0.00%	2.19%	2.97%	0.00%
SR108167	2.55%	0.00%	0.00%	32.80%	0.00%	64.53%	0.00%	0.00%
SR108169	0.34%	0.00%	0.00%	9.97%	0.00%	1.99%	0.00%	0.00%
SR108170	5.29%	0.00%	0.00%	64.12%	0.00%	30.52%	0.00%	0.00%
SR108172	4.16%	0.00%	0.00%	77.10%	0.00%	18.70%	0.00%	0.00%
SR108173	9.94%	0.00%	0.00%	0.00%	43.98%	46.01%	0.00%	0.00%
SR108174	0.81%	0.00%	0.00%	74.91%	0.00%	24.11%	0.00%	0.00%
SR108175	1.90%	0.00%	0.00%	77.43%	0.00%	20.62%	0.00%	0.00%
SR108179	3.50%	0.00%	0.00%	81.99%	0.00%	14.44%	0.00%	0.00%
SR108180	0.43%	0.00%	0.00%	85.38%	0.00%	14.16%	0.00%	0.00%
SR89797	5.39%	0.00%	0.01%	74.05%	0.00%	20.54%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	31.96%	0.00%	67.67%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	91.09%	0.00%	8.91%	0.00%	0.00%
SR108171	1.41%	0.00%	0.00%	86.33%	0.00%	12.24%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.99%**	**0.00%**	**0.00%**
Ci%	**9.94%**	**0.00%**	**0.01%**	**91.09%**	**43.98%**	**67.67%**	**2.97%**	**0.00%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Am-243 Wt%	Cm-244 Wt%	Cm-245 Wt%
SR108165	0.09%	0.81%	0.00%
SR108166	0.30%	9.04%	0.00%
SR108167	0.08%	0.00%	0.00%
SR108169	0.03%	10.42%	0.00%
SR108170	0.21%	0.00%	0.00%
SR108172	0.07%	0.00%	0.00%
SR108173	0.01%	0.00%	0.01%
SR108174	0.20%	0.00%	0.00%
SR108175	0.09%	0.00%	0.00%
SR108179	0.13%	0.00%	0.00%
SR108180	0.14%	0.00%	0.00%
SR89797	0.03%	0.00%	0.00%
SR108168	0.16%	0.00%	0.00%
SR108172A	0.03%	0.00%	0.00%
SR108171	0.04%	0.00%	0.00%
SUM	**0.01%**	**0.00%**	**0.00%**
Wt%	**0.30%**	**10.42%**	**0.01%**
NUCLIDE	**Am-243 Ci%**	**Cm-244 Ci%**	**Cm-245 Ci%**
SR108165	0.02%	67.43%	0.00%
SR108166	0.01%	87.84%	0.00%
SR108167	0.04%	0.00%	0.00%
SR108169	0.00%	87.69%	0.00%
SR108170	0.06%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%
SR108173	0.02%	0.00%	0.02%
SR108174	0.04%	0.00%	0.00%
SR108175	0.02%	0.00%	0.00%
SR108179	0.02%	0.00%	0.00%
SR108180	0.02%	0.00%	0.00%
SR89797	0.01%	0.00%	0.00%
SR108168	0.09%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%
SR108171	0.00%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.09%**	**87.84%**	**0.02%**

DIVIDER

PAGE

Attachment 8 - Waste Containers

Site(s):	Savannah River Site
Waste Stream Number(s):	SR-MD-SOIL, SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C
Waste Stream Description:	Mixed TRU Soils, Heterogeneous Mixed TRU Waste Debris, Absorbed liquids generated at the Mound Site and stored at Savannah River Site, Homogeneous Mixed TRU Solidified Wastewater Treatment Sludge
Number of Waste Containers in All Waste Stream:	SR-MD-SOIL: 76 SR-MD-HET: 321 SR-MD-HOM-A: 11 SR-MD-HOM-C: 3
Total Existing Volume (m^3):	SR-MD-SOIL: 50.86 SR-MD-HET: 445.13 SR-MD-HOM-A: 2.64 SR-MD-HOM-C: 0.63
Is waste expected to be generated in the future?	No
If yes, Estimated Future Volume (m^3):	NA
Assumptions:	None
Waste Stream Container Evaluation Memo(s) for Added Containers:	C046, M065
Acceptable Knowledge Expert:	Jason Montoya (Print) — Sign — 11/13/13 (Date)

Container Identification Number	WasteStream	Closure Date
	See Attached Waste Containers List	

NTPC RECORDS ORIGINAL
DATE REC'D 11/14/13

Container ID	AK Report	Waste Stream	Container Type	Generation Date
235F05006	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/29/2005
MD0202747A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2012
MD0202747B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2012
MD0310305A	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/9/2012
MD0310326A	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/19/2012
MD0310331A	CCP-AK-SRS-8	SR-MD-HET	SLB2	2/1/2012
MD0310931A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/19/2012
MD0520005A	CCP-AK-SRS-8	SR-MD-HET	SWB	6/12/2012
MD31033501	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033502	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033503	CCP-AK-SRS-8	SR-MD-HET	SWB	6/13/2011
MD31033601	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/4/2011
MD31033602	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/4/2011
MD31033603	CCP-AK-SRS-8	SR-MD-HET	SWB	6/6/2011
MD31033604	CCP-AK-SRS-8	SR-MD-HET	SWB	6/6/2011
MD31033605	CCP-AK-SRS-8	SR-MD-HET	SWB	6/6/2011
MD31033606	CCP-AK-SRS-8	SR-MD-HET	55G Drum	6/6/2011
MD31141101	CCP-AK-SRS-8	SR-MD-HET	SLB2	8/25/2011
MD31141102	CCP-AK-SRS-8	SR-MD-HET	SWB	8/25/2011
MDL0100773	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/7/1999
MDL010878	CCP-AK-SRS-8	SR-MD-HET	85G Drum	11/6/1985
MDL010979	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/10/1988
MDL010980	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/10/1988
MDL010981	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/10/1988
MDL011036	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011038	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/10/2001
MDL011044	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011047	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011048	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011061	CCP-AK-SRS-8	SR-MD-HET	85G Drum	8/30/1999
MDL011079	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/10/2001
MDL011087	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011093	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011094	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011095	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011099	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011104	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011107	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/1/1994
MDL011109	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/10/2001
MDL011118	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/2/1999
MDL011341	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/1/1982
MDL011343	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/18/1984
MDL011343A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	10/30/2007
MDL011345	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/7/1988
MDL011347	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/9/1986
MDL011348	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/26/1988

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL011348A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/30/2007
MDL011352	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/15/1985
MDL011354	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/1/1982
MDL011362	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/26/1988
MDL011364	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/5/1985
MDL011366	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/5/1985
MDL011367	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/7/1988
MDL011368	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/19/1985
MDL011372	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/5/1985
MDL011452	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/10/2001
MDL011462	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/10/2001
MDL016249	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/15/1993
MDL016258	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/25/1991
MDL016259	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/21/1990
MDL016260	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/13/1985
MDL016260A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	10/16/2007
MDL016273	CCP-AK-SRS-8	SR-MD-HET	55G Drum	6/3/1992
MDL016273A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/18/2007
MDL016274	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/21/1988
MDL016275	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/21/1990
MDL016281	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/9/1986
MDL016282	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/9/1986
MDL016283	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/9/1986
MDL016284	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/13/1985
MDL016284A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	10/4/2007
MDL016443	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/7/1999
MDL016452	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/7/1999
MDL0201622	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2000
MDL0202736	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL0202747	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL020742	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL021020	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021121	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL0211326	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021232	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021300	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021301	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021302	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021303	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021303A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/29/2007
MDL021304	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/12/1982
MDL021305	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/12/1982
MDL021306	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021308	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/12/1982
MDL021309	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021310	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL021311	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021311A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/29/2007
MDL021312	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021313	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021314	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021315	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021337	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021340	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021342	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021344	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021344A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/29/2008
MDL021346	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021349	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/5/1985
MDL021350	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021351	CCP-AK-SRS-8	SR-MD-HET	55G Drum	6/7/1988
MDL021355	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021356	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/12/1982
MDL021358	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021360	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021361	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021361A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/25/2008
MDL021363	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021365	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/9/1986
MDL021369	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021369A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/30/2007
MDL021373	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021373A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/20/2007
MDL021374	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/3/1987
MDL021375	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021376	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021377	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL021377A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/28/2007
MDL021377B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/28/2007
MDL021607	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL021621	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL021626	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022703	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022703A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/27/2007
MDL022706	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022706A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/19/2007
MDL022706B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/19/2007
MDL022719	CCP-AK-SRS-8	SR-MD-HET	85G Drum	5/15/2002
MDL022720	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL022726	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022728	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022735	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL022737	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022739	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022740	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022742	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022743	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022751	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022758	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022763	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/4/2002
MDL022771	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL02513A	CCP-AK-SRS-8	SR-MD-HET	SWB	5/11/2012
MDL02513B	CCP-AK-SRS-8	SR-MD-HET	SWB	5/11/2012
MDL02513C	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/11/2012
MDL02514A	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/15/2012
MDL02514B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/22/2012
MDL02515A	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/5/2012
MDL02521A	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/3/2012
MDL02550A	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/10/2012
MDL02560A	CCP-AK-SRS-8	SR-MD-HET	SWB	6/28/2012
MDL02560B	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL02560C	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL02560D	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL02560E	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL02560F	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL02560G	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/28/2012
MDL026086	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026248	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026250	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026250A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	11/28/2007
MDL026250C	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/30/2012
MDL026251	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026253	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026256	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026257	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026271	CCP-AK-SRS-8	SR-MD-HET	55G Drum	6/1/1989
MDL026272	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026276	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/21/1990
MDL026277	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026447	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026450	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/4/2002
MDL026453	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/15/2002
MDL0300809	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/10/2003
MDL0300818	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/30/1999
MDL0301011	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/26/1999
MDL0301029	CCP-AK-SRS-8	SR-MD-HET	85G Drum	9/28/1999
MDL0301031	CCP-AK-SRS-8	SR-MD-HET	85G Drum	10/3/1999
MDL0301245	CCP-AK-SRS-8	SR-MD-HET	85G Drum	8/22/1999

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL0301402	CCP-AK-SRS-8	SR-MD-HET	85G Drum	2/22/2001
MDL0301611	CCP-AK-SRS-8	SR-MD-HET	85G Drum	4/25/2001
MDL0301739	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/10/2001
MDL0301771	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/10/2001
MDL0301778	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/10/2001
MDL0301793	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/10/2001
MDL0301828	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/10/2001
MDL0301842	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/20/2003
MDL0302350	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/25/2001
MDL0302353	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/25/2001
MDL0302417	CCP-AK-SRS-8	SR-MD-HET	55G Drum	7/30/2003
MDL0302422	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/20/2003
MDL0302429	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/20/2003
MDL0302530	CCP-AK-SRS-8	SR-MD-HET	55G Drum	8/20/2003
MDL0302702	CCP-AK-SRS-8	SR-MD-HET	85G Drum	5/27/2002
MDL0302733	CCP-AK-SRS-8	SR-MD-HET	85G Drum	6/19/2001
MDL0302770	CCP-AK-SRS-8	SR-MD-HET	85G Drum	5/28/2002
MDL0303032	CCP-AK-SRS-8	SR-MD-HET	85G Drum	11/18/2002
MDL0303666	CCP-AK-SRS-8	SR-MD-HET	85G Drum	8/20/2003
MDL0310204	CCP-AK-SRS-8	SR-MD-HET	85G Drum	7/21/1999
MDL031025	CCP-AK-SRS-8	SR-MD-HET	85G Drum	2/10/2003
MDL0310304	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/21/2000
MDL0310307	CCP-AK-SRS-8	SR-MD-HET	Steel Box	5/23/2001
MDL0310323	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/19/2001
MDL0310328	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/18/2001
MDL0310330	CCP-AK-SRS-8	SR-MD-HET	Steel Box	7/9/2001
MDL0310823	CCP-AK-SRS-8	SR-MD-HET	Steel Box	5/21/2001
MDL0310824	CCP-AK-SRS-8	SR-MD-HET	Steel Box	5/22/2001
MDL0310827	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310828	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310829	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310830	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310832	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310833	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/31/2002
MDL0310925	CCP-AK-SRS-8	SR-MD-HET	SWB	12/11/2001
MDL0310926	CCP-AK-SRS-8	SR-MD-HET	SWB	12/11/2001
MDL0310927	CCP-AK-SRS-8	SR-MD-HET	SWB	1/21/2002
MDL0310928	CCP-AK-SRS-8	SR-MD-HET	SWB	6/11/2003
MDL0310929	CCP-AK-SRS-8	SR-MD-HET	SWB	2/20/2002
MDL0310930	CCP-AK-SRS-8	SR-MD-HET	SWB	2/14/2002
MDL0310931	CCP-AK-SRS-8	SR-MD-HET	SWB	2/21/2002
MDL0310932	CCP-AK-SRS-8	SR-MD-HET	SWB	3/6/2002
MDL0310933	CCP-AK-SRS-8	SR-MD-HET	SWB	6/11/2003
MDL0310935	CCP-AK-SRS-8	SR-MD-HET	SWB	2/12/2002
MDL0310936	CCP-AK-SRS-8	SR-MD-HET	SWB	2/14/2002
MDL0310937	CCP-AK-SRS-8	SR-MD-HET	SWB	12/11/2001

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL0310938	CCP-AK-SRS-8	SR-MD-HET	SWB	11/21/2001
MDL0310939	CCP-AK-SRS-8	SR-MD-HET	SWB	11/14/2001
MDL0310940	CCP-AK-SRS-8	SR-MD-HET	SWB	11/21/2001
MDL0310991	CCP-AK-SRS-8	SR-MD-HET	Steel Box	3/7/2002
MDL0310992	CCP-AK-SRS-8	SR-MD-HET	Steel Box	3/19/2002
MDL0311403	CCP-AK-SRS-8	SR-MD-HET	Steel Box	1/29/2003
MDL0311411	CCP-AK-SRS-8	SR-MD-HET	Steel Box	11/7/2002
MDL0311412	CCP-AK-SRS-8	SR-MD-HET	Steel Box	10/23/2002
MDL0314029	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/10/2003
MDL0314175	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/10/2003
MDL0314180	CCP-AK-SRS-8	SR-MD-HET	55G Drum	6/18/2001
MDL0314195	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/10/2003
MDL032702A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	9/7/2007
MDL03491	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/8/2001
MDL0349101	CCP-AK-SRS-8	SR-MD-HET	SLB2	1/13/2012
MDL0349102	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL0349103	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL0349104	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL0349105	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL0349106	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL0349107	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/13/2012
MDL03519A	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/20/2012
MDL03544	CCP-AK-SRS-8	SR-MD-HET	Steel Box	5/23/2001
MDL0354601	CCP-AK-SRS-8	SR-MD-HET	SLB2	1/20/2012
MDL0354602	CCP-AK-SRS-8	SR-MD-HET	85G Drum	1/20/2012
MDL03551	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/8/2001
MDL03554A	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/18/2012
MDL03558	CCP-AK-SRS-8	SR-MD-HET	Steel Box	6/9/2001
MDL0355801	CCP-AK-SRS-8	SR-MD-HET	SLB2	9/27/2011
MDL0355802	CCP-AK-SRS-8	SR-MD-HET	SWB	9/27/2011
MDL0355803	CCP-AK-SRS-8	SR-MD-HET	SWB	9/27/2011
MDL0355804	CCP-AK-SRS-8	SR-MD-HET	SWB	9/27/2011
MDL0355805	CCP-AK-SRS-8	SR-MD-HET	SWB	9/27/2011
MDL039635	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL039666	CCP-AK-SRS-8	SR-MD-HET	Steel Box	10/12/1999
MDL039683	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL039685	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL039686	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL039688	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL039692	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL0500053	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/10/2003
MDL0500775	CCP-AK-SRS-8	SR-MD-HET	55G Drum	2/26/2004
MDL0503489	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/8/2004
MDL0504466	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/25/2004
MDL0504561	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/14/2003
MDL0505354	CCP-AK-SRS-8	SR-MD-HET	55G Drum	12/10/2003

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL0505361	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/22/2005
MDL0506582	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/20/2005
MDL0518004	CCP-AK-SRS-8	SR-MD-HET	SWB	6/30/2005
MDL0518006	CCP-AK-SRS-8	SR-MD-HET	SWB	6/6/2005
MDL0520005	CCP-AK-SRS-8	SR-MD-HET	SWB	5/16/2005
MDL211326A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/19/2008
MDL301793A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/22/2008
MDL310301A	CCP-AK-SRS-8	SR-MD-HET	SLB2	1/25/2012
MDL310301B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	3/22/2012
MDL310308A	CCP-AK-SRS-8	SR-MD-HET	SLB2	1/24/2012
MDL310308B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/24/2012
MDL310825A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/18/2012
MDL310825B	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/1/2012
MDL310825C	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/18/2012
MDL310825D	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/30/2012
MDL310825E	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/2/2012
MDL310825F	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/1/2012
MDL310825H	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/30/2012
MDL310831A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/9/2012
MDL310831B	CCP-AK-SRS-8	SR-MD-HET	SWB	1/9/2012
MDL310831D	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/25/2012
MDL310831E	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/25/2012
MDL310831F	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/8/2012
MDL310831G	CCP-AK-SRS-8	SR-MD-HET	55G Drum	1/25/2012
MDL310831H	CCP-AK-SRS-8	SR-MD-HET	55G Drum	5/2/2012
MDL314195A	CCP-AK-SRS-8	SR-MD-HET	55G Drum	4/7/2008
MDL3968301	CCP-AK-SRS-8	SR-MD-HET	SLB2	10/11/2011
MDL3968501	CCP-AK-SRS-8	SR-MD-HET	SWB	10/13/2011
MDL3968502	CCP-AK-SRS-8	SR-MD-HET	SWB	10/13/2011
MDL3968503	CCP-AK-SRS-8	SR-MD-HET	SWB	10/13/2011
MDL3968601	CCP-AK-SRS-8	SR-MD-HET	SWB	10/19/2011
MDL3968602	CCP-AK-SRS-8	SR-MD-HET	SWB	10/19/2011
MDL3968603	CCP-AK-SRS-8	SR-MD-HET	SWB	10/19/2011
MDL3968604	CCP-AK-SRS-8	SR-MD-HET	SWB	10/19/2011
MDL3968801	CCP-AK-SRS-8	SR-MD-HET	SWB	10/21/2011
MDL3968802	CCP-AK-SRS-8	SR-MD-HET	SWB	10/21/2011
MDL3968803	CCP-AK-SRS-8	SR-MD-HET	SWB	10/21/2011
WMAPSLB008	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/27/2012
WMAPSLB009	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/27/2012
WMAPSLB010	CCP-AK-SRS-8	SR-MD-HET	SLB2	4/27/2012
WMAPSLB011	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/1/2012
WMAPSLB013	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/1/2012
WMAPSLB014	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/2/2012
WMAPSLB017	CCP-AK-SRS-8	SR-MD-HET	SLB2	5/4/2012
WMAPSWB569	CCP-AK-SRS-8	SR-MD-HET	SWB	12/6/2012
MDL011336	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	5/5/1984

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL016237	CCP-AK-SRS-8	SR-MD-HOM-A	85G Drum	6/3/1992
MDL016280	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	5/18/1988
MDL016440	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	5/18/1988
MDL0202746	CCP-AK-SRS-8	SR-MD-HOM-A	85G Drum	9/4/2002
MDL022749	CCP-AK-SRS-8	SR-MD-HOM-A	85G Drum	9/4/2002
MDL026261	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	3/19/1986
MDL026262	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	9/4/2002
MDL026265	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	9/4/2002
MDL026278	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	9/4/2002
MDL026279	CCP-AK-SRS-8	SR-MD-HOM-A	55G Drum	5/2/1984
MDL0502414	CCP-AK-SRS-8	SR-MD-HOM-C	55G Drum	4/15/2004
MDL0502419	CCP-AK-SRS-8	SR-MD-HOM-C	55G Drum	10/2/2003
MDL0502428	CCP-AK-SRS-8	SR-MD-HOM-C	55G Drum	8/27/2003
MD0504544A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/19/2012
MD0504544B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/19/2012
MDL021121A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/6/2012
MDL021312A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/6/2012
MDL021312B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/6/2012
MDL026250B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/6/2012
MDL0502413	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/11/2004
MDL0502426	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/15/2004
MDL0503949	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/17/2004
MDL0504373	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	2/26/2004
MDL0504392	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/15/2004
MDL0504472	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/16/2004
MDL0504474	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/9/2004
MDL0504476	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0504535	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/16/2004
MDL0504544	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/16/2004
MDL0504556	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/15/2004
MDL0504564	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/16/2004
MDL0504586	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/16/2004
MDL0506004	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0506005	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/2/2004
MDL0506007	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/31/2005
MDL0506030	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/19/2005
MDL0506061	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/8/2004
MDL0506067	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/6/2004
MDL0506073	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0506074	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/8/2004
MDL0506075	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/19/2005
MDL0506095	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0506103	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/6/2004
MDL0506105	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/22/2004
MDL0506109	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/8/2004
MDL0506112	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	12/8/2004

Container ID	AK Report	Waste Stream	Container Type	Generation Date
MDL0506146	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0506223	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/31/2005
MDL0506233	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/19/2005
MDL0506246	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL0506267	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/19/2005
MDL0506281	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	1/19/2005
MDL0506542	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/20/2005
MDL0506551	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/21/2005
MDL0506566	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/21/2005
MDL0506581	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/20/2005
MDL0506583	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/20/2005
MDL0506588	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/21/2005
MDL0506629	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506637	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506648	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/20/2005
MDL0506656	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506666	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506674	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506675	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506679	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506689	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506690	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0506692	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	4/4/2005
MDL0518000	CCP-AK-SRS-8	SR-MD-SOIL	SWB	1/19/2005
MDL054307	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/15/2004
MDL054462	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	11/17/2004
MDL502413A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/3/2008
MDL504392A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/3/2008
MDL504472A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	3/29/2010
MDL504472B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	3/29/2010
MDL504586A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/16/2008
MDL504586B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/16/2008
MDL506105A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/17/2008
MDL506112A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/4/2008
MDL506629A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	3/30/2010
MDL506629B	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	3/30/2010
MDL506637A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/15/2008
MDL506666A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/16/2008
MDL506679A	CCP-AK-SRS-8	SR-MD-SOIL	55G Drum	9/15/2008
WMAPSLB012	CCP-AK-SRS-8	SR-MD-SOIL	SLB2	5/2/2012
WMAPSLB015	CCP-AK-SRS-8	SR-MD-SOIL	SLB2	5/3/2012
WMAPSLB016	CCP-AK-SRS-8	SR-MD-SOIL	SLB2	5/3/2012
WMAPSWB535	CCP-AK-SRS-8	SR-MD-SOIL	SWB	6/7/2012

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: C046
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☑ C - Correspondence ☐ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title of Source Document: Reconciliation of Waste Containers List for Waste Stream SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jim Schoen, NA, NA, September 7, 2011, NA	

AK # [a]	Source Doc. Page #[b]	AK Information Summary
WS3, S16	Throughout	Historically, repackaged containers added to the IDC have not always been evaluated and formally added to the Attachment 8. However, a comparison is always performed to confirm the parent container is included in the waste stream. In addition, parent containers remained listed in the Attachment 8 even if they were inactivated after repackaging, making it difficult to reconcile the waste stream population. Therefore, an evaluation of the containers in the IDC database vs. those listed in the SRS-8 Attachment 8 was performed. It was determined that 39 containers have been repackaged, creating new containers, and one container in the database was not listed in the Attachment 8. Additionally, 2 containers in the Attachment 8 have been repackaged and consequently removed from the database; 25 containers in the Attachment 8 have been determined to be low-level waste and consequently removed from the database; and 2 containers have been removed due to non-compliance reports. Consequently, 40 containers have been added to the Attachment 8 and 29 have been removed, resulting in a final count of 318 containers (see attached spreadsheets "SRS-8 Containers to Add to Att 8 09-02-11.xlsx" and "SRS-8 Containers to Remove from Att 8 09-02-11.xlsx"). Therefore, the Attachment 8 container list for AK Report CCP-AK-SRS-8 currently consists of approximately 233 containers in waste stream SR-MD-HET, 11 containers in SR-MD-HOM-A, 3 containers in waste stream SR-MD-HOM-C, and 71 containers in waste stream SR-MD-SOIL.

CCP RECORDS ORIGINAL
DATE REC'D 9-26-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: C046
Source Document Data Limitations (if any): 1. None.	
Acceptable Knowlege Expert: Jason Montoya Print /Sign Date: 9/13/11	
[a] Obtain from Acceptable Knowledge Documentation Checklist [b] For microfilm or microfiche, identify box, tape, reel number and location.	

C046

Memorandum

To: CCP Records

From: James M. Schoen, CCP AKE

Date: September 7, 2011

RE: Reconciliation of Waste Containers List for Waste Stream SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, and SR-MD-SOIL

Historically, repackaged containers added to the IDC have not always been evaluated and formally added to the Attachment 8. However, a comparison is always performed to confirm the parent container is included in the waste stream. In addition, parent containers remained listed in the Attachment 8 even if they were inactivated after repackaging, making it difficult to reconcile the waste stream population. Therefore, an evaluation of the containers in the IDC database vs. those listed in the SRS-8 Attachment 8 was performed. It was determined that 39 containers have been repackaged, creating new containers, and one container in the database was not listed in the Attachment 8. Additionally, 2 containers in the Attachment 8 have been repackaged and consequently removed from the database; 25 containers in the Attachment 8 have been determined to be low-level waste and consequently removed from the database; and 2 containers have been removed due to non-compliance reports. Consequently, 40 containers have been added to the Attachment 8 and 29 have been removed, resulting in a final count of 318 containers (see attached spreadsheets "SRS-8 Containers to Add to Att 8 09-02-11.xlsx" and "SRS-8 Containers to Remove from Att 8 09-02-11.xlsx"). Therefore, the Attachment 8 container list for AK Report CCP-AK-SRS-8 currently consists of approximately 233 containers in waste stream SR-MD-HET, 11 containers in SR-MD-HOM-A, 3 containers in waste stream SR-MD-HOM-C, and 71 containers in waste stream SR-MD-SOIL.

SRS-8 Containers to Add to Att 8 09-02-11.xlsx

CONTAINERID	AK_REPORT	WASTESTREAM	CONTAINER_TYPE	CLOSUREDATE
MD31033501	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033502	CCP-AK-SRS-8	SR-MD-HET	SLB2	6/13/2011
MD31033503	CCP-AK-SRS-8	SR-MD-HET	SWB	6/13/2011
MDL011343A	CCP-AK-SRS-8	SR-MD-HET	55G	10/30/2007
MDL011348A	CCP-AK-SRS-8	SR-MD-HET	55G	11/30/2007
MDL016260A	CCP-AK-SRS-8	SR-MD-HET	55G	10/16/2007
MDL016273A	CCP-AK-SRS-8	SR-MD-HET	55G	12/18/2007
MDL016284A	CCP-AK-SRS-8	SR-MD-HET	55G	10/4/2007
MDL021303A	CCP-AK-SRS-8	SR-MD-HET	55G	11/29/2007
MDL021311A	CCP-AK-SRS-8	SR-MD-HET	55G	11/29/2007
MDL021344A	CCP-AK-SRS-8	SR-MD-HET	55G	1/29/2008
MDL021361A	CCP-AK-SRS-8	SR-MD-HET	55G	1/25/2008
MDL021369A	CCP-AK-SRS-8	SR-MD-HET	55G	11/30/2007
MDL021373A	CCP-AK-SRS-8	SR-MD-HET	55G	9/20/2007
MDL021377A	CCP-AK-SRS-8	SR-MD-HET	55G	11/28/2007
MDL021377B	CCP-AK-SRS-8	SR-MD-HET	55G	11/28/2007
MDL022703A	CCP-AK-SRS-8	SR-MD-HET	55G	11/27/2007
MDL022706A	CCP-AK-SRS-8	SR-MD-HET	55G	12/19/2007
MDL022706B	CCP-AK-SRS-8	SR-MD-HET	55G	12/19/2007
MDL039635	CCP-AK-SRS-8	SR-MD-HET	Steel Box	9/29/1999
MDL0500775	CCP-AK-SRS-8	SR-MD-HET	55G	2/26/2004
MDL0502428	CCP-AK-SRS-8	SR-MD-HOM-C	55G	8/27/2003
MDL211326A	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008
MDL301793A	CCP-AK-SRS-8	SR-MD-HET	55G	5/22/2008
MDL314195A	CCP-AK-SRS-8	SR-MD-HET	55G	4/7/2008
MDL502413A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/3/2008
MDL504392A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/3/2008
MDL504472A	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/29/2010
MDL504472B	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/29/2010
MDL504586A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL504586B	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL506105A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/17/2008
MDL506112A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/4/2008
MDL506629A	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/30/2010
MDL506629B	CCP-AK-SRS-8	SR-MD-SOIL	55G	3/30/2010
MDL506637A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/15/2008
MDL506666A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/16/2008
MDL506679A	CCP-AK-SRS-8	SR-MD-SOIL	55G	9/15/2008
SRTst01LAR	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008
SRTst02LAR	CCP-AK-SRS-8	SR-MD-HET	55G	5/19/2008

SRS-8 Containers to Remove from Att 8 09-02-11.xlsx

Container ID	AK Report	Waste Stream	Waste Matrix Code	Cntnr Type	Closed Date	Reason for Exclusion
MDL0100773	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/7/1999	Low-Level Waste
MDL011036	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011038	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL011044	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011047	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011061	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	8/30/1999	Low-Level Waste
MDL011087	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011093	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011094	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011104	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011107	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	1/1/1994	Low-Level Waste
MDL011118	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/2/1999	Low-Level Waste
MDL011452	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL011462	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	9/10/2001	Low-Level Waste
MDL0302733	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	6/19/2001	Low-Level Waste
MDL0310204	CCP-AK-SRS-8	SR-MD-HET	S5400	85-Gallon Overpack	7/21/1999	Low-Level Waste
MDL0310335	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	8/1/2001	Repackaged
MDL0310336	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	7/18/2001	Repackaged
MDL0310925	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	12/11/2001	NCR-SRS0253090
MDL0310929	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	2/20/2002	Low-Level Waste
MDL0310938	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	11/21/2001	Low-Level Waste
MDL0310940	CCP-AK-SRS-8	SR-MD-HET	S5400	Standard Waste Box	11/21/2001	Low-Level Waste
MDL0310991	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	3/7/2002	Low-Level Waste
MDL03544	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	5/23/2001	Low-Level Waste
MDL03551	CCP-AK-SRS-8	SR-MD-HET	S5400	Other Steel Box	6/8/2001	Low-Level Waste
MDL0505361	CCP-AK-SRS-8	SR-MD-HET	S5400	55-gallon drum	12/14/2003	NCR-SRS-1019-08
MDL0506135	CCP-AK-SRS-8	SR-MD-SOIL	S4200, Soil/Debris	55-gallon drum	1/31/2005	Low-Level Waste
MDL0506241	CCP-AK-SRS-8	SR-MD-SOIL	S4200, Soil/Debris	55-gallon drum	1/31/2005	Low-Level Waste
MDL038907	CCP-AK-SRS-8	SR-MD-HOM-B	S3121	Other	1/15/1998	Low-Level Waste

DIVIDER

PAGE

Attachment 8 - Waste Containers

Site(s):	Savannah River Site	
Waste Stream Number(s):	SR-RH-221H.01	
Waste Stream Description:	Heterogeneous Debris	
Number of Waste Containers in All Waste Stream:	16 55-gallon drums	
Total Existing Volume (m^3):	Total Existing Volume (m^3): 3.34 m^3	55-gallon drums (.209 m^3)
Is waste expected to be generated in the future?	No	
If yes, Estimated Future Volume (m^3):	N/A	
Assumptions:	N/A	

Waste Stream Container Evaluation Memo(s) for Added Containe: C197

Acceptable Knowledge Expert: Jason Montoya / [signature] 6/30/11
Print Sign Date

Container Identification Number	Generation Date	Generation Point

See Attached Waste Containers List

CCP RECORDS ORIGINAL
DATE REC'D 7-11-11

Container ID	Waste Stream	Waste Matrix Code	Vent Date	Closure Date	Container Type
SR503513	SR-RH-221H.01	S5400	2/4/2007	7/12/1977	55-gallon drum
SR513955	SR-RH-221H.01	S5400	2/7/2008	4/9/1981	55-gallon drum
SR513961	SR-RH-221H.01	S5400	7/12/2007	4/9/1981	55-gallon drum
SR522331	SR-RH-221H.01	S5400	2/7/2008	1/26/1984	55-gallon drum
SR522989	SR-RH-221H.01	S5400	9/22/1997	8/2/1984	55-gallon drum
SR526224	SR-RH-221H.01	S5400	5/23/2007	11/27/1984	55-gallon drum
SR526225	SR-RH-221H.01	S5400	9/23/1997	11/27/1984	55-gallon drum
SR526226	SR-RH-221H.01	S5400	3/18/2008	11/27/1984	55-gallon drum
SR526227	SR-RH-221H.01	S5400	9/23/1997	11/27/1984	55-gallon drum
SR526263	SR-RH-221H.01	S5400	9/23/1997	12/4/1984	55-gallon drum
SR526264	SR-RH-221H.01	S5400	9/25/1997	12/4/1984	55-gallon drum
SR545535	SR-RH-221H.01	S5400	5/23/2007	11/6/1986	55-gallon drum
SR570545	SR-RH-221H.01	S5400	11/27/1990	11/27/1990	55-gallon drum
SR570546	SR-RH-221H.01	S5400	11/27/1990	11/27/1990	55-gallon drum
SR570547	SR-RH-221H.01	S5400	11/28/1990	11/28/1990	55-gallon drum
SR570548	SR-RH-221H.01	S5400	11/27/1990	11/27/1990	55-gallon drum

Date	Note
None	

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: C197
Waste Stream Number(s): SR-RH-221H.01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ✓ TRU Waste Management Program Information ✓ Waste Stream-Specific Information ✓ Additional Information	Category: Published Document or Controlled Database Unpublished Data Internal Procedure or Note ✓ Correspondence Discrepancy
Title of Source Document: Memo to CCP Records re: Addition of Containers to Waste Stream SR-RH-221H.01	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jason Montoya, NA, NA, 6/20/2011	

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR5, PR6, PR7, PR8, WS1, WS2, WS3, WS6, WS8, WS9, WS10, WS11, WS12, S4, S9, S16	Throughout	The purpose of these memoranda is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers. The initial waste stream delineation for RH waste stream SR-RH-221H.01 is documented in AK Summary Report CCP-AK-SRS-600 (Revision 0) and the Attachment 8 Waste Container List prepared initially for this waste stream. This source includes Waste Stream Container Evaluation Memorandum prepared in accordance with CCP-TP-005 to document the evaluation and addition of containers to waste stream SR-RH-221H.01. Each container added will be assessed to assure that the containers are bounded by current AK Summary Report and Attachment 8 for waste stream SR-RH-221H.01 for the following: Waste generation location and process Time period of generation Physical form compared to the assigned Waste Material Parameters and waste matrix code Chemical content Prohibited items Radionuclides

CCP RECORDS ORIGINAL
DATE REC'D 7-7-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: C197

Source Document Data Limitations (if any):

1. Does not include the addition of containers assessed initially during the preparation of AK Summary Report CCP-AK-SRS-600. See Attachment 8 Waste Containers List for waste stream SR-RH-221H.01.

Acceptable Knowlege Expert:

Jason Mateja / Date: 6/20/11

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

WASTE STREAM CONTAINER EVALUATION MEMORANDUM

To: CCP Records

From: Jason Montoya, CCP AKE

Date: June 20, 2011

RE: Addition of Containers to Waste Stream SR-RH-221H.01 – AK Source C197

The purpose of this memorandum is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers. The initial waste stream delineation for RH waste stream SR-RH-221H.01 is documented in AK Summary Report CCP-AK-SRS-600 (Revision 0) and the Attachment 8 Waste Containers List prepared initially for this waste stream. This list identifies the specific containers evaluated and included in this waste stream; in addition to, the projections for future waste stream generation.

AK Source C197 will include Waste Stream Container Evaluation Memorandum prepared in accordance with CCP-TP-005 to document the evaluation and addition of containers to waste stream SR-RH-221H.01. Each container added will be assessed to assure that the containers are bounded by current AK Summary Report and Attachment 8 for waste stream SR-RH-221H.01 for the following:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

Attachment 8 (Waste Containers List) will only be revised if the containers added are not bounded by the waste stream delineated in the attachment. The SPM will be notified of the containers added to the waste stream and the AK Tracking Spreadsheet (AKTSS) will be updated to include these additional containers.

WASTE STREAM CONTAINER EVALUATION MEMORANDUM

To: Irene Joo, CCP SPM

From: Kevin Peters, CCP AKE

Date: September 4, 2013

RE: Addition of 1 Container to Waste Stream SR-RH-221H.01– AK Source C197

The purpose of this memorandum is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers.

This memorandum presents the evaluation of 1 55-gallon drum generated during repackaging of a debris container originally included in CH companion waste stream SR-W027-221H-HET. The repackaging of container SR522596 (originally packaged 7/18/1985 – see attached BGR) to secure scissors and remove valves from containers resulted in the generation of daughter SR522596A (see attached Drum Loading Data Sheets). The resulting drum exceeding 200 mR/hr and was determined to be RH (see attached survey results).

Drum ID	Container Type	Closure Date	Description
SR522596A	55-gallon	3/17/2013	HB-Line Debris Waste

Based on a review of the TRU Drum Packaging Checklist and survey report for this container (attached), the container is bounded by current revision of the AK Summary Report for waste stream SR-RH-221H.01 for the following:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

This waste stream container evaluation memorandum will be added to AK Source C197 for waste stream SR-RH-221H.01 waste stream and the AK Tracking Spreadsheet (AKTSS) will be updated to include these additional containers.

NTPC RECORDS ORIGINAL
DATE REC'D 10/30/13 SP

(Rev 10-81) 1 of 1 RADIOACTIVE SOLID WASTE BURIAL GROUND RECORD (ACCOUNTABILITY)

SOLID WASTE DESCRIPTION *(ORIGINATOR COMPLETES)* 14

CARD CODE: 01 | FILE SEQUENCE NO.: 522596 | DATE SHIPPED: 07 18 85 | SHIPPED FROM BLDG: 221 | AREA: HB

VARIETY CONT (1): 83 | TOTAL QUANTITY (1): 3039 | ISOTOPIC QUANTITY (1): 2369 | UNIT ONE: G | WASTE CONFIG: [redacted] | QUANTITY (2): [redacted] | TYPE CODE: 7

COMB CODE: N | VOLUME: 7 | COMPACTED VOLUME: | DESCRIPTION: DRUM # 2179

HEALTH PROTECTION SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1 MR/L | CURIES ESTIMATED BY: Ted Cheny

BODY RATE TO (UN)LOAD: 1 MR/L | BODY RATE IN CAB: <1 MR/L | CUSTODIAN (AUTHORIZATION FOR BURIAL): Ted Cheny

SURVEYED BY: TWalk | DATE AUTHORIZED: 7-16-85

T & T

TRANSPORTED BY: ATM

VEHICLE NO.: 2354

Whitney

541192

ER

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

Ted Cheny (AUTHORIZED SIGNATURE) 7/12/85 (DATE) 8119 (TELEPHONE NO.)

REMARKS

TRU WASTE - RETRIEVABLE STORAGE.

WC. WACKWAY MATL -

WASTE BURIAL DESCRIPTION *(BURIAL GROUND SUPERVISOR COMPLETES)*

CARD CODE: 02 | FILE SEQUENCE NO.: 522596 | DATE BURIED: 07 19 85 | N COORDINATE: XXXXXX

BURIAL LOCATION Y COORDINATE: YYYYYY | BURL CODE: 4 | CONTAINER NUMBER: 324 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION:

DESCRIPTION, CONTD:

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Attachment 8.5
7A Type A 55-Gallon Drum Loading Data Sheet
Page 1 of 1

PO Number AC82123A

1. Drum Container ID: SA522596A Inner Container ID(s): SA522596
2. TRU Container ID: TACUL 976D Drum Type: 55 / 85 / 110 Gallon 85
   RCRA: (Yes) / No PCBs: Yes / (No) Be: (Yes) / No
3. Pu-239 FGE: 7.580 Pu-239 PEC: 369.628
4. Filter Torque Wrench ID: FV900 Cal. Due Date: 4-24-13
5. Filter Type/Serial Number/Manufacturer Date/ Torque Value (Filter vents must be LESS THAN 5 years old)

Filter Type	Serial Number	Manufacturer's Date	Torque Value
NucFil 016SSHP	FL-229	6/11	12
NucFil 019DS	GL-806	7/11	12

6. Closure Torque Wrench ID: HV 648 Cal. Due Date: 11-8-13
7. Date Lid Was Closed: 3-7-13
8. Container Integrity: ☒ ~~Sat~~ ☐ Unsat

9. Dynamometer/Scale ID Used to Weigh 7A Type A 55-Gallon Drum: 141998 Cal. Due Date: 5-31-13
10. Weight of Drum 209 Lbs
11. Weight of absorbent 0 Lbs Type of Absorbent N/A

PEER INSPECTION HOLD POINT

12. ($)(P&T) **ENSURE** that there is at least one NucFil-016SSHP and NucFil-019DS filter vents installed.
    [HC, SAC 5.7.2.27.a] [S-OSA-G-00003, 4.30]

Item Acceptability (Circle One) (Pass) / Fail

Peer Inspector Print Name	Peer Inspector Signature	Date	Time	Initials
[illegible]	[illegible]	3-7-13	0956	JMC

13. **CHECK** all applicable prohibited items:
    ___ Pressurized Container (Non-aerosol) ___ Containerized Liquids
    ___ Unpunctured Aerosol Cans ✓ Other

JMC Initials

14. **RECORD** liquid waste volume %: 0 %

JMC Initials SPV

15. Contains (Unvented) Non-Compliant or High PEC Container Inside Compliant Overpack? Yes / (No)

JMC Initials SPV

Contents: 2 small containers ½" x 3½. One Container had Top handle removed and also a small valve removed, Scissors taped to the side of Container 2nd Container ½ x 3½, Removed Gravel & Water, All items Placed in 5 Gallon Pail Placed into 7A-55 Gallon drum with waste on top & Bottom. 7A-55 Placed into 7A Type B 85 Gallon drum, wood Based upon process knowledge and physical Attributes of the Cans/Items Found in SA522596 Are considered waste

Completed By:				
FLM Signature	FLM Print Name	Date	Time	
[illegible]	[illegible]	3-7-13	11:25	

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Attachment 8.5
7A Type A 55-Gallon Drum Loading Data Sheet
Page 1 of 1

PO Number AC82123A

1. Drum Container ID: SA582596A Inner Container ID(s): SA582596
2. TRU Container ID: TACUL 976D Drum Type: 55 / 85 / 110 Gallon 55
   RCRA: (Yes) / No PCBs: Yes / (No) Be: (Yes) / No
3. Pu-239 FGE: 7.580 Pu-239 PEC: 369.628
4. Filter Torque Wrench ID: FV900 Cal. Due Date: 4-24-13
5. Filter Type/Serial Number/Manufacturer Date/ Torque Value (Filter vents must be LESS THAN 5 years old)

Filter Type	Serial Number	Manufacturer's Date	Torque Value
NucFil 016SSHP	FL307	5/11	12
NucFil 019DS	HM665	8/12	12

6. Closure Torque Wrench ID: HV648 Cal. Due Date: 11-8-13
7. Date Lid Was Closed: 3-7-13
8. Container Integrity: ☑ Sat ☐ Unsat
9. Dynamometer/Scale ID Used to Weigh 7A Type A 55-Gallon Drum: 141998 Cal. Due Date: 5-31-13
10. Weight of Drum 209 Lbs
11. Weight of absorbent 0 Lbs Type of Absorbent N/A

PEER INSPECTION HOLD POINT

12. (S)(P&T) ENSURE that there is at least one NucFil-016SSHP and NucFil-019DS filter vents installed. [HC, SAC 5.7.2.27.a] [S-OSA-G-00003, 4.30]

Ray Vermeulen — Peer Inspector Print Name
Item Acceptability (Circle One) (Pass) / Fail
Peer Inspector Signature
3-7-13 — Date
JMC — Initials
0935 — Time

13. CHECK all applicable prohibited items:
   ___ Pressurized Container (Non-aerosol)
   ___ Unpunctured Aerosol Cans
   ___ Containerized Liquids
   ✓ Other

JMC — Initials
SPV

14. RECORD liquid waste volume %: 0 %

JMC — Initials
SPV

15. Contains (Unvented) Non-Compliant or High PEC Container Inside Compliant Overpack? Yes / (No)

Contents: 2 small containers 5" x 3½. One Container had Top handle removed and also a small valve removed, Scissors taped to the side of Container One Container 5" x 3½, Removed Grease and Valve, All Items placed in 5 Gallon Pail and loaded into 7A-55 Container waste placed in bottom and Top of Drum (Suite 1 Hose) - Used. Based upon process knowledge and physical Attributes of the Cans/Items Found in SA582596 Are Considered waste.

Completed By:
FLM Signature
M. McLeod — FLM Print Name
3-7-13 — Date
11:25 — Time

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VSDS Standard Map RSLS

Survey CANY-M-20130307-5

General Information

Title: HCA - Load Out 6 SWB's and 1 Drum from Concrete Culvert# TRCUL976D in the Truckwell

Survey Date/Time: 03/07/2013 07:33 | Lead Inspector: WOOD, JAMES MACKLIN

Survey Type: Job Coverage | Work Order/Task #: N/A

Counted By: Facility Inspector | KCN: B0341

RWP #: 13-HCA-122

Facility: HCA

Status: Approved by: WILLIAMS, SHANNON ERNEST, 03/07/2013 | Ready For Review by: WOOD, JAMES MACKLIN, 03/07/2013

Additional Inspectors

Inspector	Cmp Alt	Approve
BOUKNIGHT, JANICE MARIE	L1383	☑
CARTRETT, STEPHEN LAMAR	W5641	☑
FAIRBURN, CHARLES A.	B2342	☑

Dose Rate (DR) Options: Prefixes/Suffixes

Dose Rates with Prefixes:	Dose Rates with No Prefixes:	Default Prefixes:	Default Suffixes:
E = Extrem	W Body	HS = Hot Spot	"n" = Neutron
S = Skin			"b" = Beta
			"c" = Corrected

Postings Legend

ARA=Airborne Radioactivity Area | DANGER=Danger | HRA=High Radiation Area

CA=Contamination Area | HCA=High Contamination Area

Instruments Used

#	Instrument Model	Instrument Serial #
1	12-110	CMC004469
2	12-Alpha	CMC006845
3	RO-20	CMC008170
4	ASP-2S1/NRD	CMC011714
5	HandECount	CMC005970
6	HandECount	CMC004640
7	HandECount	CMC010751
8	HandECount	CMC002730

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Comments:

Surveyed to load (6) SWB's and 1 Overpack Drum from Concrete Culvert# TRCUL 976D in the Truckwell and cleared SWB's and Overpack Drum for shipment back to E - AREA.

Survey of Truckwell and Airlock.

Maximum transferable contamination found in the Truckwell was **4000** dpm / 100 cm2 Alpha and **10,000** dpm / 100 cm2 Beta-Gamma on the uncovered Truckwell floor. Maximum air activity was **ND** DAC-hr Alpha and **ND** DAC-hr FP detected on job sample in Truckwell, source air sample in the Airlock, and the boundary air sample in the Truckwell Airlock vestibule. The Canberra CAM in the Truckwell Airlock showed no increase in air activity during the job. The Truckwell airlock was removed from ARA after a full 30 minute count cycle on the Canberra CAM showed no increase in air activity.
All workers were surveyed prior to removing respiratory protection with ND dpm Alpha and BG / 100 cm2 detected.
The Truckwell Airlock was reposted as a "DANGER/ CA / HRA."

SWB & Overpack Drum Survey.

All smears on SWB's and the Overpack Drum was <20 d/m alpha and <200 d/m bg / 100 cm2.

SWB'S

WMAPSWB593 36 mREM/HR ext. with 28 mrem/hr neutrons AND 20 mREM/HR WB with 15 mrem/hr neutrons.
WMAPSWB594 22 mREM/HR ext. with 20 mrem/hr neutrons AND 11 mREM/HR WB with 10 mrem/hr neutrons.
WMAPSWB595 14 mREM/HR ext. with 8 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.
WMAPSWB596 17 mREM/HR ext. with 10 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons
WMAPSWB597 40 mREM/HR ext. with 25 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.
WMAPSWB598 29 mREM/HR ext. with 18 mrem/hr neutrons AND 3 mREM/HR WB with 2 mrem/hr neutrons.

Overpack Drum

SR522596A 276 mREM/HR ext. with 260 mrem/hr neutrons AND 120 mREM/HR WB with 110 mrem/hr neutrons.

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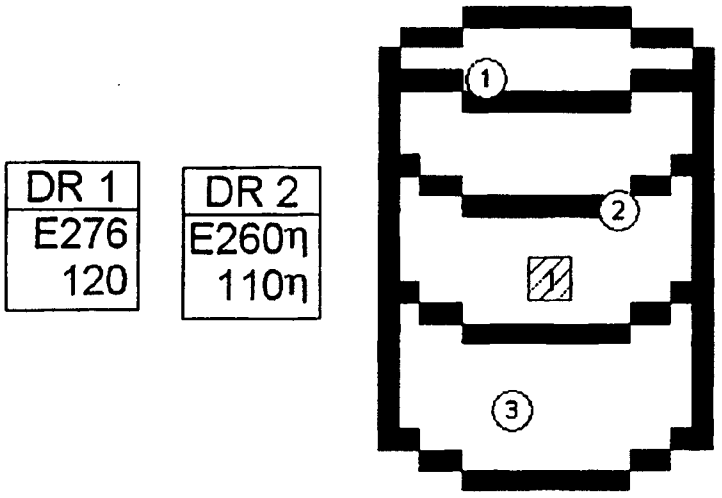
VSDS Standard Map RSLS

Map: 3	TRUCKWELL BLANK MAP	Survey #: CANY-M-20130307-5	Date/Time: 03/07/2013 07:33

1 Drum



Comments:	Summary (Highest Readings) (All available values may not be listed)	
	3) <20 DPM/100 cm2 α 3) <200 DPM/100 cm2 β/γ	Wipe 1) ND DPM/Wipe α Wipe 1) ND DPM/Wipe β/γ
Type: Job Coverage		
Symbol Legend (not all may be used): RWP #: 13-HCA-122 15 Smear 15 Direct Probe Large Area DR Dose Rate 15 Air Sample		
Unless otherwise noted, dose rates in mrem/hr.		
Lead Inspector: WOOD, JAMES MACKLIN	Status: Approved by: WILLIAMS, SHANNON ERNEST, 03/07/2013	
Location Code: H221000 HCA	Bldg/Area Name: TRUCKWELL	
Location Description: BLANK MAP		

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Attachment 8–Waste Containers List–Example Form

(This attachment may be provided in a different format)

Site(s): Savannah River Site

Waste Stream Number(s): SR-RH-SDD.01

Waste Stream Description: Building 777-10A Physics Laboratory PuBe Neutron Sources

Number of Waste Containers in Waste Stream: Currently stored in 3 SWBs to be repackaged in 2 15-gallon drums and 1 16-gallon drum

Total Existing Volume (m^3): 0.17 cubic meters (once packaged)

Is waste expected to be generated in the future?: No

If yes, Estimated Future Volume (m^3): NA

Assumptions: Assumes that the sources will be packaged into 15- and 16-gallon drums, containers below are current SWB to be repackaged, generation dates are the dates that the sources were placed into the SWBs for storage.

Waste Stream Container Evaluation Memo(s) for Added Containers: Memo to be attached for final waste drums

Container Identification Number	Generation Date	Generation Point
SDD076307–Source M029	1/17/2007	Building 777-10A Physics Laboratory
SDD076308–Source M044	1/17/2007	Building 777-10A Physics Laboratory
SDD076309–Source M045	1/18/2007	Building 777-10A Physics Laboratory

Acceptable Knowledge Expert: Kevin J. Peters / [signature] Date: 6/28/2013
Print Sign

NTPC RECORDS ORIGINAL
DATE REC'D 9/10/13

WASTE STREAM CONTAINER EVALUATION MEMORANDUM

To: Irene Joo, CCP SPM

From: Kevin Peters, CCP AKE

Date: October 18, 2013

RE: Addition of 3 Containers to Waste Stream SR-RH-SDD.01

The purpose of this memorandum is to satisfy the requirements of CCP AK Documentation procedure (CCP-TP-005) for updating AK for additional waste stream containers.

This memorandum presents the evaluation of 3 drums generated during the repackaging of three neutron sources packaged originally in SWBs described in AK Summary Report CCP-AK-SRS-630 in waste stream SR-RH-SDD.01. Irene Joo provided the Visual Examination Data Forms for the following 15- and 16-gallon drums containing the special form capsules included in this waste stream.

Drum ID	Container Type	Closure Date	Description
SDD076307	16-gallon	8/6/2013	Building 777-10A PuBe neutron sources
SDD076308	15-gallon	8/7/2013	Building 777-10A PuBe neutron sources
SDD076309	15-gallon	8/7/2013	Building 777-10A PuBe neutron sources

Based on a review Visual Examination Data Forms for the above drums, the containers are bounded by current revision of the AK Summary Report for waste stream SR-RH-SDD.01 for the following:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

This waste stream container evaluation memorandum will be attached to the current Attachment 8 – Waste Container List for waste stream SR-RH-SDD.01 and the AK Tracking Spreadsheet (AKTSS) will be updated to include these containers.

NTPC RECORDS ORIGINAL
DATE REC'D 10/28/13 SP

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PAGE

Attachment 8 - Waste Containers

Site(s):	Savannah River Site
Waste Stream Number(s):	SR-W027-321-322M-HET, SR-W027-321M-HOM
Waste Stream Description:	Target Tube Fabrication Debris Waste, Absorbed Billet Lubricating Oil
Number of Waste Containers in All Waste Stream:	SR-W027-321-322M-HET: 21 containers SR-W027-321M-HOM: 1 container Total Containers = 22
Total Existing Volume (m^3):	SR-W027-321-322M-HET: 4.41 m^3 SR-W027-321M-HOM: 0.208 m^3 Total Volume = 4.62 m^3
Is waste expected to be generated in the future?	No
If yes, Estimated Future Volume (m^3):	N/A
Assumptions:	TRU waste will not be generated in the future, however, one existing drum from Building 322-M may be added to this waste stream.
Waste Stream Container Evalution Memo(s) for Added Containers:	None
Acceptable Knowledge Expert:	Allen Dickerson (Print) (Sign) 10/30/2013 (Date)

Container Identification Number	Generation Date	Generation Point
See Attached Waste Containers List		

NTPC RECORDS ORIGINAL
DATE REC'D 10/30/13 SP

Attachment 8 - Waste Containers

Waste Streams SR-W027-321-322M-HET and SR-W027-321M-HOM

CONTAINER ID	WASTE STREAM	GENERATOR	CONTAINER TYPE	CLOSURE DATE	CLOSURE DATE 1	VENT DATE	VENT DATE 1
SR500174	SR-W027-321M-HOM	321-M	55-Gallon Drum	5/8/1975	8/7/2008	11/15/2007	8/7/2008
SR500175X	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1975	NA	11/14/2007	NA
SR500175Y	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1975	NA	11/15/2007	NA
SR500175Z	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1975	NA	11/14/2007	NA
SR505375	SR-W027-321-322M-HET	321-M	55-Gallon Drum	11/17/1977	NA	11/17/1977	NA
SR508802	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/19/1998	NA
SR508804	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/24/1998	NA
SR508805	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/24/1998	NA
SR508806	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/19/1998	NA
SR508807	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/23/1998	NA
SR508808	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/24/1998	NA
SR508809	SR-W027-321-322M-HET	321-M	55-Gallon Drum	5/8/1980	NA	2/24/1998	NA
SR515740	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	4/6/1998	NA
SR515741	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	5/7/2009	NA
SR515742	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	4/13/1998	NA
SR515743	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	3/26/1998	NA
SR515744	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	5/19/2009	NA
SR515745	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	5/26/2009	NA
SR515746	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	4/16/1998	NA
SR515747	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	3/26/1998	NA
SR515748	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	5/27/2009	NA
SR515749	SR-W027-321-322M-HET	321-M	55-Gallon Drum	6/19/1980	NA	3/26/1998	NA

SRS-14

Notes

Date	Comments
11/6/2012	Added container SR505375 per email from Jim Schoen

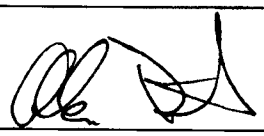
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: DR005
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☑ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a] : Discrepancy Resolution to assign a container designated by SRS as Waste Stream SR-SWMF-HET-B to SR-SWMF-SOIL and a container designated as Waste Stream SR-SWMF-SOIL to SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): NA, NA, 02/29/2012	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS1, WS2, WS6, WS10, S9, S16	Throughout	Nature of Discrepancy: Container SR108180 was characterized by SRS as soil generated from spills at 643G, while container SR108164 was characterized by SRS as debris from 643G (references C063 and M025). However, recently acquired RTR Quick Screen Data Sheets for waste streams SR-SWMF-HET-B and SR-SWMF-SOIL indicate that drum SR108180 contains debris and drum SR108164 contains soil (References M027 and M028). Resolution: In accordance to CCP Acceptable Knowledge Documentation, CCP-TP-005, a review of AK was completed to determine the appropriate assignment of these containers to waste streams in the AK Report (Reference CCP-AK-SRS-12, Rev. 5). Based on the RTR Quick Scan Data, drum SR108180 will be assigned to waste stream SR-SWMF-HET-B and drum SR108164 will be assigned to waste stream SR-SWMF-SOIL.

CCP RECORDS ORIGINAL
DATE REC'D 1.4.13

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: DR005
Source Document Data Limitations (if any): 1. None	
Acceptable Knowlege Expert: Allen Dickerson /  Print /Sign	Date: 12/21/2012

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Characterization Issues Associated with Containers SR108180 and SR108164

Waste Stream Number(s): SR-SWMF-HET-B, SR-SWMF-SOIL

Waste Stream Description: Debris Waste from Cleanup and Remediation of Spills in and Around the E-Area of the SRS SWMF, Soils Resulting From Cleanup and Remediation of Spills in and Around the E-Area of the SRS SWMF`

AK Source Document Discrepancy Form Tracking Number: DR005							
Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
C063	Corr.	Email from Jeff Lunsford to Jim Schoen, Subject: Fw MORE Info Regarding Use of 643-G TRU Waste	N/A	Jeff Lunsford	09/21/2011	N/A	All
M025	Unpub.	Go West Database Query	N/A	N/A	01/31/2010, 03/14/2011	N/A	All
M027	Unpub.	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-HET-B	N/A	N/A	Various	N/A	All
M028	Unpub.	RTR Quick Screen Data Sheets for Waste Stream SR-SWMF-SOIL	N/A	N/A	Various	N/A	All
N/A	Pub.	CCP Acceptable Knowledge Summary Report for Savannah River Site	CCP-AK-SRS-12, Rev. 5	CCP	TBD	CCP	Sections 6.4.1 and 7.4.1

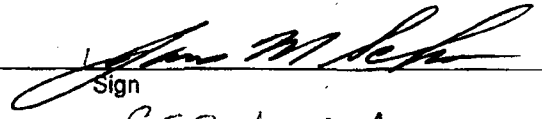
Nature of Discrepancy:

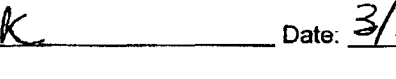
Container SR108180 was characterized by SRS as soil generated from spills at 643G, while container SR108164 was characterized by SRS as debris from 643G (references C063 and M025). However, recently acquired RTR Quick Screen Data Sheets for waste streams SR-SWMF-HET-B and SR-SWMF-SOIL indicate that drum SR108180 contains debris and drum SR108164 contains soil (References M027 and M028).

Resolution:

In accordance to CCP Acceptable Knowledge Documentation, CCP-TP-005, a review of AK was completed to determine the appropriate assignment of these containers to waste streams in the AK Report (Reference CCP-AK-SRS-12, Rev. 5). Based on the RTR Quick Scan Data, drum SR108180 will be assigned to waste stream SR-SWMF-HET-B and drum SR108164 will be assigned to waste stream SR-SWMF-SOIL.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: James M. Schoen (Print)  (Sign) Date: 02/29/2012

Site Project Manager: Beverly Schrock (Print)  (Sign) Date: 3/5/12

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

BEST AVAILABLE COPY

Jim Schoen

From: gilmore.lunsford@srs.gov
Sent: Wednesday, September 21, 2011 1:29 PM
To: Jim Schoen
Cc: mj_papp@msn.com
Subject: Fw: MORE Info Regarding Use of "643-G" TRU Waste
Attachments: 643G_WasteStreamDileneations.xlsm

Jim, here's a starting point at least. Let's talk as needed to polish this stuff into a diamond.

gfl

Sort Code #1 Discussion

These containers were generated from retrieval of a leaking TRU waste container stored on TRU Pad 2 as described in DPSP 79-1-8. The leaking container had been suspected (as evidenced by "low level alpha contamination detected in the pad drainage collection sump shortly after it was stored") since September 1976. It was not found and retrieved until August 1979 (Ref.: DPSP 79-1-8 and Savannah River Plant (SRP) Burial Ground Building 643-G Appraisal Audit).

Sort Code #2 Discussion

Based on the close proximity of the Incident Date (as described in DPSPU 76-272-367, "Separations Incident, SI-76-108") to the date on the burial ground record it is believed this waste resulted from clean-up / remediation activities. The debris waste in this stream) described as "Waste from 100T Low Boy" is consistent with the mention of a low-boy trailer that was contaminated. The contaminated soil would have resulted from the clean-up of approximately 10 sq. feet of soil as described in the incident report.

Sort Code #3 Discussion

Two separate spills on TRU Pad 3 (October 1976) as described in DPSPU-76-272-448; Separations Incident, SI-76-10-150 and DPSPU-76-272-454; Separations Incident, SI-76-153. The burial ground record describes "Concrete form Pad 3" and that waste form is consistent with descriptions in monthly reports DPSP 76-1-10 and DPSP 76-1-11 dated October and November respectively. Two containers in this "Sort Code" also describe "Waste From Low-Boy" however we are unable to substantiate this with documentation. It is quite likely that a transport trailer (Low-Boy) was contaminated during the remediation activities and generated the TRU waste described.

Sort Code #4 Discussion

This waste was generated from a tank closure activity from a series of UGTs in the 643-G facility. Prior to emptying, the tanks held spent Purex solvent. This activity required triple rinse (with water)of the tanks prior to closure. Between / during rinsing operations the rinse water was filter through mesh type filter to extend rinse water life. The filter media was thought to be cloth. These drums are lead-lined to mitigate gamma dose rate. One engineer "remembered" that some dose rates (unshielded) were approximately 1 Rem/hour. This waste need to be further evaluated for RH / CH determination.

Sort Code #5 Discussion

On or about January 25, 1990 the SRS was RCRA compliant with respect to managing rags contaminated with solvents (requiring assignment of RCRA Listed Hazardous Waste Codes) as mixed waste. Some waste received into the 643-G facility (after January 25, 1990) in B-25 containers as low-level waste was in fact packaged by the waste generating facilities prior to the January 20, 1990 date. Since the waste was packaged prior to the compliance date, it could not be assured that the rags / wipes did not warrant assignment of listed waste codes and thus were not eligible for disposal at the 643-G TSD facility as low-level waste. Because of the indeterminate status of this waste, the B-25 containers were opened and waste that could be shredded was segregated, shredded and assayed with the intention of sending the waste the the SRS Consolidated Incineration Facility (mixed waste treatment facility) for incineration. Based on the assay

results, some waste was not eligible for treatment as mixed waste and placed into storage as mix TRU waste.

Sort Code #6 Discussion

This drum contains a source all will be inserted into SRS-13, HET-A.

Bar Code	Generator	Date Generated	AKReport ID	Waste Stream	CH / RH	Rad Rate	SumCat	Container Type
SR108165	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108166	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108167	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	1	S4000	55-GAL DRUM (A,7A)
SR108168	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	1	S4000	55-GAL DRUM (A,7A)
SR108169	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108170	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108171	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108172	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S5000	55-GAL DRUM (A,7A)
SR108172A	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108173	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108174	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108175	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108179	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108180	643 G	8/27/1979	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR108164	643 G	8/27/1979	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR89797	643 G	8/10/1976	CCP-AK-SRS-0012	SR-SWMF-SOIL	_CH	0	S4000	55-GAL DRUM (A,7A)
SR79177	643 G	8/31/1976	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR79178	643 G	8/31/1976	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	1	S5000	55-GAL DRUM (A,7A)
SR79179	643 G	8/31/1976	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR79182	643 G	8/31/1976	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR79150	643 G	3/4/1977	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR92624	643 G	2/10/1977	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR92625	643 G	2/10/1977	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR607474	643 G	9/7/1995	CCP-AK-SRS-0640	SR-RH-SWD 01	_RH		S5000	55-GAL DRUM (A,7A)
SR607480	643 G	12/15/1995	CCP-AK-SRS-0640	SR-RH-SWD 01	_RH		S5000	55-GAL DRUM (A,7A)
SR607482	643 G	12/15/1995	CCP-AK-SRS-0640	SR-RH-SWD 01	_RH		S5000	55-GAL DRUM (A,7A)
SR607484	643 G	12/15/1995	CCP-AK-SRS-0640	SR-RH-SWD 01	_RH		S5000	55-GAL DRUM (A,7A)
SR607486	643 G	12/15/1995	CCP-AK-SRS-0640	SR-RH-SWD 01	_RH		S5000	55-GAL DRUM (A,7A)
SR611646	643 G	11/13/1997	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR611647	643 G	11/13/1997	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR611648	643 G	11/13/1997	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR611649	643 G	11/13/1997	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR611650	643 G	11/13/1997	CCP-AK-SRS-0012	SR-W027-643G-HET	_CH	0	S5000	55-GAL DRUM (A,7A)
SR571591	643 G	5/9/1996	CCP-AK-SRS-0013	SR-SDD-HET-A	_CH		S5000	110 GALLON CS UN1A2/Y409/S/99

Container Volume (Cubic Meters)	Waste Description	General Comments	Sort Code
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL. The contents of container ID SR108172 were split between two 55-gallon drums during drum remediation		1
0.208	The contents of container ID SR108172 were split between two 55-gallon drums *during drum remediation*		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	SOIL AND GRAVEL		1
0.208	JOB CONTROL WASTE		1
0.208	SOIL FROM #2 BURIAL		2
0.208	WASTE FROM 100T LOW BOY		2
0.208	WASTE FROM 100T LOW BOY		2
0.208	WASTE FROM 100T LOW BOY		2
0.208	WASTE FROM 100T LOW BOY		2
0.208	CONCRETE FROM PAD 3		3
0.208	WASTE FROM LOWBOY		3
0.208	WASTE FROM LOWBOY		3
0.208	BAG FILTERS TQIE PU-239 1.48G NP-237 0.27 Lead Lined Drum		4
0.208	BAG FILTER TQIE 3.64 TQIE 3.52 TQIE 0.36 Lead Lined Drum		4
0.208	BAG FILTER TQIE 0.053 IQIE 0.026 Lead Lined Drum		4
0.208	BAG FILTER TQIE 3.64 TQIE 3.52 IQIE 0.36 Lead Lined Drum		4
0.208	BAG FILTER TQIE 0.053 IQIE 0.026 Lead Lined Drum		4
0.208	315367-J 315367-	BGR 315367 HBL	5
0.208	315367-H 315367-	BGR 315367 HBL	5
0.208	315367-C 315367-	BGR 315367 HBL	5
0.208	315367-I 315367-	BGR 315367 HBL	5
0.208	315367-K	BGR 315367 HBL	5
0.42	AIKEN TECH SOURCE - waste is actually in a 110-gallon drum		6

ATTACHMENT 2
RTR QUICK SCREEN DATA SHEET

Page 12 of 14

Container ID: SR108180

Was RTR able To Penetrate? ☑ Yes ☐ No
Any Prohibited Items Noted? ☑ Yes ☐ No

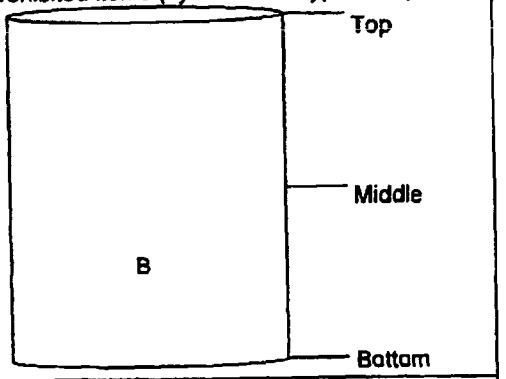
Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A

S Is there a hole in the liner lid? ☐ Yes ☐ No ☑ N/A

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid	(B.) Unpunctured Aerosol Can
C. Liquid In Closed Container	D. Free Liquid
E. Sealed Container > 4 liter	F. Indication of PCB
G. Liquid in Sealed Bag	
I. Other (specify)	
II.	

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No
If YES, describe the location and type of sharps in the remarks section.

NOTE: If hole in liner was verified, **THEN STAGE** drum per SWO Supervision Direction.

S Contents: (Check any box that applies) % Full 50

☐ Plastic suit and hoses ☑ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present, use the table below

If free liquid is present, Record the approximate amount: N/A Gallons.

Container # (i.e. C1, C2, C3, etc)	Estimated Liquid Amount (Oz)	Container Description (1/2 gal. Carton, 1 qt metal can, test tube, 50 ml poly bottle, etc)
	Total =	

Remarks: ~~N/A~~ mgs 10/10/07 mgs 10/10/07
55 gal. metal drum with liner and liner lid inside of 85 gal. overpack

Completed By: Maria L. Steade — Maria L. Steade — 10/10/07
Signature — Printed Name — Date

SWO Supervision Review By: H. Marcano — H. Marcano — 10/10/07
Signature — Printed Name — Date

ATTACHMENT 2

RTR Quick Screen Data Sheet

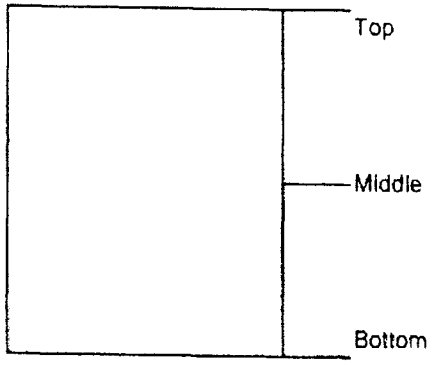
Container ID SR92625

Is the Drum lid Vented?	✓ Yes	No (Blue/White)	
Is a mechanical vent through the liner lid?	✓ Yes	No	N/A
Is there a hole in the liner lid?	Yes	No (Blue/White)	✓ N/A
~~Was Drum created after 9/30/90?~~	~~Yes~~	~~No (Notify SWO as applicable)~~	

Was RTR able To Penetrate? ✓ Yes No (Green/White)

Any Prohibited Items Noted? Yes ✓ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ✓ No

Does drum contain sharp objects? Yes ✓ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container > 1 inch (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials N/A

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 70

✓ Absorbents	Metal Cans	Scrap Metal	Motors	Plastic suit and hoses	Plastic Containers	✓ Plastics	Cardboard	Coveralls
Lead Gloves	Hand Tools	Mop Handles	Brushes	Nuts/Bolts/Washers	Power Tools	Tape	Scissors	Flashlights
				Aerosol Can Breached	Saw Blades	Nails	Impenetrable Container	

Does drum contain free liquid? Yes ✓ No If Yes, Record the approximate amount of free liquid: N/A Gallons

Remarks: SEVERAL SPOTS THAT LOOK LIKE FREE LIQUID , HOWEVER THEY WILL NOT MOVE.

Completed By:

Kenneth L Brown
Signature

Kenneth L. Brown
Print Name

7/7/2004
Date

SWO Supervision Reviewed By:

J. P. Peek
Signature

J. P. PEEK
Print Name

7/8/04
Date

IPC-1

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004599.pdf

ATTACHMENT 2

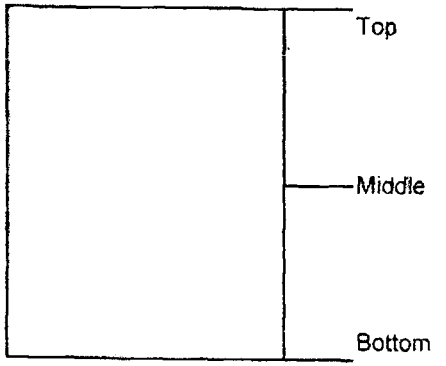
RTR Quick Screen Data Sheet

Container ID SR92624

Is the Drum lid Vented?	☑ Yes	☐ No (Blue/White)	
Is a mechanical vent through the liner lid?	☑ Yes	☐ No	☐ N/A
Is there a hole in the liner lid?	☐ Yes	☐ No (Blue/White)	☑ N/A
~~Was Drum created after 9/30/96?~~	~~☐ Yes~~	~~☐ No (Notify SWO as applicable)~~	

Was RTR able To Penetrate? ☑ Yes ☐ No (Green/White)
Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container > 1 inch (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)

Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials N/A

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 50

☐ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Power Tools ☐ Saw Blades ☐ Tape ☐ Nails ☐ Scissors ☐ Impenetrable Container ☐ Flashlights

Does drum contain free liquid? ☐ Yes ☑ No If Yes, Record the approximate amount of free liquid: N/A ___ Gallons

Remarks: RUBBER GLOVES

Completed By:

Kenneth L. Brown — Signature
Kenneth L. Brown — Print Name
7/7/2004 — Date

SWO Supervision Reviewed By:

J. L. Peek — Signature
J. L. Peek — Print Name
7/8/04 — Date

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004592.pdf

ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR79182

Is the Drum lid Vented?	✔ Yes	No (Blue/White)	
Is a mechanical vent through the liner lid?	✔ Yes	No	N/A
Is there a hole in the liner lid?	Yes	No (Blue/White)	✔ N/A
~~Was Drum created after 9/30/96?~~	~~Yes~~	~~No (Notify SWO as applicable)~~	

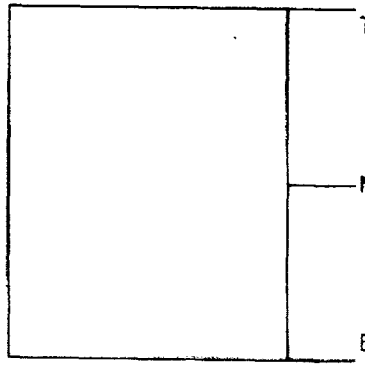
Was RTR able To Penetrate? ☑ Yes ☐ No (Green/White)

Any Prohibited Items Noted? ☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container > 1 inch (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials N/A

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 70

☑ Plastic suit and hoses ☐ Plastic Containers ✔ Plastics ☐ Cardboard ☐ Coveralls
☐ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

Does drum contain free liquid? ☐ Yes ☑ No If Yes, Record the approximate amount of free liquid N/A Gallons

Remarks:

Completed By:

Kenneth L Brown — Signature | Kenneth L. Brown — Print Name | 7/7/2004 — Date

SWO Supervision Reviewed By:

J L Peek — Signature | J. L. Peek — Print Name | 7/8/04 — Date

IPC-1

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ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR79179

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)

Is a mechanical vent through the liner lid? ☐ Yes ☑ No N/A

Is there a hole in the liner lid? ☐ Yes ☑ No (Blue/White) N/A

~~Was Drum created after 9/30/96?~~ ~~Yes No (Notify SWO as applicable)~~

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container > 1 inch (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)

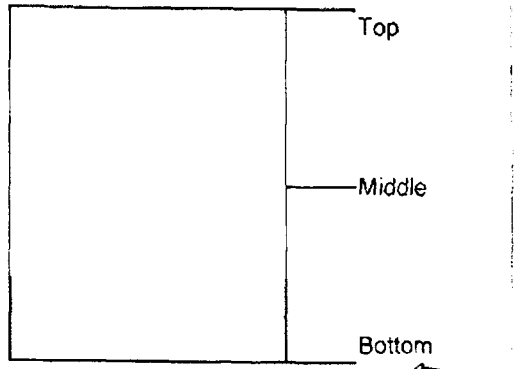
Was RTR able To Penetrate? ☑ Yes ☐ No (Green/White)

Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)

Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No



IPC-1

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

Absorbents ☑ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Plastic suit and hoses ☐ Power Tools ☐ Plastic Containers ☑ Plastics ☐ Tape ☐ Cardboard ☐ Scissors ☐ Coveralls ☐ Flashlights

☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

Does drum contain free liquid? ☐ Yes ☑ No If Yes, Record the approximate amount of free liquid: N/A Gallons

Remarks:

Completed By:

Kenneth L. Brown — Signature

Kenneth L. Brown — Print Name

7/7/2004 — Date

SWO Supervision Reviewed By:

J. P. Rule — Signature

J. B. Rouse — Print Name

7/8/04 — Date

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8 3/9/12

ATTACHMENT 2

RTR Quick Screen Data Sheet

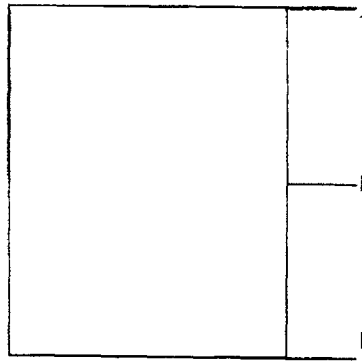
Container ID SR79178

Is the Drum lid Vented?	☑ Yes	No (Blue/White)	
Is a mechanical vent through the liner lid?	☑ Yes	No	N/A
Is there a hole in the liner lid?	☐ Yes	No (Blue/White)	☑ N/A
~~Was Drum created after 9/30/96?~~	~~☐ Yes~~	~~No (Notify SWO as applicable)~~	

Was RTR able To Penetrate? ☑ Yes No (Green/White)

Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container > 1 inch (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)

Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials N/A

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 70

☐ Absorbents	☑ Metal Cans	☑ Scrap Metal	☐ Motors	☐ Nuts/Bolts/Washers	☑ Plastic suit and hoses	Plastic Containers	☑ Plastics	Cardboard	Coveralls
☐ Lead Gloves	Hand Tools	Mop Handles	Brushes	☐ Aerosol Can Breached	☐ Saw Blades	Power Tools	Tape	Scissors	Flashlights
						Nails			Impenetrable Container

Does drum contain free liquid? Yes ☑ No If Yes, Record the approximate amount of free liquid N/A Gallons

Remarks:

Completed By:

Kenneth L. Brown
Signature

Kenneth L. Brown
Print Name

7/7/2004
Date

SWO Supervision Reviewed By:

J. P. Peek
Signature

J. P. PEEK
Print Name

7/8/04
Date

IPC-1

BEST AVAILABLE
8 3/9/12

ATTACHMENT 1
DRUM PROHIBITED ITEMS DATA SHEET

Page 4 of 11

Container ID: SR79177

Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A

Is there a hole in the liner lid? ☐ Yes ☐ No ☑ N/A

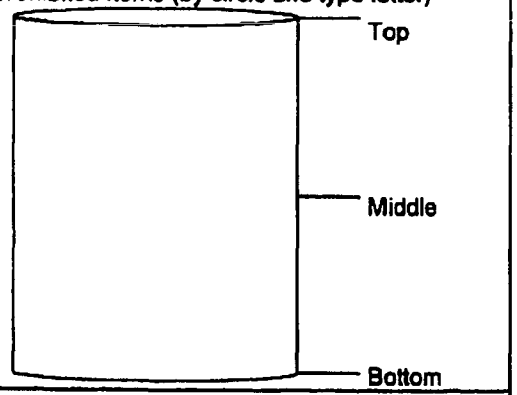
Was RTR able To Penetrate? ☑ Yes ☐ No

Any Prohibited Items Noted? ☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid	B. Unpunctured Aerosol Can
C. Liquid In Closed Container	D. Free Liquid
E. Sealed Container > 4 liter	F. Indication of PCB
G. Liquid In Sealed Bag	H. Indication of Pressure Relief Valve
I. Other (specify)	

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

If YES, describe the location and type of sharps in the remarks section.

Contents: (Check any box that applies) % Full 90

☑ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☑ Cardboard ☐ Coveralls

☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights

☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present, use the table below

If free liquid is present, Record the approximate amount: N/A Gallons.

Container # (i.e. C1, C2, C3, etc)	Estimated Liquid Amount (Oz)	Container Description (1/2 gal. Carton, 1 qt metal can, test tube, 50 ml poly bottle, etc)
		N/A
	Total =	

Remarks: Inner 55 gallon drum is vented

Completed By: David A. McCoy 11/19/10

Signature | Printed Name | Date

SWO Supervision Review By: BC Rowland 11/19/10

Signature | Printed Name | Date

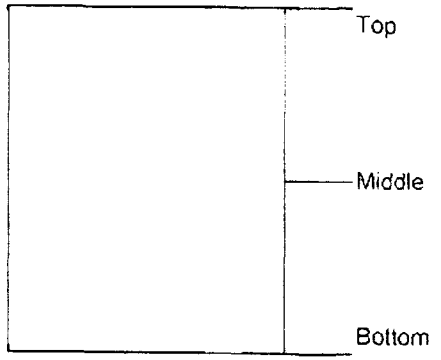
ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR79150

Is the Drum lid Vented? ✓ Yes No (Blue/White)
Is a mechanical vent through the liner lid? ✓ Yes No N/A
Is there a hole in the liner lid? Yes No (Blue/White) ✓ N/A

Was RTR able To Penetrate? Yes ✓ No (Green/White)
Any Prohibited Items Noted? Yes ✓ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed?
Yes ✓ No

Does drum contain sharp objects?
Yes ✓ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid in Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials CAB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

✓ Absorbents | Metal Cans | Scrap Metal | Motors | Plastic suit and hoses | Plastic Containers | ✓ Plastics | Cardboard | Coveralls
Lead Gloves | Hand Tools | Mop Handles | Brushes | Nuts/Bolts/Washers | Power Tools | Tape | Scissors | Flashlights
Aerosol Can Breached | Saw Blades | Nails | Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces
If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: rubble.

Completed By:

Charles A. Bookhamer
Signature

Charles A. Bookhamer
Print Name

9/16/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

Date

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8/3/12

ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR108179

Is the Drum lid Vented? ✓ Yes No (Blue/White)

Is a mechanical vent through the liner lid? ✓ Yes No N/A

Is there a hole in the liner lid? Yes No (Blue/White) ✓ N/A

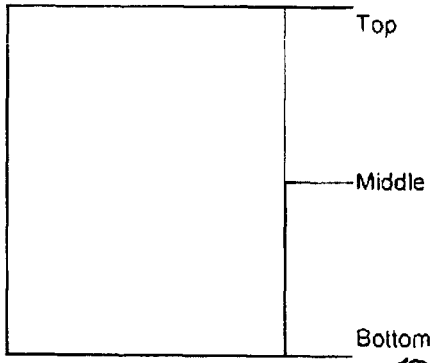
Was RTR able To Penetrate? Yes ✓ No (Green/White)

Any Prohibited Items Noted? Yes ✓ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ✓ No

Does drum contain sharp objects? Yes ✓ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

✓ Absorbents	Metal Cans	Scrap Metal	Motors	Plastic suit and hoses	Plastic Containers	✓ Plastics	Cardboard	Coveralls
Lead Gloves	Hand Tools	Mop Handles	Brushes	Aerosol Can Breached	Power Tools	Tape	Scissors	Flashlights
				Nuts/Bolts/Washers	Saw Blades	Nails	Impenetrable Container	

If containerized liquid is present, Record the approximate amount: N/A ounces

If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum is 75% full of absorbents

Completed By:

Kenneth L. Brown
Signature

Kenneth L. Brown
Print Name

9/17/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

Date

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3/9/12

008483.pdf

ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108175

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)

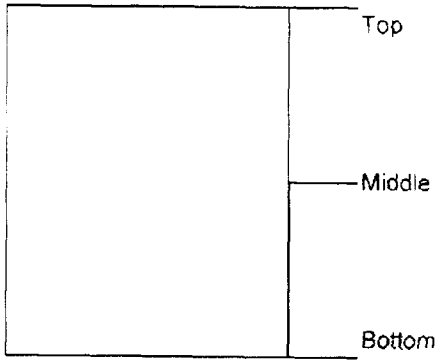
Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A

Is there a hole in the liner lid? ☐ Yes ☐ No (Blue/White) ☑ N/A

Was RTR able To Penetrate? ☐ Yes ☑ No (Green/White)

Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials DLM

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 70

☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces

If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: 70% RUBBLE IN DRUM

Completed By:

Signature — Richard L. Morgan (Print Name) — 9/19/2004 (Date)

SWO Supervision Reviewed By:

D. S. Lambert (Signature) — D.S. Lambert (Print Name) — 9/20/04 (Date)

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CD 3/9/12

Initial Screening of Candidate Drums (U)

VERIFIED TO BE LATEST REVISION
BY: KLB DATE 9/15/04

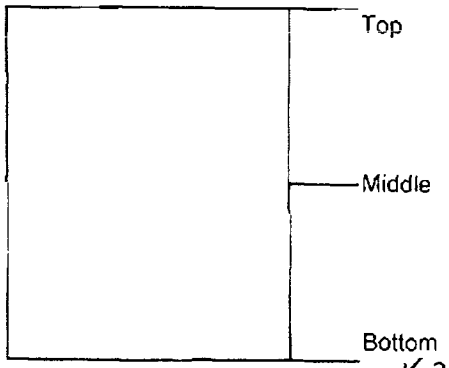
ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR108174

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)
Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A
Is there a hole in the liner lid? ☐ Yes ☐ No (Blue/White) ☑ N/A

Was RTR able To Penetrate? ☐ Yes ☑ No (Green/White)
Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KLB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum contains 75% absorbents

Completed By:

Kenneth L. Brown
Signature

Kenneth L. Brown
Print Name

9/15/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

Date

BEST AVAILABLE
03/1/12

ATTACHMENT 2

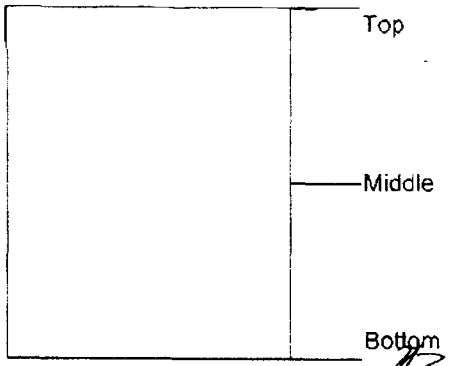
RTR Quick Screen Data Sheet

Container ID SR108173

Was RTR able To Penetrate? Yes ☑ No (Green/White)
Any Prohibited Items Noted? ☐ Yes ☑ No

Is the Drum lid Vented? ☑ Yes No (Blue/White)
Is a mechanical vent through the liner lid? ☑ Yes No N/A
Is there a hole in the liner lid? ☐ Yes No (Blue/White) ☑ N/A

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed?
Yes ☑ No

Does drum contain sharp objects?
☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KLB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Plastic suit and hoses ☐ Nuts/Bolts/Washers ☐ Plastic Containers ☐ Power Tools ☑ Plastics ☐ Tape ☐ Cardboard ☐ Scissors ☐ Coveralls ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present Record the approximate amount N/A ounces If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum contains 75% absorbents.

Completed By:
Kenneth L. Brown — Signature
Kenneth L. Brown — Print Name
9/15/2004 — Date

SWO Supervision Reviewed By:
Signature
Print Name
Date

BEST AVAILABLE COPY 9/9/12

ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108172

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)

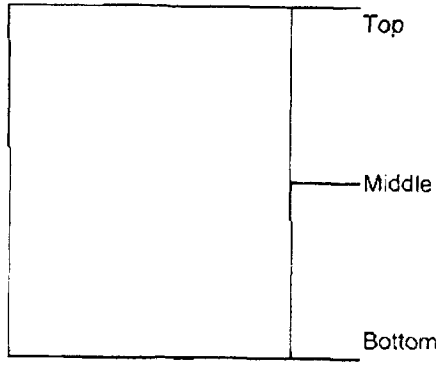
Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A

Is there a hole in the liner lid? ☐ Yes ☐ No (Blue/White) ☑ N/A

Was RTR able To Penetrate? ☐ Yes ☑ No (Green/White)

Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? ☐ Yes ☑ No

Does drum contain sharp objects? ☐ Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A Unpunctured Aerosol Can With Liquid (Orange/Black)

B. Unpunctured Aerosol Can (Black/White)

C. Liquid In Closed Container (Orange/White)

D Free Liquid (Pink/Black)

E Sealed Container > 4 liter (Red/White)

F. Indication of PCB (Blue Dots)

G Other (specify)

H Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials CAB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction

Contents: (Check any box that applies) % Full 75

☑ Absorbents ☐ Metal Cans ☐ Scrap Metal Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights

Lead Gloves ☐ Hand Tools ☐ Mop Handles Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

Plastic suit and hoses ☐ Plastic Containers ☑ Plastics Cardboard ☐ Coveralls

If containerized liquid is present, Record the approximate amount: N/A ounces

If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: rubble

Completed By:

Charles A. Bookhamer
Signature

Charles A. Bookhamer
Print Name

9/15/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

9/16/04
Date

BEST AVAILABLE COPY 3/7/12

VERIFIED TO BE LATEST REVISION
BY: 09-19-04

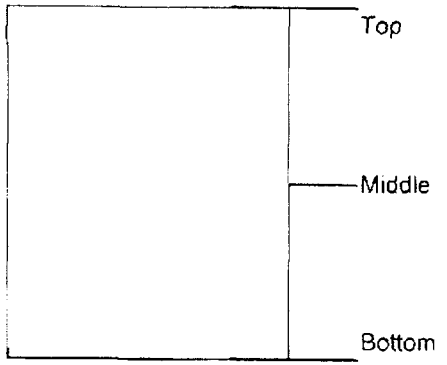
ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR108171

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)
Is a mechanical vent through the liner lid? ☑ Yes ☐ No ☐ N/A
Is there a hole in the liner lid? ☐ Yes ☐ No (Blue/White) ☑ N/A

Was RTR able To Penetrate? ☐ Yes ☑ No (Green/White)
Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ☑ No

Does drum contain sharp objects? Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials RMM

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction

Contents: (Check any box that applies) % Full 75

☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present. Record the approximate amount: N/A ounces
If free liquid is present. Record the approximate amount: N/A Gallons

Remarks: RUBBLE 75 % DRUM

Completed By:

Signature — Richard L. Morgan (Print Name) — 9/19/2004 (Date)

SWO Supervision Reviewed By:

Signature — D. S. Lambert (Print Name) — 9/20/04 (Date)

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ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108170

Is the Drum lid Vented?	✓ Yes	No (Blue/White)	
Is a mechanical vent through the liner lid?	✓ Yes	No	N/A
Is there a hole in the liner lid?	Yes	No (Blue/White)	✓ N/A

Was RTR able To Penetrate? Yes ☑ No (Green/White)

Any Prohibited Items Noted? Yes ✓ No

Mark location of any prohibited items (by circle and type letter)

Top / Middle / Bottom

Does the drum appear to be tightly packed? Yes ✓ No

Does drum contain sharp objects? Yes ✓ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid in Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KLB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

☑ Absorbents	Metal Cans	Scrap Metal	Motors	Plastic suit and hoses	Plastic Containers	✓ Plastics	Cardboard	Coveralls
Lead Gloves	Hand Tools	Mop Handles	Brushes	Nuts/Bolts/Washers	Power Tools	Tape	Scissors	Flashlights
				Aerosol Can Breached	Saw Blades	Nails	Impenetrable Container	

If containerized liquid is present, Record the approximate amount: N/A ounces If free liquid is present, Record the approximate amount N/A Gallons

Remarks: Drum is 75% ful of absorbents

Completed By: Kenneth L Brown (Signature) — Kenneth L. Brown (Print Name) — 9/17/2004 (Date)

SWO Supervision Reviewed By: [signature] (Signature) — [signature] (Print Name) — [date] (Date)

Initial Screening of Candidate Drums (U)

VERIFIED TO SL... REVISION
BY: KB DATE 9/15/04

Procedure: SW15.3-SOP-CAND-01
Revision: 11

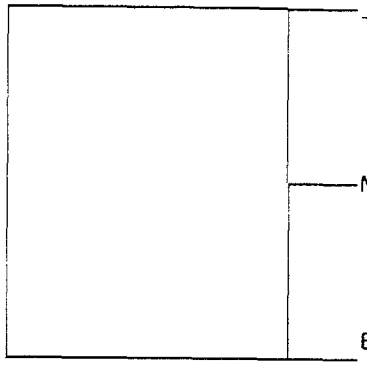
ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR108169

Is the Drum lid Vented? ✔ Yes | No (Blue/White)
Is a mechanical vent through the liner lid? ✔ Yes | No | N/A
Is there a hole in the liner lid? Yes | No (Blue/White) | ☑ N/A

Was RTR able To Penetrate? ☐ Yes ☑ No (Green/White)
Any Prohibited Items Noted? ☐ Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ☑ No

Does drum contain sharp objects? Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid in Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces
If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum contains 75% absorbents

Completed By:

Kenneth L Brown
Signature

Kenneth L. Brown
Print Name

9/15/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

Date

BEST AVAILABLE
8 3/1/12

Initial Screening of Candidate Drums (U)

WORK PACKAGE VERIFIED TO BE LATEST REVISION BY: [illegible] DATE 9/19/04

Procedure: SW15.3-SOP-CAND-01
Revision: 11

ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108168

Is the Drum lid Vented? ✓ Yes No (Blue/White)

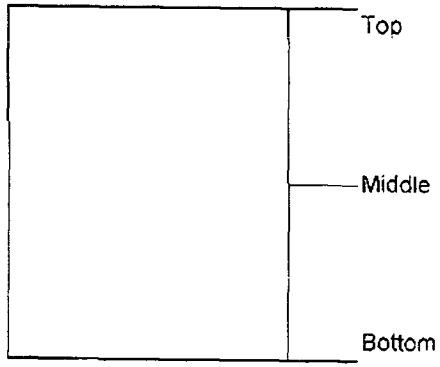
Is a mechanical vent through the liner lid? ✓ Yes No N/A

Is there a hole in the liner lid? Yes No (Blue/White) ☑ N/A

Was RTR able To Penetrate? Yes ☑ No (Green/White)

Any Prohibited Items Noted? Yes ☑ No

Mark location of any prohibited items (by circle and type letter)



Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Does the drum appear to be tightly packed? Yes ☑ No

Does drum contain sharp objects? Yes ☑ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials [illegible]

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Nuts/Bolts/Washers ☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls
☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Power Tools ☐ Saw Blades ☐ Tape ☐ Nails ☐ Scissors ☐ Impenetrable Container ☐ Flashlights

If containerized liquid is present, Record the approximate amount: N/A ounces

If free liquid is present, Record the approximate amount. N/A Gallons

Remarks: DRUM 75% RUBBLE

Completed By:

[illegible]
Signature

Richard L. Morgan
Print Name

9/19/2004
Date

SWO Supervision Reviewed By:

D. S. Lambert
Signature

D.S. Lambert
Print Name

9/20/04
Date

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Initial Screening of Candidate Drums (U)

VERIFIED TO BE LATEST REVISION BY: KLB DATE: 9/17/04

Procedure: SW15.3-SOP-CAND-01
Revision:
Page: 11 32 of 33

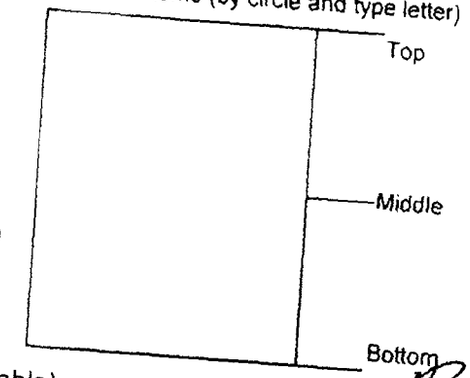
ATTACHMENT 2
RTR Quick Screen Data Sheet

Container ID SR108167

Is the Drum lid Vented? ✔ Yes No (Blue/White)
Is a mechanical vent through the liner lid? ✔ Yes No N/A
Is there a hole in the liner lid? Yes No (Blue/White) ✔ N/A

Was RTR able To Penetrate? Yes ☑ No (Green/White)
Any Prohibited Items Noted? Yes ✔ No

Mark location of any prohibited items (by circle and type letter)



Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid in Closed Container (Orange/White)
D. Free Liquid (Blue/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Does the drum appear to be tightly packed? Yes ✔ No

Does drum contain sharp objects? Yes ✔ No

Initials KLB

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable)

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction

Contents: (Check any box that applies) % Full 75

✔ Absorbents Metal Cans Scrap Metal Motors Plastic suit and hoses Plastic Containers ✔ Plastics Cardboard Coveralls
Lead Gloves Hand Tools Mop Handles Brushes Nuts/Bolts/Washers Power Tools Tape Scissors Flashlights
If containerized liquid is present, Record the approximate amount: N/A ounces Aerosol Can Breached Saw Blades Nails Impenetrable Container
If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum 75% full of absorbents.

Completed By:
Kenneth L Brown
Signature
Kenneth L. Brown
Print Name
9/17/2004
Date

SWO Supervision Reviewed By:
Signature
Print Name
Date

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ATTACHMENT 2

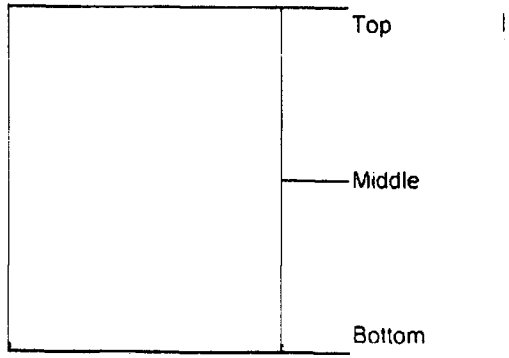
RTR Quick Screen Data Sheet

Container ID SR108166

Is the Drum lid Vented? ✓ Yes No (Blue/White)
Is a mechanical vent through the liner lid? ✓ Yes No N/A
Is there a hole in the liner lid? Yes No (Blue/White) ✓ N/A

Was RTR able To Penetrate? Yes ✓ No (Green/White)
Any Prohibited Items Noted? Yes ✓ No

Mark location of any prohibited items (by circle and type letter)



Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid In Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid In Sealed Bag (Orange/White)

Does the drum appear to be tightly packed? Yes ✓ No

Does drum contain sharp objects? Yes ✓ No

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials CAB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 70

Plastic suit and hoses | Plastic Containers | ✓ Plastics | Cardboard | Coveralls
✓ Absorbents | Metal Cans | Scrap Metal | Motors | Nuts/Bolts/Washers | Power Tools | Tape | Scissors | Flashlights
Lead Gloves | Hand Tools | Mop Handles | Brushes | Aerosol Can Breached | Saw Blades | Nails | Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces
If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: rubble

Completed By:

Charles A. Bookhamer — Signature
Charles A. Bookhamer — Print Name
9/16/2004 — Date

SWO Supervision Reviewed By:

Signature
Print Name
Date

9/16/04

ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108165

Was RTR able To Penetrate? Yes ☑ No (Green/White)

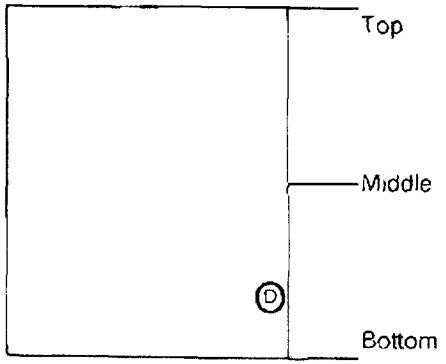
Any Prohibited Items Noted? ☑ Yes No

Is the Drum lid Vented? ☑ Yes ☐ No (Blue/White)

Is a mechanical vent through the liner lid? ☑ Yes No N/A

Is there a hole in the liner lid? Yes ☐ No (Blue/White) ☑ N/A

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ☑ No

Does drum contain sharp objects? Yes ☑ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)

B Unpunctured Aerosol Can (Black/White)

C. Liquid In Closed Container (Orange/White)

(D) Free Liquid (Pink/Black)

E Sealed Container > 4 liter (Red/White)

F Indication of PCB (Blue Dots)

G Other (specify)

H Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials CAB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 40

☑ Absorbents ☐ Metal Cans ☐ Scrap Metal ☐ Motors ☐ Plastic suit and hoses ☐ Plastic Containers ☑ Plastics ☐ Cardboard ☐ Coveralls

☐ Lead Gloves ☐ Hand Tools ☐ Mop Handles ☐ Brushes ☐ Aerosol Can Breached ☐ Saw Blades ☐ Nails ☐ Impenetrable Container ☐ Power Tools ☐ Tape ☐ Scissors ☐ Flashlights

If containerized liquid is present, Record the approximate amount N/A ounces

If free liquid is present, Record the approximate amount 1.0 Gallons

Remarks: rubble

Completed By:

Charles A Bookhamer
Signature

Charles A. Bookhamer
Print Name

9/15/2004
Date

SWO Supervision Reviewed By:

B Cook
Signature

B C Rockhold
Print Name

9/16/04
Date

9/16/04

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ATTACHMENT 2

RTR Quick Screen Data Sheet

Container ID SR108164

Is the Drum lid Vented? ✓ Yes No (Blue/White)

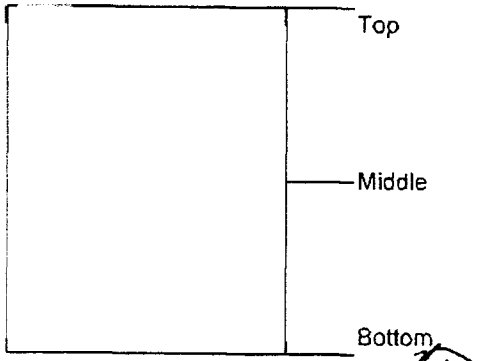
Is a mechanical vent through the liner lid? ✓ Yes No N/A

Is there a hole in the liner lid? Yes No (Blue/White) ✓ N/A

Was RTR able To Penetrate? Yes ☑ No (Green/White)

Any Prohibited Items Noted? Yes ✓ No

Mark location of any prohibited items (by circle and type letter)



Does the drum appear to be tightly packed? Yes ✓ No

Does drum contain sharp objects? Yes ✓ No

Circle the letter for the types of prohibited items noted (If Any)

A. Unpunctured Aerosol Can With Liquid (Orange/Black)
B. Unpunctured Aerosol Can (Black/White)
C. Liquid in Closed Container (Orange/White)
D. Free Liquid (Pink/Black)
E. Sealed Container > 4 liter (Red/White)
F. Indication of PCB (Blue Dots)
G. Other (specify)
H. Liquid in Sealed Bag (Orange/White)

Drum has been identified with the appropriate ribbon per Appendix 2: (N/A if NOT Applicable) Initials KB

NOTE: If hole in liner was verified, THEN STAGE drum per SWO Supervision Direction.

Contents: (Check any box that applies) % Full 75

✓ Absorbents | Metal Cans ☐ Scrap Metal | Motors | Plastic suit and hoses | Plastic Containers | ✓ Plastics | Cardboard | Coveralls
Lead Gloves | Hand Tools | Mop Handles | Brushes | Aerosol Can Breached | Saw Blades | Nails | Power Tools | Tape | Scissors | Flashlights | ☐ Impenetrable Container

If containerized liquid is present, Record the approximate amount: N/A ounces

If free liquid is present, Record the approximate amount: N/A Gallons

Remarks: Drum 75% full of absorbents.

Completed By:

Kenneth L Brown
Signature

Kenneth L. Brown
Print Name

9/17/2004
Date

SWO Supervision Reviewed By:

Signature

Print Name

Date

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: DR004
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☑ DR - Discrepancy Resolution ☐ M - Miscellaneous data ☐ P - Procedures
Title or Description of Source Document [a]: Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF-HET-B and SR-SWMF-SOIL	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jim Schoen, Document Number and Revision: NA, 01/10/2012, 08/19/2013	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR7, WS1, WS2, WS6, WS8, WS12	Throughout	Nature of Discrepancy: Waste from the SWMF has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for spill cleanup and remediation debris waste. Instead the containers were managed individually as hazardous waste with toxicity characteristic and listed HWNs. A review of available AK documentation and container paperwork was performed and it was determined that this waste is hazardous. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005. Subsequently, EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. (References CCP-AK-SRS-12, C061, M022, M023, and M025). Resolution: In accordance with CCP Acceptable Knowledge Documentation, CCP-TP-005, a review of AK was completed to determine the RCRA characterization and the assignment of EPA HWNs if applicable. To assign EPA HWNs, AK source documents which may include procedures, personnel interviews, reports, container packaging documentation, databases, waste profiles, material safety data sheets (MSDSs), and manufacturer information for commercial products are reviewed to determine potential waste material inputs and possible chemical contaminants associated with the waste. EPA HWNs are often assigned for constituents used due to the lack of analytical evidence or inconsistent process knowledge that these constituents are not present in the waste or exceed the regulatory thresholds. Based on review of AK, the wastes in these waste streams may contain or are mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR 261.31. The debris waste is expected to be contaminated with F-listed constituents in the cleanup and remediation of waste resulting from spills. Based on historical waste management, F001 and F002 solvents were used in SRNL and the HBL processes and the HWNs were assigned by SRS to the containers in these waste streams. In addition to the HWNs historically assigned by SRS, F002 and F004 solvents have also been assigned to this waste because it is suspected that the solvents were only used in small-scale cleaning operations. However, the EPA has provided a

NTPC RECORDS ORIGINAL
DATE REC'D 9/11/13 SP

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: DR004
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		regulatory clarification that the F001-listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference McCoy's RCRA unraveled). Large-scale degreasing operations were not historically conducted in the facilities where the spills originated. Therefore, waste stream SR-SWMF-HET-B is not an F001-listed hazardous waste. Solvent used for equipment cleaning or smaller scale degreasing operations, such as industrial maintenance and repair are more common at SRS. These waste streams are therefore assigned F-listed EPA HWNs F002, F004, and F005 for chlorobenzene, ortho-dichlorobenzene, methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,2-trichloro-1,2,2-trifluorethane, nitrobenzene, benzene, carbon disulfide, methyl ethyl ketone, 2-nitropropane, pyridine, and toluene (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025). Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for carbon tetrachloride, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, and vinyl chloride due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Since data are not available that demonstrate the concentration of these organic constituents is less than the toxicity characteristic regulatory level, waste stream SR-SWMF-HET-B is assigned EPA HWNs D019, D022, D027, D028, D029, and D043 (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025). This waste stream is also contaminated with the toxicity characteristic organic compounds benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene due to the potential presence of these constituents in the solvent tank samples and cleanup and remediation waste resulting from spills. However, since the more specific F-listed EPA HWNs have been assigned for these constituents, EPA HWNs D018, D021, D035, D036, D038, D039, and D040 are not assigned to waste stream SR-SWMF-HET-B. Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic metals as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver due to the potential presence of these constituents in the solvent tank samples and in cleanup and remediation waste resulting from spills. Although D011 was not historically assigned to this waste by SRS, it was historically assigned to the TRU waste generated in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were originally assigned to this waste stream by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, and D011 (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025). Based on review of AK relative to chemicals and materials used or present in the waste, Waste stream SR-SWMF-HET-B may contain or is mixed with a discarded unused commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 20). Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during Np oxalate precipitation at the HB-Line (the source of origin of some of the waste which generated this waste stream). It is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery. Therefore,

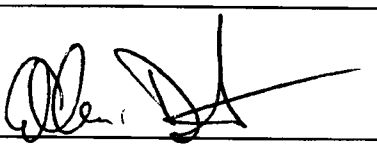
Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: DR004
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		U133 for hydrazine is applied to this waste stream (References DR004, M022, and M025). HB-Line managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical or used as a pure chemical in any process, consistent with scrap dissolution procedures; therefore, U134 for hydrofluoric acid will not be applied to this waste stream (Reference 14). Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site. Debris wastes contaminated during the spill cleanup and remediation would also only contain trace amounts of beryllium, if present. Therefore, any beryllium present in waste stream SR-SWMF-HET-8 will be less than one percent by weight of the waste in any payload container, including ten drum overpacks. Any beryllium present in this waste stream does not meet the definition of a P015-listed waste. Waste stream SRSWMF-HET-8 is therefore not assigned a P-listed HWN (References DR004, M022, and M025). Based on the above review, SR-SWMF-HET-B is assigned EPA Hazardous Waste Numbers D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002,F004,F005, and U133.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson / 

Print /Sign

Date: 08/21/2013

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-SWMF-HET-B

Waste Stream Description: Debris Waste from Cleanup and Remediation of Spills in and Around the E-Area of the SRS SWMF

AK Source Document Discrepancy Form Tracking Number: DR004 – Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF HET-B						
Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Page #
C069	Corr.	Email from Joseph Price to Jim Schoen RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization	N/A	Joseph Price	12/13/2011	All
C070	Corr.	Interoffice Memorandum from J.K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste	N/A	Joseph Price	08/09/2010	All
M022	Unpub.	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B	N/A	N/A	Various	All
M023	Unpub.	Burial Ground Records for Containers in Waste Stream SR-SWMF-SOIL	N/A	N/A	Various	All
M025	Unpub.	Go West Database Query	N/A	N/A	01/31/2010, 03/14/2011	All
N/A	Pub.	CCP Acceptable Knowledge Summary Report for Savannah River Site	CCP-AK-SRS-12, Rev. 7	CCP	4/16/2013	Section 6.4.3
N/A	Pub.	CCP Acceptable Knowledge Documentation	CCP-TP-005/ Rev. 24	CCP	11/28/2011	All
N/A	Pub.	McCoy's RCRA Unraveled	N/A	McCoy and Associates, Inc.	2004 Edition	Pages 76 and 463

NTPC RECORDS ORIGINAL
DATE REC'D 9/11/13 DP

Nature of Discrepancy:

Waste from the SWMF has historically been managed in accordance with the generator site requirements and in compliance with the requirements of the South Carolina Department of Health and Environmental Control. Based on historical waste management, a site specific waste stream was not created for spill cleanup and remediation debris waste. Instead the containers were managed individually as hazardous waste with toxicity characteristic and listed HWNs. A review of available AK documentation and container paperwork was performed and it was determined that this waste is hazardous. SRS historically assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005. Subsequently, EPA HWNs were assigned to waste stream SR-SWMF-HET-B based on a review of the EPA HWNs assigned to the TRU waste generated in the SWMF and in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. (References CCP-AK-SRS-12, C061, M022, M023, and M025).

Resolution:

In accordance with CCP Acceptable Knowledge Documentation, CCP-TP-005, a review of AK was completed to determine the RCRA characterization and the assignment of EPA HWNs if applicable. To assign EPA HWNs, AK source documents which may include procedures, personnel interviews, reports, container packaging documentation, databases, waste profiles, material safety data sheets (MSDSs), and manufacturer information for commercial products are reviewed to determine potential waste material inputs and possible chemical contaminants associated with the waste. EPA HWNs are often assigned for constituents used due to the lack of analytical evidence or inconsistent process knowledge that these constituents are not present in the waste or exceed the regulatory thresholds.

Based on review of AK, the wastes in these waste streams may contain or are mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR 261.31. The debris waste is expected to be contaminated with F-listed constituents in the cleanup and remediation of waste resulting from spills. Based on historical waste management, F001 and F002 solvents were used in SRNL and the HBL processes and the HWNs were assigned by SRS to the containers in these waste streams. In addition to the HWNs historically assigned by SRS, F002 and F004 solvents have also been assigned to this waste because it is suspected that the solvents were only used in small-scale cleaning operations. However, the EPA has provided a regulatory clarification that the F001-listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale (Reference McCoy's RCRA unraveled). Large-scale degreasing operations were not historically conducted in the facilities where the spills originated. Therefore, waste stream SR-SWMF-HET-B is not an F001-listed hazardous waste. Solvent used for equipment cleaning or smaller scale degreasing operations, such as industrial maintenance and repair are more common at SRS. These waste streams are therefore assigned F-listed EPA HWNs F002, F004, and F005 for chlorobenzene, ortho-dichlorobenzene, methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,2-trichloro-1,2,2-trifluorethane, nitrobenzene, benzene, carbon disulfide, methyl ethyl ketone, 2-nitropropane, pyridine, and toluene (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for carbon tetrachloride, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, and vinyl chloride due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Since data are not available that demonstrate the concentration of these organic constituents is less than the toxicity characteristic regulatory level, waste stream SR-SWMF-HET-B is assigned EPA HWNs D019, D022, D027, D028, D029, and D043 (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

This waste stream is also contaminated with the toxicity characteristic organic compounds benzene, chlorobenzene, methyl ethyl ketone, nitrobenzene, pyridine, tetrachloroethylene, and trichloroethylene due to the potential presence of these constituents in the solvent tank samples and cleanup and remediation waste resulting from spills. However, since the more specific F-listed EPA HWNs have been assigned for these constituents, EPA HWNs D018, D021, D035, D036, D038, D039, and D040 are not assigned to waste stream SR-SWMF-HET-B.

Waste stream SR-SWMF-HET-B is contaminated with toxicity characteristic metals as defined in 40 CFR 261.24. The debris waste is expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver due to the potential presence of these constituents in the solvent tank samples and in cleanup and remediation waste resulting from spills. Although D011 was not historically assigned to this waste by SRS, it was historically assigned to the TRU waste generated in the facilities where the spills originated, namely H-Canyon, HB-Line, and SRNL. Small amounts of contaminated soil and absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were originally assigned to this waste stream by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, waste stream SR-SWMF-HET-B is assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, and D011 (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

Based on review of AK relative to chemicals and materials used or present in the waste, Waste stream SR-SWMF-HET-B may contain or is mixed with a discarded unused commercial chemical product, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33 (Reference 20). Hydrazine (rather than hydrazine mononitrate) was used during anion exchange in Scrap Recovery and during Np oxalate precipitation at the HB-Line (the source of origin of some of the waste which generated this waste stream). It is possible that pure liquid hydrazine may have contaminated spill cleanup residues following significant spill and contamination events in Scrap Recovery. Therefore, U133 for hydrazine is applied to this waste stream (References DR004, M022, and M025).

HB-Line managers and technical support personnel stated unambiguously that hydrofluoric acid was never brought into HBL as pure chemical or used as a pure chemical in any process, consistent with scrap dissolution procedures; therefore, U134 for hydrofluoric acid will not be applied to this waste stream (Reference 14).

Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site. Debris wastes contaminated during the spill cleanup and remediation would also only contain trace amounts of beryllium, if present. Therefore, any beryllium present in waste stream SR-SWMF-HET-B will be less than one percent by weight of the waste in any payload container, including ten-drum overpacks. Any beryllium present in this waste stream does not meet the definition of a P015-listed waste. Waste stream SR-SWMF-HET-B is therefore not assigned a P-listed HWN (References DR004, M022, and M025).

Based on the above review, SR-SWMF-HET-B is assigned EPA Hazardous Waste Numbers D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F004, F005, and U133

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: James M. Schoen (Print) _____ (Sign) Date 08/12/2013 8/19/13

Site Project Manager: ~~Beverly Schrock~~ Joshua Houghton (Print) _____ (Sign) Date: 8-19-13

SPB 8-19-13

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

Jim Schoen

From: joseph.price@srs.gov
Sent: Tuesday, December 13, 2011 7:56 AM
To: Jim Schoen
Cc: gilmore.lunsford@srs.gov; mj_papp@msn.com
Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

All chemicals identified in the memo (SRNS-RP-2010-01101) for 773-A and HBL Facilities.

From: "Jim Schoen" <jim.schoen@q.com>
To: <joseph.price@srs.gov>, <gilmore.lunsford@srs.gov>
Cc: <mj_papp@msn.com>
Date: 12/13/2011 09:46 AM
Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

Thanks Joe-

Should all of the chemical constituents associated with F001, F002,and F005 also be assigned to the containers?

James M. Schoen, CCP AKE
Technical Specialists
Washington TRU Solutions Subcontractor
303-838-6552 (office)
303-726-2452 (cell)
jim.schoen@q.com

From: joseph.price@srs.gov [mailto:joseph.price@srs.gov]
Sent: Tuesday, December 13, 2011 5:52 AM
To: gilmore.lunsford@srs.gov
Cc: Jim Schoen; mj_papp@msn.com
Subject: Re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

Based on the information provided these referenced waste containers were generated from a spill cleanup of 1970's HBL and SRL (773-A) waste containers. Therefore, we agree the appropriate RCRA listed codes would be a combination of both facilities and F001, F002, and F005 should be assigned to all cleanup material generated.

Joe Price
(803) 208-8089
(803) 645-5466 (cell)

From: Gilmore Lunsford/SRNS/Srs
To: Joseph Price/SRNS/Srs@Srs
Cc: mj_papp@msn.com, Jim Schoen <jim.schoen@q.com>
Date: 12/12/2011 03:11 PM
Subject: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

---

Joe, can you help me answer this question(s)?

gfl
----- Forwarded by Gilmore Lunsford/SRNS/Srs on 12/12/2011 03:10 PM -----

From: "Jim Schoen" <jim.schoen@q.com>
To: "'Jeff Lunsford '" <gilmore.lunsford@srs.gov>
Cc: "'Mike Papp'" <mj_papp@msn.com>
Date: 12/12/2011 03:07 PM
Subject: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

---

Hi Jeff-

The SRS-12 HET-B and Soil waste streams have F001 and F005 assigned to them in the Go West database. Can you tell me if SRS has identified the specific F-listed constituents in these containers (see attached list) for these listed codes? If not, are you willing to state that any F001, F002, and F005 constituent may be present in this waste; or will you at least agree with our characterization that they might be? (by the way, they are the same constituents assigned to HET-A for F001, F002, and F005)

Thanks!

James M. Schoen, CCP AKE
Technical Specialists
Washington TRU Solutions Subcontractor
303-838-6552 (office)
303-726-2452 (cell)
jim.schoen@q.com

[attachment "SR-SWMF-HET-B.xlsx" deleted by Joseph Price/SRNS/Srs] [attachment "SR-SWMF-SOIL.xlsx" deleted by Joseph Price/SRNS/Srs]

Savannah River
Nuclear Solutions LLC
A Fluor Daniel Partnership

INTEROFFICE MEMORANDUM

August 9, 2010

SRNS-RP-2010-00010
RSM Track #: 10807

To: D. M. Cole, 707-7F
B. R. Hoeffner, 704-34E

From: J. K. Price, 707-5E

Environmental Guidance for Laboratory Analysis of Legacy Waste

Aqueous and non-aqueous waste found inside Solid Waste Management (SWM) containers with assigned RCRA listed codes, are subject to RCRA disposal requirements unless the waste is determined to no longer contain the listed constituent. To make this hazardous waste determination requires analytical data for each RCRA listed constituents assigned to the container. The attached "Legacy TRU Waste RCRA Listed Constituents" table is provided to identify pre 1990 facility specific RCRA listed constituents requiring laboratory analysis.

The table was generated by reviewing the "Acceptable Knowledge" (AK) from the various facilities and selecting the chemical compounds that were most likely used for their degreasing or solvent properties. If a chemical was listed as present in the AK, but was unlikely used as a degreasing agent or solvent, then it was omitted from the list (i.e., Xylene is listed as present in the AK, it was use in felt tip markers).

Aqueous HBL's in the table were derived from the SRS Investigative-Derived Waste (IDW) Management Plan Appendix A. Non-Aqueous HBL's are based upon Appendix B of the IDW Management Plan. When analytical data is not available the Appendix A HBL value can be used as the reported value for the listed hazardous constituent. The HBL's in this table are to be used as a guide only, the ECA will use the most current revision of the IDW Management Plan to ensure analytical results are compared to the most current HBL's

If you have any questions pertaining to this guidance please contact the SMW ECA.

References:

1. SRS Investigative-Derived Waste (IDW) Management Plan (WSRC-RP-94-1227) most current rev., October 2007
2. Memo G. F. Hayford to D. Beeler, "Environmental Guidance for Management of Water/Sludge/Contact Waste Found in Solid Waste Management Containers" (SRNS-RP-2010-01101) July 28, 2010
3. Memo Joe Price to David Cole/Renee Hoeffner, Assigning RCRA Hazardous Waste Codes to Legacy Job control

cc: L. K. Lavallee, 704-60E
M. G. Looper, 704-36E
W. J. Maloney, 705-3C
H. W. Morris, 705-3C
L. C. Martin, 705-3C
G. F. Hayford, 705-3C
J. K. Price, 707-5E
I. C. Riddick, 707-5E
T. E. Cochran, 704-58E
J. E. Hyatt, 705-3C
SW Files, 705-3C
WMAP Records Management, 766-H
Records Administration, 773-52A

Legacy TRU Waste RCRA Listed Constituents

Facility - Pad 1 Mound

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	Methylene chloride	75-09-2	5.00	9.10
F002	Tetrachloroethylene	127-18-4	5.00	0.48
F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F002	Trichloroethylene	79-01-6	5.00	0.053
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600.00
F004	Nitrobenzene	98-95-3	20.00	20.00
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - Pad 1 LANL (LASL)

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	Methylene chloride	75-09-2	5.00	9.10
F002	Tetrachloroethylene	127-18-4	5.00	0.48
F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F002	Trichloroethylene	79-01-6	5.00	0.053
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Pyridine	110-86-1	5000.00	61.00
F005	Benzene	71-43-2	5.00	0.64
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - FB-Line

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Toluene	108-88-3	1000.00	520.00
F005	Isobutanol	78-83-1	1800.00	13000.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

Legacy TRU Waste RCRA Listed Constituents

Facility - 772-F

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001	Tetrachloroethylene	127-18-4	5.00	
F001	1,1,1-Trichloroethane	71-55-6	200.00	0.48
F001	Trichloroethylene	79-01-6	5.00	0.053
F001	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - 235-F

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	0.48
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600.00
F001 & F002	Trichlorfluromethane (Freon 11)	75-69-4	1300.00	390.00

Facility - HB-Line

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600

Facility - 773-A

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001	Tetrachloroethylene	127-18-4	5.00	0.48
F001	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001	Trichloroethylene	79-01-6	5.00	0.053
F001	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

Legacy TRU Waste RCRA Listed Constituents

Combined Waste Stream

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	Methylene chloride	75-09-2	5.00	9.10
F001 & F002	Tetrachloroethylene	127-18-4	5.00	0.48
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F001 & F002	Trichlorfluromethane (Freon 11)	75-69-4	1300.00	390.00
F004	Nitrobenzene	98-95-3	20.00	20.00
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00
F005	Pyridine	110-86-1	5000.00	61.00
F005	Benzene	71-43-2	5.00	0.64

Facility - AGNS

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Pyridine	110-86-1	5000.00	61.00
F005	Toluene	108-88-3	1000.00	520.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-SWMF-HET-B, SR-SWMF-SOIL

Waste Stream Description: Debris Waste from Cleanup and Remediation of Spills in and Around the E-Area of the SRS SWMF, Soils Resulting From Cleanup and Remediation of Spills in and Around the E-Area of the SRS SWMF

AK Source Document Discrepancy Form Tracking Number: DR004 – Discrepancy Resolution for EPA Hazardous Waste Code Assignments for Waste Streams SR-SWMF HET-B and SR-SWMF-SOIL							
Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
C061	Corr.	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B	N/A	Jim Schoen	11/18/2011	N/A	All
C062	Corr.	Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-SOIL	N/A	Jim Schoen	11/18/2011	N/A	All
C069	Corr.	Email from Joseph Price to Jim Schoen RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization	N/A	Joseph Price	12/13/2011	N/A	All
C070	Corr.	Interoffice Memorandum from J.K. Price to D. M. Cole and B. R. Hoeffner, Re: Environmental Guidance for Laboratory Analysis of Legacy Waste	N/A	Joseph Price	08/09/2010	N/A	All

M022	Unpub.	Transuranic Waste Container Characterization Forms (SR-29-90) and Burial Ground Records for Containers in Waste Stream SR-SWMF-HET-B	N/A	N/A	Various	N/A	All
M023	Unpub.	Burial Ground Records for Containers in Waste Stream SR-SWMF-SOIL	N/A	N/A	Various	N/A	All
M025	Unpub.	Go West Database Query	N/A	N/A	01/31/2010, 03/14/2011	N/A	All
N/A	Pub.	CCP Acceptable Knowledge Summary Report for Savannah River Site	CCP-AK-SRS-12, Rev. 5	CCP	TBD	CCP	Sections 6.4.3 and 7.4.3
N/A	Pub.	CCP Acceptable Knowledge Documentation	CCP-TP-005/ Rev. 24	CCP	11/28/2011	CCP	All
N/A	Pub.	McCoy's RCRA Unraveled	N/A	McCoy and Associates, Inc.	2004 Edition	N/A	Pages 76 and 463

Nature of Discrepancy:

The CCP acceptable knowledge (AK) Summary Report for Savannah River Site, CCP-AK-SRS-12, was originally created to characterize debris waste generated at the Savannah River Site (SRS) Solid Waste Management Facility (SWMF). Subsequently, additional waste consisting of debris and soil generated as a result of the cleanup and remediation of spills in and around the E-Area of the SWMF has been characterized in this AK report. SRS historically assigned Environmental Protection Agency (EPA) hazardous waste numbers (HWNs) D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D035, D038, D039, D040, F001, and F005 to the debris and soil resulting from spills (waste streams SR-SWMF-HET-B and SR-SWMF-SOIL, respectively). These HWNs have been retained for these waste streams with the exception of D035, D039, and D040. EPA HWN F002 has also been assigned to both waste streams. These two waste streams were generated over a 3-year period and they consist of waste generated before Resource Conservation and Recovery Act (RCRA) was implemented at SRS and waste that was generated when listed and characteristic chemicals were commonly used in the Savannah River National Laboratory (SRNL) and the HB-Line (HBL). In addition, the new soil waste stream was generated from the same spills as the debris waste stream. It is, therefore, expected that the hazardous constituents present in waste stream SR-SWMF-HET-B are also present in waste stream SR-SWMF-SOIL (References CCP-AK-SRS-12, C061, C062, M022, M023, and M025).

Resolution:

In accordance to CCP Acceptable Knowledge Documentation, CCP-TP-005, a review of AK was completed to determine the RCRA characterization and the assignment of EPA HWNs if applicable. To assign EPA HWNs, AK source documents which may include procedures, personnel interviews, reports, container packaging documentation, databases, waste profiles, material safety data sheets (MSDSs), and manufacturer information for commercial products are reviewed to determine potential waste material inputs and possible chemical contaminants associated with the waste. EPA HWNs are often assigned for constituents used due to the lack of analytical evidence or inconsistent process knowledge that these constituents are not present in the waste or exceed the regulatory thresholds.

Based on review of AK, the wastes in these waste streams may contain or are mixed with F-listed hazardous wastes from non-specific sources listed in 40 CFR 261.31. The debris and soil waste are expected to be contaminated with F-listed constituents in the cleanup and remediation waste resulting from spills. Based on historical waste management, F001 and F002 HWNs were used in SRNL and the HBL processes and were assigned to the containers in these waste streams. In addition to the HWNs historically assigned by SRS, F002 has also been assigned to this waste because it is suspected that the F001 solvents were not only used in large scale degreasing operations, but also as small-scale cleaning solvents. Solvent used for equipment cleaning or smaller scale degreasing operations, such as industrial maintenance and repair are more common at SRS. These waste streams are therefore assigned F-listed EPA HWNs F001, F002 and F005 for methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, trichloroethylene, 1,1,2-trichloro-1,2,2-trifluorethane, isobutanol, methyl ethyl ketone, and toluene (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

Based on review of AK, the waste in these waste streams may contain or be contaminated with toxicity characteristic organic compounds as defined in 40 CFR 261.24. The debris and soil wastes are expected to exhibit the characteristic of toxicity for carbon tetrachloride, chlorobenzene, chloroform, 1,4-dichlorobenzene, 1,2-dichloroethane, and pyridine due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of contaminated absorbed liquid from these spills may also be present. Based on historical waste management, characteristic HWNs for carbon tetrachloride (D019), chlorobenzene (D021), chloroform (D022), 1,4-dichlorobenzene (D027), 1,2-dichloroethane (D028), methyl ethyl ketone (D035), pyridine (D038), tetrachloroethylene (D039), and trichloroethylene (D040) were originally assigned to this waste by SRS. Since the more specific F-listed EPA HWNs have been assigned for methyl ethyl ketone, tetrachloroethylene, and trichloroethylene, assignment of the corresponding toxicity characteristic HWNs (i.e., D035, D039, and D040) is not necessary (Reference McCoy's RCRA Unraveled). The characteristic HWNs for carbon tetrachloride, chlorobenzene, and pyridine (i.e., D019, D021, and D038) have been retained because the generator indicated these constituents were present in the waste but were not used for their solvent properties. Data are not available that demonstrate the concentration of the remaining characteristic organic constituents is less than the toxicity characteristic regulatory level; therefore, HWNs D019, D021, D022, D027, D028, and D038 have been retained/assigned (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

Based on review of AK, the wastes in these waste streams may contain or be contaminated with toxicity characteristic metals as defined in 40 CFR 261.24. The debris and soil waste are expected to exhibit the characteristic of toxicity for arsenic, barium, cadmium, chromium, lead, mercury, and selenium due to the potential presence of these constituents in the cleanup and remediation waste resulting from spills. Small amounts of absorbed liquid from these spills may also be present. Based on historical waste management, HWNs for these constituents were present in SRNL and the HBL processes and were originally assigned to the containers in these waste streams by SRS. Since data are not available that demonstrate the concentration of these metals is less than the toxicity characteristic regulatory level, these HWNs have been retained. Therefore, these waste streams are assigned toxicity characteristic HWNs for arsenic (D004), barium (D005), cadmium (D006), chromium (D007), lead (D008), mercury (D009), and selenium (D010) (References CCP-AK-SRS-12, C069, C070, M022, M023, and M025).

Based on review of AK, the wastes in these waste streams do not contain discarded unused commercial chemical products, an off-specification commercial chemical product, or a container residue or spill residue thereof as defined in 40 CFR 261.33. P- and U-listed reagents were used in SRS operations; however, no listed chemicals were identified in the container-specific documentation and there was no record of P- and U-listed chemicals in the spill incident documentation. Trace amounts of beryllium may be present in some drums due to past beryllium operations on the site. The debris and soil wastes contaminated during the spill cleanup and remediation would also only contain trace amounts of beryllium, if present. Therefore, any beryllium present will be less than one percent by weight of the waste in any payload container. Any beryllium present does not meet the definition of a P015-listed waste. These waste streams are therefore not assigned a P- or U-listed HWN (References M023 and M025).

Based on the above review, these waste streams contain RCRA regulated constituents and are assigned EPA HWNs D004, D005, D006, D007, D008, D009, D010, D019, D021, D022, D027, D028, D038, F001, F002, and F005.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: James M. Schoen (Print) _____ (Sign) Date: 01/10/2012

Site Project Manager: Beverly Schrock (Print) BSSchrock (Sign) Date: 3/8/12

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

C061

Letter to AK Record

Author: James M. Schoen
CCP AKE

Date: November 18, 2011
Telephone Number: 303-838-6552

Subject: Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-HET-B

Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-HET-B (Heterogeneous Debris from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of approximately 8 55-gallon drums (approximately 1.7 cubic meters). The package dates for containers in this waste stream range from August 1976 to the present.

Based on an evaluation of the container paperwork, this waste stream is comprised of at least 50 percent by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300). Therefore, Waste Matrix Code S5400 for heterogeneous debris waste is assigned to this waste stream.

Radiological data was not available for any of the containers in waste stream SR-SWMF-HET-B; however, this debris waste consists of hazardous organic and inorganic debris generated as a result of cleanup and remediation of spills and leaks at Pads 2 and 3 in the E and F areas of the SRS SWDF which generated the contaminated soils in waste stream SR-SWMF-SOIL (for which data is available). It is assumed that since the soil and debris were generated as a result of the same spill incidents that the radiological characterization of the debris will be the same as the radiological characterization of the soils. Therefore, the radiological characterization of waste stream SR-SWMF-SOIL is presented below as representative of waste stream SR-SWMF-HET-B. Once NDA results are available for waste stream SR-SWMF-HET-B, the radiological data for this waste stream may be revised to include new information.

To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste stream.

The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx").

From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

C061

Waste Stream SR-SWMF-HET-B Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.09%	0.00% - 7.20%	0.38%	0.00% - 2.97%	Yes
Pu-238	1.48%	0.00% - 11.97%	33.16%	0.00% - 91.09%	Yes
Pu-239	**3.27%**	0.00% - 77.74%	0.27%	0.00% - 43.98%	Yes
Pu-240	**94.65%**	22.24% - 99.25%	28.25%	1.99% - 67.67%	Yes
Pu-242	Not Reported				Yes[6]
U-233	Not Reported				No
U-234	Not Reported				No
U-238	Not Reported				No
Cs-137	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Sr-90	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Additional Radionuclides					
Am-243	0.13%	0.01% - 0.30%	0.03%	0.00% - 0.09%	Yes
Cm-244	0.35%	0.00% - 10.42%	37.22%	0.00% - 87.84%	Yes
Cm-245	Trace	0.00% - 0.01%	Trace	0.00% - 0.02%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Np-237	0.03%	0.00% - 9.27%	Trace	0.00% - 0.01%	Yes
Pu-241	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ra-226	Trace	Trace - 0.01%	0.60%	0.27% - 9.94%	Yes
U-235	0.00%	0.00%	0.00%	0.00%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy.

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	SR-90 g	Cs-137 g	Eu-154 g	Ra-226 g	U-235 g	Np-237 g	Pu-238 g	Pu-239 g	Pu-240 g	Am-241 g
SR108165	5.86E-08	9.19E-08	9.39E-09	5.09E-07	0.00E+00	0.00E+00	4.74E-04		9.08E-02	
SR108166	1.71E-08	2.68E-08	1.91E-09	4.16E-07	0.00E+00	0.00E+00	2.36E-04		5.84E-03	5.24E-04
SR108167	2.90E-08	4.54E-08		6.33E-07	0.00E+00	0.00E+00	2.21E-04		3.27E-02	
SR108169	2.79E-08	4.37E-08	1.57E-09	5.14E-07	0.00E+00	0.00E+00	4.06E-04		6.08E-03	
SR108170	1.59E-09	2.50E-09		6.07E-07	0.00E+00	0.00E+00	2.00E-04		7.16E-03	
SR108172	3.59E-09	5.63E-09		2.82E-07	0.00E+00	0.00E+00	1.42E-04		2.59E-03	
SR108173	3.34E-09	5.25E-09		6.08E-07	0.00E+00	0.00E+00		2.01E-02	5.75E-03	
SR108174	1.34E-07	2.10E-07	7.31E-09	5.31E-07	0.00E+00	0.00E+00	1.33E-03		3.22E-02	
SR108175	1.79E-08	2.80E-08	1.40E-09	6.22E-07	0.00E+00	0.00E+00	6.89E-04		1.38E-02	
SR108179	9.07E-09	1.42E-08	1.13E-09	4.12E-07	0.00E+00	0.00E+00	2.62E-04		3.47E-03	
SR108180	5.21E-09	8.17E-09	1.70E-09	1.47E-07	0.00E+00	0.00E+00	7.95E-04		9.92E-03	
SR89797	8.39E-10	1.32E-09		2.17E-07	0.00E+00	1.81E-04	8.10E-05		1.69E-03	
SR108168	1.13E-06	1.77E-06	6.07E-08		0.00E+00	0.00E+00	2.21E-03		3.52E-01	
SR108172A	5.34E-09	8.37E-09			0.00E+00	0.00E+00	1.13E-03		8.31E-03	
SR108171	1.02E-08	1.60E-08		5.46E-07	0.00E+00	0.00E+00	9.05E-04		9.65E-03	
SUM	1.45E-06	2.28E-06	8.51E-08	5.28E-06	0.00E+00	1.81E-04	9.08E-03	2.01E-02	5.82E-01	5.24E-04
Wt%	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**1.48%**	**3.27%**	**94.65%**	**0.09%**
NUCLIDE	**SR-90 Ci**	**Cs-137 Ci**	**Eu-154 Ci**	**Ra-226 Ci**	**U-235 Ci**	**Np-237 Ci**	**Pu-238 Ci**	**Pu-239 Ci**	**Pu-240 Ci**	**Am-241 Ci**
SR108165	8.09E-06	8.09E-06	2.51E-06	2.39E-04	0.00E+00	0.00E+00	8.20E-03	0.00E+00	2.09E-02	0.00E+00
SR108166	2.36E-06	2.36E-06	5.10E-07	1.96E-04	0.00E+00	0.00E+00	4.08E-03	0.00E+00	1.34E-03	1.82E-03
SR108167	4.00E-06	4.00E-06	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.82E-03	0.00E+00	7.52E-03	0.00E+00
SR108169	3.85E-06	3.85E-06	4.19E-07	2.42E-04	0.00E+00	0.00E+00	7.02E-03	0.00E+00	1.40E-03	0.00E+00
SR108170	2.19E-07	2.20E-07	0.00E+00	2.85E-04	0.00E+00	0.00E+00	3.46E-03	0.00E+00	1.65E-03	0.00E+00
SR108172	4.95E-07	4.95E-07	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.46E-03	0.00E+00	5.96E-04	0.00E+00
SR108173	4.61E-07	4.62E-07	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-03	1.32E-03	0.00E+00
SR108174	1.85E-05	1.85E-05	1.95E-06	2.50E-04	0.00E+00	0.00E+00	2.30E-02	0.00E+00	7.41E-03	0.00E+00
SR108175	2.47E-06	2.46E-06	3.74E-07	2.92E-04	0.00E+00	0.00E+00	1.19E-02	0.00E+00	3.17E-03	0.00E+00
SR108179	1.25E-06	1.25E-06	3.02E-07	1.94E-04	0.00E+00	0.00E+00	4.53E-03	0.00E+00	7.98E-04	0.00E+00
SR108180	7.19E-07	7.19E-07	4.54E-07	6.91E-05	0.00E+00	0.00E+00	1.38E-02	0.00E+00	2.28E-03	0.00E+00
SR89797	1.16E-07	1.16E-07	0.00E+00	1.02E-04	0.00E+00	1.29E-07	1.40E-03	0.00E+00	3.89E-04	0.00E+00
SR108168	1.56E-04	1.56E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	8.10E-02	0.00E+00
SR108172A	7.37E-07	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-02	0.00E+00	1.91E-03	0.00E+00
SR108171	1.41E-06	1.41E-06	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.57E-02	0.00E+00	2.22E-03	0.00E+00
SUM	2.01E-04	2.00E-04	2.27E-05	2.84E-03	0.00E+00	1.29E-07	1.57E-01	1.26E-03	1.34E-01	1.82E-03
Ci%	**0.04%**	**0.04%**	**0.00%**	**0.60%**	**0.00%**	**0.00%**	**33.16%**	**0.27%**	**28.25%**	**0.38%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Pu-241 g	Am-243 g	Cm-244 g	Cm-245 g	SUM		SR-90 Wt%	Cs-137 Wt%	Eu-154 Wt%
SR108165	0	8.35E-05	7.43E-04	4.41E-06	9.21E-02		0.00%	0.00%	0.00%
SR108166	0.00E+00	2.16E-05	6.58E-04		7.28E-03		0.00%	0.00%	0.00%
SR108167	0	2.53E-05			3.29E-02		0.00%	0.00%	0.00%
SR108169	0	1.87E-06	7.55E-04		7.24E-03		0.00%	0.00%	0.00%
SR108170	0	1.58E-05			7.38E-03		0.00%	0.00%	0.00%
SR108172	0	1.95E-06			2.73E-03		0.00%	0.00%	0.00%
SR108173	0	2.48E-06		3.30E-06	2.59E-02		0.00%	0.00%	0.00%
SR108174	0	6.61E-05			3.36E-02		0.00%	0.00%	0.00%
SR108175	0	1.31E-05			1.45E-02		0.00%	0.00%	0.00%
SR108179	0	4.89E-06			3.74E-03		0.00%	0.00%	0.00%
SR108180	0	1.46E-05			1.07E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	5.20E-07			1.95E-03		0.00%	0.00%	0.00%
SR108168	0.00E+00	5.56E-04			3.55E-01		0.00%	0.00%	0.00%
SR108172A	0.00E+00	2.58E-06			9.44E-03		0.00%	0.00%	0.00%
SR108171	0.00E+00	4.39E-06			1.06E-02		0.00%	0.00%	0.00%
SUM	0.00E+00	8.15E-04	2.16E-03	7.71E-06	6.15E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Wt%	**0.00%**	**0.13%**	**0.35%**	**0.00%**	**100.00%**	**MAX**	**0.00%**	**0.00%**	**0.00%**
NUCLIDE	**Pu-241 Ci**	**Am-243 Ci**	**Cm-244 Ci**	**Cm-245 Ci**			**SR-90 Ci%**	**Cs-137 Ci%**	**Eu-154 Ci%**
SR108165	0.00E+00	1.69E-05	6.08E-02	7.67E-07	9.01E-02		0.01%	0.01%	0.00%
SR108166	0.00E+00	4.36E-06	5.38E-02	0.00E+00	6.13E-02		0.00%	0.00%	0.00%
SR108167	0.00E+00	5.11E-06	0.00E+00	0.00E+00	1.17E-02		0.03%	0.03%	0.00%
SR108169	0.00E+00	3.78E-07	6.18E-02	0.00E+00	7.04E-02		0.01%	0.01%	0.00%
SR108170	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.40E-03		0.00%	0.00%	0.00%
SR108172	0.00E+00	3.94E-07	0.00E+00	0.00E+00	3.19E-03		0.02%	0.02%	0.00%
SR108173	0.00E+00	5.01E-07	0.00E+00	5.74E-07	2.87E-03		0.02%	0.02%	0.00%
SR108174	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.07E-02		0.06%	0.06%	0.01%
SR108175	0.00E+00	2.65E-06	0.00E+00	0.00E+00	1.54E-02		0.02%	0.02%	0.00%
SR108179	0.00E+00	9.88E-07	0.00E+00	0.00E+00	5.53E-03		0.02%	0.02%	0.01%
SR108180	0.00E+00	2.95E-06	0.00E+00	0.00E+00	1.61E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	1.05E-07	0.00E+00	0.00E+00	1.89E-03		0.01%	0.01%	0.00%
SR108168	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-01		0.13%	0.13%	0.01%
SR108172A	0.00E+00	5.21E-07	0.00E+00	0.00E+00	2.15E-02		0.00%	0.00%	0.00%
SR108171	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.81E-02		0.01%	0.01%	0.00%
SUM	0.00E+00	1.65E-04	1.76E-01	1.34E-06	4.74E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.00%**	**0.03%**	**37.22%**	**0.00%**	**100.00%**	**MAX**	**0.13%**	**0.13%**	**0.01%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Ra-226 Wt%	U-235 Wt%	Np-237 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Am-241 Wt%	Pu-241 Wt%
SR108165	0.00%	0.00%	0.00%	0.51%	0.00%	98.58%	0.00%	0.00%
SR108166	0.01%	0.00%	0.00%	3.24%	0.00%	80.22%	7.20%	0.00%
SR108167	0.00%	0.00%	0.00%	0.67%	0.00%	99.25%	0.00%	0.00%
SR108169	0.01%	0.00%	0.00%	5.61%	0.00%	83.94%	0.00%	0.00%
SR108170	0.01%	0.00%	0.00%	2.71%	0.00%	97.07%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%	5.19%	0.00%	94.72%	0.00%	0.00%
SR108173	0.00%	0.00%	0.00%	0.00%	77.74%	22.24%	0.00%	0.00%
SR108174	0.00%	0.00%	0.00%	3.96%	0.00%	95.84%	0.00%	0.00%
SR108175	0.00%	0.00%	0.00%	4.75%	0.00%	95.15%	0.00%	0.00%
SR108179	0.01%	0.00%	0.00%	7.01%	0.00%	92.85%	0.00%	0.00%
SR108180	0.00%	0.00%	0.00%	7.41%	0.00%	92.45%	0.00%	0.00%
SR89797	0.01%	0.00%	9.27%	4.15%	0.00%	86.55%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	0.62%	0.00%	99.22%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	11.97%	0.00%	88.01%	0.00%	0.00%
SR108171	0.01%	0.00%	0.00%	8.57%	0.00%	91.38%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**22.24%**	**0.00%**	**0.00%**
Wt%	**0.01%**	**0.00%**	**9.27%**	**11.97%**	**77.74%**	**99.25%**	**7.20%**	**0.00%**
NUCLIDE	**Ra-226 Ci%**	**U-235 Ci%**	**Np-237 Ci%**	**Pu-238 Ci%**	**Pu-239 Ci%**	**Pu-240 Ci%**	**Am-241 Ci%**	**Pu-241 Ci%**
SR108165	0.27%	0.00%	0.00%	9.10%	0.00%	23.17%	0.00%	0.00%
SR108166	0.32%	0.00%	0.00%	6.66%	0.00%	2.19%	2.97%	0.00%
SR108167	2.55%	0.00%	0.00%	32.80%	0.00%	64.53%	0.00%	0.00%
SR108169	0.34%	0.00%	0.00%	9.97%	0.00%	1.99%	0.00%	0.00%
SR108170	5.29%	0.00%	0.00%	64.12%	0.00%	30.52%	0.00%	0.00%
SR108172	4.16%	0.00%	0.00%	77.10%	0.00%	18.70%	0.00%	0.00%
SR108173	9.94%	0.00%	0.00%	0.00%	43.98%	46.01%	0.00%	0.00%
SR108174	0.81%	0.00%	0.00%	74.91%	0.00%	24.11%	0.00%	0.00%
SR108175	1.90%	0.00%	0.00%	77.43%	0.00%	20.62%	0.00%	0.00%
SR108179	3.50%	0.00%	0.00%	81.99%	0.00%	14.44%	0.00%	0.00%
SR108180	0.43%	0.00%	0.00%	85.38%	0.00%	14.16%	0.00%	0.00%
SR89797	5.39%	0.00%	0.01%	74.05%	0.00%	20.54%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	31.96%	0.00%	67.67%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	91.09%	0.00%	8.91%	0.00%	0.00%
SR108171	1.41%	0.00%	0.00%	86.33%	0.00%	12.24%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.99%**	**0.00%**	**0.00%**
Ci%	**9.94%**	**0.00%**	**0.01%**	**91.09%**	**43.98%**	**67.67%**	**2.97%**	**0.00%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Am-243 Wt%	Cm-244 Wt%	Cm-245 Wt%
SR108165	0.09%	0.81%	0.00%
SR108166	0.30%	9.04%	0.00%
SR108167	0.08%	0.00%	0.00%
SR108169	0.03%	10.42%	0.00%
SR108170	0.21%	0.00%	0.00%
SR108172	0.07%	0.00%	0.00%
SR108173	0.01%	0.00%	0.01%
SR108174	0.20%	0.00%	0.00%
SR108175	0.09%	0.00%	0.00%
SR108179	0.13%	0.00%	0.00%
SR108180	0.14%	0.00%	0.00%
SR89797	0.03%	0.00%	0.00%
SR108168	0.16%	0.00%	0.00%
SR108172A	0.03%	0.00%	0.00%
SR108171	0.04%	0.00%	0.00%
SUM	**0.01%**	**0.00%**	**0.00%**
Wt%	**0.30%**	**10.42%**	**0.01%**
NUCLIDE	**Am-243 Ci%**	**Cm-244 Ci%**	**Cm-245 Ci%**
SR108165	0.02%	67.43%	0.00%
SR108166	0.01%	87.84%	0.00%
SR108167	0.04%	0.00%	0.00%
SR108169	0.00%	87.69%	0.00%
SR108170	0.06%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%
SR108173	0.02%	0.00%	0.02%
SR108174	0.04%	0.00%	0.00%
SR108175	0.02%	0.00%	0.00%
SR108179	0.02%	0.00%	0.00%
SR108180	0.02%	0.00%	0.00%
SR89797	0.01%	0.00%	0.00%
SR108168	0.09%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%
SR108171	0.00%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.09%**	**87.84%**	**0.02%**

C062

Letter to AK Record

Author: James M. Schoen
CCP AKE

Date: November 18, 2011
Telephone Number: 303-838-6552

Subject: Evaluation of Volume, Period of Generation and Calculation of Individual and Total Radionuclide Masses and Activities for Waste Stream SR-SWMF-SOIL

Data used for the calculations of volumes, dates of generation and radionuclide masses and activities were extracted from an excerpt of the GoWest database and from container paperwork for the individual containers. Waste stream SR-SWMF-SOIL (Soil from cleanup and remediation of spills in and around the burial grounds associated with Bldg 643 G) consists of 15 55-gallon drums (approximately 3.2 cubic meters). The package dates for containers in this waste stream range from August 1976 to August 1979.

Based on an evaluation of the container paperwork, this waste stream is comprised of waste estimated to be greater than 95% by volume soil, including sand, silt, and rock and gravel, with rock and gravel volumes totaling less than 50% of the matrix. Therefore, Waste Matrix Code S4100 for soil is assigned to this waste stream.

Radiological data was available for 100 percent of the container population in waste stream SR-SWMF-SOIL. To determine the "Total Radionuclide Wt%" values in the table below, the gram value for each individual radionuclide was summed over the entire waste stream and then divided by the total radiological mass in the waste stream. In the same way, a calculation was performed for "Total Radionuclide Ci%" using the sum of activity values for each radionuclide over the entire waste.

The "Radionuclide Ci% Range for Individual Containers" was determined by summing the total activity in each container and calculating the curie percent of each radionuclide in each container. To determine the range for a specific radionuclide, the maximum and minimum were identified by reviewing the container-by-container results. The same type calculations were performed to determine the "Radionuclide Wt% Range for Individual Containers" (see attached Excel spreadsheet "SR-SWMF-SOIL Rad Calculations.xlsx").

From this evaluation, Pu-239 and Pu-240 are the two most predominant radionuclides by mass while 95 percent of the hazard is contributed by Cm-244, Am-241, Am-243, and Pu-238. The following table summarizes the results obtained for radionuclide, total radionuclide weight percent, total radionuclide curie percent, radionuclide weight percent range for individual containers, and radionuclide curie percent range for individual containers.

C062

Waste Stream SR-SWMF-SOIL Radiological Characterization

Isotope	Total Radionuclide Wt%[1,5]	Radionuclide Wt% Range for Individual Containers[2]	Total Radionuclide Ci%[3]	Radionuclide Ci% Range for Individual Containers[4]	Suspected Present (Yes/No)
WIPP-Required Radionuclides					
Am-241	0.09%	0.00% - 7.20%	0.38%	0.00% - 2.97%	Yes
Pu-238	1.48%	0.00% - 11.97%	33.16%	0.00% - 91.09%	Yes
Pu-239	**3.27%**	0.00% - 77.74%	0.27%	0.00% - 43.98%	Yes
Pu-240	**94.65%**	22.24% - 99.25%	28.25%	1.99% - 67.67%	Yes
Pu-242	Not Reported				Yes[6]
U-233	Not Reported				No
U-234	Not Reported				No
U-238	Not Reported				No
Cs-137	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Sr-90	Trace	0.00% - Trace	0.04%	0.00% - 0.13%	Yes
Additional Radionuclides					
Am-243	0.13%	0.01% - 0.30%	0.03%	0.00% - 0.09%	Yes
Cm-244	0.35%	0.00% - 10.42%	37.22%	0.00% - 87.84%	Yes
Cm-245	Trace	0.00% - 0.01%	Trace	0.00% - 0.02%	Yes
Eu-154	Trace	0.00% - Trace	Trace	0.00% - 0.01%	Yes
Np-237	0.03%	0.00% - 9.27%	Trace	0.00% - 0.01%	Yes
Pu-241	Trace	0.00% - Trace	Trace	0.00% - Trace	Yes
Ra-226	Trace	Trace - 0.01%	0.60%	0.27% - 9.94%	Yes
U-235	0.00%	0.00%	0.00%	0.00%	Yes

1. This listing indicates the total weight percent of each radionuclide over the entire waste stream.
2. This listing is the weight percent range of each radionuclide on a container-by-container basis. Some containers with "0" listed as the lower range, will not contain the specified radionuclide.
3. This listing indicates the total activity (curie) percent of each radionuclide over the entire waste stream.
4. This listing is the curie percent range of each radionuclide on a container-by-container basis.
5. "Trace" indicates <0.01 weight or curie percent for that radionuclide.
6. Pu-242 cannot be quantified by gamma spectroscopy.

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	SR-90 g	Cs-137 g	Eu-154 g	Ra-226 g	U-235 g	Np-237 g	Pu-238 g	Pu-239 g	Pu-240 g	Am-241 g
SR108165	5.86E-08	9.19E-08	9.39E-09	5.09E-07	0.00E+00	0.00E+00	4.74E-04		9.08E-02	
SR108166	1.71E-08	2.68E-08	1.91E-09	4.16E-07	0.00E+00	0.00E+00	2.36E-04		5.84E-03	5.24E-04
SR108167	2.90E-08	4.54E-08		6.33E-07	0.00E+00	0.00E+00	2.21E-04		3.27E-02	
SR108169	2.79E-08	4.37E-08	1.57E-09	5.14E-07	0.00E+00	0.00E+00	4.06E-04		6.08E-03	
SR108170	1.59E-09	2.50E-09		6.07E-07	0.00E+00	0.00E+00	2.00E-04		7.16E-03	
SR108172	3.59E-09	5.63E-09		2.82E-07	0.00E+00	0.00E+00	1.42E-04		2.59E-03	
SR108173	3.34E-09	5.25E-09		6.08E-07	0.00E+00	0.00E+00		2.01E-02	5.75E-03	
SR108174	1.34E-07	2.10E-07	7.31E-09	5.31E-07	0.00E+00	0.00E+00	1.33E-03		3.22E-02	
SR108175	1.79E-08	2.80E-08	1.40E-09	6.22E-07	0.00E+00	0.00E+00	6.89E-04		1.38E-02	
SR108179	9.07E-09	1.42E-08	1.13E-09	4.12E-07	0.00E+00	0.00E+00	2.62E-04		3.47E-03	
SR108180	5.21E-09	8.17E-09	1.70E-09	1.47E-07	0.00E+00	0.00E+00	7.95E-04		9.92E-03	
SR89797	8.39E-10	1.32E-09		2.17E-07	0.00E+00	1.81E-04	8.10E-05		1.69E-03	
SR108168	1.13E-06	1.77E-06	6.07E-08		0.00E+00	0.00E+00	2.21E-03		3.52E-01	
SR108172A	5.34E-09	8.37E-09			0.00E+00	0.00E+00	1.13E-03		8.31E-03	
SR108171	1.02E-08	1.60E-08		5.46E-07	0.00E+00	0.00E+00	9.05E-04		9.65E-03	
SUM	1.45E-06	2.28E-06	8.51E-08	5.28E-06	0.00E+00	1.81E-04	9.08E-03	2.01E-02	5.82E-01	5.24E-04
Wt%	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**1.48%**	**3.27%**	**94.65%**	**0.09%**
NUCLIDE	**SR-90 Ci**	**Cs-137 Ci**	**Eu-154 Ci**	**Ra-226 Ci**	**U-235 Ci**	**Np-237 Ci**	**Pu-238 Ci**	**Pu-239 Ci**	**Pu-240 Ci**	**Am-241 Ci**
SR108165	8.09E-06	8.09E-06	2.51E-06	2.39E-04	0.00E+00	0.00E+00	8.20E-03	0.00E+00	2.09E-02	0.00E+00
SR108166	2.36E-06	2.36E-06	5.10E-07	1.96E-04	0.00E+00	0.00E+00	4.08E-03	0.00E+00	1.34E-03	1.82E-03
SR108167	4.00E-06	4.00E-06	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.82E-03	0.00E+00	7.52E-03	0.00E+00
SR108169	3.85E-06	3.85E-06	4.19E-07	2.42E-04	0.00E+00	0.00E+00	7.02E-03	0.00E+00	1.40E-03	0.00E+00
SR108170	2.19E-07	2.20E-07	0.00E+00	2.85E-04	0.00E+00	0.00E+00	3.46E-03	0.00E+00	1.65E-03	0.00E+00
SR108172	4.95E-07	4.95E-07	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.46E-03	0.00E+00	5.96E-04	0.00E+00
SR108173	4.61E-07	4.62E-07	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-03	1.32E-03	0.00E+00
SR108174	1.85E-05	1.85E-05	1.95E-06	2.50E-04	0.00E+00	0.00E+00	2.30E-02	0.00E+00	7.41E-03	0.00E+00
SR108175	2.47E-06	2.46E-06	3.74E-07	2.92E-04	0.00E+00	0.00E+00	1.19E-02	0.00E+00	3.17E-03	0.00E+00
SR108179	1.25E-06	1.25E-06	3.02E-07	1.94E-04	0.00E+00	0.00E+00	4.53E-03	0.00E+00	7.98E-04	0.00E+00
SR108180	7.19E-07	7.19E-07	4.54E-07	6.91E-05	0.00E+00	0.00E+00	1.38E-02	0.00E+00	2.28E-03	0.00E+00
SR89797	1.16E-07	1.16E-07	0.00E+00	1.02E-04	0.00E+00	1.29E-07	1.40E-03	0.00E+00	3.89E-04	0.00E+00
SR108168	1.56E-04	1.56E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	8.10E-02	0.00E+00
SR108172A	7.37E-07	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-02	0.00E+00	1.91E-03	0.00E+00
SR108171	1.41E-06	1.41E-06	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.57E-02	0.00E+00	2.22E-03	0.00E+00
SUM	2.01E-04	2.00E-04	2.27E-05	2.84E-03	0.00E+00	1.29E-07	1.57E-01	1.26E-03	1.34E-01	1.82E-03
Ci%	**0.04%**	**0.04%**	**0.00%**	**0.60%**	**0.00%**	**0.00%**	**33.16%**	**0.27%**	**28.25%**	**0.38%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Pu-241 g	Am-243 g	Cm-244 g	Cm-245 g	SUM		SR-90 Wt%	Cs-137 Wt%	Eu-154 Wt%
SR108165	0	8.35E-05	7.43E-04	4.41E-06	9.21E-02		0.00%	0.00%	0.00%
SR108166	0.00E+00	2.16E-05	6.58E-04		7.28E-03		0.00%	0.00%	0.00%
SR108167	0	2.53E-05			3.29E-02		0.00%	0.00%	0.00%
SR108169	0	1.87E-06	7.55E-04		7.24E-03		0.00%	0.00%	0.00%
SR108170	0	1.58E-05			7.38E-03		0.00%	0.00%	0.00%
SR108172	0	1.95E-06			2.73E-03		0.00%	0.00%	0.00%
SR108173	0	2.48E-06		3.30E-06	2.59E-02		0.00%	0.00%	0.00%
SR108174	0	6.61E-05			3.36E-02		0.00%	0.00%	0.00%
SR108175	0	1.31E-05			1.45E-02		0.00%	0.00%	0.00%
SR108179	0	4.89E-06			3.74E-03		0.00%	0.00%	0.00%
SR108180	0	1.46E-05			1.07E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	5.20E-07			1.95E-03		0.00%	0.00%	0.00%
SR108168	0.00E+00	5.56E-04			3.55E-01		0.00%	0.00%	0.00%
SR108172A	0.00E+00	2.58E-06			9.44E-03		0.00%	0.00%	0.00%
SR108171	0.00E+00	4.39E-06			1.06E-02		0.00%	0.00%	0.00%
SUM	0.00E+00	8.15E-04	2.16E-03	7.71E-06	6.15E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Wt%	**0.00%**	**0.13%**	**0.35%**	**0.00%**	**100.00%**	**MAX**	**0.00%**	**0.00%**	**0.00%**
NUCLIDE	**Pu-241 Ci**	**Am-243 Ci**	**Cm-244 Ci**	**Cm-245 Ci**			**SR-90 Ci%**	**Cs-137 Ci%**	**Eu-154 Ci%**
SR108165	0.00E+00	1.69E-05	6.08E-02	7.67E-07	9.01E-02		0.01%	0.01%	0.00%
SR108166	0.00E+00	4.36E-06	5.38E-02	0.00E+00	6.13E-02		0.00%	0.00%	0.00%
SR108167	0.00E+00	5.11E-06	0.00E+00	0.00E+00	1.17E-02		0.03%	0.03%	0.00%
SR108169	0.00E+00	3.78E-07	6.18E-02	0.00E+00	7.04E-02		0.01%	0.01%	0.00%
SR108170	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.40E-03		0.00%	0.00%	0.00%
SR108172	0.00E+00	3.94E-07	0.00E+00	0.00E+00	3.19E-03		0.02%	0.02%	0.00%
SR108173	0.00E+00	5.01E-07	0.00E+00	5.74E-07	2.87E-03		0.02%	0.02%	0.00%
SR108174	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.07E-02		0.06%	0.06%	0.01%
SR108175	0.00E+00	2.65E-06	0.00E+00	0.00E+00	1.54E-02		0.02%	0.02%	0.00%
SR108179	0.00E+00	9.88E-07	0.00E+00	0.00E+00	5.53E-03		0.02%	0.02%	0.01%
SR108180	0.00E+00	2.95E-06	0.00E+00	0.00E+00	1.61E-02		0.00%	0.00%	0.00%
SR89797	0.00E+00	1.05E-07	0.00E+00	0.00E+00	1.89E-03		0.01%	0.01%	0.00%
SR108168	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-01		0.13%	0.13%	0.01%
SR108172A	0.00E+00	5.21E-07	0.00E+00	0.00E+00	2.15E-02		0.00%	0.00%	0.00%
SR108171	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.81E-02		0.01%	0.01%	0.00%
SUM	0.00E+00	1.65E-04	1.76E-01	1.34E-06	4.74E-01	**MIN**	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.00%**	**0.03%**	**37.22%**	**0.00%**	**100.00%**	**MAX**	**0.13%**	**0.13%**	**0.01%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Ra-226 Wt%	U-235 Wt%	Np-237 Wt%	Pu-238 Wt%	Pu-239 Wt%	Pu-240 Wt%	Am-241 Wt%	Pu-241 Wt%
SR108165	0.00%	0.00%	0.00%	0.51%	0.00%	98.58%	0.00%	0.00%
SR108166	0.01%	0.00%	0.00%	3.24%	0.00%	80.22%	7.20%	0.00%
SR108167	0.00%	0.00%	0.00%	0.67%	0.00%	99.25%	0.00%	0.00%
SR108169	0.01%	0.00%	0.00%	5.61%	0.00%	83.94%	0.00%	0.00%
SR108170	0.01%	0.00%	0.00%	2.71%	0.00%	97.07%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%	5.19%	0.00%	94.72%	0.00%	0.00%
SR108173	0.00%	0.00%	0.00%	0.00%	77.74%	22.24%	0.00%	0.00%
SR108174	0.00%	0.00%	0.00%	3.96%	0.00%	95.84%	0.00%	0.00%
SR108175	0.00%	0.00%	0.00%	4.75%	0.00%	95.15%	0.00%	0.00%
SR108179	0.01%	0.00%	0.00%	7.01%	0.00%	92.85%	0.00%	0.00%
SR108180	0.00%	0.00%	0.00%	7.41%	0.00%	92.45%	0.00%	0.00%
SR89797	0.01%	0.00%	9.27%	4.15%	0.00%	86.55%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	0.62%	0.00%	99.22%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	11.97%	0.00%	88.01%	0.00%	0.00%
SR108171	0.01%	0.00%	0.00%	8.57%	0.00%	91.38%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**22.24%**	**0.00%**	**0.00%**
Wt%	**0.01%**	**0.00%**	**9.27%**	**11.97%**	**77.74%**	**99.25%**	**7.20%**	**0.00%**
NUCLIDE	**Ra-226 Ci%**	**U-235 Ci%**	**Np-237 Ci%**	**Pu-238 Ci%**	**Pu-239 Ci%**	**Pu-240 Ci%**	**Am-241 Ci%**	**Pu-241 Ci%**
SR108165	0.27%	0.00%	0.00%	9.10%	0.00%	23.17%	0.00%	0.00%
SR108166	0.32%	0.00%	0.00%	6.66%	0.00%	2.19%	2.97%	0.00%
SR108167	2.55%	0.00%	0.00%	32.80%	0.00%	64.53%	0.00%	0.00%
SR108169	0.34%	0.00%	0.00%	9.97%	0.00%	1.99%	0.00%	0.00%
SR108170	5.29%	0.00%	0.00%	64.12%	0.00%	30.52%	0.00%	0.00%
SR108172	4.16%	0.00%	0.00%	77.10%	0.00%	18.70%	0.00%	0.00%
SR108173	9.94%	0.00%	0.00%	0.00%	43.98%	46.01%	0.00%	0.00%
SR108174	0.81%	0.00%	0.00%	74.91%	0.00%	24.11%	0.00%	0.00%
SR108175	1.90%	0.00%	0.00%	77.43%	0.00%	20.62%	0.00%	0.00%
SR108179	3.50%	0.00%	0.00%	81.99%	0.00%	14.44%	0.00%	0.00%
SR108180	0.43%	0.00%	0.00%	85.38%	0.00%	14.16%	0.00%	0.00%
SR89797	5.39%	0.00%	0.01%	74.05%	0.00%	20.54%	0.00%	0.00%
SR108168	0.00%	0.00%	0.00%	31.96%	0.00%	67.67%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%	91.09%	0.00%	8.91%	0.00%	0.00%
SR108171	1.41%	0.00%	0.00%	86.33%	0.00%	12.24%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.99%**	**0.00%**	**0.00%**
Ci%	**9.94%**	**0.00%**	**0.01%**	**91.09%**	**43.98%**	**67.67%**	**2.97%**	**0.00%**

SR-SWMF-SOIL Rad Calculations.xlsx

Container ID	Am-243 Wt%	Cm-244 Wt%	Cm-245 Wt%
SR108165	0.09%	0.81%	0.00%
SR108166	0.30%	9.04%	0.00%
SR108167	0.08%	0.00%	0.00%
SR108169	0.03%	10.42%	0.00%
SR108170	0.21%	0.00%	0.00%
SR108172	0.07%	0.00%	0.00%
SR108173	0.01%	0.00%	0.01%
SR108174	0.20%	0.00%	0.00%
SR108175	0.09%	0.00%	0.00%
SR108179	0.13%	0.00%	0.00%
SR108180	0.14%	0.00%	0.00%
SR89797	0.03%	0.00%	0.00%
SR108168	0.16%	0.00%	0.00%
SR108172A	0.03%	0.00%	0.00%
SR108171	0.04%	0.00%	0.00%
SUM	**0.01%**	**0.00%**	**0.00%**
Wt%	**0.30%**	**10.42%**	**0.01%**
NUCLIDE	**Am-243 Ci%**	**Cm-244 Ci%**	**Cm-245 Ci%**
SR108165	0.02%	67.43%	0.00%
SR108166	0.01%	87.84%	0.00%
SR108167	0.04%	0.00%	0.00%
SR108169	0.00%	87.69%	0.00%
SR108170	0.06%	0.00%	0.00%
SR108172	0.01%	0.00%	0.00%
SR108173	0.02%	0.00%	0.02%
SR108174	0.04%	0.00%	0.00%
SR108175	0.02%	0.00%	0.00%
SR108179	0.02%	0.00%	0.00%
SR108180	0.02%	0.00%	0.00%
SR89797	0.01%	0.00%	0.00%
SR108168	0.09%	0.00%	0.00%
SR108172A	0.00%	0.00%	0.00%
SR108171	0.00%	0.00%	0.00%
SUM	**0.00%**	**0.00%**	**0.00%**
Ci%	**0.09%**	**87.84%**	**0.02%**

Jim Schoen

From: joseph.price@srs.gov
Sent: Tuesday, December 13, 2011 7:56 AM
To: Jim Schoen
Cc: gilmore.lunsford@srs.gov; mj_papp@msn.com
Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

All chemicals identified in the memo (SRNS-RP-2010-01101) for 773-A and HBL Facilities.

From: "Jim Schoen" <jim.schoen@g.com>
To: <joseph.price@srs.gov>, <gilmore.lunsford@srs.gov>
Cc: <mj_papp@msn.com>
Date: 12/13/2011 09:46 AM
Subject: RE: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

Thanks Joe-
Should all of the chemical constituents associated with F001, F002,and F005 also be assigned to the containers?

James M. Schoen, CCP AKE
Technical Specialists
Washington TRU Solutions Subcontractor
303-838-6552 (office)
303-726-2452 (cell)
jim.schoen@g.com

From: joseph.price@srs.gov [mailto:joseph.price@srs.gov]
Sent: Tuesday, December 13, 2011 5:52 AM
To: gilmore.lunsford@srs.gov
Cc: Jim Schoen; mj_papp@msn.com
Subject: Re: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

Based on the information provided these referenced waste containers were generated from a spill cleanup of 1970's HBL and SRL (773-A) waste containers. Therefore, we agree the appropriate RCRA listed codes would be a combination of both facilities and F001, F002, and F005 should be assigned to all cleanup material generated.

Joe Price
(803) 208-8089
(803) 645-5466 (cell)

From: Gilmore Lunsford/SRNS/Srs
To: Joseph Price/SRNS/Srs@Srs
Cc: mj_papp@msn.com, Jim Schoen <jim.schoen@q.com>
Date: 12/12/2011 03:11 PM
Subject: Fw: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

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Joe, can you help me answer this question(s)?

gfl
----- Forwarded by Gilmore Lunsford/SRNS/Srs on 12/12/2011 03:10 PM -----

From: "Jim Schoen" <jim.schoen@q.com>
To: "'Jeff Lunsford '" <gilmore.lunsford@srs.gov>
Cc: "'Mike Papp'" <mj_papp@msn.com>
Date: 12/12/2011 03:07 PM
Subject: SR-SWMF-HET-B and SR-SWMF-SOIL RCRA Characterization

---

Hi Jeff-

The SRS-12 HET-B and Soil waste streams have F001 and F005 assigned to them in the Go West database. Can you tell me if SRS has identified the specific F-listed constituents in these containers (see attached list) for these listed codes? If not, are you willing to state that any F001, F002, and F005 constituent may be present in this waste; or will you at least agree with our characterization that they might be? (by the way, they are the same constituents assigned to HET-A for F001, F002, and F005)

Thanks!

James M. Schoen, CCP AKE
Technical Specialists
Washington TRU Solutions Subcontractor
303-838-6552 (office)
303-726-2452 (cell)
jim.schoen@q.com

Savannah River
Nuclear Solutions LLC
A Fluor Daniel Partnership

INTEROFFICE MEMORANDUM

August 9, 2010

SRNS-RP-2010-00010
RSM Track #: 10807

To: D. M. Cole, 707-7F
B. R. Hoeffner, 704-34E

From: J. K. Price, 707-5E

Environmental Guidance for Laboratory Analysis of Legacy Waste

Aqueous and non-aqueous waste found inside Solid Waste Management (SWM) containers with assigned RCRA listed codes, are subject to RCRA disposal requirements unless the waste is determined to no longer contain the listed constituent. To make this hazardous waste determination requires analytical data for each RCRA listed constituents assigned to the container. The attached "Legacy TRU Waste RCRA Listed Constituents" table is provided to identify pre 1990 facility specific RCRA listed constituents requiring laboratory analysis.

The table was generated by reviewing the "Acceptable Knowledge" (AK) from the various facilities and selecting the chemical compounds that were most likely used for their degreasing or solvent properties. If a chemical was listed as present in the AK, but was unlikely used as a degreasing agent or solvent, then it was omitted from the list (i.e., Xylene is listed as present in the AK, it was use in felt tip markers).

Aqueous HBL's in the table were derived from the SRS Investigative-Derived Waste (IDW) Management Plan Appendix A. Non-Aqueous HBL's are based upon Appendix B of the IDW Management Plan. When analytical data is not available the Appendix A HBL value can be used as the reported value for the listed hazardous constituent. The HBL's in this table are to be used as a guide only, the ECA will use the most current revision of the IDW Management Plan to ensure analytical results are compared to the most current HBL's

If you have any questions pertaining to this guidance please contact the SMW ECA.

References:

1. SRS Investigative-Derived Waste (IDW) Management Plan (WSRC-RP-94-1227) most current rev., October 2007
2. Memo G. F. Hayford to D. Beeler, "Environmental Guidance for Management of Water/Sludge/Contact Waste Found in Solid Waste Management Containers" (SRNS-RP-2010-01101) July 28, 2010
3. Memo Joe Price to David Cole/Renee Hoeffner, Assigning RCRA Hazardous Waste Codes to Legacy Job control

cc: L. K. Lavallee, 704-60E
M. G. Looper, 704-36E
W. J. Maloney, 705-3C
H. W. Morris, 705-3C
L. C. Martin, 705-3C
G. F. Hayford, 705-3C
J. K. Price, 707-5E
I. C. Riddick, 707-5E
T. E. Cochran, 704-58E
J. E. Hyatt, 705-3C
SW Files, 705-3C
WMAP Records Management, 766-H
Records Administration, 773-52A

Legacy TRU Waste RCRA Listed Constituents

Facility - Pad 1 Mound

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	Methylene chloride	75-09-2	5.00	9.10
F002	Tetrachloroethylene	127-18-4	5.00	0.48
F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F002	Trichloroethylene	79-01-6	5.00	0.053
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600.00
F004	Nitrobenzene	98-95-3	20.00	20.00
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - Pad 1 LANL (LASL)

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	Methylene chloride	75-09-2	5.00	9.10
F002	Tetrachloroethylene	127-18-4	5.00	0.48
F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F002	Trichloroethylene	79-01-6	5.00	0.053
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Pyridine	110-86-1	5000.00	61.00
F005	Benzene	71-43-2	5.00	0.64
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - FB-Line

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Toluene	108-88-3	1000.00	520.00
F005	Isobutanol	78-83-1	1800.00	13000.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

Legacy TRU Waste RCRA Listed Constituents

Facility - 772-F

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001	Tetrachloroethylene	127-18-4	5.00	
F001	1,1,1-Trichloroethane	71-55-6	200.00	0.48
F001	Trichloroethylene	79-01-6	5.00	0.053
F001	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

Facility - 235-F

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	0.48
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600.00
F001 & F002	Trichlorfluromethane (Freon 11)	75-69-4	1300.00	390.00

Facility - HB-Line

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600

Facility - 773-A

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001	Tetrachloroethylene	127-18-4	5.00	0.48
F001	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001	Trichloroethylene	79-01-6	5.00	0.053
F001	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

Legacy TRU Waste RCRA Listed Constituents

Combined Waste Stream

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F001 & F002	Methylene chloride	75-09-2	5.00	9.10
F001 & F002	Tetrachloroethylene	127-18-4	5.00	0.48
F001 & F002	1,1,1-Trichloroethane	71-55-6	200.00	1200.00
F001 & F002	Trichloroethylene	79-01-6	5.00	0.053
F001 & F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F001 & F002	Trichlorfluromethane (Freon 11)	75-69-4	1300.00	390.00
F004	Nitrobenzene	98-95-3	20.00	20.00
F005	Isobutanol	78-83-1	1800.00	13000.00
F005	Methyl ethyl ketone (2-Butanone)	78-93-3	2000.00	4000.00 [2]
F005	Toluene	108-88-3	1000.00	520.00
F005	Pyridine	110-86-1	5000.00	61.00
F005	Benzene	71-43-2	5.00	0.64

Facility - AGNS

EPA Hazardous Waste Codes	Constituent	CAS #	Appendix A HBL, ug/l	TCLP Eq. or Appendix B HBL, mg/Kg
F002	1,1,2-Trichloro--1,2,2-Trifloroethane (Freon 113) [1]	76-13-1	59000.00	5600
F005	Pyridine	110-86-1	5000.00	61.00
F005	Toluene	108-88-3	1000.00	520.00

1. Freon 113 HBL was Obtained from EPA region 9 PRG Table
2. RCA TCLP equivalent

DIVIDER

PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: DR001
Waste Stream Number(s): SR-RH-221H.01, SR-W027-221H-HET (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☑ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ Correspondence ☑ Discrepancy Resolution ☐ Miscellaneous ☐ Internal Procedure or Note ☐ Published Document or Controlled Database ☐ Unpublished Data
Title of Source Document: Discrepancy Resolution: Physical Form Leaded Gloves	
Source Document Reference Information (author(s), document and revision number, date, publisher): Ben S. Gutierrez, 03/21/2003, LANL	

AK # [a]	Source Doc. Page # [b]	AK Information Summary
PR4, WS8, S4	Throughout	Nature of Discrepancy: AK information indicated that there is > 80 percent volume of organic waste in this waste stream with the remainder composed of lead which is inorganic. Source documents are inconsistent regarding volume percent organic and percent inorganic for this waste stream. Possibly one of the reasons for this inconsistency was due to reporting by waste generators they only accounted for the rubber component of the glovebox glove and failed to account for the lead lining. The analysis indicates that the majority of waste containers are greater than 80 percent by volume, organic, with an average organic volume of 99 percent. It should be noted that, although nearly all the drums in this waste stream are expected to contain lead-lined gloves, estimated to be between 56-74 weight percent lead, the contents were routinely categorized as 100 percent organic (Reference C014). This practice resulted in an artificially high average volume percent organic for the waste stream. HB-Line, was documented to contain mostly lead and plastic. This was identified in waste descriptions provided by generators. Also, based on the waste material parameter estimated information shows approximately 75 weight percent leaded gloves, it is clear that this waste stream consists primarily of leaded gloves. The data did not include volume percent organic data based on HB-Line specific documentation including process knowledge that confirms SRS TRU waste for this waste stream SR-W026-221H-HET-A is >80 percent rubber debris with a high fraction of lead by volume. This data shows that, aside from packaging materials, the most common waste materials present in TRU waste in this stream on a weight basis are inorganic materials/metals and rubber, although these do not necessarily predominate on a volume basis, due to their differing densities (References M011, M015). Based on available descriptions identifying very little metal other than lead (References M014, M066), the "other metal" and "other inorganic material" waste material parameters are anticipated to describe primarily lead. Together, these materials and rubber comprise more than 70 percent of the waste stream by weight. Resolution: Based on the information provided above it is documented that the volume percent organic for this waste stream will exceed 80 percent. One interview with three HB-Line generators discusses the requirement to separate combustible from non-combustible waste,

CCP RECORDS ORIGINAL
DATE REC'D 11-16-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: DR001
AK # [a]	Source Doc. Page # [b]	AK Information Summary
		circa 1973-75. This segregation of combustibles and non-combustibles resulted in the waste being approximately 75-80 volume percent plastic (Reference C098). It should be noted that, although nearly all the drums in this waste stream are expected to contain Lead-lined gloves, estimated to be between 56-74 Weight percent lead, the contents were routinely categorized as 100 percent organic (Reference C014). The HB-Line procedures in place directed facility personnel to complete steps necessary to ensure storage in accordance with the SRS Solid Waste Division WAC and WIPP WAC in effect at the time of waste packaging. Facility personnel also determine whether or not the waste was hazardous under RCRA. Personnel responsible for ID and packaging of waste were RCRA trained and given procedures to identify the waste content code, volume percent organic, and applicable hazardous constituents to record on a Waste ID Slip (OSR 48-380) (Reference P015) for each waste cut generated. Any constituents causing the waste to be RCRA hazardous were identified and certified (by generator signature) on one or more of the forms In addition to leaded gloves described in almost all containers in this waste stream (Reference M066), examples of other container-specific waste items described on packaging forms (Reference M014, M052) include: • job control waste • wipes, swipes (in 3% of containers) • paper, tape (in 17% of containers) • plastics (including bag port bags, in 77% of containers)) • neutralization kit (in 2% of containers) • gloves (both Pb-lined and non Pb-lined) • Pb-lined apron • Al foil • absorbents (in 1% of containers) • breaker box • tools (in 2% of containers) HB-Line, was documented to contain mostly lead and plastic. This was identified in waste descriptions provided by generators. Also, based on the waste material parameter estimated information shows approximately 75 weight percent leaded gloves, it is clear that this waste stream consists primarily of leaded gloves. Based on process knowledge and previously described physical form information, waste matrix code S5311 is applied. The definition of this Waste Matrix Code found in the DOE Waste Treatability Group Guidance (Reference 5), is as follows: S5311 describes waste which is estimated to be 80 percent by volume, or more, plastic or rubber debris materials that contain a high fraction of lead or lead compounds. Examples of waste that might be included in this category are leaded glovebox gloves or aprons.

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: DR001
Source Document Data Limitations (If any): 1. None	
Acceptable Knowlege Expert: Lisa Watson , _____ Date: 11-16-11 Print /Sign	
[a] Obtain from Acceptable Knowledge Documentation Checklist [b] For microfilm or microfiche, identify box, tape, reel number and location.	

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Attachment 13 - Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number[5]: SR-W026-221H-HET-A

Waste Stream Description: Hazardous Debris Waste (Post 90)

AK Documentation Type: [X] TRU Waste Management Program Information [X] Waste Stream Specific Information [X] Supplemental Information

AK Source Document Discrepancy Form Tracking Number: **DR001**

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
C014	Correspondence	Memo to C.R. Goetzman: Annual Surveillance of HB-Line TRU Waste Certification Program	OPS-WMT-890114	M.A. Ebra	August 28, 1989	Westinghouse Savannah River Company	See summary
C019	Correspondence	Memo to E.L. Albenesius: Expected Volume of TRU-Contaminated Waste SRL and SRP, 1977-1996		P.H. Permar	June 20, 1977	SRL	See summary
C027	Correspondence	Memo to M.A. Ebra: Annual Surveillance of HB-Line TRU Waste Certification Program August 28, 1989	OPS-SHB-890039	B.S. Bush	October 24, 1989	Westinghouse Savannah River Company	See summary
C032	Correspondence	Memo to M. O'Rear re: SR Information on TRU Waste Characterization in Support of the WIPP No-Migration Variance Petition		R. Garvin	January 4, 1990		See summary
C094	Correspondence	Record of Communication - Interview with Mr. Sogge RE: TRU Waste Generation in Old HB-Line		G.F. Lunsford, J.W. Barber	December 13, 2002		See summary
C098	Correspondence	Record of Communication for Interview of K. Menger, T. Reilly, S. Bowers, and E. Dillon	CCP-TP-005, Rev. 10	J. Whitworth, J. Lunsford	December 10, 2002		See summary
C105	Correspondence	Record of Communication for Interview of G. Roberts, B. Bush, and M. Minor	CCP-TP-005, Rev. 10	J. Whitworth, A. Hallman, W. Estill, S. Fevig, J. Lunsford	November 20, 2002		See summary
C136	Correspondence	Record of Communication for Interview of C. Ryberg and R. Mahannah		J. Whitworth	December 5, 2002		See summary
C139	Correspondence	RCRA Characterization of SRS-Produced Plutonium Oxide	NMS-EHB-970073	R.A. Vohden	March 12, 1997		See summary
C152	Correspondence	Record of Communication for Interview with G. Blackburn, B. Smith, C. McClard, C. Byrd, and F. Loudermilk	Revision 0	J. Whitworth	August 29, 2002	Unpublished	See summary
D005	Pub.	Characterization of HB-Line Transuranic (TRU) Waste (UCNI)	NMS-EHB-990045, Revs 0, 2, and 3	L. Tran	September 1991 - April 2001	Separations HB-Line Facility	See summary
D013	Pub.	Storing Solid Radioactive Wastes at the Savannah River Plant	DP-1366	J.H. Horton, J.C. Corey	Post September 1975		See summary
D020	Pub.	Safety Analysis — 200 Area Savannah River Plant Burial Ground Operations	DPSTSA-200-10, SUPP-8	Science Applications International Corporation	October 1988		See summary

ORIGINAL

D021	Pub.	System Plan for the Solid Waste Division	WSRC-RP-99-01092, Volume II, Revision 2	Westinghouse Savannah River Company	December 30, 1999		See summary
D025	Pub.	Savannah River Site Approved Site Treatment Plan, 1997 Annual Update Vol. I and Savannah River Site - Mixed Waste Approved Site Treatment Plan	WSRC-TR-94-0608, Volume I and II, Revision 4 and 5		April 15, 1996 to March 20, 1997		See summary
D031	Pub.	Savannah River Site Transuranic Waste Program	SWE-SWE-96-0195, Revision 0	J.A. Blankenhorn	May 15, 1997	Westinghouse Savannah River Company	See summary
D032	Pub.	Transuranic Waste Vent and Purge Timeline and Authorization Basis Chronology (Discovery Unreviewed Safety Question and References)	WSRC-TR-98-00154, Revision 0	E.B. Donner, W.T. Goldston	June 2, 1998	Westinghouse Savannah River Company	See summary
D067	Pub.	Separations HB-Line Facility Transuranic (TRU) Waste Certification Plan	NMS-EHB-990044, Revision 0, 2,3, 4		July 1999 to June 28, 2001	Westinghouse Savannah River Company	See summary
M011	Unpublished Data	Go West Database Query		S. Mentrup	December 13, 2002	Unpublished	See summary
M014	Unpublished Data	Burial Ground Records and TRU Waste Package Data Forms		SRS Waste Generators	Varies	Unpublished	See summary
M026	Correspondence	SR-W027 DOE Waste Stream Questionnaire from DOE National Core Mixed and TRU Waste Data Requirements (from MTI)	Revision 0		December 7, 1996		See summary
M034	Unpublished Data	Presentation: Savannah River Site Mixed Waste Streams Data and Photo Catalog			March 30, 1996.	Savannah River Site	See summary
M037	Internal Procedure or Note	Contingency Plan for Transuranic Waste Storage Pads and Experimental TRU Waste Assay Facility/ Waste Certification Facility (ETWAF/WCF)			February 1997		See summary
M052	Pub.	COBRA Database Update		Steve Mentrup	January 2002		See summary
M066	Unpublished Data	HB-Line AK Tracking Spreadsheet	, Revision 0	J. Whitworth	12/30/02	Unpublished	See summary
P014	Internal Procedure	Packaging and Sealing TRU Waste in 55-Gallon Drums (U)	NOP 221-HB-4720, Revisions 11-19, 23, 24, 29		January 1997 to October 2001	HB-Line	See summary
P015	Internal Procedure or Note	Cabinet Bagport Operations (U)	NOP 221-HB-4927, Revisions 7-10, 13, 14, 22		September 1996 to October 2001	HB-Line	See summary
P026	Internal Procedure	Handling TRU Waste (U)	ADM 221-HB-4712, Revision 7-9, Draft A		November 1996 to January 1998	NMSP/HB-Line	See summary
P073	Internal Procedure	Completing TRU Waste Burial Records and TRU Waste Data Package	D-103, REF 221-HB-4725, Revision 5, 6, 7, 8	Corbett, R.D.	March 31, 1991, 3/17/93 to 1/12/99		See summary
P096	Internal Procedure	Operating Gamma Pulse Height Analyzer for Pu-238 Waste	DPSOL 221-HB-2298, Revision 0	Separations Department	September 1975	Separations Department	See summary

Nature of Discrepancy:
AK information indicated that there is > 80 percent volume of organic waste in this waste stream with the remainder composed of lead which is inorganic. Source documents are inconsistent regarding volume percent organic and percent inorganic for this waste stream. Possibly one of the reasons for this inconsistency was due to reporting by waste generators they only accounted for the rubber component of the glovebox glove and failed to account for the lead lining. The analysis indicates that the majority of waste containers are greater than 80 percent by volume, organic, with an average organic volume of 99 percent. It should be noted that, although nearly all the drums in this waste stream are expected to contain lead-lined gloves, estimated to be between 56-74 weight percent lead, the contents were routinely categorized as 100 percent organic (Reference C014). This practice resulted in an artificially high average volume percent organic for the waste stream.
HB-Line, was documented to contain mostly lead and plastic. This was identified in waste descriptions provided by generators. Also, based on the waste material parameter estimated information shows approximately 75 weight percent leaded gloves, it is clear that this waste stream consists primarily of leaded gloves. The data did not include volume percent organic data based on HB-Line specific documentation including process knowledge that confirms SRS TRU waste for this waste stream SR-W026-221H-HET-A is >80 percent rubber debris with a high fraction of lead by volume. This data shows that, aside from packaging materials, the most common waste materials present in TRU waste in this stream on a weight basis are inorganic materials/metals and rubber, although these do not necessarily predominate on a volume basis, due to their differing densities (References M011, M015). Based on available descriptions identifying very little metal other than lead (References M014, M066), the "other metal" and "other inorganic material" waste material parameters are anticipated to describe primarily lead. Together, these materials and rubber comprise more than 70 percent of the waste stream by weight.

Resolution: Based on the information provided above it is documented that the volume percent organic for this waste stream will exceed 80 percent. One interview with three HB-Line generators discusses the requirement to separate combustible from non-combustible waste, circa 1973-75. This segregation of combustibles and non-combustibles resulted in the waste being approximately 75-80 volume percent plastic (Reference C098). It should be noted that, although nearly all the drums in this waste stream are expected to contain Lead-lined gloves, estimated to be between 56-74 Weight percent lead, the contents were routinely categorized as 100 percent organic (Reference C014). The HB-Line procedures in place directed facility personnel to complete steps necessary to ensure storage in accordance with the SRS Solid Waste Division WAC and WIPP WAC in effect at the time of waste packaging. Facility personnel also determine whether or not the waste was hazardous under RCRA. Personnel responsible for ID and packaging of waste were RCRA trained and given procedures to identify the waste content code, volume percent organic, and applicable hazardous constituents to record on a Waste ID Slip (OSR 48-380) (Reference P015) for each waste cut generated. Any constituents causing the waste to be RCRA hazardous were identified and certified (by generator signature) on one or more of the forms

In addition to leaded gloves described in almost all containers in this waste stream (Reference M066), examples of other container-specific waste items described on packaging forms (Reference M014, M052) include:

- job control waste
- wipes, swipes (in 3% of containers)
- paper, tape (in 17% of containers)
- plastics (including bag port bags, in 77% of containers))
- neutralization kit (in 2% of containers)
- gloves (both Pb-lined and non Pb-lined)
- Pb-lined apron
- Al foil
- absorbents (in 1% of containers)
- breaker box
- tools (in 2% of containers)

HB-Line, was documented to contain mostly lead and plastic. This was identified in waste descriptions provided by generators. Also, based on the waste material parameter estimated information shows approximately 75 weight percent leaded gloves, it is clear that this waste stream consists primarily of leaded gloves. Based on process knowledge and previously described physical form information, waste matrix code S5311 is applied. The definition of this Waste Matrix Code found in the DOE Waste Treatability Group Guidance (Reference 5), is as follows: S5311 describes waste which is estimated to be 80 percent by volume, or more, plastic or rubber debris materials that contain a high fraction of lead or lead compounds. Examples of waste that might be included in this category are leaded glovebox gloves or aprons.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Ben S. Gutierrez (Print) _____ (Sign) Date: 03/21/03

Site Project Manager: S.M. Peterman (Print) _____ (Sign) Date: 3/22/03

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

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Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
DR001	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~500~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. ST 5-7-09	4-29-09	2
N/A	TP-005, Rev. 11 - Discrepancy Resolution: Physical Form Leaded Gloves	~~03/18/03~~ CA 7-2-09	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☒	Cheryl Armijo (Signature)	CHERYL ARMIJO (Printed Name)	7-2-09 (Date)
Records Rejected ☐	(Signature)	(Printed Name)	(Date)

Reason for Rejection: N/A

Re-submittal:

(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2424
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/02 10:33
USAGE T	00'21
PGS. SENT	1
RESULT	OK

Controlled Copy

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
DR001	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~600~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. CT 5-7-09	4-29-09	2
N/A	TP-005, Rev. 11 - Discrepancy Resolution: Physical Form Leaded Gloves	~~03/18/03~~ CA 7-7-09	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted ☑ [signature] CHERYL ARMIJO 7-7-09

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Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR002

Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-B, SR-MD-HOM-C, SR-MD-SOIL

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☐ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☑ D - Discrepancy Resolution
☑ Additional Information	☐ M - Miscellaneous or Memo
	☐ P - Published Document or Controlled Database
	☐ I - Internal Procedure or Note
	☐ U - Unpublished Data

Title of Source Document: Discrepancy Resolution for Soil/Debris

Source Document Reference Information (author(s), document and revision number, date, publisher): Jeff Harrison, DR002, 8/17/05

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS2, WS8, WS12, S6	all	Discrepancy resolving the difference between the 1995 TWBIR for Mound and SRS. EPA codes are corrected.

Source Document Data Limitations (if any):

1. The TWBIR for SRS is general and not specific to Mound.

Acceptable Knowlege Expert:

Lisa Watson

Print

Sign

Date: 11-16-11

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

CCP RECORDS ORIGINAL
DATE REC'D 11-16-11

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Attachment 11 - Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-MD-SOIL

Waste Stream Description: Soil/Debris

AK Documentation Type: ☐TRU Waste Management Program Information ☒Waste Stream Specific Information ☒Supplemental Information

AK Source Document Discrepancy Form Tracking Number: **DR002 (Revision 1)**

Tracking #	Category[a]	Title	Document/ Rev#	Author	Date	Publisher	Page #
C011	Corr.	Interview /Ron Goss	Rev. 1	B. Gutierrez J. McTaggart D. Blauvelt	4/22/03 5/21/03	N/A	11, 18
C016	Corr.	Interview / Ron Saun	Rev. 1	B. Gutierrez J. McTaggart D. Blauvelt	6/4/03	N/A	1, 2
C019	Corr.	Interview / Mike Deaton	Rev. 1	B. Gutierrez J. McTaggart D. Blauvelt	6/5/03	N/A	1
I001	Pub.	Transuranic Waste Baseline Inventory Report	DOE/CAO-95-1121	N/A	12/95	DOE Carlsbad Area Office	P-MD-5 – P-MD-10
I045	Unpub.	TRU Waste Certification Task Sludge From the Waste Disposal Plant	N/A	N/A	Undated	N/A	2, 3
I071	Unpub.	Memorandum Re: TRU Waste Baseline Inventory Waste Profile	N/A	S. Lott	2/20/02	N/A	P-SR-89
I090	Pub.	Operable Unit 9, Site Scoping Report; Volume 7 - Waste Management (OU9)	Rev. 0	N/A	2/93	Mound Plant	35, 69, 81, 95 – 97, 119 – 121, 161, 212
M061	Unpub.	Sample and Analysis Plan-West Asphalt (SM/PP Hill), E-mails Re: Data Review & Validation of West Asphalt Soil Sampling and Spreadsheets with West Asphalt Gamma Spec., Metals, Semi-volatiles, and Volatiles data.	N/A	Various	Various	N/A	Various

AK Documentation Type: ☐TRU Waste Management Program Information ☒Waste Stream Specific Information ☒Supplemental Information

AK Source Document Discrepancy Form Tracking Number: **DR002 (Revision 1)**

Tracking #	Category[a]	Title	Document/ Rev#	Author	Date	Publisher	Page #
M062	Unpub.	R/SW Sampling & Analysis Plan, and R/SW Phase 1 Data Review & Validation and Data Evaluation Summary for TCLP Metals and Volatiles, and PCBs	N/A	Various	Various	N/A	Various
P020	Pub.	Characterization of Mounds Hazardous, Radioactive, and Mixed Waste	MLM-ML-90-48-0001	A. Fentirman	8/15/90	Mound	Various
P096	Pub.	1996 and 1998 Chemical Inventory and 1991 Carcinogen list.	N/A	N/A	1991, 1996, 1998	Mound Industrial Hygiene	Various
P100	Pub.	Mound Quality Control Plan for the Control of Radioactive Waste	N/A	N/A	10/82	Monsanto Research Corporation, Mound	52, 53, 55
U001	Unpub.	2990 Information on Shipments to SRS	N/A	N/A	Various	N/A	Various
U003	Unpub.	List of Chemicals and Materials in TRU Waste Content Codes	DOE/WIPP 89-004	N/A	6/89 8/97 7/00	DOE Carlsbad Area Office	5-6 MD-5 MD-3

Nature of Discrepancy: The 1995 TWBIR (Ref. I001) for the Mound facility indicates that the soil and soil/debris streams are not TRU mixed waste (i.e., no EPA Codes are assigned). In the updated TWBIR for SRS (Ref. I071), the Mound inventory has been included in a generic waste stream (ID # W027-999-HET) for all off-site facilities. The EPA Codes for this generic stream are not correlated to the specific generating facility. They are D001, D003, D004, D006 – D009, D011, D018, D019, D022 – D026, F001 – F003, F005, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, and U239.

TRU Waste Input Forms (Ref. U001) completed by Mound are consistent with the 1995 TWBIR in that no EPA Codes are assigned to this soil/debris waste stream. SRS container documentation (29-90 forms) was completed for each container shipped from Mound to SRS. The 29-90 forms do not list any EPA Codes for the soil/debris waste stream (Ref. U001).

Resolution: Because the TWBIR update for SRS is not specific to Mound, and the EPA Codes for this general stream (ID # W027-999-HET) are not traceable to Mound generation sources, this information will be disregarded in the assignment of EPA Codes. The discussion below addresses the EPA Codes assigned to this waste stream based on hazardous constituents identified in other documentation.

Toxicity Characteristic Metals

D004 (arsenic)
Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. Arsenic was used for analysis in R Bldg (P020) and was identified in R Bldg chemical inventories (P096). Even though analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D004 will be conservatively applied to the soil/debris waste stream.

D005 (barium)
Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. Barium was used for analysis in R Bldg (P020) and was identified in R Bldg chemical inventories (P096). Even though analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D005 will be conservatively applied to the debris waste stream.

D006 (cadmium)
Cadmium is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T2 which is defined as low ppm range (U003). The regulatory level for cadmium is 1 mg/L (equivalent to 1 ppm) by TCLP. Although only expected in the low ppm range, and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D006 will be conservatively applied to the soil/debris waste stream.

D007 (chromium)
Chromium is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T2 which is defined as low ppm range (U003). The regulatory level for chromium is 5 mg/L (equivalent to 5 ppm) by TCLP. Although only expected in the low ppm range, and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D007 will be conservatively applied to the soil/debris waste stream.

D008 (lead)
Lead is identified as a contaminant in WD Building influent from analytical laboratories (I045, P100). The soil was generated in part by the cleanup of a pipe break on the hillside near WD Building. The pipe that ruptured carried wastewater to WD Building. Therefore, it is assumed that the soil was contaminated with the lead from this wastewater.

Toxicity Characteristic Metals (cont.)

Lead is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T1 which is defined as less than 1% by weight (U003). The regulatory level for lead is 5 mg/L (equivalent to 5 ppm) by TCLP. Although only expected in concentrations of less than 1% by weight (equivalent to 10,000 ppm), and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D008 will be conservatively applied to the soil/debris waste stream.

D009 (mercury)

Mercury is identified as a contaminant in WD Building influent from analytical laboratories (I045, P100). The soil was generated in part by the cleanup of a pipe break on the hillside near WD Building. The pipe that ruptured carried wastewater to WD Building. Therefore, it is assumed that the soil was contaminated with the mercury from this wastewater.

Mercury is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T2 which is defined as low ppm range (U003). The regulatory level for mercury is 0.2 mg/L (equivalent to 0.2 ppm) by TCLP. Although only expected in the low ppm range, and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D009 will be conservatively applied to the soil/debris waste stream.

D010 (selenium)

Selenium is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T2 which is defined as low ppm range (U003). The regulatory level for selenium is 1 mg/L (equivalent to 1 ppm) by TCLP. Although only expected in the low ppm range, and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D010 will be conservatively applied to the soil/debris waste stream.

D011 (silver)

Silver is listed as a trace contaminant of soil (IDC 842). Specifically, it is listed as T2 which is defined as low ppm range (U003). The regulatory level for silver is 5 mg/L (equivalent to 5 ppm) by TCLP. Although only expected in the low ppm range, and analytical results indicate the metals are less than their respective regulatory levels, these data do not represent the entire population of soil (M061 and M062). Therefore, EPA hazardous waste code D011 will be conservatively applied to the soil/debris waste stream.

F-Listed Solvents

F002

Trichloroethylene is identified as a contaminant in WD Building influent from SM Building (I090, P065). Trichloroethylene was historically used for degreasing in SM Building. The soil was removed from the area under and immediately surrounding SM Building. Soil was also generated by the cleanup of a pipe break on the hillside near WD Building. The pipe that ruptured carried wastewater to WD Building. Therefore, it is assumed that the soil was contaminated with the trichloroethylene spent solvent.

F002 (cont.)

Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. It is assumed that solvents used in SW and R Buildings could potentially be present in the soil. The following F002-listed solvents were used in these facilities:

— 1,1,1-Trichloroethane was used for solvent extraction in R Bldg (I090) and cleaning in SW Bldg (P020).

— 1,1,2-Trichloroethane was identified in a generator interview (C016), but the use was not specified. Although the exact use of this constituent has not been determined, it is assumed to have been used for its solvent properties.

— 1,1,2-Trichloro-1,2,2-trifluoroethane was used for degreasing in SW (C019) and was identified in an R Building chemical inventory (P096)

— Chlorobenzene was identified in an R Bldg chemical inventory (P096). Although the exact use of this constituent has not been determined, it is assumed to have been used for its solvent properties.

— ortho-Dichlorobenzene was identified in a generator interview (C016), but the use was not specified. Although the exact use of this constituent has not been determined, it is assumed to have been used for its solvent properties.

— Methylene chloride was used for solvent extraction in R Bldg (I090), ultrasonic cleaning in R Bldg (P020), and was listed in R Bldg chemical inventories (P096).

— Tetrachloroethylene was used as a solvent in SW Building (C019).

F003

Acetone and methanol were identified as contaminants in WD Building influent from SM and PP Building (I045, I090, P065, P100). Acetone was historically used in the PP north analytical line and for cleaning in both SM and PP Buildings. Methanol was used degreasing in SM Building. The soil was removed from the area under and immediately surrounding SM Building. Soil was also generated by the cleanup of a pipe break on the hillside near WD Building. The pipe that ruptured carried wastewater to WD Building. Therefore, it is assumed that the soil was contaminated with acetone and methanol spent solvents.

Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. It is assumed that solvents used in SW and R Buildings could potentially be present in the soil. The following F003-listed solvents were used in these facilities:

— Acetone was used for ultrasonic cleaning in R Bldg (P020) and cleaning in SW (C019, P020).

— Cyclohexanone was identified in an R Bldg chemical inventory (P096) and during a single generator interview (C016). Although the exact use of this constituent has not been determined, it is assumed to have been used for its solvent properties.

— Methanol was used for cleaning in SW (P020).

— Xylene was used for cleaning and polishing in SW (P020) and was listed in chemical inventories for R Building (P096).

— The only source for n-butyl alcohol, ethyl acetate, ethyl benzene, ethyl ether, and methyl isobutyl ketone was a single generator interview (C016). The use of these compounds was not specified in the interview. Although the exact use of these constituents has not been determined, it is assumed they were used for their solvent properties.

F003 (cont.)
F003-listed solvents are listed solely for the ignitable characteristic and no longer exhibit the characteristic of ignitability in the soil waste. However, due to their presence in the waste stream and for consistency with previous SRS AK Summary Reports, EPA hazardous waste code F003 is applied.

F004
Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. It is assumed that solvents used in SW and R Buildings could potentially be present in the soil. The following F004-listed solvents were used in these facilities:

— Nitrobenzene was listed in a chemical inventory in R-Building (P096). A generator interview (C016) also identified nitrobenzene as being used but no specific use was provided. Although the exact use of nitrobenzene has not been determined, it is assumed to have been used for its solvent properties.

F005
Soil generated from remediation of a segment of the WTS underground transfer lines between SW and R Buildings and north of WD Building has been added to this waste stream. It is assumed that solvents used in SW and R Buildings could potentially be present in the soil. The following F005-listed solvents were used in these facilities:

— Toluene was used for cleaning and polishing in SW (C019, P020) and was listed in chemical inventories R Building (P096).

— Benzene and pyridine were listed in a chemical inventory in R-Building (P096). A generator interview (C016) also identified these compounds as being used but no specific use was provided. Although the exact use of these compounds has not been determined, it is assumed they were used for their solvent properties.

— The only source for 2-ethoxyethanol, 2-nitropropane, carbon disulfide, isobutanol, and methyl ethyl ketone was generator interviews (C011, C016). The use of these compounds was not specified in the interviews. Although the exact use of these constituents has not been determined, it is assumed they were used for their solvent properties.

F-Listed Electroplating Wastes

F007 and F009
Copper, gold, and sodium cyanide plating solutions were used in the plating shops. The plating solutions were reused and generally recycled, but when necessary, they were dumped into a large underground tank that connected to the plant sanitary sewer (the old SD Plant). The cascade rinse systems also drained to the underground tank (I090). There is a potential that seepage of the underground lines coming into SD Building contaminated the surrounding soil. These lines were located near the WTS line that ruptured in 1969. It is assumed that the soil generated from remediation of this area could contain trace amounts of cyanide. The listing description for F007 is spent cyanide plating bath solutions from electroplating operations. The listing description for F009 is spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process. The soil potentially contaminated with these spent solutions is therefore assigned EPA Codes F007 and F009.

Discrepancy Resolved: ☒ Yes ☐ No

Acceptable Knowledge Expert: Jeff Harrison (Print) / (Sign) Date: 8/11/05

Site Project Manager: Steve Rose (Print) / (Sign) Date: 8-24-05

* Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

DIVIDER PAGE

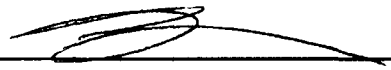
Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR006
Waste Stream Number(s): SR-MD-HET, SR-MD-HOM-A, SR-MD-HOM-C, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☑ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title of Source Document: Discrepancy Resolution. Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET.	
Source Document Reference Information (author(s), document and revision number, date, publisher): J. Harrison, Document and Revision Number: NA, 8/17/2005	

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS1, WS9, S9	Throughout	*Discrepancy:* According to generator paperwork (U001), there are 53 55-gallon drums containing mostly soil. These drums were evaluated and included in waste stream SR-MD-SOIL. In preparation for shipment of 10 randomly selected SR-MD-SOIL waste stream drums to INL for coring/sampling and totals analysis, RTR was performed on the 10 drums (M064). The waste material parameter weights on the RTR data sheets for these drums indicated that the drums were not an S4000 waste stream. However, these RTR results were rejected because the RTR operator had not previously completed the capability demonstration for a S4000 waste stream (I.e., this RTR cannot be used for WIPP certification purposes). A senior RTR operator and SME reviewed the RTR tapes and concured with the determination that soil and gravel comprised <50% of the waste volume in all but one the drums. Based on this informal review, the remaining drumswere sent through an RTR fast scan process (M064) for the purpose of ensuring that only S4000 drums were sent to INL for coring/sampling. *Resolution:* Of the population of 53 drums, the non-certified RTR (M064) indicated that only 13 drums contained >50%, by volume, soil. The 40 drums that are not predominately soil will be removed from the SR-MD-SOIL waste stream. These drums will be evaluated for inclusion in waste stream SR-MD-HET in accordance with Section 4.9 of CCP-TP-005. This evaluation will be documented in Attachment 8 - Waste Containers for waste stream SR-MD-HET.

CCP RECORDS ORIGINAL
DATE REC'D 11-4-11

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR006
Source Document Data Limitations (if any): 1. None	
Acceptable Knowlege Expert: Sherry Auckland /  Date: 10/27/2011 Print /Sign	
[a] Obtain from Acceptable Knowledge Documentation Checklist [b] For microfilm or microfiche, identify box, tape, reel number and location.	

DIVIDER PAGE ONLY

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Attachment 11 - Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-MD-SOIL

Waste Stream Description: Soil with Smaller Amounts of Debris

AK Documentation Type: ☐TRU Waste Management Program Information ☒Waste Stream Specific Information ☒Supplemental Information

AK Source Document Discrepancy Form Tracking Number: **DR006**

Tracking #	Category [a]	Title	Document/ Rev#	Author	Date	Publisher	Page #
M064	Unpub.	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison. Subject: SR-MD-SOIL.	N/A	S. Rose	8/10/05	N/A	All
U001	Unpub.	2990 Information on Shipments to SRS	N/A	SRS/Mound	Various	N/A	Various

Nature of Discrepancy: According to generator paperwork (U001), there are 53 55-gallon drums containing predominantly soil. These drums were evaluated and included in waste stream SR-MD-SOIL. In preparation for shipment of 10 randomly selected SR-MD-SOIL waste stream drums to INL for coring/sampling and totals analysis, real-time-radiography (RTR) was performed on these 10 drums (M064). The waste material parameter weights on the RTR data sheets for these 10 drums indicated that the drums were not an S4000 waste stream. However, these RTR results were rejected because the RTR operator had not previously completed the capability demonstration for a S4000 waste stream (i.e., this RTR cannot be used for WIPP-certification purposes). A senior RTR operator and subject matter expert reviewed the RTR tapes and concurred with the determination that soil and gravel comprised <50% of the waste volume in all but one of the drums. Based on this informal review, the remaining drums were sent through an RTR fast scan process (M064) for the purpose of ensuring that only S4000 drums were sent to INL for coring/sampling.

Resolution: Of the population of 53 drums, the non-certified RTR (M064) indicated that only 13 drums contained more than 50 percent, by volume, soil. The 40 drums that are not predominantly soil will be removed from waste stream SR-MD-SOIL. These drums will be evaluated for inclusion in waste stream SR-MD-HET in accordance with Section 4.9 of CCP-TP-005. This evaluation will be documented in Attachment 8 – Waste Containers for waste stream SR-MD-HET.

Discrepancy Resolved: ☒ Yes ☐ No

Acceptable Knowledge Expert: Jeff Harrison (Print) / (Sign) Date: 8/17/05

Site Project Manager: Steve Rose (Print) / (Sign) Date: 8-30-05

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Waste Stream Number(s): SR-RH-221H.01

Site(s): Savannah River Site	Source Document Tracking Number: DR013
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Supporting Information	Category: ☐ Published Document or Controlled Database ☐ Unpublished Data ☐ Internal Procedure or Note ☐ Correspondence ☑ Discrepancy

Title of Source Document: Consolidation of waste streams

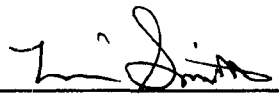
Source Document Reference Information (author(s), document and revision number, date, publisher): David B Becker, 10/27/03

AK # [a]	Source Doc. Page # [b]	AK Information Summary
WS8, WS9, WS11, WS12	Throughout	It has been determined that SRS waste management practices conducted after January 25, 1990 may have included hazardous materials (including leaded gloves) in the streams without the appropriate EPA Hazardous waste numbers applied. The D008 code for lead will be conservatively applied to all drums in the HET-B waste stream. The HET-A and HET-B waste streams will be consolidated into the SR-W027-221H-HET waste stream. D007 will not be applied to the aggregate waste stream.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Travis Smith /  Date: 4/29/2009

Print /Sign

[a] Obtain from Acceptable Knowledge Documentation Checklist
[b] For microfilm or microfiche, identify box, tape, reel number and location.

ORIGINAL

DIVIDER PAGE ONLY

Not part of page count

Attachment 13 - Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-W026-221H-HET-A, SR-W026-221H-HET-B, SR-W027-221H-HET

Waste Stream Description: Heterogeneous dry organic debris by volume

AK Documentation Type: ☐TRU Waste Management Program Information ☒Waste Stream Specific Information ☐Supplemental information

AK Source Document Discrepancy Form Tracking Number: DR013

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
M066	Unpub	HB-Line AK Tracking Spreadsheet	0	Julia Whitworth	3/13/03	n/a	see drum #s
C163	Corr	Re-evaluation of Savannah River Site HB-Line Waste Streams	CP:03:01504	Sue Peterman	10/16/03	n/a	through out

Nature of Discrepancy: It has been determined that SRS waste management practices conducted after January 25, 1990 may have included hazardous materials (including leaded gloves) in the streams without the approprialte EPA Hazardous waste numbers applied.

4 BSC 11/14/03

Resolution: A re-evaluation of the CCP-AK-SRS-~~0~~ hazardous debris waste streams SR-W027-221H-HET, SR-W026-221H-HET-A, and SR-W026-221H-HET-B was conducted. Based on this re-evaluation of the existing AK and precedence established for subsequent CCP AK reports, it has been determined that it is appropriate to conservatively consolidate these three mixed waste streams into a single waste stream (SR-WO27-221H-HET) with the following EPA Hazardous Waste Numbers assinged: D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133.

Additionally, the assignment of D007 to HET-A was determined to be questionable during the re-evaluation. This assignment was based solely on five drums in this waste stream assigned D007 on the TWPD forms by the generator. No justification for this assignment was available and the research conducted for the HB-Line debris (DR011) concluded that the potential sources for chromium contamination in the waste would not result in the waste stream being characteristic for this compound. These five drums will be conservatively removed from the aggregate waste stream until such time that the supporting AK is sufficient to incorporate them into the stream or the code will be applied to the stream if these containers are included without such documentation. See the attached discussion for further justification.

ORIGINAL

Discrepancy Resolved: ☒ Yes ☐ No

Acceptable Knowledge Expert: David B Becker / David B Becker Date: 10/27/03
Print Sign

Site Project Manager: Sue Peterman / Susan M Peterman Date: 10/27/03
Print Sign

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

Consolidation of the SR-W026-221H-HET-A and SR-W026-221H-HET-B Waste Streams into the SR-W027-221H-HET Waste Stream

A request for re-evaluation of the SRS HB-Line debris waste streams was initiated by SPM Sue Peterman (Letter CP:03:01504, dated October 16, 2003). The identification of leaded gloves in waste stream SR-W026-221H-HET-B (HET-B), calls into question the assignment of EPA Hazardous Waste Codes to this waste stream and also to SR-W026-221H-HET-A (HET-A), in addition to the segregation of the HET-A, HET-B, and SR-W027-221H-HET (HET) debris waste streams. Based on an evaluation of the existing AK and precedence established for subsequent CCP AK reports, it has been determined that it is appropriate to consolidate these three mixed waste streams into a single waste stream.

The WIPP Hazardous Waste Facility Permit Waste Analysis Plan (WAP) defines a waste stream as waste material generated from a single process or from an activity that is similar in material, physical form and hazardous constituents. As described in CCP-AK-SRS-4 (Revision 2), these streams consist of the Job Control Waste (IDC 001) debris inventory generated by operations in the Building 221, HB-Line from December 1972 through February 2002. The initial AK assessment of the inventory segregated containers based on SRS historical waste management practices (pre and post January 1990) and specific hazardous constituents (lead and chromium in HET-A) identified on container documentation.

The following EPA Hazardous Waste Numbers are currently assigned to these mixed debris waste streams as identified in CCP-AK-SRS-4, Revision 2:

HET: D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133
HET-A: D007, D008, F003
HET-B: F003

Drums of debris generated prior to January 25, 1990, were designated as a hazardous stream in the TWIBR due to historical chemical usage and the uncertainty of proper segregation and management of solvent contaminated rags up to that time. HET-A and HET-B include the mixed debris generated after January 25, 1990, and were determined to be mixed with F003 solvents. HET-A includes those containers assigned D008 and D007 for drums that the generators identified either lead or chromium TWPD forms.

Based on subsequent AK confirmation and research conducted for subsequent AK Reports (i.e., CCP-AK-SRS-5), the SRS waste management practices did not preclude the use of RCRA regulated compounds by the SRS operations and do not clearly document appropriate segregation of hazardous materials from the debris containers. For example, lead materials have been found in containers previously characterized as non-hazardous for this compound and the use of RCRA solvents has been documented for other SRS processes. During the AK research conducted for CCP-AK-SRS-5 it was determined that solvents were used and may not have been segregated from the streams.

Additionally, the assignment of D007 to HET-A was determined to be questionable during the re-evaluation. This assignment was based solely on five drums in this waste stream (570544, 570545, 570546, 570547, 570548) assigned D007 on the TWPD forms by the generator. No justification for this assignment was available and the research conducted for the HB-Line debris (DR011) concluded that the potential sources for chromium contamination in the waste would not result in the waste stream being characteristic for this compound. These five drums will be conservatively removed from the aggregate waste stream until such time that the supporting AK is sufficient to incorporate them into the stream or the code will be applied to the stream if these containers are included without such documentation.

The aggregate waste stream, SR-W027-221H-HET will therefore carry the following hazardous waste codes: D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133.

No additional training will be required for this aggregate waste stream.

- Waste Generating Process and Physical Form

All three waste streams were generated primarily by routine operational activities (housekeeping/cleaning, process equipment adjustments, radiological surveys, etc.) and preventive and corrective maintenance associated with Pu production, scrap recovery, and sample analyses and disposal (Sections 5.3, 6.3, 7.3). Waste was generated primarily from areas inside process cabinets or gloveboxes, huts erected around glovebox entry ports, or areas contaminated with radioactive material adjacent to the process cabinets/gloveboxes (Sections 5.1, 6.1, 7.1).

Each waste stream is mostly heterogeneous dry organic debris by volume, with the balance being composed of inorganic debris and absorbed liquids. The waste in each waste stream is described as 'Job Control Waste.' Container-specific waste items are similar among the three waste streams.

The HET waste stream consists of booties, lab coats, floor sweepings, labware, rags, small tools and equipment, and other job control waste, including lead-lined gloves. Although the analysis of available vol% data for the HET waste stream shows an average vol% of 86%, the practice of categorizing Pb-lined gloves as 100% organic means that this number is artificially high. If approximately ¼ of the HB Line debris waste consists of leaded gloves, as is the case with post-1990 waste, this would result in an average vol% organic of approximately 71% (Section 5.4.1). Based on this analysis, combining the HET-A and HET-B waste streams (which consist of the same materials) into the HET waste stream will not significantly alter the overall ratio of volume percent organic to volume percent inorganic.

Therefore, the aggregate waste stream will carry a Waste Matrix Code of S5440. Expected waste material parameters include Fe-based metals, Al-based metals, other metals, other inorganic materials (such as glass and ceramic), cellulosics, rubber, plastics (waste material), organic matrix, steel (packaging), and plastics (packaging). The waste stream will consist of booties, lab coats, floor sweepings, labware, rags, small tools and equipment, and other job control waste, including lead-lined gloves.

No additional training will be required for this aggregate waste stream.

- Radiological Properties

Although waste streams are not delineated based on radiological properties, the WAC requires the two most prevalent radionuclides of a waste stream to be determined, along with ratios of the ten WIPP-tracked radionuclides. The following table shows this information for the aggregate waste stream:

Radionuclides (from WIPP WAC)	Weight Percent
Sr-90	Trace
Cs-137	Trace
U-233	Trace
U-234	0.215%
U-238	2.613%
Pu-238	49.592%
Pu-239	16.541%
Pu-240	1.865%
Pu-242	0.101%
Am-241	0.013%
Other Radionuclides	
Np-237	22.751%
U-235	3.989%
U-236	1.694%

The two most prevalent radionuclides, by mass, are Pu-238 and Np-237. It should be noted, however, that Pu-239 is nearly as prevalent as Np-237 and might, in drums with recent generation dates, be the most prevalent radionuclide as a result of a Pu-239 campaign.

Forty-six containers were generated containing over 100 grams of U-238 each. Because these containers are a unique subpopulation, they were not considered to determine the prevalent radionuclides or weight percents listed above. The table below shows isotopic information for these containers:

High U-238 containers (46)	
Radionuclides	Weight Percent
Pu-238	0.065%
Pu-239	0.813%
Pu-240	0.110%
Pu-241	0.005%
Pu-242	0.002%
U-234	0.010%
U-235	0.542%
U-236	1.508%
U-238	96.946%

Tables 5-4, 6-4, and 7-4 of revision 2 of the AK summary report show other radionuclides that may be expected in the waste stream, along with a corresponding weight percent range for individual drums.

As stated in the AK report, radionuclide content and isotopic distribution may vary considerably on a drum-by-drum basis due to the isotopic variability of the processes housed at HB-Line, since waste cuts from several different projects, each with a unique isotopic distribution, were placed together in a single drum.

No additional training will be required for this aggregate waste stream.

DIVIDER PAGE ONLY

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Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 4021 National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

☒ Original Record
☐ Fax Record
☐ E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
DR013	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~586~~ 650. The title of this Attachment 3 is listed below on the second line of this transmittal. C 5-7-09	429-09	1
N/A	- Consolidation of waste streams	10/27/03 CA 7-2-09	N/A

Comments
Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

Records Accepted	☒	Cheryl Armijo (Signature)	CHERYL ARMIJO (Printed Name)	7-2-09 (Date)
Records Rejected	☐	(Signature)	(Printed Name)	(Date)

Reason for Rejection: N/A

Re-submittal:	(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2456
CONNECTION TEL	92347056
SUBADDRESS	
CONNECTION ID	
ST. TIME	07/02 14:55
USAGE T	00'18
PGS. SENT	1
RESULT	OK

Controlled Copy

Attachment 2 - CCP Records Transmittal/Receiving Form

CCP Central Records / Records Custodian, 402[illegible] National Parks Highway - MS: GSA 203, Carlsbad, New Mexico 88220

Telephone Number: 505-234-7523

Fax Number: 505-234-7014

- [x] Original Record
- [ ] Fax Record
- [ ] E-mail Record

Attn:	Sheila Pearcy	From:	Travis Smith
Ship to:	CCP Central Records/ CCP Records Custodian	Site:	Savannah River Site, CCP-AK-SRS-600
	4021 National Parks Highway - MS GSA 203, Carlsbad, NM 88220	Company:	TechSpecs
		Telephone Number:	(575) 302-1007
Telephone Number:	575-234-7523	Date Sent:	5-6-09

Document Number	Title/Description	Record Date	Total Pages
DR013	Attachment 3 - Acceptable Knowledge Source Document Summary for CCP-AK-SRS-~~600~~ 600. The title of this Attachment 3 is listed below on the second line of this transmittal. 5-7-09	429-09	1
N/A	- Consolidation of waste streams	10/~~27~~/03 CA 7-2-09	N/A

Comments

Please make a copy of the above reference source document from the CCP-AK-SRS-4 record files and place it with the above transmitted Attachment 3

Acceptance/Rejection Signature and Date

[illegible] CHERYL ARMIJO [illegible]

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: DR006
Waste Stream Number(s): SR-SWMF-HET-B (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☑ DR - Discrepancy Resolution ☐ M - Miscellaneous data ☐ P - Procedures
Title or Description of Source Document [a]: Discrepancy Resolution for Application of EPA HWNs to Waste Stream SR-SWMF-HET-B	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jim Schoen, Document Number: DR006, Rev. NA, 6/5/2013	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS8, WS12	Throughout	NATURE OF DISCREPANCY: Based on the AK collected for waste stream SR-SWMF-HET-B containers, EPA HWN F005 is assigned for the presence of benzene, carbon disulfide, methyl ethyl ketone, 2-nitropropane, pyridine, and toluene. Recent CCP Headspace Gas Summary Data tentatively identified 2-ethoxyethanol in the sample data batch. Since 2-ethoxyethanol was not reported as an F005 listed hazardous constituent in the waste stream, a resolution to the discrepancy is required. RESOLUTION: The sample population for the headspace gas summary for the waste stream was based upon seven of the eight original containers in the waste stream. Six of those seven containers have subsequently been removed from the waste stream, thereby removing all of the containers in which 2-ethoxyethanol was tentatively identified. The original container IDs include: SR108180, SR79150, SR79177, SR79178, SR79179, SR79182, SR92624, and SR92625; while the current container inventory includes: SR108180, SR607474, SR607480, SR607482, and SR607486. Therefore, F005 will not be applied to waste stream SR-SWMF-HET-B for 2-ethoxyethanol. A freeze file change has been submitted to add a sentence to the end of the first paragraph of Section 6.4.3.3 of CCP-AK-SRS-12, Rev. 7 to read "2-ethoxyethanol was tentatively identified in several containers in the headspace gas sample data batch for this waste stream; however, the containers in which 2-ethoxyethanol was tentatively identified are no longer included in the waste stream. Therefore, F005 is not listed for the solvent 2-ethoxyethanol".

NTPC RECORDS ORIGINAL
DATE REC'D 9/11/13 SP

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site	Source Document Tracking Number: DR006
Source Document Data Limitations (if any): 1. None.	
Acceptable Knowlege Expert: Jesse Montoya / [signature] Print /Sign	Date: 8/28/13

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 10 - Acceptable Knowledge Re-evaluation Checklist

Site(s): Savannah River Site (SRS-12)
Waste Stream Number(s): SR-SWMF-HET-B
Waste Stream Description(s): Heterogeneous Debris from SWMF Spills and Remediation
NCR numbers(s) if applicable: N/A

Inconsistency between waste characterization and acceptable knowledge information (describe):

Based on the AK collected for waste stream SR-SWMF-HET-B containers, EPA HWN F005 is assigned for the presence of benzene, carbon disulfide, methyl ethyl ketone, 2-nitropropane, pyridine, and toluene.

Recent CCP Headspace Gas Summary Data tentatively identified 2-ethoxyethanol in the sample data batch. Since 2-ethoxyethanol was not reported as an F005 listed hazardous constituent in the waste stream, a resolution to the discrepancy is required. The sample population for the headspace gas summary for the waste stream was based upon seven of the eight original containers in the waste stream. Six of those seven containers have subsequently been removed from the waste stream, thereby removing all of the containers in which 2-ethoxyethanol was tentatively identified. Therefore, F005 will not be applied to waste stream SR-SWMF-HET-B for 2-ethoxyethanol.

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA hazardous waste number assignments. [c]	Yes	No changes to EPA HWNs required (reference DR006)
If differences exist in the EPA hazardous waste numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	Yes	No changes to EPA HWNs required (reference DR006)
Reassess and document all sampling and analytical data associated with the waste. [c]	Yes	No changes to EPA HWNs required (reference DR006)
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	N/A	Not a WMC issue
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and confirmation information associated with the new information. [c]	N/A	Not an NDA issue
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	DR006 documents the HWN discrepancy
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA hazardous waste numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	Yes	A freeze file to CCP-AK-SRS-12 has been submitted to address the HWN discrepancy.

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. Ensure that if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

NTPC RECORDS ORIGINAL
DATE REC'D 10/10/13 SP

Acceptable Knowledge Expert:

James M. Schoen _____ Date: 06/05/2012
Print Sign

Site Project Manager:

Beverly Schrock BSSchrock Date: 6/10/13
Print Sign

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-SWMF-HET-B (CCP-AK-SRS-12)

Waste Stream Descriptions: Heterogeneous Debris from SWMF Spills and Remediation

AK Source Document Discrepancy Form Tracking Number: SRS-12 DR006 – Application of EPA HWNs to Waste Stream SR-SWMF-HET-B

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
N/A	Pub.	CCP AK Summary Report for Savannah River Site Solid Waste Management Facility	CCP-AK-SRS-12, Rev. 7	CCP	04/16/2013	CCP	45 & 46
N/A	Pub.	CCP Headspace Gas Summary Data, SR-SWMF-HET-B, Lot Number 1	CCP-TP-002 Rev. 25	N/A	05/20/2013	CCP	All
N/A	Proc.	Tentatively Identified Compound (TIC) data for SR-SWMF-HET-B CCP Headspace Gas Summary Data	N/A	N/A	05/20/2013	N/A	All

NATURE OF DISCREPANCY:

Based on the AK collected for waste stream SR-SWMF-HET-B containers, EPA HWN F005 is assigned for the presence of benzene, carbon disulfide, methyl ethyl ketone, 2-nitropropane, pyridine, and toluene.

Recent CCP Headspace Gas Summary Data tentatively identified 2-ethoxyethanol in the sample data batch. Since 2-ethoxyethanol was not reported as an F005 listed hazardous constituent in the waste stream, a resolution to the discrepancy is required.

RESOLUTION:

The sample population for the headspace gas summary for the waste stream was based upon seven of the eight original containers in the waste stream. Six of those seven containers have subsequently been removed from the waste stream, thereby removing all of the containers in which 2-ethoxyethanol was tentatively identified. The original container IDs include: SR108180, SR79150, SR79177, SR79178, SR79179, SR79182, SR92624, and SR92625; while the current container inventory includes: SR108180, SR607474, SR607480, SR607482, and SR607486. Therefore, F005 will not be applied to waste stream SR-SWMF-HET-B for 2-ethoxyethanol.

A freeze file change has been submitted to add a sentence to the end of the first paragraph of Section 6.4.3.3 of CCP-AK-SRS-12, Rev. 7 to read "2-ethoxyethanol was tentatively identified in several containers in the headspace gas sample data batch for this waste stream; however, the containers in which 2-ethoxyethanol was tentatively identified are no longer included in the waste stream. Therefore, F005 is not listed for the solvent 2-ethoxyethanol".

Discrepancy Resolved:	[X] Yes [ ] No		
Acceptable Knowledge Expert:	James M. Schoen Print	 Sign	Date: 6/05/2013
Site Project Manager:	Beverly Schrock Print	BSSchrock Sign	Date: 6/10/13

[a]Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

	CAS Number	000110-80-5	00079-46-9	000123-91-1					
	Analyte	2-Ethoxyethanol	2-Nitropropane	1,4-Dioxane					
Container ID	Batch Number								
SR79177	ECL12019M	400.00							
SR79178	ECL12019M	410.00							
SR79179	ECL12019M	510.00							
SR79182	ECL12019M	220.00	14.00						
SR92624	ECL12019M	130.00							
SR92625	ECL12019M	360.00							
SR607474	ECL13002M			0.50					

Supporting Documentation
9/3/13

CCP Headspace Gas Summary Data

Waste Stream # SR-SWMF-HET-B Lot Number (s) 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
2-Ethoxyethanol	510.00	6.00	50.00%
2-Nitropropane	14.00	1.00	8.33%
1,4-Dioxane	0.50	1.00	8.33%

Note - 2-Ethoxyethanol was present in over 25% of the samples. Due to the Facility Permit no longer requiring sampling for RCRA hazardous waste number (HWN) verification, 2-Ethoxyethanol will not need to be added to the target analyte list. 2-Ethoxyethanol carries a HWN of F005. However, F005 is already associated with this waste stream and no additional actions are required.

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 5/20/2013

Supporting Documentation
9/3/13

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Savannah River Site	Source Document Tracking Number: DR011
Waste Stream Number(s): SRS-CH-LIBRARY-01 (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedures ☑ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]: Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM	
Source Document Reference Information (author(s), document and revision number, date, publisher): Mike Papp, Document Number and Revision: NA, 04/04/2013	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS2, WS8, WS12, S9	Throughout	Nature of Discrepancy: The Central Characterization Program (CCP) Acceptable Knowledge (AK) Summary Report for Savannah River Site (SRS) Fuel Fabrication Facility Transuranic Waste, CCP-AK-SRS-14, was created to characterize two waste streams including SR-W027-321M-HOM. Waste stream SR-W027-321M-HOM consists of a single drum of contact-handled (CH) transuranic (TRU) mixed homogeneous solid waste generated at the Building 321-M Fuel Fabrication Facility in Area M. Specifically, the waste was generated during maintenance operations and includes absorbed excess leaded oil used for lubrication of billets prior to extrusion of the plutonium target tubes in Building 321-M. CCP certified solid sampling and analysis of homogeneous waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit (UCL90) exceeded the program required quantitation limit (PRQL) for this analyte (see attached CCP Solids Analysis VOC UCL90 Evaluation Form). As required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan (WIPPWAP) (reference Attachment C4-3e, prior to the March 13, 2013 revision), the waste will be evaluated to determine if an additional Environment Protection Agency (EPA) hazardous waste number should be assigned. Resolution: Historical Waste Management: SRS historically managed the containers in this waste stream as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream determined this waste may be contaminated with F-listed hazardous waste. F002 was assigned to the waste stream for the presence of tetrachloroethylene and methylene chloride used for cleaning of the extrusion press pit (References P036 and M023). The presence of trichloroethylene was not identified in the available AK documentation and is evaluated below. F001 Listed Constituents: F001 listed solvents methylene chloride, tetrachloroethylene, and trichloroethylene were identified as being present in the waste stream. However, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor

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DATE REC'D 10/10/13

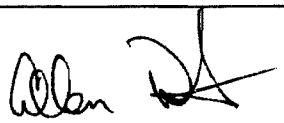
Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Savannah River Site		Source Document Tracking Number: DR011
AK # [b]	Source Doc. Page # [c]	AK Information Summary
		degreasing on an industrial scale. This waste was generated during maintenance operations, not during large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream. F002 Listed Constituents: F002 listed solvents tetrachloroethylene (detected in 4 of 5 samples but below the PRQL) and trichloroethylene were detected in the solid sampling. As discussed above, F002 is already assigned to the waste stream for the presence of tetrachloroethylene and methylene chloride (which was not detected in solid sampling) (References P036 and M023). A re-evaluation was performed and no potential source of trichloroethylene was found in the available AK documentation. As required by the W1PP-WAP (prior to the March 13, 2013 revision), hazardous waste number F002 is conservatively assigned to the waste stream for trichloroethylene because the source of the constituent could not be identified. Therefore, EPA hazardous waste number F002 is assigned to waste stream SR-W027-321M-HOM for methylene chloride, tetrachloroethylene, and trichloroethylene. Toxicity Characteristic Constituents: The waste stream is assigned D008 for the presence of lead, which was also detected in the solid sampling above the regulatory level. Other toxic metals were also detected in the solid sampling but they were present below regulatory levels. As discussed above, toxicity characteristic compounds tetrachloroethylene (D039) and trichloroethylene (D040) are present in the waste stream. However, the more specific EPA hazardous waste number F002 has been assigned to the waste stream and the assignment of the corresponding toxicity characteristic EPA hazardous waste number is not necessary (i.e., D039, D040). Therefore, these characteristic EPA hazardous waste numbers are not assigned to the waste stream. In conclusion, waste stream SR-W027-321M-HOM is assigned EPA hazardous waste numbers D008 and F002. An AK re-evaluation has also been performed for waste stream SR-WD27-321M-HOM to address the presence of trichloroethylene.

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson /  Date: 04/04/2013

Print /Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

DR011

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution

Waste Stream Number(s): SR-RL-BCLDP.001

Waste Stream Description: BCLDP RH Debris from Building JN-1 Hot Cell Laboratory

AK Documentation Type: [X] TRU Waste Management Program Information [X] Waste Stream Specific Information [X] Supplemental Information							
AK Source Document Discrepancy Form Tracking Number: DR011 – RCRA Hazardous Waste Number Assignment Discrepancy Report							
Tracking #	Category[a]	Title	Document/Rev #	Author	Date	Publisher	Page #
N/A	Pub.	CCP AK Summary Report for Battelle Columbus Laboratories Decommissioning Project (BCLDP) Remote-Handled Transuranic Debris Waste From the Building JN-1 Hot Cell Laboratory	CCP-AK-SRS-500	CCP	5/17/2007	N/A	Section 5.4.2
P501	Pub.	Building JN-1 Hot Cell Laboratory Acceptable Knowledge Document	TCP-98-03, Rev. 2	Kevin Peters	8/2001	N/A	Table 3.4 and Table 3.5
P511	Pub.	Technical Basis Document, Acceptable Knowledge Process Description, Repackaging of Building JN-1 Clean-Up Waste Containers	TCP-98-03.1.2, Rev. 2	Kevin Peters	7/2001	N/A	Section 6.0, 8.0, and 9.0
P512	Pub.	Technical Basis Document, Acceptable Knowledge Process Description TRU Waste Laundry Decontamination	TCP-98-03.1.3, Rev. 2	Kevin Peters	6/2001	N/A	Section 3.0l
U510	Unpub.	2005 Waste Profile Sheets Submitted to Hanford	Draft	P. Weaver	N/A	N/A	All
U511	Unpub.	2002 Approved Hanford Waste Profile Sheets	Draft 3a	J. Eide	6/19/2002	N/A	All

Nature of Discrepancy:

Based on a review the AK sources relating to historic RCRA characterization for containers in waste stream SR-RL-BCLDP.001, assignment of EPA HWNs is inconsistent between sources, including historic BCLDP AK reports and the waste stream profile forms prepared for original shipment of the BCLDP waste to Hanford. The Waste Profile Sheets (References U510 and U511) completed by BCLDP for shipment of the RH waste to Hanford do not assign any HWNs to the Battelle waste steams. During CCP review of the AK source documentation, several sources identified the use of listed solvents during historic operations and the potential for the waste materials to contain RCRA compounds.

Resolution:

To assign EPA HWNs to waste stream SR-RL-BCLDP.001, the available AK documentation was reviewed by CCP to determine possible chemical contaminants introduced during historical hot cell operations and BCLDP operations for the debris containers. The attached table summarizes the EPA HWNs assigned by CCP to waste stream SR-RL-BCLDP.001 and the primary sources of AK used to assign EPA HWNs.

BCLDP report TCP-98-03, Building JN-1 Hot Cell Laboratory Acceptable Knowledge Document (P501) was originally prepared by the program to characterize potential TRU waste materials "as-is" in the JN-1 hot cells to be packaged during the BCLDP program. For this reason, HWNs D001, D002, D003, and F003 were assigned for potentially ignitable, corrosive, or reactive materials that may have existed in the inventory prior to final BCLDP waste segregation and packaging. BCLDP managed these materials (e.g., free liquids, organic liquids, pressurized containers, reactive metals) as prohibited items and verified the absence of these items during packaging. Therefore, assignment of HWNs D001, D002, D003, and F003 (assigned solely for ignitability) was not appropriated for waste SR-RL-BCLDP.001.

BCLDP reports TCP-98-03.1.2 (P511) and TCP-98-03.1.3 (P512) provide the characterization for debris waste materials in waste stream SR-RL-BCLDP.001, including organic debris, inorganic debris, and filters. These reports assign EPA HWN F001 for solvents including carbon tetrachloride, methylene chloride, 1,1,1-trichloroethane, and trichloroethylene. Based on recent CCP characterization practices, the assignment of F001 has been limited to "large-scale" degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. Large-scale degreasing operations were not conducted in JN-1, and therefore, EPA HWN F001 is not assigned to this waste stream. For this reason F002 is assigned for methylene chloride, 1,1,1-trichloroethane, and trichloroethylene and D019 has been assigned for carbon tetrachloride. HWN D004 was not originally assigned for debris waste materials by BCLDP; however, D004 was assigned to the container of cemented slugs in Source P511 (dissolved fuel materials) and has been detected in samples of pool filters and resins (DR006, P075, P076, DR010, P511). For this reason D004 has been assigned to the debris waste stream assuming that this dissolved metal may contaminate the waste from dissolved or soluble metals associated with the metallurgical examination of these materials.

The Hanford Waste Profile Sheets (U510 and U511) were prepared in anticipation that the BCLDP RH waste would be shipped to Hanford; only 3 shipments of debris waste (20 drums) were actually shipped. These profiles were prepared in accordance with Hanford waste acceptance criteria and waste characterization requirements. The RH waste sent was characterized at non-RCRA regulated waste based on these requirements and consistent with the low level BCLDP waste sent to Hanford. Even though a portion of this waste was to be managed as non-hazardous by Hanford, the WIPP-WAP requires a conservative assignment of EPA HWNs to TRU waste streams that lack analytical evidence demonstrating that these constituents would have not exceeded the regulatory thresholds; and therefore, the HWNs listed in the AK Summary Report (D004, D005, D006, D007, D008, D009, D011, D019, F002, and F005) will be assigned to the containers in waste stream SR-RL-BCLDP.001.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Kevin J. Peters / [signature] Date: 6/29/2007
Print Sign

Site Project Manager: Larry Porter / [signature] Date: 7/2/07
Print Sign

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

BEST AVAILABLE
CD 1/19/2012

AK Assignment of EPA HWNs to Containers in Waste Streams SR-RL-BCLDP.001

EPA HWN	CCP-AK-SRS-500	P501	P511	P512
F001		X	X	X
F002	X	X	X	X
F003		X		
F005	X	X	X	X
D001		X		
D002		X		
D003		X		
D004	X		X*	
D005	X	X	X	X
D006	X	X	X	
D007	X	X	X	X
D008	X	X	X	X
D009	X	X	X	X
D011	X	X	X	X
D019	X			

* Assigned for cemented slugs.

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution - Volatile Organic Compounds (VOCs) Detected in Solid Sampling and Analysis of Waste Stream SR-W027-321M-HOM

Waste Stream Number(s): SR-W027-321M-HOM (CCP-AK-SRS-14)

Waste Stream Description: Absorbed Billet Lubricating Oil Waste

AK Source Document Discrepancy Form Tracking Number: **DR011**

Tracking #	Category[a]	Title	Document/ Rev#	Author	Date	Publisher	Page #
N/A	Pub.	Central Characterization Project Acceptable Knowledge Summary Report For Savannah River Site Fuel Fabrication Facility Transuranic Waste Waste Streams: SR-W027-321-322M-HET, SR-W027-321M-HOM	CCP-AK-SRS-14, Rev. 2	CCP	8/9/2012	CCP	Section 6.4.3
N/A	Unpub.	CCP Solids Analysis VOC UCL_{90} Evaluation Form	N/A	CCP	2/15/2013	N/A	All
M023	Pub.	Material Safety Data Sheets for Commercial Products Used in Building 321-M	N/A	Various	N/A	Various	All
M050	Unpub.	Burial Ground Records	N/A	N/A	1975 – 1980	N/A	Cont. # 500174
P036	Pub	Cleaning Extrusion Press Pit	DPSOL 321-822, Rev. 0	SRS	7/10/1979	SRS	Page 3 of 4

Nature of Discrepancy:

The Central Characterization Program (CCP) Acceptable Knowledge (AK) Summary Report for Savannah River Site (SRS) Fuel Fabrication Facility Transuranic Waste, CCP-AK-SRS-14, was created to characterize two waste streams including SR-W027-321M-HOM. Waste stream SR-W027-321M-HOM consists of a single drum of contact-handled (CH) transuranic (TRU) mixed homogeneous solid waste generated at the Building 321-M Fuel Fabrication Facility in Area M. Specifically, the waste was generated during maintenance operations and includes absorbed excess leaded oil used for lubrication of billets prior to extrusion of the plutonium target tubes in Building 321-M.

CCP certified solid sampling and analysis of homogeneous waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit (UCL_{90}) exceeded the program required quantitation limit (PRQL) for this analyte (see attached CCP Solids Analysis VOC UCL_{90} Evaluation Form). As required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan (WIPP-WAP) (reference Attachment C4-3e, prior to the March 13, 2013 revision), the waste will be evaluated to determine if an additional Environment Protection Agency (EPA) hazardous waste number should be assigned.

Resolution:

Historical Waste Management: SRS historically managed the containers in this waste stream as nonhazardous. However, a review of available AK documentation to identify chemical usage and potentially hazardous materials that may have been introduced into the waste stream determined this waste may be contaminated with F-listed hazardous waste. F002 was assigned to the waste stream for the presence of tetrachloroethylene and methylene chloride used for cleaning of the extrusion press pit (References P036 and M023). The presence of trichloroethylene was not identified in the available AK documentation and is evaluated below.

F001 Listed Constituents: F001 listed solvents methylene chloride, tetrachloroethylene, and trichloroethylene were identified as being present in the waste stream. However, EPA has provided a regulatory clarification that the F001 listing is only appropriate when the listed solvents are used in a large-scale degreasing operation such as cold cleaning or vapor degreasing on an industrial scale. This waste was generated during maintenance operations, not during large-scale degreasing operations. Therefore, EPA hazardous waste number F001 is not assigned to this waste stream.

F002 Listed Constituents: F002 listed solvents tetrachloroethylene (detected in 4 of 5 samples but below the PRQL) and trichloroethylene were detected in the solid sampling. As discussed above, F002 is already assigned to the waste stream for the presence of tetrachloroethylene and methylene chloride (which was not detected in solid sampling) (References P036 and M023). A re-evaluation was performed and no potential source of trichloroethylene was found in the available AK documentation. As required by the WIPP-WAP (prior to the March 13, 2013 revision), hazardous waste number F002 is conservatively assigned to the waste stream for trichloroethylene because the source of the constituent could not be identified. Therefore, EPA hazardous waste number F002 is assigned to waste stream SR-W027-321M-HOM for methylene chloride, tetrachloroethylene, and trichloroethylene.

Toxicity Characteristic Constituents: The waste stream is assigned D008 for the presence of lead, which was also detected in the solid sampling above the regulatory level. Other toxic metals were also detected in the solid sampling but they were present below regulatory levels. As discussed above, toxicity characteristic compounds tetrachloroethylene (D039) and trichloroethylene (D040) are present in the waste stream. However, the more specific EPA hazardous waste number F002 has been assigned to the waste stream and the assignment of the corresponding toxicity characteristic EPA hazardous waste number is not necessary (i.e., D039, D040). Therefore, these characteristic EPA hazardous waste numbers are not assigned to the waste stream.

In conclusion, waste stream SR-W027-321M-HOM is assigned EPA hazardous waste numbers D008 and F002. An AK re-evaluation has also been performed for waste stream SR-W027-321M-HOM to address the presence of trichloroethylene.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Michael Papp (Print) _____ (Sign) Date: 4/4/13

Site Project Manager: Beverly Schrock (Print) BSSchrock (Sign) Date: 4/4/13

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	5	5	4.4000	3.4600	1.1929	4.2779	10.0	N/A		
Bromoform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Disulfide	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Tetrachloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Chlorobenzene	No	0	5	0.0900	0.0880	0.0027	0.0899	10.0	N/A		
Chloroform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,2-Dichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Ethyl Benzene	No	5	5	4.2000	3.4600	0.8792	4.0628	10.0	N/A		
Methylene Chloride	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
m,p-Xylene*	No	5	5	2.6000	2.1600	0.5128	2.5116	10.0	N/A		
o-Xylene	No	5	5	4.6000	3.8000	0.9670	4.4630	10.0	N/A		
1,1,2,2-Tetrachloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Tetrachloroethylene	No	4	5	0.8400	0.6570	0.3240	0.8792	10.0	N/A		
Toluene	No	5	5	10.0000	8.3800	2.2521	9.9242	10.0	N/A		
Trans-1,2-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,1-Trichloroethane	No	3	5	0.5300	0.3630	0.1724	0.4812	10.0	N/A		
Trichloroethylene	No	5	5	20.0000	16.4400	4.8957	19.7968	10.0	N/A	Yes	F002
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,2-Trichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Trichlorofluoromethane	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
Vinyl Chloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	4.0	1.3863		
Acetone	Log	4	5 (3)	3.7136	2.9692	0.5138	3.3900	100	4.6052		
Butanol	Log	4	5 (3)	3.4340	2.9825	0.3048	3.2321	100	4.6052		
Methanol	Log	0	5	3.8918	1.1154	1.5525	2.1799	100	4.6052		
Methyl ethyl ketone	Log	4	5 (3)	3.0445	2.7749	0.1827	2.9245	100	4.6052		
Ethyl ether	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Isobutanol	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Pyridine	Log	1	5 (3)	2.8904	1.2604	1.0874	2.1508	100	4.6052		
Formaldehyde	No	0	5	1.0000	1.0000	0.0000	1.0000	100	N/A		
Hydrazine	No	0	5	1.5000	1.4700	0.0274	1.4888	100	N/A		

* These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

Signature of Site Project Manager	Richard Kantrowitz Printed Name	2/15/2013 Date

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Example Form

Site(s): Savannah River Site
Waste Stream Number(s): SR-W027-321M-HOM (CCP-AK-SRS-14)
Waste Stream Description: Absorbed Billet Lubricating Oil Waste
NCR numbers(s) if applicable: NA
Inconsistency between waste characterization and acceptable knowledge information (describe): CCP certified solid sampling and analysis of waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit exceeded the program required quantitation limit for this analyte. As required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan (WIPP-WAP) (reference Attachment C4-3e, prior to the March 13, 2013 revision), the waste will be evaluated to determine if an additional Environment Protection Agency (EPA) hazardous waste number should be assigned.

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	Yes	Reviewed CCP-AK-SRS-14 and M050 (container paperwork) and documented differences in DR011.
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	Yes	CCP-AK-SRS-14 will be revised to add EPA hazardous waste number F002 for trichloroethylene (F002 already applied for methylene chloride, tetrachloroethylene).
Reassess and document all sampling and analytical data associated with the waste. [c]	Yes	Sampling and analytical data reassessed and documented in DR011.
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	No	N/A – Not a Waste Matrix Code issue.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	No	N/A – Not an NDA issue.
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	DR011 documents the discrepancy, Attachment 5 will be updated, and CCP-AK-SRS-14 will be revised.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	Yes	SR-W027-321M-HOM is a one drum waste stream; therefore, segregation is not necessary. CCP-AK-SRS-14 will be revised to include EPA hazardous waste number F002 for trichloroethylene.

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

Acceptable Knowledge Expert:

M.J. Papp — Print
MJPapp — Sign
Date: 4/4/13

Site Project Manager:

Beverly Schrock — Print
BSSchrock — Sign
Date: 4/4/13

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Example Form

Site(s): Savannah River Site
Waste Stream Number(s): SR-W027-321M-HOM (CCP-AK-SRS-14)
Waste Stream Description: Absorbed Billet Lubricating Oil Waste
NCR numbers(s) if applicable: NA
Inconsistency between waste characterization and acceptable knowledge information (describe): CCP certified solid sampling and analysis of waste stream SR-W027-321M-HOM reported trichloroethylene above the method detection limit in 5 of 5 samples. The 90 percent upper confidence limit exceeded the program required quantitation limit for this analyte. As required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan (WIPP-WAP) (reference Attachment C4-3e, prior to the March 13, 2013 revision), the waste will be evaluated to determine if an additional Environment Protection Agency (EPA) hazardous waste number should be assigned.

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	Yes	Reviewed CCP-AK-SRS-14 and M050 (container paperwork) and documented differences in DR011.
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	Yes	CCP-AK-SRS-14 will be revised to add EPA hazardous waste number F002 for trichloroethylene (F002 already applied for methylene chloride, tetrachloroethylene).
Reassess and document all sampling and analytical data associated with the waste. [c]	Yes	Sampling and analytical data reassessed and documented in DR011.
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	No	N/A – Not a Waste Matrix Code issue.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	No	N/A – Not an NDA issue.
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	DR011 documents the discrepancy, Attachment 5 will be updated, and CCP-AK-SRS-14 will be revised.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	Yes	SR-W027-321M-HOM is a one drum waste stream; therefore, segregation is not necessary. CCP-AK-SRS-14 will be revised to include EPA hazardous waste number F002 for trichloroethylene.

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

NTPC RECORDS ORIGINAL
DATE REC'D 9/12/13

Acceptable Knowledge Expert:

M.J. Papp — Print
MJPapp — Sign
Date: 4/4/13

Site Project Manager:

Beverly Schrock — Print
BSSchrock — Sign
Date: 4/4/13

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR018

Waste Stream Number(s): SR-MD-HET

(Applicable only when site library is not in use)

Acceptable Knowledge Documentation Type:	Category:
☑ TRU Waste Management Program Information	☐ C - Correspondence
☑ Waste Stream-Specific Information	☑ D - Discrepancy Resolution
☑ Additional Information	☐ M - Miscellaneous or Memo
	☐ P - Published Document or Controlled Database
	☐ I - Internal Procedure or Note
	☐ U - Unpublished Data

Title or Description of Source Document [a]: Acceptable Knowledge Source Document Discrepancy Resolution - Container MDL0506582 Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET

Source Document Reference Information (author(s), document and revision number, date, publisher): Mike Papp, NA, NA, 02/20/2012, NA

AK # [b]	Source Doc. Page # [c]	AK Information Summary
PR6, PR7, PR8, WS1, WS2, WS3, WS6, WS9, WS10, S9, S16	Throughout	Nature of Discrepancy: The CCP acceptable knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site, CCP-AK-SRS-8, was created to characterize heterogeneous debris, homogeneous, and soil waste streams. Fifty-three containers were originally assigned to soil waste stream SR-MD-SOIL. This original assignment was based on generator supplied information (Reference U001). However, fast scan information identified 40 of these 53 containers as predominately debris and the containers were subsequently moved to debris waste stream SR-MD-HET (References M064 and DR006). Later investigations revealed that some of the soil was clumped together creating voids, which was identified as concrete (debris) during the fast scan process. Based on these investigations, 18 containers were moved from the debris waste stream back to the soil waste stream before certified real-time radiography (RTR) was performed or in this case assessed (Reference DR012). Certified RTR of container MDL0506582 (one of the 18 containers) has determined it contains greater than 50 percent debris by volume. Therefore, this container requires an evaluation to determine if it should be moved back to debris waste stream SR-MD-HET. Resolution: Container MDL0506582 has been examined by certified RTR and it contains greater than 50 percent debris by volume (see attached CCP Radiography Data Sheet). As discussed above, 18 containers were reassigned back to the soil waste stream before certified RTR was either completed or assessed by an Acceptable Knowledge Expert. If the certified RTR for container MDL0506582 had been assessed before the completion of DR012, the container would have remained in the debris waste stream. Therefore, container MDL0506582 will be moved back to debris waste stream SR-MD-HET.

CCP RECORDS ORIGINAL
DATE REC'D 3-22-12

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR018

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson

Print /Sign

Date: 2-22-2012

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Container MDL0506582 Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET

Waste Stream Number(s): SR-MD-HET (SRS-8)

Waste Stream Description(s): Contaminated Debris Waste from the Mound Site

AK Source Document Discrepancy Form Tracking Number: DR018

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
DR006	Disc.	Discrepancy Resolution for Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET	N/A	Jeff Harrison	08/17/2005	N/A	All
DR012	Disc.	Acceptable Knowledge Source Document Discrepancy Resolution	N/A	CCP	04/05/2010	N/A	All
M064	Unpub.	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison, Subject: SR-MD-SOIL	N/A	Steve Rose	08/10/2005	N/A	All
U001	Unpub.	2990 Information on Shipments to SRS	N/A	N/A	Various	N/A	All
N/A	Pub.	Central Characterization Project Acceptable Knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site	CCP-AK-SRS-8, Rev. 7	CCP	11/01/2011	N/A	Sections 5.4.1 and 6.4.1
N/A	N/A	Acceptable Knowledge Re-evaluation Checklist – Container MDL0506582	N/A	CCP	02/20/2012	N/A	All

Nature of Discrepancy:

The CCP acceptable knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site, CCP-AK-SRS-8, was created to characterize heterogeneous debris, homogeneous, and soil waste streams. Fifty-three containers were originally assigned to soil waste stream SR-MD-SOIL. This original assignment was based on generator supplied information (Reference U001). However, fast scan information identified 40 of these 53 containers as predominately debris and the containers were subsequently moved to debris waste stream SR-MD-HET (References M064 and DR006). Later investigations revealed that some of the soil was clumped together creating voids, which was identified as concrete (debris) during the fast scan process. Based on these investigations, 18 containers were moved from the debris waste stream back to the soil waste stream before certified real-time radiography (RTR) was performed or in this case assessed (Reference DR012). Certified RTR of container MDL0506582 (one of the 18 containers) has determined it contains greater than 50 percent debris by volume. Therefore, this container requires an evaluation to determine if it should be moved back to debris waste stream SR-MD-HET.

Resolution:

Container MDL0506582 has been examined by certified RTR and it contains greater than 50 percent debris by volume (see attached CCP Radiography Data Sheet). As discussed above, 18 containers were reassigned back to the soil waste stream before certified RTR was either completed or assessed by an Acceptable Knowledge Expert. If the certified RTR for container MDL0506582 had been assessed before the completion of DR012, the container would have remained in the debris waste stream. Therefore, container MDL0506582 will be moved back to debris waste stream SR-MD-HET.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Michael J. Papp / _____ Date: 02/20/2012
Print Sign

Site Project Manager: Beverly S. Schrock / BSSchrock Date: 2/21/12
Print Sign

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

BEST AVAILABLE
CD 2/29/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID and Location:	SRS
Batch Number:	SR4RTR0064
Examination Date:	08/03/09
Waste Container ID:	MDL0506582
Video/Audio Recorded Media Number:	SR4RTR0054 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-HET
Waste Container Weights:	Gross Wt: 255.0 kg. Tare Wt: 26.9 kg. Net Wt: 228.1 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	85 %

I concur with the operators original data for this container. KKS 8-4-09

BEST AVAILABLE
CD 2/29/12

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506582

Section 3: Container Inventory and Comments (Detailed descriptions)
Concrete, rock, absorbent Plastic bags Soil 1 cup of residual liquid in bags at 5".

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	26.9
Plastics (PP):	0.0
Others:	
Total Packaging Weight:	26.9
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	207.1
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	20.0
Total WMP Weight:	228.1

BEST AVAILABLE
CD 2/29/12

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506582

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block.)	Yes	No	N/A
Is there liquid in the container?	☑	☐	
Is there any liquid in the waste, including internal containers, that **DOES NOT** meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	☐	☑	☐
Is the total volume of liquid in the container **GREATER** than 1% of the container?	☐	☑	☐
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑	
Is there an indication of wastes containing explosives or compressed gases?	☐	☑	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☑	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☑	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	☐	☑	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑	
Are there sealed containers GREATER than 4 liters?	☐	☑	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑	

Comments:
1 cup of residual liquid in bags at 5".

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	08/03/09
Print Name	Signature	Date

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Container MDL0506582

Site(s): Savannah River Site (SRS-8)
Waste Stream Number(s): SR-MD-SOIL
Waste Stream Description: Contaminated Soil from the Mound Site
NCR numbers(s) if applicable: N/A
Inconsistency between waste characterization and acceptable knowledge information (describe): Container MDL0506582 is currently identified as soil waste and is assigned to waste stream SR-MD-SOIL. However, certified real-time radiography of the container has determine it contains greater than 50% debris by volume. Therefore, this container requires a re-evaluation which supersedes previous re-evaluations (Reference DR012).

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	N/A	EPA hazardous waste numbers are not discrepant
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	N/A	EPA hazardous waste numbers are not discrepant
Reassess and document all sampling and analytical data associated with the waste. [c]	N/A	Not a sampling and analysis issue
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	Yes	Container MDL0506582 is currently assigned to waste stream SR-MD-SOIL, which is assigned waste matrix code S4200 defined as at least 50% by volume soil, sand, silt, or rock and gravel. However, this container is not consistent with waste matrix code S4200 or summary category group S4000. This container is debris and it belongs in summary category group S5000.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	N/A	Radionuclides are not discrepant
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	An Attachment 11 (DR018) was generated to address the discrepancy and Attachment 8 will be updated to move container MDL0506582 to debris waste stream SR-MD-HET.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	N/A	No unresolved discrepancies

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

Acceptable Knowledge Expert:

Michael J. Papp _____ MJPapp _____ Date: 2/20/2012
Print Sign

Site Project Manager:

Beverly S. Schrock _____ BSSchrock _____ Date: 2/21/12
Print Sign

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Container MDL0506582

Site(s): Savannah River Site (SRS-8)
Waste Stream Number(s): SR-MD-SOIL
Waste Stream Description: Contaminated Soil from the Mound Site
NCR numbers(s) if applicable: N/A
Inconsistency between waste characterization and acceptable knowledge information (describe): Container MDL0506582 is currently identified as soil waste and is assigned to waste stream SR-MD-SOIL. However, certified real-time radiography of the container has determine it contains greater than 50% debris by volume. Therefore, this container requires a re-evaluation which supersedes previous re-evaluations (Reference DR012).

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	N/A	EPA hazardous waste numbers are not discrepant
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	N/A	EPA hazardous waste numbers are not discrepant
Reassess and document all sampling and analytical data associated with the waste. [c]	N/A	Not a sampling and analysis issue
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	Yes	Container MDL0506582 is currently assigned to waste stream SR-MD-SOIL, which is assigned waste matrix code S4200 defined as at least 50% by volume soil, sand, silt, or rock and gravel. However, this container is not consistent with waste matrix code S4200 or summary category group S4000. This container is debris and it belongs in summary category group S5000.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	N/A	Radionuclides are not discrepant
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	An Attachment 11 (DR018) was generated to address the discrepancy and Attachment 8 will be updated to move container MDL0506582 to debris waste stream SR-MD-HET.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	N/A	No unresolved discrepancies

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

CCP RECORDS ORIGINAL
DATE REC'D 3-22-12

Acceptable Knowledge Expert:

Michael J. Papp _____ MJPapp _____ Date: 2/20/2012
Print Sign

Site Project Manager:

Beverly S. Schrock _____ BSSchrock _____ Date: 2/21/12
Print Sign

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR019
Waste Stream Number(s): SR-MD-HET (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☑ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title or Description of Source Document [a]: Acceptable Knowledge Source Document Discrepancy Resolution – Container MDL0506566 Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET	
Source Document Reference Information (author(s), document and revision number, date, publisher): Mike Papp, 05/01/2012	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS1, WS6, S9, S16	Throughout	Nature of Discrepancy: The CCP acceptable knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site, CCP-AK-SRS-8, was created to characterize heterogeneous debris, homogeneous, and soil waste streams. Fifty-three containers were originally assigned to soil waste stream SR-MD-SOIL. This original assignment was based on generator supplied information (Reference U001). However, fast scan information identified 40 of these 53 containers as predominately debris and the containers were subsequently moved to debris waste stream SR-MD-HET (References M064 and DR006). Later investigations revealed that some of the soil was clumped together creating voids, which was identified as concrete (debris) during the fast scan process. Based on these investigations, 18 containers were moved from the debris waste stream back to the soil waste stream before certified real-time radiography (RTR) was performed or in this case assessed (Reference DR012). Certified RTR of container MDL0506566 (one of the 18 containers) has determined it contains greater than 50 percent debris by volume. Therefore, this container requires an evaluation to determine if it should be moved back to debris waste stream SR-MD-HET. Resolution: Container MDL0506566 has been examined by certified RTR and it contains greater than 50 percent debris by volume (see attached CCP Radiography Data Sheet). As discussed above, 18 containers were reassigned by an Acceptable Knowledge Expert back to the soil waste stream before certified RTR was either completed or assessed. If the certified RTR for container MDL0506566 had been assessed before the completion of DR012, the container would have remained in the debris waste stream. Therefore, container MDL0506566 will be moved back to debris waste stream SR-MD-HET.

CCP RECORDS ORIGINAL
DATE REC'D 6/29/2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR019

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson , _____ Date: 05/02/2012

Print /Sign

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Container MDL0506566 Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET

Waste Stream Number(s): SR-MD-HET (SRS-8)

Waste Stream Description(s): Contaminated Debris Waste from the Mound Site

AK Source Document Discrepancy Form Tracking Number: DR019							
Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
DR006	Disc.	Discrepancy Resolution for Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET	N/A	Jeff Harrison	08/17/2005	N/A	All
DR012	Disc.	Acceptable Knowledge Source Document Discrepancy Resolution	N/A	CCP	04/05/2010	N/A	All
M064	Unpub.	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison, Subject: SR-MD-SOIL	N/A	Steve Rose	08/10/2005	N/A	All
U001	Unpub.	2990 Information on Shipments to SRS	N/A	N/A	Various	N/A	All
N/A	Pub.	Central Characterization Project Acceptable Knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site	CCP-AK-SRS-8, Rev. 7	CCP	11/01/2011	N/A	Sections 5.4.1 and 6.4.1
N/A	N/A	Acceptable Knowledge Re-evaluation Checklist – Container MDL0506566	N/A	CCP	02/20/2012	N/A	All

Nature of Discrepancy:

The CCP acceptable knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site, CCP-AK-SRS-8, was created to characterize heterogeneous debris, homogeneous, and soil waste streams. Fifty-three containers were originally assigned to soil waste stream SR-MD-SOIL. This original assignment was based on generator supplied information (Reference U001). However, fast scan information identified 40 of these 53 containers as predominately debris and the containers were subsequently moved to debris waste stream SR-MD-HET (References M064 and DR006). Later investigations revealed that some of the soil was clumped together creating voids, which was identified as concrete (debris) during the fast scan process. Based on these investigations, 18 containers were moved from the debris waste stream back to the soil waste stream before certified real-time radiography (RTR) was performed or in this case assessed (Reference DR012). Certified RTR of container MDL0506566 (one of the 18 containers) has determined it contains greater than 50 percent debris by volume. Therefore, this container requires an evaluation to determine if it should be moved back to debris waste stream SR-MD-HET.

Resolution:

Container MDL0506566 has been examined by certified RTR and it contains greater than 50 percent debris by volume (see attached CCP Radiography Data Sheet). As discussed above, 18 containers were reassigned by an Acceptable Knowledge Expert back to the soil waste stream before certified RTR was either completed or assessed. If the certified RTR for container MDL0506566 had been assessed before the completion of DR012, the container would have remained in the debris waste stream. Therefore, container MDL0506566 will be moved back to debris waste stream SR-MD-HET.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Michael J. Papp (Print) / (Sign) Date: 05/01/2012

Site Project Manager: Beverly S. Schrock (Print) / BSSchrock (Sign) Date: 5/1/12

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID and Location:	SRS
Batch Number:	SR4RTR0016
Examination Date:	03/11/09
Waste Container ID:	MDL0506566
Video/Audio Recorded Media Number:	SR4RTR0016 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-HET
Waste Container Weights:	Gross Wt: 280.0 kg. Tare Wt: 26.9 kg. Net Wt: 253.1 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	95 %

I concur with the operators original data for this container. MKS 3-12-09

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506566

Section 3: Container Inventory and Comments (Detailed descriptions)
Concrete debris, absorbent
Plastic bag
This drum appears to have 1 cup of condensation at 6" and is not greater than one percent of the payload container.

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	26.9
Plastics (PP):	0.0
Others:	
Total Packaging Weight:	26.9
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	252.1
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	253.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506566

Section 5: RTR Summary (Questions answered "YES" will be explained in the *Comments* block)	Yes	No	N/A
Is there liquid in the container?	☑	☐	
Is there any liquid in the waste, including internal containers, that **DOES NOT** meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	☐	☑	☐
Is the total volume of liquid in the container **GREATER** than 1% of the container?	☐	☑	☐
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑	
Is there an indication of wastes containing explosives or compressed gases?	☐	☑	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☑	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☑	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	☐	☑	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑	
Are there sealed containers GREATER than 4 liters?	☐	☑	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑	

Comments:
This drum appears to have 1 cup of condensation at 6" and is not greater than one percent of the payload container.

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	03/11/09
Print Name	Signature	Date

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Container MDL0506566

Site(s): Savannah River Site (SRS-8)
Waste Stream Number(s): SR-MD-SOIL
Waste Stream Description: Contaminated Soil from the Mound Site
NCR numbers(s) if applicable: N/A
Inconsistency between waste characterization and acceptable knowledge information (describe): Container MDL0506566 is currently identified as soil waste and is assigned to waste stream SR-MD-SOIL. However, certified real-time radiography of the container has determine it contains greater than 50% debris by volume. Therefore, this container requires a re-evaluation which supersedes previous re-evaluations (Reference DR012).

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	N/A	EPA hazardous waste numbers are not discrepant
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	N/A	EPA hazardous waste numbers are not discrepant
Reassess and document all sampling and analytical data associated with the waste. [c]	N/A	Not a sampling and analysis issue
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	Yes	Container MDL0506566 is currently assigned to waste stream SR-MD-SOIL, which is assigned waste matrix code S4200 defined as at least 50% by volume soil, sand, silt, or rock and gravel. However, this container is not consistent with waste matrix code S4200 or summary category group S4000. This container is debris and it belongs in summary category group S5000.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	N/A	Radionuclides are not discrepant
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	An Attachment 11 (DR019) was generated to address the discrepancy and Attachment 8 will be updated to move container MDL0506566 to debris waste stream SR-MD-HET.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	N/A	No unresolved discrepancies

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

Acceptable Knowledge Expert:

Michael J. Papp _____ MJPapp _____ Date: 05/01/2012
Print Sign

Site Project Manager:

Beverly S. Schrock _____ BSSchrock _____ Date: 5/1/12
Print Sign

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Container MDL0506566

Site(s): Savannah River Site (SRS-8)
Waste Stream Number(s): SR-MD-SOIL
Waste Stream Description: Contaminated Soil from the Mound Site
NCR numbers(s) if applicable: N/A
Inconsistency between waste characterization and acceptable knowledge information (describe): Container MDL0506566 is currently identified as soil waste and is assigned to waste stream SR-MD-SOIL. However, certified real-time radiography of the container has determine it contains greater than 50% debris by volume. Therefore, this container requires a re-evaluation which supersedes previous re-evaluations (Reference DR012).

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	N/A	EPA hazardous waste numbers are not discrepant
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	N/A	EPA hazardous waste numbers are not discrepant
Reassess and document all sampling and analytical data associated with the waste. [c]	N/A	Not a sampling and analysis issue
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	Yes	Container MDL0506566 is currently assigned to waste stream SR-MD-SOIL, which is assigned waste matrix code S4200 defined as at least 50% by volume soil, sand, silt, or rock and gravel. However, this container is not consistent with waste matrix code S4200 or summary category group S4000. This container is debris and it belongs in summary category group S5000.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	N/A	Radionuclides are not discrepant
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	An Attachment 11 (DR019) was generated to address the discrepancy and Attachment 8 will be updated to move container MDL0506566 to debris waste stream SR-MD-HET.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	N/A	No unresolved discrepancies

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

CCP RECORDS ORIGINAL
DATE REC'D 12/28/2012

Acceptable Knowledge Expert:

Michael J. Papp _____ Date: 05/01/2012
Print Sign

Site Project Manager:

Beverly S. Schrock BSSchrock Date: 5/1/12
Print Sign

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Container MDL0506566 Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET

Waste Stream Number(s): SR-MD-HET (SRS-8)

Waste Stream Description(s): Contaminated Debris Waste from the Mound Site

AK Source Document Discrepancy Form Tracking Number: DR019

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #
DR006	Disc.	Discrepancy Resolution for Drums Moved from Waste Stream SR-MD-SOIL to Waste Stream SR-MD-HET	N/A	Jeff Harrison	08/17/2005	N/A	All
DR012	Disc.	Acceptable Knowledge Source Document Discrepancy Resolution	N/A	CCP	04/05/2010	N/A	All
M064	Unpub.	E-mail Correspondence (and attached RTR data) from Steve Rose to Jeff Harrison, Subject: SR-MD-SOIL	N/A	Steve Rose	08/10/2005	N/A	All
U001	Unpub.	2990 Information on Shipments to SRS	N/A	N/A	Various	N/A	All
N/A	Pub.	Central Characterization Project Acceptable Knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site	CCP-AK-SRS-8, Rev. 7	CCP	11/01/2011	N/A	Sections 5.4.1 and 6.4.1
N/A	N/A	Acceptable Knowledge Re-evaluation Checklist – Container MDL0506566	N/A	CCP	02/20/2012	N/A	All

Nature of Discrepancy:

The CCP acceptable knowledge Summary Report for Mound Site Transuranic Waste Stored at Savannah River Site, CCP-AK-SRS-8, was created to characterize heterogeneous debris, homogeneous, and soil waste streams. Fifty-three containers were originally assigned to soil waste stream SR-MD-SOIL. This original assignment was based on generator supplied information (Reference U001). However, fast scan information identified 40 of these 53 containers as predominately debris and the containers were subsequently moved to debris waste stream SR-MD-HET (References M064 and DR006). Later investigations revealed that some of the soil was clumped together creating voids, which was identified as concrete (debris) during the fast scan process. Based on these investigations, 18 containers were moved from the debris waste stream back to the soil waste stream before certified real-time radiography (RTR) was performed or in this case assessed (Reference DR012). Certified RTR of container MDL0506566 (one of the 18 containers) has determined it contains greater than 50 percent debris by volume. Therefore, this container requires an evaluation to determine if it should be moved back to debris waste stream SR-MD-HET.

Resolution:

Container MDL0506566 has been examined by certified RTR and it contains greater than 50 percent debris by volume (see attached CCP Radiography Data Sheet). As discussed above, 18 containers were reassigned by an Acceptable Knowledge Expert back to the soil waste stream before certified RTR was either completed or assessed. If the certified RTR for container MDL0506566 had been assessed before the completion of DR012, the container would have remained in the debris waste stream. Therefore, container MDL0506566 will be moved back to debris waste stream SR-MD-HET.

Discrepancy Resolved: [X] Yes [ ] No

Acceptable Knowledge Expert: Michael J. Papp / _____ Date: 05/01/2012
Print Sign

Site Project Manager: Beverly S. Schrock / BSSchrock Date: 5/1/12
Print Sign

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.); or Discrepancy (Disc.)

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID and Location:	SRS
Batch Number:	SR4RTR0016
Examination Date:	03/11/09
Waste Container ID:	MDL0506566
Video/Audio Recorded Media Number:	SR4RTR0016 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-HET
Waste Container Weights:	Gross Wt: 280.0 kg. Tare Wt: 26.9 kg. Net Wt: 253.1 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	95 %

I concur with the operators original data for this container. KKS 3-12-09

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506566

Section 3: Container Inventory and Comments (Detailed descriptions)
Concrete debris, absorbent Plastic bag This drum appears to have 1 cup of condensation at 6" and is not greater than one percent of the payload container.

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	26.9
Plastics (PP):	0.0
Others:	
Total Packaging Weight:	26.9
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	252.1
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	253.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506566

Section 5: RTR Summary (Questions answered "YES" will be explained in the *Comments* block)	Yes	No	N/A
Is there liquid in the container?	☑	☐	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	☐	☑	☐
Is the total volume of liquid in the container GREATER than 1% of the container?	☐	☑	☐
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑	
Is there an indication of wastes containing explosives or compressed gases?	☐	☑	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☑	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☑	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	☐	☑	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑	
Are there sealed containers GREATER than 4 liters?	☐	☑	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑	

Comments:
This drum appears to have 1 cup of condensation at 6" and is not greater than one percent of the payload container.

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	03/11/09
Print Name	Signature	Date

DIVIDER PAGE

Attachment 3 - Acceptable Knowledge Source Document Summary

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR020
Waste Stream Number(s): SR-MD-HET, SR-MD-SOIL (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☑ Waste Stream-Specific Information ☑ Additional Information	Category: ☐ C - Correspondence ☑ D - Discrepancy Resolution ☐ M - Miscellaneous or Memo ☐ P - Published Document or Controlled Database ☐ I - Internal Procedure or Note ☐ U - Unpublished Data
Title or Description of Source Document [a]: Acceptable Knowledge Source Document Discrepancy Resolution – Re-evaluation of WMAPSLB008	
Source Document Reference Information (author(s), document and revision number, date, publisher): Jeff Harrison, Document Number and Revision: NA, 07/24/2012	

AK # [b]	Source Doc. Page # [c]	AK Information Summary
WS1, WS2, WS9, WS10, S9	Page 1 of 2	Nature of Discrepancy: Container WMAPSLB008 (original number MDL02507) was included in waste stream SR-MD-SOIL. NCR-SRS-0750-12 was written because RTR identified this waste as predominantly inorganic debris, and therefore, this waste does not meet the definition of summary category group S4000. Resolution: Container WMAPSLB008 will be moved to waste stream SR-MD-HET. The Mound TRU Waste Input Form indicates MDL02507 contains soil (U001). The SRS 29-90 indicates 100 percent soil, but there is also a note that says there may be rebar and small chunks of concrete present (U001). RTR (Batch #SRLBR0041) describes this waste as predominantly inorganic debris consisting of metal boxes, metal piping, metal fittings, scrap metal, metal chokers, and absorbent, and smaller amounts of organic debris consisting of pieces of wood and plastic bags. These waste items are consistent with those described in CCP-AK-SRS-8 Section 5.4.1 for waste stream SR-MD-HET. Original container MDL02507 was generated 6/5/1989 in SM Building (U001). CCP-AK-SRS-8 Sections 5.1 and 5.2 state that waste stream SR-MD-HET was generated from 1978 to 2005 in several buildings including SM Building. The original container paperwork does not specifically indicate the process that generated this waste, but CCP-AK-SRS-8 Section 5.3.1.1 says TRU waste in waste steam SR-MD-HET was generated between 1987 and 1992 during final D&D of SM Building. As shown in CCP-AK-SRS-8 Sections 5.4.3 and 6.4.3, the EPA Hazardous Waste Numbers assigned to waste stream SR-MD-HET bound those assigned to waste stream SR-MD-SOIL.

CCP RECORDS ORIGINAL
DATE REC'D 9-26-2012

Attachment 3 - Acceptable Knowledge Source Document Summary (continued)

Site(s): Mound Plant (CCP-AK-SRS-8)	Source Document Tracking Number: DR020

Source Document Data Limitations (if any):

1. None

Acceptable Knowlege Expert:

Allen Dickerson

Print /Sign

Date: 07/30/2012

a Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
b Obtain from Acceptable Knowledge Documentation Checklist
c For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 11 - Acceptable Knowledge Source Document Discrepancy Resolution – Re-evaluation of WMAPSLB008

Waste Stream Number(s): SR-MD-SOIL and SR-MD-HET

Waste Stream Description: Soil and debris from the Mound site

AK Source Document Discrepancy Form Tracking Number: **DR020**

Tracking #	*Category* [a]	*Title*	*Document #*	*Date*	*Page #*
N/A	N/A	CCP Nonconformance Report	NCR-SRS-0750-12, Rev. 0	5/8/12	All
N/A	N/A	CCP Radiography Data Sheet	Batch # SRLBR0041	5/8/12	WMAPSLB008
N/A	N/A	Central Characterization Project Acceptable Knowledge Summary Report For Mound Site Transuranic Waste Stored at Savannah River Site Waste Streams: SR-MD-HET, SR-MD-SOIL, SR-MD-HOM-A, SR-MD-HOM-C	CCP-AK-SRS-8, Rev. 7	11/1/11	26 – 42 and 53 – 58
U001	Unpub.	2990 Information on Shipments to SRS	N/A	Various	MDL02507

Nature of Discrepancy: Container WMAPSLB008 (original number MDL02507) was included in waste stream SR-MD-SOIL. NCR-SRS-0750-12 was written because RTR identified this waste as predominantly inorganic debris, and therefore, this waste does not meet the definition of summary category group S4000.

Resolution: Container WMAPSLB008 will be moved to waste stream SR-MD-HET. The Mound TRU Waste Input Form indicates MDL02507 contains soil (U001). The SRS 29-90 indicates 100 percent soil, but there is also a note that says there may be rebar and small chunks of concrete present (U001). RTR (Batch #SRLBR0041) describes this waste as predominantly inorganic debris consisting of metal boxes, metal piping, metal fittings, scrap metal, metal chokers, and absorbent, and smaller amounts of organic debris consisting of pieces of wood and plastic bags. These waste items are consistent with those described in CCP-AK-SRS-8 Section 5.4.1 for waste stream SR-MD-HET.

Original container MDL02507 was generated 6/5/1989 in SM Building (U001). CCP-AK-SRS-8 Sections 5.1 and 5.2 state that waste stream SR-MD-HET was generated from 1978 to 2005 in several buildings including SM Building. The original container paperwork does not specifically indicate the process that generated this waste, but CCP-AK-SRS-8 Section 5.3.1.1 says TRU waste in waste steam SR-MD-HET was generated between 1987 and 1992 during final D&D of SM Building. As shown in CCP-AK-SRS-8 Sections 5.4.3 and 6.4.3, the EPA Hazardous Waste Numbers assigned to waste stream SR-MD-HET bound those assigned to waste stream SR-MD-SOIL.

Discrepancy Resolved: ☒ Yes ☐ No

Acceptable Knowledge Expert: Jeff Harrison / Jeff Harrison Date: 7/24/12
Print Sign

Site Project Manager: Beverly Schrock / BSSchrock Date: 7/24/12
Print Sign

[a] Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

BEST AVAILABLE
CD 8/3/12

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist

Site(s): Savannah River Site
Waste Stream Number(s): SR-MD-SOIL and SR-MD-HET
Waste Stream Description: Soil and debris waste generated at the Mound facility
NCR numbers(s) if applicable: NCR-SRS-0750-12, Rev. 0
Inconsistency between waste characterization and acceptable knowledge information (describe): Container WMAPSLB008 (original number MDL02507) was included in waste stream SR-MD-SOIL; however, based on RTR (Batch #SRLBR0041) of this container the waste is predominantly inorganic debris waste, and therefore, this waste does not meet the definition of summary category group S4000.

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]	Yes	See DR020.
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]	Yes	See DR020.
Reassess and document all sampling and analytical data associated with the waste. [c]	No	N/A. There are no sampling and analytical data.
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.	Yes	See DR020.
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]	No	N/A. Radionuclides are not discrepant.
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.	Yes	Attachment 8 updated to include WMAPSLB008 in waste stream SR-MD-HET.
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.	No	N/A. There are no unresolved discrepancies.

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

Acceptable Knowledge Expert:

Jeff Harrison — Jeff Harrison — Date: 7/24/12
Print — Sign

Site Project Manager:

Beverly Schrock — BSSchrock — Date: 7/24/12
Print — Sign

CCP RECORDS ORIGINAL
DATE REC'D 9-20-12

Attachment 1 – CCP Nonconformance Report (NCR)

NCR No. NCR-SRS-0938-12		Revision 0
1. Lot No./Heat No. or Serial No. (as applicable): N/A	2. Process (e.g., NDA, HSG, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0266
4. Order/Work Order/Job Control Number (as applicable): N/A	5. PO # (as applicable): N/A	Container #(s): MDL0506566
	6. Supplier (as applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7. (a) NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7. (b) Description of Nonconformance Required Condition (Implementing Procedure, Revision, Section, & Text):

CCP-TP-053, Rev. 11 Section 4.4.2 [B] states: IF a container is identified in the S5000 summary category group that CAN NOT be penetrated by the RTR method because of the presence of lead, or other shielding, THEN initiate a NCR in accordance with CCP-QP-005, CCP TRU Nonconforming Item Reporting and Control.

7. (c) *Actual Condition*

Impenetrable throughout drum.

8. NCR Originator (Print name, sign, and date)	9. CCP QA Engineer or Designee Validation (Print name, sign, and date)
Steve Redmond 6-7-12	Byron Gelderman 6-7-12

9a. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, then apply Trend Code L in Block 12.

9b. Have the CCP HOLD TAGS associated with the NCR been applied? ☒ YES ☐ NO If no is marked, provide an explanation.

10. Significant Condition? (If Yes, List CAR)	11. Recurring Condition?
☐ YES ☒ NO	☐ YES ☒ NO (If YES, List NCRs/CARs)
12. Trend Code: K	13. Responsible Manager: Georgia N. Kareis

CCP RECORDS ORIGINAL
DATE REC'D 08-15-12

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No.NCR-SRS-0938-12	Revision 0
INTERIM DISPOSITION	
14. Interim Disposition (Check One) ☒ N/A (See Final Disposition) ☐ Hold ☐ Conditional Accept ☐ Conditional Use ☐ Sort ☐ Reinspect/Retest ☐ Remediate (a) Instructions for Completion of the Interim Disposition:	
INTERIM DISPOSITION APPROVALS	
15. Responsible Manager/Individual (Print, sign, and date)	16. CCP QA Engineer or Designee (Print, sign and date)
Additional Approvals: (Print, sign and date)	Additional Approvals: (Print, sign and date)
COMPLETION OF INTERIM DISPOSITION	
17. Interim Disposition Complete Responsible Manager/Individual: (Print, sign and date)	
18. Interim Disposition Verified CCP QA Engineer: (Print, sign and date)	

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0938-12 Revision 0

FINAL DISPOSITION

19. Final Disposition (Check One)
☐ Use-As-Is ☒ Reject ☐ Repair ☐ Rework ☐ Scrap

(a) Technical Justification (Required for Use-As-Is and Repair dispositions, Enter N/A for Reject, Scrap, or Rework dispositions.)
N/A

(b) Instructions for Completion (Required for Reject, Repair, Rework and Scrap – Enter N/A for Use-As-Is).

Return to SRS to be Re-run at Large Container NDE for correction of nonconforming Actual Condition as identified in Block 7(c).

(c) Corrective Actions (Actions to Prevent Recurrence – Required for Repair and Rework; Enter N/A for Use-As-Is-, Reject, and Scrap). N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager/Individual: (Print, sign, and date) Georgia N. Kareis	21. CCP QA Engineer or Designee: (Print, sign, and date) Byron Gelderman
Georgia N. Kareis 6/7/12	6-7-12
Additional Approvals: (Print, sign, and date)	Additional Approvals: (Print, sign, and date)

CLOSURE

22. Final Disposition Complete Responsible Manager/Individual: (Print, sign, and date)
Georgia N. Kareis Georgia N. Kareis 8/14/12

23. Attachments:
N/A

24. (a) HOLD TAG removal has been validated and reconciled for all nonconforming items on the NCR. ☑
(b) Check if not applicable (N/A) and provide an explanation here or on a continuation sheet. ☐

25. Final Disposition Verified – NCR Closed — CCP QA Engineer: (Print, sign, and date)
Steve Musser 8/16/12

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0265-13 **Revision:** 1

1. Lot No., Heat No., or Serial No. (If applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0324
4. Order/Work Order/Job Control Number (If applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** SR54300717
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-053, Rev. 12, Table 1. Prohibited Items **LIST OF PROHIBITED ITEMS** states in part:

1. Compressed Gases/Pressurized Containers (e.g. aerosol cans)
2. Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater are prohibited.

7c. Actual Condition:

Pressurized hydraulic jack with 100 mls of observable liquid at 32", which is greater than 3 % volume.

Revision 1 – changed final disposition to re-run container on NDE, SRS has mitigated the prohibited item.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ **YES** ☐ **NO** **(If no is checked, explain:)**

8. NCR Originator:

Beverly S. Schrock — BSSchrock — 6/5/13

printed name — signature — date

9. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Beverly Schrock

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

Laura R. Jones — Laura Ramos Jones — 06/10/2013

printed name — *signature* — *date*

NTPC RECORDS ORIGINAL
DATE REC'D 06/25/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0265-13 **Revision:** 1

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0265-13 **Revision:** 1

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

1. Re-run container on NDE.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Beverly S. Schrock	BSSchrock	6/10/13	Laura R. Jones	Laura Ramos Jones	06/10/13
printed name	signature	date	printed name	signature	date
Additional Approvals:		06/10/13 NA	Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Beverly Schrock BSSchrock 6/11/13
printed name signature date

23. Attachments: 1.- Tag removal notification 2.- Basis for NCR closure.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

See Attachment 1.

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

Laura R. Jones Laura Ramos Jones 06/24/2013
printed name signature date

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Monday, June 24, 2013 1:29 PM
To: Jones, Laura - NWP; Walker, Mak (Maryann) - NWP
Subject: Re: Hold tag status for NCR-SRS-0265-13-1

Tag removed.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>,
Date: 06/24/2013 03:17 PM
Subject: Hold tag status for NCR-SRS-0265-13-1

Steve,

Could you please check on the status of hold tag removal for Container SR54300717 for NCR-SRS-0265-13-1?

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR -SRS-0265-13 Rev. 1
Attachment 1 Page 1 of 1

Attachment 2 – CCP Nonconformance Report (NCR) Continuation Sheet

NCR No. NCR-SRS-0265-13	Revision 1	Attachment # 2	Page 1 of 2
Continuation from Section Number: N/A			
Container SR54300717 was re-ran in SRLBR0092			

Tuesday, June 04, 2013

CONTAINERID: SR54300717

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SR54300717	SWB		NO WDS STATUS	NO	SR-W027-HBL-BOX	NONE	

BDR DATA

BDRID	Type	Status	Generation Date
SR13FG11056	HSG_TRANS	Complete	2013-05-28
SR13FG3004	HSG_TRANS	Complete	2013-03-18
SR4RTR0324	RTR	Complete	2013-03-14
SRLBR0092	RTR	Complete	2013-05-23

NCR DATA

Container ID	NCRID	Status	Release Code
SR54300717	NCR-SRS0265130	Open	None

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SR54300717	SR4RTR0324	NCR-SRS0265130	Open	None	Pressurized hydraulic jack with 100 mls observable liquid at 32", which is greater than 3% by volume

NCR SRS-02605-13-1 Attachment 2 Page 2 of 2

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0265-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4R7R0324
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s):
N/A	N/A	SR54300717
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 12 Table 1. Prohibited Items **LIST OF PROHIBITED ITEMS** states in part:
1. Compressed Gases/Pressurized containers (e.g., aerosol cans)
2. Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited.

7c. Actual Condition:
Pressurized hydraulic jack with 100 mls of observable liquid at 32°, which is greater than 3% by volume. JAB 3/13/13

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:
John Brookshire (printed name) — John Brookshire (signature) — 3/13/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:
Byron Gelderman (printed name) — (signature) — 3-13-13 (date)

SUPERSEDED BY REV 1 06/10/2013 VOT

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0265-13	**Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0265-13 **Revision:** 0

FINAL DISPOSITION

19. **Final Disposition (Check Only One):**
☐ Use-As-Is ☐ Repair

19a. **Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)**

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. **Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)**
Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. **Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):**

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Karis	[signature]	3/13/13	Byron Gelderman	[signature]	3-13-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. **Final Disposition Complete – Responsible Manager or Individual:**

printed name signature date

23. **Attachments:**

24a. **HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR.** ☐
24b. **Check if not applicable (N/A) and explain.** ☐

25. **Final Disposition Verified – NCR Closed** **CCP QA Engineer:**

printed name signature date

DIVIDER

PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0262-13		**Revision:** 0
1. Lot No., Heat No., or Serial No. (if applicable): N/A	**2. Process (e.g., NDA, HSG, NDE, VE, Other):** NDE	**3. Batch Data Report #(s):** SR4RTR0319
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** SWD12114
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053 Rev. 12 Table 1. Prohibited Items states: "Sealed containers greater than 4 liters"

7c. Actual Condition: Unvented metal drums from 8" through 32".

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:

Steve Redmond (printed name) — signature — 2/21/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☒ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☒ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Byron Gelderman (printed name) — signature — 2-25-13 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 03-05-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0262-13	**Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0262-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS to be Re-run at Large Container NDE for correction of Nonconforming Actual Condition as identified in Block 7(c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap): N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis	Georgia N. Kareis	2/25/13	Byron Gelderman		2-25-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia N. Kareis — Georgia N. Kareis — 3/5/13
printed name — signature — date

23. Attachments:

No Attachments. This container was re-scanned in SRLBR0081. GNK 3/5/13

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed — CCP QA Engineer:

Steve Nelson — [signature] — 3/5/13
printed name — signature — date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	03-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0262-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0319 (SWD12114) CLOSED – REV. 0	03/05/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	4.8.13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3866
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/08 08:50
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	03-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0262-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0319 (SWD12114) CLOSED – REV. 0	03/05/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0260-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0318
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s):
N/A	N/A	SR46026ZA
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

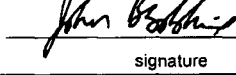
CCP-TP-053, Rev. 12, Table 1. Prohibited Items **LIST OF PROHIBITED ITEMS** states in part PCB liquids.

7c. Actual Condition:

500 mls of observable liquid in a metal press at 32" which is an indication of a PCB identified container.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:

John Brookshire (printed name)  (signature) 2/19/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

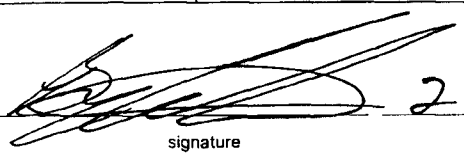
10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

Byron Gelderman (printed name)  (signature) 2-20-13 (date)

NTPC RECORDS ORIGINAL

DATE REC'D 5-28-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0260-13	**Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0260-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Karelis	Georgia N. Karelis	2/20/13	Byron Gelderman		2-20-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia N. Karelis Georgia N. Karelis 5/28/13
printed name signature date

23. Attachments:

No Attachments. This container was re-scanned in SRLBR0092. JNK 5/28/13

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

Steve Wiese 5/28/13
printed name signature date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	05-28-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0260-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0318 (SR46026ZA) CLOSED – REV. 0	05/28/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [ ]	Signature	Leon Navarrete Printed Name	5/30/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1659
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	05/30 12:53
TIME USE	00'18
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	05-28-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0260-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0318 (SR46026ZA) CLOSED – REV. 0	05/28/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Leon Navarrete

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0259-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):NDE	3. Batch Data Report #(s):
N/A		SRLBR0078
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s):
N/A	N/A	SR523564A
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Revision 12, Table 1. Prohibited Items states in part... - Internal containers with more than 60 milliliters or 3 percent by volume observable liquid,whichever is greater, are prohibited.

7c. Actual Condition: 1.) 150ml container with 75mls of prohibited liquid at 28" which is greater than 3% by volume.
2.) 150 ml container with 100mls of prohibited liquid at 28" which is greater than 3% by volume.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 2/6/13 (date)

9. Does the identified condition have the potential to impact SAK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager:
Byron Gelderman

12. Significant Condition? ☐ YES ☒ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☒ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:
John Brookshire (printed name) John Brookshire (signature) 2/7/13 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 02-15-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0259-13	**Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0259-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Byron Gelderman		2-7-13	John Brookshire		2/7/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Byron Gelderman — 7-15-13
printed name — signature — date

23. Attachments:

No Attachments. This container was re-scanned in SELBR0099 [illegible] 7/15/13

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed — CCP QA Engineer:

[illegible] — [illegible] — 7/15/13
printed name — signature — date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	07-15-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0259-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRLBR0078 (SR523564A) CLOSED – REV. 0	07/15/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [ ]	Signature	Leon Navarrete (Printed Name)	07/19/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	0259
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	07/19 11:48
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	07-15-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-0259-13	CCP NONCONFORMANCE REPORT FOR RTR BDR SRL BR0078 (SR523564A) CLOSED – REV. 0	07/15/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Leon Navarrete 07/19/13

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-1731-12 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0074
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** WMPSLB051C
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☑ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 12, Table 1. Prohibited Items states in part: "Observable liquid shall be no more than 1 percent by volume of the outermost container.

7c. Actual Condition:
2.5 liters of observable liquid in plastic bags at 28" to 30".

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:
John Brookshire (printed name) — signature — 12/11/12 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☑ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☑ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:
Byron Gelderman (printed name) — signature — 12-12-12 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 06/18/13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1731-12 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1731-12 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kallis	GNKallis	12-12-12	Byron Gelderman		12-12-12
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

BSSchrock	BSSchrock	5/28/13
printed name	signature	date

23. Attachments: 1 = Evidence for NCR Closure.
2.- Hold tag removal notification.

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

See Attachment 2

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

Laura L Jones	Laura Lawson Jones	06/17/13
printed name	signature	date

CONTAINERID: WMPSLB051C

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
WMPSLB051C	55G		NO WDS STATUS	YES (Inactive)	SR-W027-773A-HET	NONE	

BDR DATA

BDRID	Type	Status	Generation Date
SRLBR0074	RTR	Complete	2012-12-12

NCR DATA

Container ID	NCRID	Status	Release Code
WMPSLB051C	NCR-SRS1731120	Open	None

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
WMPSLB051C	SRLBR0074	NCR-SRS1731120	Open	None	2.5 liters observable liquid in plastic bags at 28" to 30"

NCR SRS-1731-12-0

Attachment 1 Page 1 of 1

Jones, Laura - NWP

From: steve.muse@srs.gov
Sent: Wednesday, June 12, 2013 5:32 AM
To: Jones, Laura - NWP
Subject: Re: Hold tags to be pulled.

Laura:

All three of the containers listed below have been repackaged into WMAPSWB578. The hold tags were not presented to us when the drums were placed into the SWB so I don't know if the tags were removed from the original containers or not.

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Cantu, Adela - NWP" <Adela.Cantu@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>, "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
Date: 05/28/2013 01:10 PM
Subject: Hold tags to be pulled.

Steve / Pat – Containers below have been "returned" please pulled hold tags and send notification to close NCRs.

BDR ID	Container ID	Release Code	Reason	NCR
SRLBR0074	WMPSLB051C	Returned	Container has been excluded from the AKTSS.	NCR-SRS-1731-12-0
SRSRTR0608	SR503142A	Returned	Container has been excluded from the AKTSS.	NCR-SRS-1690-12-0
SR4RTR0284	SR500417C	Returned	Container has been excluded from the AKTSS.	NCR-SRS-1703-12-0

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

Steve Muse
Quality Engineer
Nuclear Waste Partnership, LLC
Contractor for the U.S. Department of Energy
Office: 803/208-8031
Fax: 803/208-1072

NCR -SRS-1731-12 Rev.0
Attachment 2 Page 1 of 2

From: "Jones, Laura - NWP" <laura.jones@wipp.ws>
To: "Muse, Steve - SRS" <steve.muse@srs.gov>, "Tilmon, Pat" <william.tilmon@srs.gov>,
Cc: "Schrock, Beverly - NWP" <Beverly.Schrock@wipp.ws>, "Cantu, Adela - NWP" <Adela.Cantu@wipp.ws>, "Walker, Mak (Maryann) - NWP" <Mak.Walker@wipp.ws>, "Mueller, Terry - NWP" <terry.mueller@wipp.ws>
Date: 06/11/2013 09:28 AM
Subject: Hold tags to be pulled.

Steve / Pat – Containers below have been excluded from the AKTSS and have a resolution of "return" in IDC please remove hold tags and notify to close NCRs.

CONTAINER	NCR
SR503142A	NCR-SRS-1690-12-0
SR500417C	NCR-SRS-1703-12-0
WMPSLB051C	NCR-SRS-1731-12-0
HBL120578	NCR-SRS-0239-13-0
HBL120579	
HBL120580	
HBL120584	
HBL120585	NCR-SRS-0242-13-0
SWD12228	NCR-SRS-0234-13-0
SR54064316	
SR54064317	
SR522599A	
FCAN06036A	NCR-SRS-0237-13-0
HBL120583	NCR-SRS-0238-13-0
HBL120581	
HBL120574	
HBL120582	

Thanks and Best Regards

Laura R. Jones
Quality Assurance NCR Coordinator
Nuclear Waste Partnership LLC
Contractor for the U.S. Department of Energy
Office: (575) 234-7244
Email: laura.jones@wipp.ws
Fax: (575) 234-7071

NCR -SRS-1731-12 Rev.0

Attachment 2 Page 2 of 2

DIVIDER PAGE

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-1724-12 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0294
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
N/A	N/A	SR51782002
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☑ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053 Rev. 12, Table 1. LIST OF PROHIBITED ITEMS states: Compressed Gases/Pressurized containers (e.g., aerosol cans)

7c. Actual Condition:
Pressurized aerosol can with fluid at 32".

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO **(If no is checked, explain:)**

8. NCR Originator:
John Brookshire (printed name) — John Brookshire (signature) — 11/1/12 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☑ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☑ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:
Byron Gelderman (printed name) — (signature) — 11-5-12 (date)

CCP RECORDS ORIGINAL
DATE REC'D 02-21-13

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1724-12 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1724-12 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis	Georgia N. Kareis	11/5/12	Byron Gelderman		11-5-12
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia N. Kareis Georgia N. Kareis 2/20/13
printed name signature date

23. Attachments:

No Attachments GNK 2/20/13
Rescanned in SR4RTR0318

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☑

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature 2/20/13
date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-21-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
NCR-SRS-1724-12	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0294 (SR51782002) CLOSED	02/20/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [ ]	Signature	Leon Navarrete (Printed Name)	4.8.13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3865
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/08 08:29
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
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	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-21-13
Telephone Number:	575-234-7523		

Document Number	Title/ Description	Record Date	Total Pages
NCR-SRS-1724-12	CCP NONCONFORMANCE REPORT FOR RTR BDR SR4RTR0294 (SR51782002) CLOSED	02/20/13	3
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

AK25

CCP HOLD TAG
DO NOT REMOVE UNTIL RESOLUTION OF NONCONFORMING CONDITION
COMMENTS:
NOT SUITABLE FOR USE AND/OR SHIPMENT TO WIPP WITH THIS NONCONFORMING CONDITION

NCR No.
CONTAINER/ITEM (s) No.
SDR No.
BRIEF DESCRIPTION OF NONCONFORMING CONDITION:
PRINT NAME
SIGNATURE
DATE

Attachment 2 – Structural Integrity and Distortion Criteria Report

Container ID Number	Container Assessment Criteria (Initial)		Bar Code Label (Initial)		OK to Process Y/N	
	SAT	UNSAT	SAT	UNSAT		
SR515746	WD		WD		Y	
SR515747	WD		WD		Y	
SR515748	WD		WD		Y	
SR515749	WD		WD		Y	
SR500174	WD		WD		Y	

NO FURTHER ENTRIES 1-23-12 WD

Comments: NONE

Completed by: WILL DAVIS (Printed Name) _____ (Signature) 1-23-12 (Date)

CCP VPM Approval: Pat Tilman (Printed Name) _____ (Signature) 1-23-12 (Date)

COPY

CCP RECORDS ORIGINAL
DATE REC'D 1-23-12

Attachment 2 – Structural Integrity and Distortion Criteria Report

Container ID Number	Container Assessment Criteria (Initial)		Bar Code Label (Initial)		OK to Process Y/N	
	SAT	UNSAT	SAT	UNSAT		
SR108180	WD		WD		Y	
SR926624	WD		WD		Y	
SR79150	WD		WD		Y	
SR79178	WD		WD		Y	
MDL310308B	WD		WD		Y	
SR94984B	WD		WD		Y	
SWD101071	WD		WD		Y	
SWD101089	WD		WD		Y	
SR926625	WD		WD		Y	
SR79182	WD		WD		Y	
SR108175	WD		WD		Y	
SR54321409	WD		WD		Y	
SR503751B	WD		WD		Y	
SR610945l6	WD		WD		Y	
SR61017148	WD		WD		Y	
SR503159A	WD		WD		Y	

Comments: NONE

Completed by: WELL DAVIS (Printed Name) _____ (Signature) 4-9-12 (Date)

CCP VPM Approval: Pat Tilmon (Printed Name) _____ (Signature) 4-9-12 (Date)

COPY

CCP RECORDS ORIGINAL
DATE REC'D 04-09-12

Attachment 2 – Structural Integrity and Distortion Criteria Report

	Container ID Number	Container Assessment Criteria (Initial)		Bar Code Label (Initial)		OK to Process Y/N	
		SAT	UNSAT	SAT	UNSAT		
*	MDL0504474		WD	WD		Y	
*	MDL0504476		WD	WD		Y	
*	MDL0504535		WD	WD		Y	
*	MDL0506005		WD	WD		Y	
*	MDL0506007		WD	WD		Y	
*	MDL0506074		WD	WD		Y	
*	MDL0506109		WD	WD		Y	
	MDL0506112	WD		WD		Y	
*	MDL0506542		WD	WD		Y	
*	MDL0506583		WD	WD		Y	
*	MDL0506675		WD	WD		Y	
*	MDL0506692		WD	WD		Y	
*	MDL0543O7		WD	WD		Y	
	MDL502413A	WD		WD		Y	
	MDL504586B	WD		WD		Y	
	SR46001K	WD		WD		Y	

Comments: * DENTS > 1/4" DEEP AND EXCESSIVE RUST.

Completed by: WILL DAVIS (Printed Name) _____ (Signature) 8-9-10 (Date)

CCP VPM Approval: Buddy Fussell (Printed Name) _____ (Signature) 8-9-10 (Date)

COPY

ORIGINAL

Attachment 2 – Structural Integrity and Distortion Criteria Report

Container ID Number	Container Assessment Criteria (Initial)		Bar Code Label (Initial)		OK to Process Y/N	
N/A	SAT	UNSAT	SAT	UNSAT	N/A	N/A
WMAPSWB5216	WD		WD		Y	
SR6074860	WD		WD		Y	

NO FURTHER ENTRIES 10-29-12 WD

Comments: NONE

Completed by: WELL DAVIS (Printed Name) _____ (Signature) 10-29-12 (Date)

CCP VPM Approval: Pat Tilmon (Printed Name) _____ (Signature) 10-30-12 (Date)

COPY

CCP RECORDS ORIGINAL
DATE REC'D 10-30-12

	A	B	C	D	E	
1	Container ID	Container Type	WDS Status	Disposal Date	Date Updated	Up
2	HBL110063	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
3	HBL110064	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
4	HBL110065	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
5	HBL110066	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
6	HBL110067	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
7	HBL110068	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
8	HBL110069	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
9	HBL110070	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
10	HBL110071	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
11	HBL110072	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
12	HBL110073	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mc
13	HBL110074	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
14	HBL110075	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
15	HBL110076	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
16	HBL110077	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
17	HBL110078	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
18	HBL110079	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
19	HBL110080	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
20	HBL110081	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
21	HBL110082	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
22	HBL110083	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
23	HBL110084	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mc
24	HBL110085	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mc
25	HBL110086	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
26	HBL110087	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mc
27	HBL110088	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
28	HBL110089	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mc
29	HBL110090	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mc
30	HBL110091	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
31	HBL110092	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
32	HBL110093	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
33	HBL110094	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
34	HBL110095	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mc
35	HBL110110	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
36	HBL110111	POC			7/13/2012 8:20	mc
37	HBL110112	POC			7/13/2012 8:20	mc
38	HBL110113	POC			7/13/2012 8:20	mc
39	HBL110114	POC			7/13/2012 8:20	mc
40	HBL110115	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
41	HBL110116	POC			7/13/2012 8:20	mc
42	HBL110117	POC			7/13/2012 8:20	mc
43	HBL110118	POC			7/13/2012 8:20	mc
44	HBL110119	POC			7/13/2012 8:20	mc
45	HBL110120	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
46	HBL110121	POC			7/13/2012 8:20	mc
47	HBL110122	POC			7/13/2012 8:20	mc
48	HBL110123	POC			7/13/2012 8:20	mc
49	HBL110124	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
50	HBL110125	POC			7/13/2012 8:20	mc
51	HBL110126	POC			7/13/2012 8:20	mc
52	HBL110127	POC			7/13/2012 8:20	mc
53	HBL110128	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
54	HBL110129	POC			7/13/2012 8:20	mc
55	HBL110130	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mc
56	HBL110131	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mc
57	HBL110132	POC			7/13/2012 8:20	mc
58	HBL110133	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
59	HBL110134	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mc
60	HBL110135	POC			7/13/2012 8:20	mc
61	HBL110136	POC			7/13/2012 8:20	mc
62	HBL110137	POC			7/13/2012 8:20	mc
63	HBL110138	POC			7/13/2012 8:20	mc
64	HBL110139	POC			7/13/2012 8:20	mc
65	HBL110140	POC			7/13/2012 8:20	mc
66	HBL110141	POC			7/13/2012 8:20	mc
67	HBL110142	POC			7/13/2012 8:20	mc
68	HBL110143	POC			7/13/2012 8:20	mc
69	HBL110144	POC			7/13/2012 8:20	mc
70	HBL110145	POC			7/13/2012 8:20	mc
71	HBL110146	POC			7/13/2012 8:20	mc
72	HBL110147	POC			7/13/2012 8:20	mc
73	HBL110148	POC			7/13/2012 8:20	mc
74	HBL110149	POC			7/13/2012 8:20	mc
75	HBL110150	POC			7/13/2012 8:20	mc
76	HBL110151	POC			7/13/2012 8:20	mc
77	HBL110152	POC			7/13/2012 8:20	mc
78	HBL110153	POC			7/13/2012 8:20	mc
79	HBL110154	POC			7/13/2012 8:20	mc
80	HBL110155	POC			7/13/2012 8:20	mc
81	HBL110156	POC			7/13/2012 8:20	mc
82	HBL110157	POC			7/13/2012 8:20	mc
83	HBL110158	POC			7/13/2012 8:20	mc
84	HBL110159	POC			7/13/2012 8:20	mc
85	HBL110160	POC			7/13/2012 8:20	mc
86	HBL110161	POC			7/13/2012 8:20	mc

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	Container ID	Container Type	WDS Status	Disposal Date	Date Updated	Update User	Waste Stream	Waste Matrix Code	DAC Justification Type	Remediation	First Close Date	Last Close Date	Vent Date	Vent Date 1	Original DAC Sample Date	Comments	Special Info	Be Pct Weight	Be Particulate	Beryllium	PCB	Out of Service Date	Parent ID	Grandparent ID	Repack Method
2	HBL110063	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/21/2011		9/21/2011					TRUE	FALSE	TRUE					
3	HBL110064	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
4	HBL110065	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
5	HBL110066	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
6	HBL110067	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
7	HBL110068	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
8	HBL110069	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
9	HBL110070	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
10	HBL110071	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
11	HBL110072	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/22/2011		9/22/2011					TRUE	FALSE	TRUE					
12	HBL110073	POC	EMPLACED_CNTR	8/28/2012 14:06	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/26/2011		9/26/2011					TRUE	FALSE	TRUE					
13	HBL110074	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/26/2011		9/26/2011					TRUE	FALSE	TRUE					
14	HBL110075	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
15	HBL110076	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
16	HBL110077	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
17	HBL110078	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
18	HBL110079	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
19	HBL110080	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
20	HBL110081	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
21	HBL110082	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
22	HBL110083	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
23	HBL110084	POC	EMPLACED_CNTR	8/31/2012 14:49	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
24	HBL110085	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
25	HBL110086	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
26	HBL110087	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
27	HBL110088	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
28	HBL110089	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
29	HBL110090	POC	EMPLACED_CNTR	8/31/2012 9:42	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
30	HBL110091	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
31	HBL110092	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
32	HBL110093	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
33	HBL110094	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
34	HBL110095	POC	EMPLACED_CNTR	8/31/2012 9:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
35	HBL110110	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
36	HBL110111	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
37	HBL110112	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
38	HBL110113	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
39	HBL110114	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
40	HBL110115	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
41	HBL110116	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
42	HBL110117	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
43	HBL110118	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
44	HBL110119	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/20/2011		11/20/2011					TRUE	FALSE	TRUE					
45	HBL110120	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
46	HBL110121	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
47	HBL110122	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
48	HBL110123	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
49	HBL110124	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
50	HBL110125	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
51	HBL110126	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
52	HBL110127	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/27/2011		11/27/2011					TRUE	FALSE	TRUE					
53	HBL110128	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/28/2011		11/28/2011					TRUE	FALSE	TRUE					
54	HBL110129	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/29/2011		11/29/2011					TRUE	FALSE	TRUE					
55	HBL110130	POC	EMPLACED_CNTR	4/11/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
56	HBL110131	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
57	HBL110132	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
58	HBL110133	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
59	HBL110134	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
60	HBL110135	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
61	HBL110136	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
62	HBL110137	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
63	HBL110138	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
64	HBL110139	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
65	HBL110140	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
66	HBL110141	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
67	HBL110142	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
68	HBL110143	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
69	HBL110144	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
70	HBL110145	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/4/2011		12/4/2011					TRUE	FALSE	TRUE					
71	HBL110146	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
72	HBL110147	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
73	HBL110148	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
74	HBL110149	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
75	HBL110150	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
76	HBL110151	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
77	HBL110152	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
78	HBL110153	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
79	HBL110154	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
80	HBL110155	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
81	HBL110156	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
82	HBL110157	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
83	HBL110158	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
84	HBL110159	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/10/2011		12/10/2011					TRUE	FALSE	TRUE					
85	HBL110160	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
86	HBL110161	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
87	HBL110162	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
88	HBL110163	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
89	HBL110164	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
90	HBL110165	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
91	HBL110166	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
92	HBL110167	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/12/2011		12/12/2011					TRUE	FALSE	TRUE					
93	HBL110168	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/13/2011		12/13/2011					TRUE	FALSE	TRUE					
94	HBL110169	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/14/2011		12/14/2011					TRUE	FALSE	TRUE					
95	HBL110170	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/14/2011		12/14/2011					TRUE	FALSE	TRUE					
96	HBL110171	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/14/2011		12/14/2011					TRUE	FALSE	TRUE					
97	HBL110172	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/14/2011		12/14/2011					TRUE	FALSE	TRUE					
98	HBL110173	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/14/2011		12/14/2011					TRUE	FALSE	TRUE					
99	HBL110174	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/15/2011		12/15/2011					TRUE	FALSE	TRUE					
100	HBL110175	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/15/2011		12/15/2011					TRUE	FALSE	TRUE					
101	HBL110176	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/15/2011		12/15/2011					TRUE	FALSE	TRUE					
102	HBL110177	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/15/2011		12/15/2011					TRUE	FALSE	TRUE					
103	HBL110178	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/16/2011		12/16/2011					TRUE	FALSE	TRUE					
104	HBL110179	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/16/2011		12/16/2011					TRUE	FALSE	TRUE					
105	HBL110180	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/16/2011		12/16/2011					TRUE	FALSE	TRUE					
106	HBL110181	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/16/2011		12/16/2011					TRUE	FALSE	TRUE					
107	HBL110182	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/16/2011		12/16/2011					TRUE	FALSE	TRUE					
108	HBL110183	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/17/2011		12/17/2011					TRUE	FALSE	TRUE					
109	HBL110184	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/17/2011		12/17/2011					TRUE	FALSE	TRUE					
110	HBL110185	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/17/2011		12/17/2011					TRUE	FALSE	TRUE					
111	HBL110186	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/17/2011		12/17/2011					TRUE	FALSE	TRUE					
112	HBL110187	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
113	HBL110188	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
114	HBL110189	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
115	HBL110190	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
116	HBL110191	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
117	HBL110192	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
118	HBL110193	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
119	HBL110194	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
120	HBL110195	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/20/2011		12/20/2011					TRUE	FALSE	TRUE					
121	HBL110196	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
122	HBL110197	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
123	HBL110198	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
124	HBL110199	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
125	HBL110200	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
126	HBL110201	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
127	HBL110202	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
128	HBL110203	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
129	HBL120006	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/22/2012		1/22/2012					TRUE	FALSE	TRUE					
130	HBL120007	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/22/2012		1/22/2012					TRUE	FALSE	TRUE					
131	HBL120008	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/22/2012		1/22/2012					TRUE	FALSE	TRUE					
132	HBL120009	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/22/2012		1/22/2012					TRUE	FALSE	TRUE					
133	HBL120010	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/22/2012		1/22/2012					TRUE	FALSE	TRUE					
134	HBL120011	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/23/2012		1/23/2012					TRUE	FALSE	TRUE					
135	HBL120012	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/23/2012		1/23/2012					TRUE	FALSE	TRUE					
136	HBL120013	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/23/2012		1/23/2012					TRUE	FALSE	TRUE					
137	HBL120014	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/23/2012		1/23/2012					TRUE	FALSE	TRUE					
138	HBL120015	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/25/2012		1/25/2012					TRUE	FALSE	TRUE					
139	HBL120016	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/25/2012		1/25/2012					TRUE	FALSE	TRUE					
140	HBL120017	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/25/2012		1/25/2012					TRUE	FALSE	TRUE					
141	HBL120018	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/25/2012		1/25/2012					TRUE	FALSE	TRUE					
142	HBL120019	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/25/2012		1/25/2012					TRUE	FALSE	TRUE					
143	HBL120020	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/26/2012		1/26/2012					TRUE	FALSE	TRUE					
144	HBL120021	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/26/2012		1/26/2012					TRUE	FALSE	TRUE					
145	HBL120022	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/26/2012		1/26/2012					TRUE	FALSE	TRUE					
146	HBL120023	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/27/2012		1/27/2012					TRUE	FALSE	TRUE					
147	HBL120024	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/27/2012		1/27/2012					TRUE	FALSE	TRUE					
148	HBL120025	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/28/2012		1/28/2012					TRUE	FALSE	TRUE					
149	HBL120026	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/28/2012		1/28/2012					TRUE	FALSE	TRUE					
150	HBL120027	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/28/2012		1/28/2012					TRUE	FALSE	TRUE					
151	HBL120028	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/28/2012		1/28/2012					TRUE	FALSE	TRUE					
152	HBL120029	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
153	HBL120030	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
154	HBL120031	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
155	HBL120032	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
156	HBL120033	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
157	HBL120034	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
158	HBL120035	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
159	HBL120036	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
160	HBL120037	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			1/29/2012		1/29/2012					TRUE	FALSE	TRUE					
161	HBL120038	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/4/2012		2/4/2012					TRUE	FALSE	TRUE					
162	HBL120039	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/4/2012		2/4/2012					TRUE	FALSE	TRUE					
163	HBL120040	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/4/2012		2/4/2012					TRUE	FALSE	TRUE					
164	HBL120041	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/5/2012		2/5/2012					TRUE	FALSE	TRUE					
165	HBL120042	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/5/2012		2/5/2012					TRUE	FALSE	TRUE					
166	HBL120043	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/5/2012		2/5/2012					TRUE	FALSE	TRUE					
167	HBL120044	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/5/2012		2/5/2012					TRUE	FALSE	TRUE					
168	HBL120045	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/5/2012		2/5/2012					TRUE	FALSE	TRUE					
169	HBL120046	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
170	HBL120047	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
171	HBL120048	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
172	HBL120049	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
173	HBL120050	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
174	HBL120051	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
175	MBL120052	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
176	MBL120053	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/24/2012		2/24/2012					TRUE	FALSE	TRUE					
177	MBL120054	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/25/2012		2/25/2012					TRUE	FALSE	TRUE					
178	MBL120055	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/26/2012		2/26/2012					TRUE	FALSE	TRUE					
179	MBL120056	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/26/2012		2/26/2012					TRUE	FALSE	TRUE					
180	MBL120057	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/26/2012		2/26/2012					TRUE	FALSE	TRUE					
181	MBL120058	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/26/2012		2/26/2012					TRUE	FALSE	TRUE					
182	MBL120059	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/26/2012		2/26/2012					TRUE	FALSE	TRUE					
183	MBL120060	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/27/2012		2/27/2012					TRUE	FALSE	TRUE					
184	MBL120061	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/27/2012		2/27/2012					TRUE	FALSE	TRUE					
185	MBL120062	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/27/2012		2/27/2012					TRUE	FALSE	TRUE					
186	MBL120063	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/27/2012		2/27/2012					TRUE	FALSE	TRUE					
187	MBL120064	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/29/2012		2/29/2012					TRUE	FALSE	TRUE					
188	MBL120065	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/29/2012		2/29/2012					TRUE	FALSE	TRUE					
189	MBL120066	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/29/2012		2/29/2012					TRUE	FALSE	TRUE					
190	MBL120067	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/29/2012		2/29/2012					TRUE	FALSE	TRUE					
191	MBL120068	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			2/29/2012		2/29/2012					TRUE	FALSE	TRUE					
192	MBL120069	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/1/2012		3/1/2012					TRUE	FALSE	TRUE					
193	MBL120070	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/3/2012		3/3/2012					TRUE	FALSE	TRUE					
194	MBL120071	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/3/2012		3/3/2012					TRUE	FALSE	TRUE					
195	MBL120072	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/3/2012		3/3/2012					TRUE	FALSE	TRUE					
196	MBL120073	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/3/2012		3/3/2012					TRUE	FALSE	TRUE					
197	MBL120074	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/4/2012		3/4/2012					TRUE	FALSE	TRUE					
198	MBL120075	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/4/2012		3/4/2012					TRUE	FALSE	TRUE					
199	MBL120076	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
200	MBL120077	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
201	MBL120078	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
202	MBL120079	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
203	MBL120080	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
204	MBL120081	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/6/2012		3/6/2012					TRUE	FALSE	TRUE					
205	MBL120082	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
206	MBL120083	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/8/2012		3/8/2012					TRUE	FALSE	TRUE					
207	MBL120084	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
208	MBL120085	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
209	MBL120086	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
210	MBL120087	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
211	MBL120088	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
212	MBL120089	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/7/2012		3/7/2012					TRUE	FALSE	TRUE					
213	MBL120090	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
214	MBL120091	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
215	MBL120092	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
216	MBL120093	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
217	MBL120094	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
218	MBL120095	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
219	MBL120096	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
220	MBL120097	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/9/2012		3/9/2012					TRUE	FALSE	TRUE					
221	MBL120098	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
222	MBL120099	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
223	MBL120100	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
224	MBL120101	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
225	MBL120102	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
226	MBL120103	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
227	MBL120104	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
228	MBL120105	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/12/2012		3/12/2012					TRUE	FALSE	TRUE					
229	MBL120106	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
230	MBL120107	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
231	MBL120108	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012			Added per LWatson email 102412		TRUE	FALSE	TRUE					
232	MBL120109	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
233	MBL120110	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
234	MBL120111	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
235	MBL120112	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012			Added per LWatson email 102412		TRUE	FALSE	TRUE					
236	MBL120113	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
237	MBL120114	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/15/2012		3/15/2012					TRUE	FALSE	TRUE					
238	MBL120115	POC			10/24/2012 15:42	mccabed	SR-221H-PuOx	S5100			3/22/2012		3/22/2012			Added per LWatson email 102412		TRUE	FALSE	TRUE	NA				
239	MBL120116	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
240	MBL120117	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
241	MBL120118	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
242	MBL120119	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
243	MBL120120	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
244	MBL120121	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
245	MBL120122	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
246	MBL120123	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
247	MBL120124	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
248	MBL120125	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/17/2012		3/17/2012					TRUE	FALSE	TRUE					
249	MBL120126	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/22/2012		3/22/2012					TRUE	FALSE	TRUE					
250	MBL120127	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
251	MBL120128	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
252	MBL120129	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
253	MBL120130	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
254	MBL120131	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
255	MBL120132	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
256	MBL120133	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/19/2012		3/19/2012					TRUE	FALSE	TRUE					
257	MBL120134	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
258	MBL120135	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
259	MBL120136	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
260	MBL120137	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
261	MBL120138	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
262	MBL120139	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
263	HBL120140	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
264	HBL120141	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/28/2012		3/28/2012					TRUE	FALSE	TRUE					
265	HBL120142	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
266	HBL120143	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
267	HBL120144	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
268	HBL120145	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
269	HBL120146	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
270	HBL120147	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
271	HBL120148	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
272	HBL120149	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
273	HBL120150	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/29/2012		3/29/2012					TRUE	FALSE	TRUE					
274	HBL120154	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
275	HBL120155	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
276	HBL120156	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
277	HBL120157	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
278	HBL120158	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
279	HBL120159	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
280	HBL120160	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
281	HBL120161	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			3/31/2012		3/31/2012					TRUE	FALSE	TRUE					
282	HBL120162	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
283	HBL120163	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
284	HBL120164	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
285	HBL120165	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
286	HBL120166	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
287	HBL120167	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
288	HBL120168	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
289	HBL120169	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
290	HBL120170	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
291	HBL120171	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/1/2012		4/1/2012					TRUE	FALSE	TRUE					
292	HBL120172	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
293	HBL120173	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
294	HBL120174	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
295	HBL120175	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
296	HBL120176	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
297	HBL120177	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
298	HBL120178	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
299	HBL120179	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
300	HBL120180	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/5/2012		4/5/2012					TRUE	FALSE	TRUE					
301	HBL120181	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
302	HBL120182	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
303	HBL120183	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
304	HBL120184	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
305	HBL120185	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
306	HBL120186	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
307	HBL120187	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
308	HBL120188	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
309	HBL120189	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
310	HBL120190	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/15/2012		4/15/2012					TRUE	FALSE	TRUE					
311	HBL120191	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/15/2012		4/15/2012					TRUE	FALSE	TRUE					
312	HBL120192	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/15/2012		4/15/2012					TRUE	FALSE	TRUE					
313	HBL120193	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/15/2012		4/15/2012					TRUE	FALSE	TRUE					
314	HBL120194	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
315	HBL120195	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
316	HBL120196	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
317	HBL120197	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
318	HBL120198	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
319	HBL120199	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/17/2012		4/17/2012					TRUE	FALSE	TRUE					
320	HBL120200	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/17/2012		4/17/2012					TRUE	FALSE	TRUE					
321	HBL120201	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/17/2012		4/17/2012					TRUE	FALSE	TRUE					
322	HBL120202	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/17/2012		4/17/2012					TRUE	FALSE	TRUE					
323	HBL120203	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/17/2012		4/17/2012					TRUE	FALSE	TRUE					
324	HBL120204	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/18/2012		4/18/2012					TRUE	FALSE	TRUE					
325	HBL120205	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/18/2012		4/18/2012					TRUE	FALSE	TRUE					
326	HBL120206	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/18/2012		4/18/2012					TRUE	FALSE	TRUE					
327	HBL120207	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/18/2012		4/18/2012					TRUE	FALSE	TRUE					
328	HBL120208	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/18/2012		4/18/2012					TRUE	FALSE	TRUE					
329	HBL120209	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
330	HBL120210	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
331	HBL120211	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
332	HBL120212	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
333	HBL120213	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
334	HBL120214	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
335	HBL120215	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
336	HBL120216	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
337	HBL120217	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
338	HBL120218	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/20/2012		4/20/2012					TRUE	FALSE	TRUE					
339	HBL120219	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
340	HBL120220	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
341	HBL120221	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
342	HBL120222	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
343	HBL120223	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
344	HBL120224	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
345	HBL120225	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
346	HBL120226	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/22/2012		4/22/2012					TRUE	FALSE	TRUE					
347	HBL120227	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
348	HBL120228	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
349	HBL120229	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
350	HBL120230	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	55100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
351	HBL120231	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
352	HBL120232	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
353	HBL120233	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
354	HBL120234	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
355	HBL120235	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
356	HBL120236	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
357	HBL120237	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
358	HBL120238	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
359	HBL120239	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
360	HBL120240	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
361	HBL120241	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
362	HBL120242	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
363	HBL120243	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/28/2012		4/28/2012					TRUE	FALSE	TRUE					
364	HBL120244	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			4/30/2012		4/30/2012					TRUE	FALSE	TRUE					
365	HBL120245	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
366	HBL120246	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
367	HBL120247	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
368	HBL120248	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
369	HBL120249	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
370	HBL120250	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
371	HBL120251	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
372	HBL120252	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
373	HBL120253	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
374	HBL120254	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
375	HBL120255	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
376	HBL120256	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
377	HBL120257	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
378	HBL120258	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
379	HBL120259	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
380	HBL120260	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/4/2012		5/4/2012					TRUE	FALSE	TRUE					
381	HBL120261	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/5/2012		5/5/2012					TRUE	FALSE	TRUE					
382	HBL120262	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/5/2012		5/5/2012					TRUE	FALSE	TRUE					
383	HBL120263	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/5/2012		5/5/2012					TRUE	FALSE	TRUE					
384	HBL120264	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/5/2012		5/5/2012					TRUE	FALSE	TRUE					
385	HBL120265	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/5/2012		5/5/2012					TRUE	FALSE	TRUE					
386	HBL120266	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/6/2012		5/6/2012					TRUE	FALSE	TRUE					
387	HBL120267	POC	EMPLACED_CNTR	4/11/2013 15:07	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/6/2012		5/6/2012					TRUE	FALSE	TRUE					
388	HBL120268	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/6/2012		5/6/2012					TRUE	FALSE	TRUE					
389	HBL120269	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/6/2012		5/6/2012					TRUE	FALSE	TRUE					
390	HBL120270	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
391	HBL120271	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
392	HBL120272	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
393	HBL120273	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
394	HBL120274	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
395	HBL120275	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
396	HBL120276	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
397	HBL120277	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/7/2012		5/7/2012					TRUE	FALSE	TRUE					
398	HBL120278	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
399	HBL120279	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
400	HBL120280	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
401	HBL120281	POC	EMPLACED_CNTR	4/13/2013 15:41	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
402	HBL120282	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
403	HBL120283	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
404	HBL120284	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
405	HBL120285	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/9/2012		5/9/2012					TRUE	FALSE	TRUE					
406	HBL120286	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
407	HBL120287	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
408	HBL120288	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
409	HBL120289	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
410	HBL120290	POC	EMPLACED_CNTR	4/21/2013 14:27	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
411	HBL120291	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
412	HBL120292	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
413	HBL120293	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/11/2012		5/11/2012					TRUE	FALSE	TRUE					
414	HBL120294	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
415	HBL120295	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
416	HBL120296	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
417	HBL120297	POC	APPROVED_CERT		10/24/2012 15:17	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
418	HBL120298	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
419	HBL120299	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
420	HBL120300	POC	EMPLACED_CNTR	4/23/2013 8:01	7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
421	HBL120301	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/12/2012		5/12/2012					TRUE	FALSE	TRUE					
422	HBL120302	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/15/2012		5/15/2012					TRUE	FALSE	TRUE					
423	HBL120303	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
424	HBL120304	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
425	HBL120305	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
426	HBL120306	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
427	HBL120307	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
428	HBL120308	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
429	HBL120309	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
430	HBL120310	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/14/2012		5/14/2012					TRUE	FALSE	TRUE					
431	HBL120311	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
432	HBL120312	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
433	HBL120313	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
434	HBL120314	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
435	HBL120315	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
436	HBL120316	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
437	HBL120317	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
438	HBL120318	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	S5100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
439	HBL120319	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/29/2012		5/29/2012					TRUE	FALSE	TRUE					
440	HBL120320	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
441	HBL120321	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
442	HBL120322	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
443	HBL120323	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
444	HBL120324	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
445	HBL120325	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
446	HBL120326	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
447	HBL120327	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
448	HBL120328	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			5/31/2012		5/31/2012					TRUE	FALSE	TRUE					
449	HBL120329	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/1/2012		6/1/2012					TRUE	FALSE	TRUE					
450	HBL120330	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/1/2012		6/1/2012					TRUE	FALSE	TRUE					
451	HBL120331	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/1/2012		6/1/2012					TRUE	FALSE	TRUE					
452	HBL120332	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
453	HBL120333	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
454	HBL120334	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
455	HBL120335	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
456	HBL120336	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
457	HBL120337	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/2/2012		6/2/2012					TRUE	FALSE	TRUE					
458	HBL120338	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/3/2012		6/3/2012					TRUE	FALSE	TRUE					
459	HBL120339	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/3/2012		6/3/2012					TRUE	FALSE	TRUE					
460	HBL120340	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/3/2012		6/3/2012					TRUE	FALSE	TRUE					
461	HBL120341	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/4/2012		6/4/2012					TRUE	FALSE	TRUE					
462	HBL120342	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/4/2012		6/4/2012					TRUE	FALSE	TRUE					
463	HBL120343	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/4/2012		6/4/2012					TRUE	FALSE	TRUE					
464	HBL120344	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
465	HBL120345	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
466	HBL120346	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
467	HBL120347	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
468	HBL120348	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
469	HBL120349	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
470	HBL120350	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/5/2012		6/5/2012					TRUE	FALSE	TRUE					
471	HBL120351	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
472	HBL120352	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
473	HBL120353	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
474	HBL120354	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
475	HBL120355	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
476	HBL120356	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
477	HBL120357	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
478	HBL120358	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
479	HBL120359	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/7/2012		6/7/2012					TRUE	FALSE	TRUE					
480	HBL120360	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
481	HBL120361	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
482	HBL120362	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
483	HBL120363	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
484	HBL120364	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
485	HBL120365	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
486	HBL120366	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
487	HBL120367	POC	APPROVED_CERT		7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
488	HBL120368	POC			7/13/2012 8:20	mccabed	SR-221H-PuOx	SS100			6/10/2012		6/10/2012					TRUE	FALSE	TRUE					
489	HBL120369	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
490	HBL120370	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
491	HBL120371	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
492	HBL120372	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
493	HBL120373	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
494	HBL120374	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
495	HBL120375	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
496	HBL120376	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
497	HBL120377	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/18/2012		6/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
498	HBL120378	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/19/2012		6/19/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
499	HBL120379	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/19/2012		6/19/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
500	HBL120380	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
501	HBL120381	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
502	HBL120382	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
503	HBL120383	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
504	HBL120384	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
505	HBL120385	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
506	HBL120386	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/20/2012		6/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
507	HBL120391	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/22/2012		6/22/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
508	HBL120392	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/22/2012		6/22/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
509	HBL120393	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/22/2012		6/22/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
510	HBL120394	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
511	HBL120395	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
512	HBL120396	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
513	HBL120397	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
514	HBL120398	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
515	HBL120399	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
516	HBL120400	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
517	HBL120401	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/23/2012		6/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
518	HBL120402	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
519	HBL120403	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
520	HBL120404	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
521	HBL120405	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
522	HBL120406	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
523	HBL120407	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
524	HBL120408	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
525	HBL120409	POC	EMPLACED_CNTR	4/21/2013 14:27	10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
526	HBL120410	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	SS100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
527	HBL120411	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
528	HBL120412	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
529	HBL120413	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
530	HBL120414	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
531	HBL120415	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
532	HBL120416	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/25/2012		6/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
533	HBL120417	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
534	HBL120418	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			6/28/2012		6/28/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
535	HBL120419	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
536	HBL120420	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
537	HBL120421	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
538	HBL120422	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
539	HBL120423	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
540	HBL120424	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
541	HBL120425	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
542	HBL120426	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
543	HBL120427	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/1/2012		7/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
544	HBL120428	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
545	HBL120429	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
546	HBL120430	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
547	HBL120431	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
548	HBL120432	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
549	HBL120433	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/12/2012		7/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
550	HBL120434	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
551	HBL120435	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
552	HBL120436	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
553	HBL120437	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
554	HBL120438	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
555	HBL120439	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
556	HBL120440	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
557	HBL120441	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
558	HBL120442	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/14/2012		7/14/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
559	HBL120443	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/16/2012		7/16/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
560	HBL120444	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/16/2012		7/16/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
561	HBL120445	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/16/2012		7/16/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
562	HBL120446	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/20/2012		7/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
563	HBL120447	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/20/2012		7/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
564	HBL120448	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/20/2012		7/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
565	HBL120449	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
566	HBL120450	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
567	HBL120451	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
568	HBL120452	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
569	HBL120453	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
570	HBL120454	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
571	HBL120455	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			7/27/2012		7/27/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
572	HBL120458	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/1/2012		8/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
573	HBL120459	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/1/2012		8/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
574	HBL120460	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/1/2012		8/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
575	HBL120461	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/1/2012		8/1/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
576	HBL120462	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/6/2012		8/6/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
577	HBL120463	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/6/2012		8/6/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
578	HBL120464	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/6/2012		8/6/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
579	HBL120465	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
580	HBL120466	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
581	HBL120467	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
582	HBL120468	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
583	HBL120469	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
584	HBL120470	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
585	HBL120471	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
586	HBL120472	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/5/2012		8/5/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
587	HBL120473	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
588	HBL120474	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
589	HBL120475	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
590	HBL120476	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
591	HBL120477	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
592	HBL120478	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
593	HBL120479	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
594	HBL120480	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/9/2012		8/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
595	HBL120481	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
596	HBL120482	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
597	HBL120483	POC	EMPLACED_CNTR	4/21/2013 14:27	10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
598	HBL120484	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
599	HBL120485	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
600	HBL120486	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
601	HBL120487	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/10/2012		8/10/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
602	HBL120488	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
603	HBL120489	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
604	HBL120490	POC	EMPLACED_CNTR	4/13/2013 15:41	10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
605	HBL120491	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
606	HBL120492	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
607	HBL120493	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
608	HBL120494	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
609	HBL120495	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
610	HBL120496	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/12/2012		8/12/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
611	HBL120497	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
612	HBL120498	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
613	HBL120499	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
614	HBL120500	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	$5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
615	HBL120501	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
616	HBL120502	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
617	HBL120503	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
618	HBL120504	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
619	HBL120505	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/13/2012		8/13/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
620	HBL120506	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
621	HBL120507	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
622	HBL120508	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
623	HBL120509	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
624	HBL120510	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
625	HBL120511	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
626	HBL120512	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
627	HBL120513	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
628	HBL120514	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/18/2012		8/18/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
629	HBL120515	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
630	HBL120516	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
631	HBL120517	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
632	HBL120518	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
633	HBL120519	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
634	HBL120520	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
635	HBL120521	POC	APPROVED_CERT		10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
636	HBL120522	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/20/2012		8/20/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
637	HBL120523	POC	EMPLACED_CNTR	4/21/2013 14:27	10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
638	HBL120524	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
639	HBL120525	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
640	HBL120526	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
641	HBL120527	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
642	HBL120528	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
643	HBL120529	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
644	HBL120530	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
645	HBL120531	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/23/2012		8/23/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
646	HBL120532	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
647	HBL120533	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
648	HBL120534	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
649	HBL120535	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
650	HBL120536	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
651	HBL120537	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
652	HBL120538	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
653	HBL120539	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
654	HBL120540	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/25/2012		8/25/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
655	HBL120541	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
656	HBL120542	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
657	HBL120543	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
658	HBL120544	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
659	HBL120545	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
660	HBL120546	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
661	HBL120547	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/29/2012		8/29/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
662	HBL120550	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
663	HBL120551	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
664	HBL120552	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
665	HBL120553	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
666	HBL120554	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
667	HBL120555	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
668	HBL120556	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			8/30/2012		8/30/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
669	HBL120557	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			9/9/2012		9/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
670	HBL120558	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			9/9/2012		9/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
671	HBL120559	POC			10/24/2012 15:37	mccabed	SR-221H-PuOx	S5100			9/9/2012		9/9/2012			Added per Lwatson email 102412		TRUE	FALSE	TRUE					
672	AGNSTR1	SSG	EMPLACED_CNTR		4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	10/29/2006	6/3/2000										
673	AGNSTR10	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
674	AGNSTR11	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/3/2006	6/3/2000										
675	AGNSTR12	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	4/9/2007	12/10/1999	4/9/2007	6/3/2000										
676	AGNSTR18	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	10/29/2006	6/3/2000										
677	AGNSTR19	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/7/2006	6/3/2000										
678	AGNSTR22	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	10/28/2006	6/3/2000										
679	AGNSTR23	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/7/2006	6/3/2000										
680	AGNSTR24	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/8/2006	6/3/2000										
681	AGNSTR25	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
682	AGNSTR26	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	8/24/2007	12/10/1999	8/24/2007	6/3/2000										
683	AGNSTR27	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
684	AGNSTR29	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	12/30/2006	12/10/1999	12/30/2006	6/3/2000										
685	AGNSTR3	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	12/26/2006	12/10/1999	12/26/2006	6/3/2000										
686	AGNSTR30	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	12/28/2006	12/10/1999	12/28/2006	6/3/2000										
687	AGNSTR30A	SSG	EMPLACED_CNTR	4/11/2011 21:29	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			12/28/2006		12/28/2006			WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
688	AGNSTR33	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	3/7/2007	12/10/1999	3/7/2007	6/3/2000										
689	AGNSTR34	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/7/2006	6/3/2000										
690	AGNSTR36	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	10/28/2006	6/3/2000										
691	AGNSTR37	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
692	AGNSTR39	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
693	AGNSTR4	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	10/29/2006	6/3/2000										
694	AGNSTR41	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/6/2006	6/3/2000										
695	AGNSTR42	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	5/16/2007	12/10/1999	5/16/2007	6/3/2000										
696	AGNSTR43	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Purge	0	12/10/1999	12/10/1999	12/10/1999	10/29/2005	6/3/2000										
697	AGNSTR44	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	8/11/2007	12/10/1999	8/11/2007	6/3/2000										
698	AGNSTR45	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	12/26/2006	12/10/1999	12/26/2006	6/3/2000										
699	AGNSTR47	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	5/29/2007	12/10/1999	5/29/2007	6/3/2000										
700	AGNSTR49	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	12/10/1999	12/10/1999	12/10/1999	11/2/2006	6/3/2000										
701	AGNSTR5	SSG	EMPLACED_CNTR	4/11/2011 21:29	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	12/29/2006	12/10/1999	12/29/2006	6/3/2000	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
702	AGNSTR6	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	7/25/2007	12/10/1999	7/25/2007	6/3/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
703	AGNSTR7	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	1/3/2007	12/10/1999	1/3/2007	6/3/2000										
704	AGNSTR8	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	7/16/2007	12/10/1999	7/16/2007	6/3/2000										
705	AGNSTR9	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/10/1999	4/9/2007	12/10/1999	4/9/2007	6/3/2000										
706	SRS17121	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/13/2006											
707	SRS17122	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/24/2006											
708	SRS17123	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/23/2006											
709	SRS17124	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/23/2006											
710	SRS17125	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	3/23/1983	11/7/2007		11/7/2007											
711	SRS17125A	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	11/7/2007		11/7/2007		5/1/2006										
712	SRS17126	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	1/23/1983	11/8/2007		11/8/2007											
713	SRS17126A	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	11/8/2007		11/8/2007		5/2/2006										
714	SRS17127	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/12/2006											
715	SRS17128	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/13/2006											
716	SRS17129	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/11/2006											
717	SRS17130	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	3/23/1983	5/28/2007		5/28/2007											
718	SRS17131	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			3/23/1983			12/13/2006											
719	SRS17132	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	3/23/1983	3/23/1983		12/13/2006											
720	SRS17133	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	3/23/1983	11/29/2007		11/29/2007											
721	SRS17133A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	11/29/2007		11/29/2007		5/23/2006										
722	SRS17134	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	3/23/1983	7/25/2007		7/25/2007											
723	SRS17134A	SSG	EMPLACED_CNTR	8/11/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	7/25/2007		7/25/2007		1/17/2008										
724	SRS17135	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	1/16/2008		1/16/2008											
725	SRS17135A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	1/16/2008		1/16/2008		7/19/2008										
726	SRS17136	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	12/20/2007		12/20/2007											
727	SRS17136A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	12/20/2007		12/20/2007		6/13/2008										
728	SRS17137	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			4/6/1983			12/19/2006											
729	SRS17138	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	10/25/2007		10/25/2007											
730	SRS17139	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	8/27/2007		8/27/2007											
731	SRS17141	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	9/12/2007		9/12/2007											
732	SRS17142	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			4/6/1983			12/20/2006											
733	SRS17143	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	9/6/2007		9/6/2007											
734	SRS17144	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	10/11/2007		10/11/2007											
735	SRS17145	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	11/8/2007		11/8/2007											
736	SRS17145A	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	11/8/2007		11/8/2007		5/2/2006										
737	SRS17146	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	4/12/2007		4/12/2007											
738	SRS17146A	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			4/12/2007		4/12/2007												
739	SRS17147	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	4/16/2007		4/16/2007											
740	SRS17147A	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			4/16/2007		4/16/2007												
741	SRS17148	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/6/1983	11/12/2007		11/12/2007											
742	SRS17148A	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	11/12/2007		11/12/2007		5/6/2008										
743	SRS17149	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	4/19/2007		4/19/2007											
744	SRS17150	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	4/18/2007		4/18/2007											
745	SRS17150A	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	4/18/2007		4/18/2007		10/11/2007										
746	SRS17151	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/9/2007		5/9/2007											
747	SRS17151A	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	5/9/2007		5/9/2007		11/1/2007										
748	SRS17152	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/10/2007		5/10/2007											
749	SRS17153	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/9/2007		5/9/2007											
750	SRS17153A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	5/9/2007		5/9/2007		11/1/2007										
751	SRS17154	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	9/20/2007		9/20/2007											
752	SRS17154A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/20/2007	6/2/2008	9/20/2007	6/2/2008	3/14/2008										
753	SRS17155	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			5/15/1983			1/8/2007											
754	SRS17156	SSG	EMPLACED_CNTR	1/23/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	9/1/2007		9/1/2007											
755	SRS17158	SSG	EMPLACED_CNTR	8/11/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	11/20/2007		11/20/2007											
756	SRS17158A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	11/20/2007	8/11/2008	11/20/2007	8/11/2008	5/14/2008										
757	SRS17159	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	1/3/2008		1/3/2008											
758	SRS17159A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	1/3/2008		1/3/2008		6/27/2008										
759	SRS17180	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/4/2007		5/4/2007											
760	SRS18414	SSG	EMPLACED_CNTR	5/11/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	2/4/2008		2/4/2008											
761	SRS18414A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	7/30/2007		7/30/2007		1/22/2008										
762	SRS18427	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	4/10/2007		4/10/2007											
763	SRS18427A	SSG	EMPLACED_CNTR	8/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			4/10/2007		4/10/2007												
764	SRS20504	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			8/30/1983			12/31/2006											
765	SRS20505	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	1/9/2008		1/9/2008											
766	SRS20506	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	5/29/2007		5/29/2007											
767	SRS20507	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	1/10/2008		1/10/2008				TRUE	TRUE	FALSE					
768	SRS20507A	SSG	EMPLACED_CNTR	2/17/2012 16:08	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	1/10/2008		1/10/2008		7/4/2008										
769	SRS20508	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	5/29/2007		5/29/2007											
770	SRS20509	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/9/2007		5/9/2007											
771	SRS20509A	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/9/2007	8/2/2007	5/9/2007	8/2/2007	11/1/2007										
772	SRS20510	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	10/30/2007		10/30/2007											
773	SRS20511	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	5/25/1983	5/4/2007		5/4/2007											
774	SRS20511A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	5/4/2007		5/4/2007		10/27/2007										
775	SRS20512	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			8/30/1983			12/17/2006											
776	SRS20513	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	1/9/2008		1/9/2008											
777	SRS20513A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	1/9/2008		1/9/2008		7/3/2008										
778	SRS20513B	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400			1/9/2008		1/9/2008												
779	SRS20514	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	10/18/2007		10/18/2007											
780	SRS20514A	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	10/18/2007		10/18/2007		4/11/2008										
781	SRS20515	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	4/17/2007		4/17/2007											
782	SRS20515A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	4/17/2007	10/24/2007	4/17/2007	10/24/2007	10/10/2007										
783	SRS20516	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	8/30/1983	5/13/2008		5/13/2008											
784	SRS20517	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/21/1983	9/11/2007		9/11/2007											
785	SRS20517A	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	9/11/2007		9/11/2007		3/5/2008										
786	SRS20518	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/21/1983	5/8/2007		5/8/2007											
787	SRS20519	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/11/1983	9/11/2007		9/11/2007											
788	SRS20519A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	9/11/2007		9/11/2007		3/5/2008										
789	SRS20520	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/21/1983	4/12/2007		4/12/2007											
790	SRS20520A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-AGNS-HET	S5400		0	4/12/2007		4/12/2007		10/5/2007										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
791	SR520522	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/21/1983	4/11/2007		4/11/2007											
792	SR520525	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	10/8/2007		10/8/2007											
793	SR520526	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/21/1983	3/8/2007		3/8/2007											
794	SR520527	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	1/25/2008		1/25/2008											
795	SR520528	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/7/1983			1/16/2007											
796	SR520531	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	11/10/2007		11/10/2007											
797	SR520532	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	4/11/2007		4/11/2007											
798	SR520536	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	1/15/2008		9/15/2008											
799	SR520537	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	11/14/2007		11/14/2007											
800	SR520538	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	11/5/2007		11/5/2007											
801	SR520540	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			9/21/1983			12/27/2006											
802	SR520541	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	5/8/2007		5/8/2007											
803	SR520542	SSG	EMPLACED_CNTR	2/17/2012 16:09	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	2/14/2008		2/14/2008				TRUE	TRUE	FALSE					
804	SR520543	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	11/13/2007		11/13/2007											
805	SR520543A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400		0	11/13/2007		11/13/2007		5/7/2008										
806	SR520545	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	12/1/2007		12/1/2007											
807	SR520545A	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400		0	12/1/2007		12/1/2007		5/25/2008										
808	SR520546	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	9/30/1983	5/11/2007		5/11/2007											
809	SR520547	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	10/8/2007		10/8/2007											
810	SR520549	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	1/8/2008		1/8/2008											
811	SR520549A	SSG	EMPLACED_CNTR	9/21/2012 13:21	6/6/2012 14:34	mccabed	SR-AGNS-HET	S5400		0	1/8/2008		1/8/2008			NCR-SRS-04 10-08, does not meet the definition for S5000 debris waste, Null Wastestream; Exclude per BSchrock email 043012; WS added back per MFapp email 060512.		FALSE	FALSE	FALSE					
812	SR520551	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/7/1983	1/25/2008		1/25/2008											
813	SR520553	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/7/1983			1/14/2007											
814	SR520554	SSG	EMPLACED_CNTR	1/25/2006	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/7/1983			1/15/2007											
815	SR520555	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/25/1983			1/8/2007											
816	SR520556	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/25/1983			1/5/2007											
817	SR520557	SSG	EMPLACED_CNTR	6/14/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	V&P Purge	0	10/25/1983	10/25/1983		1/6/2007											
818	SR520558	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	5/8/2007		5/8/2007											
819	SR520559	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	3/7/2007		3/7/2007											
820	SR520560	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	V&P Vent	0	10/25/1983	10/25/1983		1/6/2007											
821	SR520561	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	1/30/2008		1/30/2008											
822	SR520567	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	1/31/2008		1/31/2008											
823	SR520567A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400		0	1/31/2008		1/31/2008		7/25/2008										
824	SR520568	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	8/7/2008		8/7/2008											
825	SR520569	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/25/1983			1/7/2007											
826	SR520571	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	10/25/1983	3/7/2007		3/7/2007											
827	SR520572	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			10/25/1983			1/6/2007											
828	SR520573	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	3/8/2007		3/8/2007											
829	SR520574	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	1/7/2008		1/7/2008											
830	SR520574A	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400		0	1/7/2008		1/7/2008		7/1/2008										
831	SR520575	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			12/8/1983			1/5/2007											
832	SR520576	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	4/11/2007		4/11/2007											
833	SR520576A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			4/11/2007		4/11/2007												
834	SR520579	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	4/9/2007		4/9/2007											
835	SR520579A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400			4/9/2007		4/9/2007												
836	SR520581	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	9/7/2007		9/7/2007											
837	SR520581A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400		0	9/7/2007		9/7/2007		3/1/2008										
838	SR520584	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HET	S5400	Remediate	1	12/8/1983	2/4/2008		2/4/2008											
839	SR520501	SSG	EMPLACED_CNTR	2/19/2012 10:45	9/12/2011 8:57	mccabed	SR-AGNS-HOM	S3150	V&P Purge	0	8/30/1983	8/30/1983		12/19/2006		Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
840	SR520502	SSG	EMPLACED_CNTR	2/19/2012 10:45	9/12/2011 8:57	mccabed	SR-AGNS-HOM	S3150	V&P Purge	0	8/30/1983	8/30/1983		12/19/2006		Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
841	SR520503	SSG	EMPLACED_CNTR	2/14/2012 9:00	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Purge	0	8/30/1983	8/30/1983		12/18/2006				TRUE	TRUE	FALSE					
842	SR520524	SSG	EMPLACED_CNTR	2/18/2012 14:08	6/28/2011 18:13	mccabed	SR-AGNS-HOM	S3150	V&P Vent	1	9/21/1983			8/1/2007		Changed containertype per CSoaterra email 062811		TRUE	TRUE	FALSE					
843	SR520530	SSG	EMPLACED_CNTR	2/19/2012 10:44	9/12/2011 8:58	mccabed	SR-AGNS-HOM	S3150	V&P Vent	1	9/21/1943			8/1/2007		SRSRTR0119 shown 55 gallon drum as the container type; Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
844	SR520533	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Vent	0	9/21/1983	9/21/1983		9/21/2007		12/27/2006 V&P Vent		TRUE	TRUE	FALSE					
845	SR520534	SSG	EMPLACED_CNTR	2/19/2012 10:44	9/12/2011 8:59	mccabed	SR-AGNS-HOM	S3150	V&P Vent	1	9/21/1983			8/1/2007		Changed containertype per CSoaterra email 062811; Added AKA per ACantu email 090811. 12/26/2006 V&P Vent; Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
846	SR520539	SSG	EMPLACED_CNTR	2/18/2012 10:44	9/12/2011 8:59	mccabed	SR-AGNS-HOM	S3150	V&P Vent	0	9/21/1983	9/21/1983		9/20/2007				TRUE	TRUE	FALSE					
847	SR520548	SSG	EMPLACED_CNTR	2/18/2012 14:08	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Vent	0	9/30/1983	9/30/1983		8/19/2008		01/27/2008 V&P Purge		TRUE	TRUE	FALSE					
848	SR520550	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Vent	0	9/30/1983	9/30/1983		9/21/2007		12/21/2006 V&P Purge		TRUE	TRUE	FALSE					
849	SR520552	SSG	EMPLACED_CNTR	2/19/2012 10:45	9/12/2011 9:00	mccabed	SR-AGNS-HOM	S3150	V&P Vent	1	9/30/1983			8/1/2007		SRSRTR0119 shown 55 Gallon Drum as container type; Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
850	SR520562	SSG	EMPLACED_CNTR	2/19/2012 10:45	9/12/2011 9:01	mccabed	SR-AGNS-HOM	S3150	V&P Vent	1	10/7/1983			8/1/2007		SRSRTR0119 shown 55 gallon drum as the container type; Added AKA per ACantu email 090811.		TRUE	TRUE	FALSE					
851	SR520563	SSG	EMPLACED_CNTR	2/18/2012 14:08	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Vent	0	10/7/1983	10/7/1983		9/21/2007		01/15/2007 V&P Vent		TRUE	TRUE	FALSE					
852	SR520564	SSG	EMPLACED_CNTR	2/18/2012 14:08	4/28/2011 6:00	WWIS_Updt	SR-AGNS-HOM	S3150	V&P Vent	0	10/7/1983	10/7/1983		8/1/2007				TRUE	TRUE	FALSE					
853	WMAPSWB574	SWB	APPROVED_CERT		12/17/2012 16:18	mccabed	SR-AGNS-HOM	S3150	None		12/13/2012		12/13/2012			SWB Loading Data Sheet for SW15.3-SOP-LCNCC-01	- Rpkgd was SR520565	TRUE	TRUE	FALSE			SR520565		NA
854	BCD151	SSG	EMPLACED_CNTR	6/16/2013 9:36	9/20/2012 9:15	mccabed	SR-BCLDP_003.001	S3212			10/9/2002		10/9/2002			Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE	NA				
855	BCD166	SSG	EMPLACED_CNTR	6/16/2013 9:36	9/20/2012 9:16	mccabed	SR-BCLDP_003.001	S3212			3/12/2003		3/12/2003			Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE	NA				
856	BC0024	SSG	APPROVED_CERT		4/20/2012 14:18	mccabed	SR-BCLDP_004.004	S5410			8/18/1999		8/18/1999					TRUE	FALSE	TRUE	NA				
857	BCSWB01	SWB	APPROVED_CHARZ		5/7/2012 19:18	mccabed	SR-BCLDP-HET	S5400			7/17/2003		7/17/2003			LLW per ACantu email 030112; Added back per BSchrock email 050712.		FALSE	FALSE	FALSE	NA				
858	BCSWB02	SWB	APPROVED_CERT		4/20/2012 14:18	mccabed	SR-BCLDP-HET	S5400	Remediation		7/17/2003	11/1/2011	7/17/2003	11/1/2011			- Rpkgd into BCSWB02A - Rpkgd into BCSWB02B - Rpkgd into BCSWB02C - Rpkgd into BCSWB02D	TRUE	FALSE	FALSE	NA				
859	BCSWB02A	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/20/2012 14:46	mccabed	SR-BCLDP-HET	S5400	None		11/1/2011		11/1/2011				- Rpkgd was BCSWB02	TRUE	FALSE	FALSE	NA		BCSWB02		Daughter
860	BCSWB02B	SSG	EMPLACED_CNTR	4/23/2013 8:01	4/20/2012 14:47	mccabed	SR-BCLDP-HET	S5400	Remediation		11/1/2011	1/25/2012	11/1/2011	1/25/2012			- Rpkgd was BCSWB02 - Rpkgd into BCSWB02E	TRUE	FALSE	FALSE	NA		BCSWB02		Daughter
861	BCSWB02C	SSG	EMPLACED_CNTR	4/23/2013 8:01	4/20/2012 14:47	mccabed	SR-BCLDP-HET	S5400	Remediation		11/1/2011	1/26/2012	11/1/2011	1/26/2012			- Rpkgd was BCSWB02	TRUE	FALSE	FALSE	NA		BCSWB02		Daughter
862	BCSWB02D	SSG	EMPLACED_CNTR	4/23/2013 8:01	4/20/2012 14:48	mccabed	SR-BCLDP-HET	S5400	None		11/1/2011		11/1/2011				- Rpkgd was BCSWB02	TRUE	FALSE	FALSE	NA		BCSWB02		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
863	BCSWB02E	SSG	EMPLACED_CNTR	4/23/2013 8:01	4/20/2012 14:48	mccabed	SR-BCLDP-HET	SS400	None		1/25/2012		1/25/2012				- Rpkgd was BCSWB02 - Rpkgd was BCSWB02B	TRUE	FALSE	FALSE	NA		BCSWB02B	BCSWB02	Daughter
864	BCSWB04A	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/30/2012 14:49	mccabed	SR-BCLDP-HET	SS400	None		3/26/2012		3/26/2012				- Rpkgd was BCSWB04 - Rpkgd was BCSWB04B	TRUE	FALSE	FALSE	NA		BCSWB04B	BCSWB04	Daughter
865	BCSWB04B	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/20/2012 14:48	mccabed	SR-BCLDP-HET	SS400	Remediation		11/4/2011	3/26/2012	11/4/2011	3/26/2012			- Rpkgd was BCSWB04 - Rpkgd into BCSWB04A	TRUE	FALSE	FALSE	NA				
866	BCSWB06C	SSG	EMPLACED_CNTR	4/23/2013 8:01	7/23/2012 13:28	mccabed	SR-BCLDP-HET	SS400			7/2/2012	7/17/2012	7/2/2012	7/17/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was BCSWB06	TRUE	FALSE	FALSE	NA		BCSWB06		Daughter
867	BCSWB06D	SWB	APPROVED_CERT		7/16/2012 10:50	mccabed	SR-BCLDP-HET	SS400			7/2/2012		7/2/2012				- Rpkgd was BCSWB06	TRUE	FALSE	FALSE	NA		BCSWB06		Daughter
868	WMAPSWB541	SWB	EMPLACED_CNTR	4/19/2013 14:54	9/21/2012 14:08	mccabed	SR-BCLDP-HET	SS400			9/18/2012		9/18/2012			Inner containers are BCSWB05A and BCSWB05B. Special Case Containers Reason: Contains Be - IH per SW15.3-SOP-LCNCC-01	- Rpkgd was BCSWB05 / Repacked was BCSWB05A / Repacked was BCSWB05B	FALSE	FALSE	FALSE	NA				
869	WMAPSWB542	SWB	EMPLACED_CNTR	5/1/2013 15:16	9/21/2012 14:05	mccabed	SR-BCLDP-HET	SS400			9/18/2012		9/18/2012			Inner containers are BCSWB05C and BCSWB05D; Special Case Containers Reason: Contains Be - IH per SW15.3-SOP-LCNCC-01.	- Rpkgd was BCSWB05 / Repacked was BCSWB05C / Repacked was BCSWB05D	FALSE	FALSE	FALSE	NA				
870	WMAPSWB543	SWB	EMPLACED_CNTR	4/21/2013 14:27	9/21/2012 13:59	mccabed	SR-BCLDP-HET	SS400			9/18/2012		9/18/2012			Inner Containers are BCSWB06A and BCSWB06B; Special Case Containers Reason: Contains Be - IH.	- Rpkgd was BCSWB06 / Repacked was BCSWB06A / Repacked was BCSWB06B	FALSE	FALSE	FALSE	NA				
871	DWPF06001	SSG	APPROVED_CHARZ		1/3/2013 15:47	mccabed	SR-DWPF-HET	SS400			1/2/2006		1/2/2006			LLW per Cloaterra email 082212; Un-exlcused per RKantrowitz 010313.		TRUE	FALSE	FALSE	NA				
872	DWPF06002	SSG	APPROVED_CERT		4/20/2012 14:50	mccabed	SR-DWPF-HET	SS400			2/2/2006		2/2/2006					TRUE	FALSE	FALSE	NA				
873	SR14706101	SWB	EMPLACED_CNTR	4/13/2013 15:41	5/18/2012 14:56	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	10/7/2010		10/7/2010		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
874	SR14706103	SWB	EMPLACED_CNTR	4/14/2013 10:07	5/18/2012 15:14	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	10/7/2010		10/7/2010		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
875	SR14706105	SWB	EMPLACED_CNTR	4/14/2013 10:07	5/15/2012 15:57	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	10/7/2010		10/7/2010			Rpkgd was SR147061	TRUE	FALSE	FALSE			SR147061		R
876	SR14706108	SWB	APPROVED_CERT		5/18/2012 15:15	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	10/7/2010		10/7/2010		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
877	SR14706109	SWB	EMPLACED_CNTR	5/3/2013 15:01	5/18/2012 15:18	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	10/7/2010		10/7/2010		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
878	SR14706110	SLB2	EMPLACED_CNTR	7/14/2013 11:07	10/26/2012 12:40	mccabed	SR-HBL-235F-HET	SS400			7/27/2012		7/27/2012	9/25/2012		PCB Bulk Product Waste - Non Leachable; 221-F-55078 TRU Waste Container Remediation; Parent generation date: 10/9/2010; Filter reconfiguration date: 9/25/2012; Reduced filter model: NFT-013; Permit-Only VentDate1: 10/24/2012.	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
879	SR14706111	SLB2	APPROVED_CERT		10/15/2012 14:11	mccabed	SR-HBL-235F-HET	SS400			10/9/2010		10/9/2010	10/3/2012		PCB Bulk Product Waste - Non Leachable; Vent date 1 added per JBiedscheid email 091112; Ventdate1 updated per JBiedscheid email 101212; Filter reconfiguration date: 10/3/2012; Reduced filter model: NFT-013	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
880	SR14706112	SLB2	APPROVED_CERT		10/15/2012 14:19	mccabed	SR-HBL-235F-HET	SS400			10/9/2010		10/9/2010	10/4/2012		PCB Bulk Product Waste - Non Leachable; Vent date 1 added per JBiedscheid email 091112; Ventdate1 updated per JBiedscheid email 101212; Filter reconfiguration date: 10/4/2012; Reduced filter model: NFT-013	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
881	SR14706113	SLB2	EMPLACED_CNTR	8/6/2013 14:11	10/15/2012 14:20	mccabed	SR-HBL-235F-HET	SS400			10/9/2010		10/9/2010	10/1/2012		PCB Bulk Product Waste - Non Leachable; Vent date 1 added per JBiedscheid email 091112; Ventdate1 updated per JBiedscheid email 101212; Filter reconfiguration date: 10/2/2012; Reduced filter model: NFT-013	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
882	SR14706114	SLB2	EMPLACED_CNTR	8/2/2013 15:14	8/27/2012 18:12	mccabed	SR-HBL-235F-HET	SS400			10/9/2010		10/9/2010	9/23/2012		PCB Bulk Product Waste - Non Leachable; Updated per JBiedscheid email 082412.	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
883	SR14706115	SSG	APPROVED_CERT		5/18/2012 14:54	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	5/20/2011		5/20/2011		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
884	SR14706116	SSG	APPROVED_CERT		5/18/2012 14:54	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	5/20/2011		5/20/2011		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
885	SR14706117	SSG	APPROVED_CERT		5/18/2012 14:55	mccabed	SR-HBL-235F-HET	SS400			11/13/1984	5/21/2011		5/21/2011		PCB Bulk Product Waste - Non Leachable	Rpkgd was SR147061	TRUE	FALSE	FALSE	Yes	10/13/2005	SR147061		R
886	RAC0900001	SSG	APPROVED_CERT		4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			12/6/2008		12/6/2008					TRUE	TRUE	TRUE					
887	RAC0900011	SSG	APPROVED_CERT		4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			7/14/2009		7/14/2009					TRUE	TRUE	TRUE					
888	RAC0900023	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			9/29/2009		9/29/2009					TRUE	TRUE	TRUE					
889	RAC0900024	SSG	APPROVED_CERT		4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			9/29/2009		9/29/2009					TRUE	TRUE	TRUE					
890	RAC1000013	SSG	APPROVED_CERT		4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			10/21/2010		10/21/2010					TRUE	TRUE	TRUE					
891	RAC1100007	SSG	APPROVED_CERT		4/5/2012 8:40	mccabed	SR-KAC-HET	SS400			12/29/2010		12/29/2010					TRUE	TRUE	TRUE					
892	RAC1200010	SSG			8/27/2013 14:37	mccabed	SR-KAC-HET	SS400			8/14/2012		8/14/2012			Added per JHarrison 082713.		TRUE	TRUE	TRUE	NA				
893	RAC1200011	SSG			8/27/2013 14:39	mccabed	SR-KAC-HET	SS400			8/14/2012		8/14/2012			Added per JHarrison 082713.		TRUE	TRUE	TRUE	NA				
894	RAC0900022	SSG			8/27/2013 14:41	mccabed	SR-KAC-HET-A	SS400			7/15/2013		7/15/2013			Added per JHarrison 082713.		TRUE	TRUE	TRUE	NA				
895	SR46001C	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/11/2011 14:38	mccabed	SR-LA-PAD1	SS400	Vent		6/7/1971		6/7/1971	2/21/2011				TRUE	TRUE	TRUE					
896	SR46001D	SSG	EMPLACED_CNTR	7/27/2011 15:30	5/11/2011 13:21	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			2/21/2011				TRUE	TRUE	TRUE					
897	SR46001E	SSG	EMPLACED_CNTR	3/28/2012 15:44	6/22/2011 15:36	mccabed	SR-LA-PAD1	SS400	Remediation	0	6/7/1971	8/16/2011		8/16/2011			- Rpkgd into SR46001EA	TRUE	TRUE	TRUE					
898	SR46001F	SSG	EMPLACED_CNTR	5/12/2011 19:02	5/11/2011 15:12	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			2/21/2011				TRUE	TRUE	TRUE					
899	SR46001G	SSG	PRESUB_CERT		3/15/2012 10:07	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971	2/21/2011		2/21/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
900	SR46001H	SSG	EMPLACED_CNTR	8/4/2011 22:55	4/28/2011 6:00	mccabed	SR-LA-PAD1	SS400	Remediation	0	6/7/1971	3/16/2011		3/16/2011			- Rpkgd into SR46001HA	TRUE	TRUE	TRUE					
901	SR46001HA	SSG	EMPLACED_CNTR	8/4/2011 22:55	4/28/2011 6:00	mccabed	SR-LA-PAD1	SS400			6/7/1971	3/16/2011		3/16/2011			- Rpkgd Was SR46001H	TRUE	TRUE	TRUE			SR46001H		Daughter
902	SR46001I	SSG	EMPLACED_CNTR	7/11/2011 12:16	5/11/2011 13:22	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			2/21/2011				TRUE	TRUE	TRUE					
903	SR46001J	SSG	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	SS400	Remediation	0	6/7/1971	4/20/2011		4/20/2011			- Rpkgd into SR46001JA	TRUE	TRUE	TRUE					
904	SR46001JA	SSG	EMPLACED_CNTR	1/10/2012 12:54	4/28/2011 6:00	mccabed	SR-LA-PAD1	SS400			6/7/1971	4/20/2011		4/20/2011			- Rpkgd Was SR46001J	TRUE	TRUE	TRUE			SR46001J		Repack
905	SR46001K	SSG	EMPLACED_CNTR	5/10/2011 21:16	5/11/2011 15:29	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			7/15/2010				TRUE	TRUE	TRUE					
906	SR46001L	SSG	EMPLACED_CNTR	8/4/2011 22:55	4/28/2011 6:00	WWIS Updt	SR-LA-PAD1	SS400	Remediate	0	6/7/1971	12/14/2010		12/14/2010				TRUE	TRUE	TRUE					
907	SR46001LA	SSG	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	WPPNET\SCJ Master	SR-LA-PAD1	SS400		0	12/14/2010		12/14/2010		6/8/2011			TRUE	TRUE	TRUE					
908	SR46001LB	SSG	APPROVED_CERT		4/20/2012 14:51	mccabed	SR-LA-PAD1	SS400			12/14/2010	3/20/2012	12/14/2010	3/20/2012		SWD10401 re-named; Daughter drum containing prohibited items per LWatson email 110411; Tru drum repacking 221-F-55006.		TRUE	FALSE	TRUE	NA		SR46001L		Repack
909	SR46001M	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/26/2011 9:11	mccabed	SR-LA-PAD1	SS400	Remediation	0	6/7/1971	9/19/2011		9/19/2011			- Rpkgd into SR46001MA	TRUE	TRUE	TRUE					
910	SR46001MA	SSG	EMPLACED_CNTR	2/18/2012 13:12	9/26/2011 9:11	mccabed	SR-LA-PAD1	SS400	None	0	9/19/2011		9/19/2011				- Rpkgd was SR46001M	TRUE	TRUE	TRUE			SR46001M		Daughter
911	SR46001N	SSG	EMPLACED_CNTR	5/10/2011 21:16	5/11/2011 15:30	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			7/15/2010				TRUE	TRUE	TRUE					
912	SR46001O	SSG	EMPLACED_CNTR	5/10/2011 21:16	5/11/2011 15:30	mccabed	SR-LA-PAD1	SS400	V&P Vent	0	6/7/1971			7/15/2010				TRUE	TRUE	TRUE					
913	SR46001P	SSG	EMPLACED_CNTR	1/10/2012 12:54	5/1/2011 16:48	mccabed	SR-LA-PAD1	SS400	Remediation		6/7/1971	4/26/2011	6/7/1971	4/26/2011			- Rpkgd into SR46001PA	TRUE	TRUE	TRUE					
914	SR46001PA	SSG	PRESUB_CERT		9/16/2012 16:55	mccabed	SR-LA-PAD1	SS400	None		4/26/2011	8/8/2012	4/26/2011	8/8/2012		Exclude per BSchrock email 043012; 221-F-55006 Tru Drum Repackaging; Added back per LWatson 091412.	- Rpkgd was SR46001P - Rpkgd into SR46001PB	TRUE	TRUE	TRUE					
915	SR46001PB	SSG	EMPLACED_CNTR	12/15/2012 13:43	10/9/2012 22:47	mccabed	SR-LA-PAD1	SS400	None		8/8/2012		8/8/2012			Parent excluded per BSchrock email 043012; Added WS and unexcluded per LWatson email 100912.	- Rpkgd was SR46001P - Rpkgd was SR46001PA	TRUE	TRUE	TRUE			SR46001PA	SR46001P	Repack
916	SR46001Q	SSG	EMPLACED_CNTR	7/17/2011 9:49	5/11/2011 15:31	mccabed	SR-LA-PAD1	SS400	Vent	0	6/7/1971			1/28/2011				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
917	SR46001R	55G	EMPLACED_CNTR	1/16/2013 15:01	3/15/2012 9:56	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971	3/25/2011		3/25/2011		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
918	SR46001S	55G	EMPLACED_CNTR	5/10/2011 21:16	5/11/2011 15:31	mccabed	SR-LA-PAD1	55400	V&P Vent	0	6/7/1971			7/14/2010				TRUE	TRUE	TRUE					
919	SR46001T	55G	EMPLACED_CNTR	7/17/2011 9:49	5/11/2011 15:45	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	4/14/2011	6/7/1971	4/14/2011			- Rpkgd into SR46001TA	TRUE	TRUE	TRUE					
920	SR46001TA	55G	EMPLACED_CNTR	3/28/2012 15:44	3/15/2012 10:05	mccabed	SR-LA-PAD1	55400			4/14/2011		4/14/2011				Rpkgd Was SR46001T	TRUE	TRUE	TRUE			SR46001T		Daughter
921	SR46001U	55G	EMPLACED_CNTR	11/7/2011 13:05	5/11/2011 15:46	mccabed	SR-LA-PAD1	55400	Remediate	0	6/7/1971	12/29/2010		12/29/2010				TRUE	TRUE	TRUE					
922	SR46001UA	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	WIPPNET\SQLMaster	SR-LA-PAD1	55400		0	12/29/2010		12/29/2010		6/23/2011			TRUE	TRUE	TRUE					
923	SR46001V	55G	EMPLACED_CNTR	5/12/2011 19:02	5/11/2011 15:47	mccabed	SR-LA-PAD1	55400	Remediate	0	6/7/1971	12/29/2010		12/29/2010				TRUE	TRUE	TRUE					
924	SR46001VA	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	WIPPNET\SQLMaster	SR-LA-PAD1	55400		0	12/29/2010		12/29/2010		6/23/2011			TRUE	TRUE	TRUE					
925	SR46001W	55G	EMPLACED_CNTR	5/12/2011 19:02	4/28/2011 6:00	WWIS_Updt	SR-LA-PAD1	55400	Remediate	0	6/7/1971	12/14/2010		12/14/2010				TRUE	TRUE	TRUE					
926	SR46001WA	55G	EMPLACED_CNTR	4/14/2012 14:54	4/19/2012 17:26	mccabed	SR-LA-PAD1	55400	Remediation		12/14/2010	2/1/2012	12/14/2010	2/1/2012		SWD10408 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR46001W		Repack
927	SR46001X	55G	PRESUB_CERT		3/15/2012 10:08	mccabed	SR-LA-PAD1	55400	Vent		6/7/1971	4/18/2011		4/18/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
928	SR46001Y	55G	EMPLACED_CNTR	2/18/2012 8:55	11/17/2011 16:52	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	11/12/2011	6/7/1971	11/12/2011				TRUE	TRUE	TRUE					
929	SR46001Z	55G	EMPLACED_CNTR	8/4/2011 0:28	6/28/2011 18:12	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/18/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
930	SR46002E	55G	EMPLACED_CNTR	8/6/2011 15:14	5/11/2011 15:49	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/4/2011		4/4/2011			- Rpkgd into SR46002EA	TRUE	TRUE	TRUE					
931	SR46002EA	55G	EMPLACED_CNTR	7/17/2011 9:49	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400			6/7/1971	4/4/2011		4/4/2011			- Rpkgd Was SR46002E	TRUE	TRUE	TRUE			SR46002E		Daughter
932	SR46002F	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 15:50	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	3/17/2011	6/7/1971	3/17/2011				TRUE	TRUE	TRUE					
933	SR46002G	55G	EMPLACED_CNTR	8/6/2011 15:14	5/11/2011 15:50	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	3/24/2011		3/24/2011			- Rpkgd into SR46002GA	TRUE	TRUE	TRUE					
934	SR46002GA	55G	EMPLACED_CNTR	8/7/2011 14:32	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400			6/7/1971	3/24/2011		3/24/2011			- Rpkgd Was SR46002G	TRUE	TRUE	TRUE			SR46002G		Daughter
935	SR46002H	55G	EMPLACED_CNTR	11/15/2012 12:50	9/26/2011 9:16	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	9/19/2011		9/19/2011			- Rpkgd into SR46002HA	TRUE	TRUE	TRUE					
936	SR46002HA	55G	EMPLACED_CNTR	2/24/2012 14:53	9/26/2011 9:16	mccabed	SR-LA-PAD1	55400	None	0	9/19/2011		9/19/2011				- Rpkgd was SR46002H	TRUE	TRUE	TRUE			SR46002H		Daughter
937	SR46002I	55G	EMPLACED_CNTR	5/17/2012 13:16	3/6/2012 10:56	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	1/5/2012		1/5/2012			- Rpkgd into SR46002IA	TRUE	TRUE	TRUE					
938	SR46002IA	55G	EMPLACED_CNTR	7/8/2012 9:54	3/6/2012 10:56	mccabed	SR-LA-PAD1	55400	None	0	1/5/2012		1/5/2012				- Rpkgd was SR46002I	TRUE	TRUE	TRUE			SR46002I		Daughter
939	SR46002J	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	4/12/2011	6/7/1971	4/12/2011			- Rpkgd into SR46002JA	TRUE	TRUE	TRUE					
940	SR46002JA	55G	EMPLACED_CNTR	7/17/2011 9:49	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400			6/7/1971	4/12/2011	6/7/1971	4/12/2011			- Rpkgd Was SR46002J	TRUE	TRUE	TRUE			SR46002J		Daughter
941	SR46002K	55G	EMPLACED_CNTR	5/11/2011 21:46	5/11/2011 15:52	mccabed	SR-LA-PAD1	55400	Remediate	0	6/7/1971	1/13/2011		1/13/2011				TRUE	TRUE	TRUE					
942	SR46002L		APPROVED_CERT		3/15/2012 10:09	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971	3/8/2011		3/8/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
943	SR46002M	55G	EMPLACED_CNTR	2/18/2012 13:12	10/5/2011 13:18	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	9/26/2011	6/7/1971	9/26/2011		Changed containertype per CSoaterna email 062811	- Rpkgd into SR46002MA	TRUE	TRUE	TRUE					
944	SR46002MA	55G	EMPLACED_CNTR	3/28/2012 15:44	10/5/2011 13:18	mccabed	SR-LA-PAD1	55400	None		9/26/2011		9/26/2011				- Rpkgd was SR46002M	TRUE	TRUE	TRUE			SR46002M		Daughter
945	SR46002N	55G	EMPLACED_CNTR	8/7/2011 14:32	5/11/2011 15:53	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/7/2011		4/7/2011				TRUE	TRUE	TRUE					
946	SR46002O	55G	EMPLACED_CNTR	9/19/2011 23:09	6/28/2011 18:11	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	3/30/2011		3/30/2011		Changed containertype per CSoaterna email 062811	- Rpkgd into SR46002OA	TRUE	TRUE	TRUE					
947	SR46002OA	55G	EMPLACED_CNTR	3/28/2012 15:44	3/15/2012 10:06	mccabed	SR-LA-PAD1	55400			3/30/2011		3/30/2011				- Rpkgd Was SR46002O	TRUE	TRUE	TRUE			SR46002O		Daughter
948	SR46002P	55G	EMPLACED_CNTR	5/11/2011 21:46	5/11/2011 15:54	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/7/2011				TRUE	TRUE	TRUE					
949	SR46002Q	55G	EMPLACED_CNTR	10/24/2011 18:35	5/20/2011 14:08	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971	3/25/2011		3/25/2011			- Rpkgd into SR46002QA	TRUE	TRUE	TRUE					
950	SR46002QA	55G	EMPLACED_CNTR	10/27/2011 22:56	5/20/2011 14:08	mccabed	SR-LA-PAD1	55400			3/25/2011		3/25/2011				- Rpkgd Was SR46002Q	TRUE	TRUE	TRUE			SR46002Q		Daughter
951	SR46002R	55G	EMPLACED_CNTR	5/11/2011 21:46	5/11/2011 15:55	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/8/2011				TRUE	TRUE	TRUE					
952	SR46002S	55G	EMPLACED_CNTR	5/12/2011 19:02	5/11/2011 15:56	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/8/2011				TRUE	TRUE	TRUE					
953	SR46002T	55G	EMPLACED_CNTR	6/1/2011 22:30	5/11/2011 14:11	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/8/2011				TRUE	TRUE	TRUE					
954	SR46002U	55G	EMPLACED_CNTR	9/27/2012 10:33	10/5/2011 12:25	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	9/28/2011		9/28/2011			- Rpkgd into SR46002UA	TRUE	TRUE	TRUE					
955	SR46002UA	55G	EMPLACED_CNTR	1/4/2012 13:24	10/5/2011 12:25	mccabed	SR-LA-PAD1	55400	None	0	9/28/2011		9/28/2011				- Rpkgd was SR46002U	TRUE	TRUE	TRUE			SR46002U		Daughter
956	SR46002V	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:12	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/17/2011				TRUE	TRUE	TRUE					
957	SR46002W	55G	EMPLACED_CNTR	11/2/2011 21:40	9/13/2011 12:33	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	8/8/2011		8/8/2011				TRUE	TRUE	TRUE					
958	SR46002X	55G	EMPLACED_CNTR	10/27/2011 19:49	6/27/2011 12:51	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	6/22/2011	6/7/1971	6/22/2011			- Rpkgd into SR46002XA	TRUE	TRUE	TRUE					
959	SR46002XA	55G	EMPLACED_CNTR	11/9/2011 22:59	6/27/2011 12:51	mccabed	SR-LA-PAD1	55400	None		6/22/2011		6/22/2011				- Rpkgd was SR46002X	TRUE	TRUE	TRUE			SR46002X		Daughter
960	SR46002Y	55G	PRESUB_CERT		3/15/2012 10:10	mccabed	SR-LA-PAD1	55400	Vent		6/7/1971	3/17/2011		3/17/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
961	SR46002Z	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:13	mccabed	SR-LA-PAD1	55400	Vent		6/7/1971		6/7/1971	3/17/2011				TRUE	TRUE	TRUE					
962	SR46003D	55G	EMPLACED_CNTR	9/2/2011 9:48	5/11/2011 15:58	mccabed	SR-LA-PAD1	55400	Vent		6/7/1971		6/7/1971	3/29/2011				TRUE	TRUE	TRUE					
963	SR46003E	55G	EMPLACED_CNTR	1/4/2012 13:25	10/18/2011 17:39	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	10/12/2011		10/12/2011			- Rpkgd into SR46003EA	TRUE	TRUE	TRUE					
964	SR46003EA	55G	EMPLACED_CNTR	12/11/2011 13:12	10/18/2011 17:39	mccabed	SR-LA-PAD1	55400	None	0	10/12/2011		10/12/2011				- Rpkgd was SR46003E	TRUE	TRUE	TRUE			SR46003E		Daughter
965	SR46003F	55G	EMPLACED_CNTR	9/19/2011 23:09	5/11/2011 15:58	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/29/2011				TRUE	TRUE	TRUE					
966	SR46003G	55G	EMPLACED_CNTR	7/17/2011 9:49	5/11/2011 15:59	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/29/2011				TRUE	TRUE	TRUE					
967	SR46003H	55G	EMPLACED_CNTR	10/27/2011 18:51	5/11/2011 16:00	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	3/10/2011		3/10/2011				TRUE	TRUE	TRUE					
968	SR46003J	55G	PRESUB_CERT		3/15/2012 10:10	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971	3/29/2011		3/29/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
969	SR46003K	55G	EMPLACED_CNTR	1/7/2012 8:54	9/8/2011 17:04	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	9/7/2011		9/7/2011			- Rpkgd into SR46003KA	TRUE	TRUE	TRUE					
970	SR46003L	55G	EMPLACED_CNTR	10/6/2011 19:41	9/27/2011 16:46	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/31/2011		Changed per E-mail/Nancy Lowry 6/13/11		TRUE	TRUE	TRUE					
971	SR46003M	55G	EMPLACED_CNTR	8/25/2011 22:27	5/12/2011 12:44	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/30/2011				TRUE	TRUE	TRUE					
972	SR46003N	55G	EMPLACED_CNTR	8/17/2011 0:03	5/5/2011 11:35	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/27/2011		4/27/2011			- Rpkgd into SR46003NA	TRUE	TRUE	TRUE					
973	SR46003NA	55G	EMPLACED_CNTR	8/17/2011 0:03	5/5/2011 11:35	mccabed	SR-LA-PAD1	55400	None	0	4/27/2011		4/27/2011				- Rpkgd was SR46003N	TRUE	TRUE	TRUE			SR46003N		Repack
974	SR46003O	55G	EMPLACED_CNTR	8/17/2011 0:03	4/29/2011 16:44	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	4/25/2011	6/7/1971	4/25/2011			- Rpkgd into SR46003OA	TRUE	TRUE	TRUE					
975	SR46003OA	55G	EMPLACED_CNTR	9/24/2011 10:11	4/29/2011 16:34	mccabed	SR-LA-PAD1	55400	None		4/25/2011		4/25/2011					TRUE	TRUE	TRUE			SR46003O		Repack
976	SR46003P	55G	EMPLACED_CNTR	7/17/2011 9:49	5/12/2011 12:45	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/4/2011				TRUE	TRUE	TRUE					
977	SR46003Q	55G	EMPLACED_CNTR	8/4/2011 0:28	5/12/2011 12:45	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/1/2011				TRUE	TRUE	TRUE					
978	SR46003R	55G	PRESUB_CERT		3/15/2012 10:11	mccabed	SR-LA-PAD1	55400	Vent		6/7/1971	4/1/2011		4/1/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
979	SR46003S	55G	EMPLACED_CNTR	2/24/2012 14:53	9/26/2011 9:19	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	9/21/2011		9/21/2011			- Rpkgd into SR46003SA	TRUE	TRUE	TRUE					
980	SR46003SA	55G	EMPLACED_CNTR	11/18/2012 13:32	9/26/2011 9:19	mccabed	SR-LA-PAD1	55400	None	0	9/21/2011		9/21/2011				- Rpkgd was SR46003S	TRUE	TRUE	TRUE			SR46003S		Daughter
981	SR46003T	55G	EMPLACED_CNTR	11/9/2012 12:46	10/5/2011 13:43	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	9/27/2011		9/27/2011			- Rpkgd into SR46003TA	TRUE	TRUE	TRUE					
982	SR46003TA	55G	EMPLACED_CNTR	11/18/2012 13:32	10/5/2011 13:43	mccabed	SR-LA-PAD1	55400	None	0	9/27/2011		9/27/2011				- Rpkgd was SR46003T	TRUE	TRUE	TRUE			SR46003T		Daughter
983	SR46003U	55G	EMPLACED_CNTR	10/24/2011 18:35	5/24/2011 15:53	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	5/18/2011		5/18/2011			- Rpkgd into SR46003UA	TRUE	TRUE	TRUE					
984	SR46003UA	55G	EMPLACED_CNTR	10/24/2011 18:35	5/24/2011 15:53	mccabed	SR-LA-PAD1	55400	None	0	5/18/2011		5/18/2011				- Rpkgd was SR46003U	TRUE	TRUE	TRUE			SR46003U		Daughter
985	SR46003V	55G	EMPLACED_CNTR	8/25/2011 22:27	5/12/2011 12:46	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/6/2011				TRUE	TRUE	TRUE					
986	SR46003W	55G	EMPLACED_CNTR	8/28/2011 9:19	5/5/2011 11:51	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/28/2011		4/28/2011			- Rpkgd into SR46003WA	TRUE	TRUE	TRUE					
987	SR46003WA	55G	EMPLACED_CNTR	11/9/2011 22:59	5/5/2011 11:51	mccabed	SR-LA-PAD1	55400	None	0	4/28/2011		4/28/2011				- Rpkgd was SR46003W	TRUE	TRUE	TRUE			SR46003W		Repack
988	SR46003X	55G	EMPLACED_CNTR	7/17/2011 9:49	5/12/2011 12:47	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/5/2011				TRUE	TRUE	TRUE					
989	SR46003Y	55G	EMPLACED_CNTR	8/10/2011 21:44	5/12/2011 12:48	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			4/5/2011				TRUE	TRUE	TRUE					
990	SR46003Z	55G	EMPLACED_CNTR	11/2/2011 21:40	8/15/2011 10:45	mccabed	SR-LA-PAD1	55400	Remediation		6/7/1971	8/9/2011	6/7/1971	8/9/2011			- Rpkgd into SR46003ZA	TRUE	TRUE	TRUE					
991	SR46003ZA	55G	EMPLACED_CNTR	11/2/2011 21:40	8/15/2011 10:44	mccabed	SR-LA-PAD1	55400	None		8/9/2011		8/9/2011				- Rpkgd was SR46003Z	TRUE	TRUE	TRUE			SR46003Z		Daughter
992	SR46004C	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:15	mccabed	SR-LA-PAD1	55400	Vent	0	6/7/1971			3/22/2011				TRUE	TRUE	TRUE					
993	SR46004D	55G	EMPLACED_CNTR	9/24/2011 10:11	4/29/2011 16:38	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/20/2011		4/20/2011			- Rpkgd into SR46004DA	TRUE	TRUE	TRUE					
994	SR46004DA	55G	EMPLACED_CNTR	9/19/2011 23:09	4/29/2011 16:38	mccabed	SR-LA-PAD1	55400	None	0	4/20/2011		4/20/2011					TRUE	TRUE	TRUE			SR46004D		Repack
995	SR46004E	55G	EMPLACED_CNTR	8/6/2011 15:14	5/12/2011 18:46	mccabed	SR-LA-PAD1	55400		0	6/7/1971			3/23/2011				TRUE	TRUE	TRUE					
996	SR46004F	55G	EMPLACED_CNTR	8/4/2011 0:28	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	4/20/2011		4/20/2011			- Rpkgd into SR46004FA	TRUE	TRUE	TRUE					
997	SR46004FA	55G	EMPLACED_CNTR	9/24/2011 10:11	4/28/2011 6:00	mccabed	SR-LA-PAD1	55400			6/7/1971	4/20/2011		4/20/2011			- Rpkgd Was SR46004F	TRUE	TRUE	TRUE			SR46004F		Repack
998	SR46004G	55G	EMPLACED_CNTR	1/7/2012 8:54	10/18/2011 17:37	mccabed	SR-LA-PAD1	55400	Remediation	0	6/7/1971	10/12/2011		10/12/2011				TRUE	TRUE	TRUE					
999	SR46004GA	55G	EMPLACED_CNTR	7/17/2012 13:52	5/11/2012 8:52	mccabed	SR-LA-PAD1	55400			4/17/2012		4/17/2012				- Rpkgd was SR46004GB	TRUE	FALSE	TRUE	NA		SR46004GB		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1000	SR46004GB	55G	EMPLACED_CNTR	9/27/2012 10:33	5/14/2012 9:04	mccabed	SR-LA-PAD1	S5400			10/13/2011	4/17/2012	10/13/2011	4/17/2012			Daughter of SR46004G which is already EMPLACED- Rpkgd into SR46004GA	TRUE	FALSE	TRUE	NA				
1001	SR46004H	55G	EMPLACED_CNTR	8/15/2011 23:35	4/29/2011 16:40	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/21/2011		4/21/2011			- Rpkgd into SR46004HA	TRUE	TRUE	TRUE					
1002	SR46004HA	55G	EMPLACED_CNTR	8/10/2011 21:44	4/29/2011 16:40	mccabed	SR-LA-PAD1	S5400	None	0	4/21/2011		4/21/2011					TRUE	TRUE	TRUE			SR46004H		Repack
1003	SR46004I	55G	EMPLACED_CNTR	6/28/2012 10:22	3/15/2012 10:01	mccabed	SR-LA-PAD1	S5400		0	6/7/1971	3/23/2011		3/23/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1004	SR46004J	55G	EMPLACED_CNTR	7/6/2012 9:54	3/15/2012 10:02	mccabed	SR-LA-PAD1	S5400		0	6/7/1971	3/24/2011		3/24/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1005	SR46004K	55G	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/18/2011		4/18/2011			- Rpkgd into SR46004KA	TRUE	TRUE	TRUE					
1006	SR46004KA	55G	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/18/2011		4/18/2011			- Rpkgd Was SR46004K	TRUE	TRUE	TRUE			SR46004K		Daughter
1007	SR46004L	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:16	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/24/2011				TRUE	TRUE	TRUE					
1008	SR46004M	55G	EMPLACED_CNTR	8/28/2011 9:19	4/29/2011 16:45	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/25/2011		4/25/2011			- Rpkgd into SR46004MA	TRUE	TRUE	TRUE					
1009	SR46004MA	55G	EMPLACED_CNTR	8/10/2011 21:44	4/29/2011 16:36	mccabed	SR-LA-PAD1	S5400	None	0	4/25/2011		4/25/2011					TRUE	TRUE	TRUE			SR46004M		Repack
1010	SR46004N	55G	EMPLACED_CNTR	6/1/2011 22:30	5/11/2011 14:17	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/21/2011				TRUE	TRUE	TRUE					
1011	SR46004O	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:17	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/21/2011				TRUE	TRUE	TRUE					
1012	SR46004P	55G	EMPLACED_CNTR	9/19/2011 23:09	6/28/2011 18:11	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/19/2011		4/19/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1013	SR46004Q	55G	EMPLACED_CNTR	9/21/2012 13:58	10/5/2011 13:40	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	9/28/2011		9/28/2011			- Rpkgd into SR46004QA	TRUE	TRUE	TRUE					
1014	SR46004QA	55G	EMPLACED_CNTR	9/21/2012 13:58	10/5/2011 13:40	mccabed	SR-LA-PAD1	S5400	None	0	9/28/2011		9/28/2011				- Rpkgd was SR46004Q	TRUE	TRUE	TRUE			SR46004Q		Daughter
1015	SR46004R	55G	EMPLACED_CNTR	8/4/2011 22:55	5/12/2011 18:47	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/6/2011		4/6/2011				TRUE	TRUE	TRUE					
1016	SR46004S	55G	EMPLACED_CNTR	8/17/2011 0:03	5/24/2011 15:55	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	5/18/2011		5/18/2011			- Rpkgd into SR46004SA	TRUE	TRUE	TRUE					
1017	SR46004SA	55G	EMPLACED_CNTR	9/19/2011 23:09	5/24/2011 15:55	mccabed	SR-LA-PAD1	S5400	None	0	5/18/2011		5/18/2011				- Rpkgd was SR46004S	TRUE	TRUE	TRUE			SR46004S		Daughter
1018	SR46004T	55G	EMPLACED_CNTR	10/23/2011 14:30	5/5/2011 11:37	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/27/2011		4/27/2011			- Rpkgd into SR46004TA	TRUE	TRUE	TRUE					
1019	SR46004TA	55G	EMPLACED_CNTR	11/9/2011 22:59	5/5/2011 11:37	mccabed	SR-LA-PAD1	S5400	None	0	4/27/2011		4/27/2011				- Rpkgd was SR46004T	TRUE	TRUE	TRUE			SR46004T		Repack
1020	SR46004U	55G	EMPLACED_CNTR	11/15/2012 14:47	10/5/2011 13:09	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	9/29/2011		9/29/2011			- Rpkgd into SR46004UA	TRUE	TRUE	TRUE					
1021	SR46004UA	55G	EMPLACED_CNTR	2/17/2013 15:57	10/5/2011 13:09	mccabed	SR-LA-PAD1	S5400	None	0	9/29/2011		9/29/2011				- Rpkgd was SR46004U	TRUE	TRUE	TRUE			SR46004U		Daughter
1022	SR46004V	55G	EMPLACED_CNTR	10/6/2011 18:41	5/12/2011 18:47	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/31/2011				TRUE	TRUE	TRUE					
1023	SR46004W	55G	EMPLACED_CNTR	8/10/2011 21:44	4/29/2011 16:43	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/25/2011		4/25/2011			- Rpkgd into SR46004WA	TRUE	TRUE	TRUE					
1024	SR46004WA	55G	EMPLACED_CNTR	8/17/2011 0:03	4/29/2011 16:44	mccabed	SR-LA-PAD1	S5400	None	0	4/25/2011		4/25/2011					TRUE	TRUE	TRUE					
1025	SR46004X	55G	EMPLACED_CNTR	8/9/2011 0:40	5/12/2011 18:48	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			4/1/2011				TRUE	TRUE	TRUE					
1026	SR46004Y	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 18:48	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			4/4/2011				TRUE	TRUE	TRUE					
1027	SR46004Z	55G	EMPLACED_CNTR	5/17/2012 13:16	3/15/2012 10:12	mccabed	SR-LA-PAD1	S5400	Remediation		6/7/1971	12/12/2011		12/12/2011			- Rpkgd into SR46004ZA	TRUE	TRUE	TRUE					
1028	SR46004ZA	55G	EMPLACED_CNTR	2/18/2012 9:39	9/26/2011 9:17	mccabed	SR-LA-PAD1	S5400	None		9/15/2011		9/15/2011				- Rpkgd was SR46004Z	TRUE	TRUE	TRUE			SR46004Z		Daughter
1029	SR46005O	55G	EMPLACED_CNTR	11/9/2012 12:46	3/15/2012 10:13	mccabed	SR-LA-PAD1	S5400	Vent		6/7/1971	3/14/2011		3/14/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1030	SR46005E	55G	EMPLACED_CNTR	5/11/2011 21:46	5/12/2011 18:50	mccabed	SR-LA-PAD1	S5400	Vent		6/7/1971		6/7/1971	3/14/2011				TRUE	TRUE	TRUE					
1031	SR46005F	55G	EMPLACED_CNTR	5/11/2011 21:46	5/12/2011 18:50	mccabed	SR-LA-PAD1	S5400	Vent		6/7/1971		6/7/1971	3/14/2011				TRUE	TRUE	TRUE					
1032	SR46005G	55G	EMPLACED_CNTR	7/6/2012 9:54	5/12/2011 18:51	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/4/2011		4/4/2011			- Rpkgd into SR46005GA	TRUE	TRUE	TRUE					
1033	SR46005GA	55G	EMPLACED_CNTR	7/17/2011 9:49	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/4/2011		4/4/2011			- Rpkgd Was SR46005G	TRUE	TRUE	TRUE			SR46005G		Daughter
1034	SR46005H	55G	EMPLACED_CNTR	10/24/2012 9:48	3/15/2012 10:14	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971	3/15/2011		3/15/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1035	SR46005I	55G	EMPLACED_CNTR	10/23/2011 14:30	6/28/2011 18:19	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	5/25/2011		5/25/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1036	SR46005J	55G	EMPLACED_CNTR	4/26/2013 14:53	9/26/2011 9:20	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	9/21/2011		9/21/2011			- Rpkgd into SR46005JA	TRUE	TRUE	TRUE					
1037	SR46005JA	55G	EMPLACED_CNTR	1/4/2012 13:42	9/26/2011 9:20	mccabed	SR-LA-PAD1	S5400	None	0	9/21/2011		9/21/2011				- Rpkgd was SR46005J	TRUE	TRUE	TRUE			SR46005I		Daughter
1038	SR46005K	55G	EMPLACED_CNTR	1/4/2012 13:25	10/18/2011 17:40	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	10/12/2011		10/12/2011			- Rpkgd into SR46005KA	TRUE	TRUE	TRUE					
1039	SR46005KA	55G	EMPLACED_CNTR	12/21/2011 13:12	10/18/2011 17:40	mccabed	SR-LA-PAD1	S5400	None	0	10/12/2011		10/12/2011				- Rpkgd was SR46005K	TRUE	TRUE	TRUE			SR46005K		Daughter
1040	SR46005L	55G	EMPLACED_CNTR	7/31/2011 12:16	5/12/2011 18:52	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/15/2011				TRUE	TRUE	TRUE					
1041	SR46005M	55G	EMPLACED_CNTR	12/16/2011 9:33	9/13/2011 12:33	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	6/20/2011		6/20/2011				TRUE	TRUE	TRUE					
1042	SR46005N	55G	EMPLACED_CNTR	6/5/2012 6:02	3/19/2012 16:10	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	3/14/2012	3/15/2011	3/14/2012		Added closuredate1 per JHarrison email 031412; Drum was remediated after ventdate1 was added, therefore closuredate1 and ventdate1 have both since been updated.		TRUE	TRUE	TRUE					
1043	SR46005O	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 18:53	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/16/2011				TRUE	TRUE	TRUE					
1044	SR46005P	55G	EMPLACED_CNTR	12/11/2011 11:07	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/14/2011		4/14/2011			- Rpkgd into SR46005PA	TRUE	TRUE	TRUE					
1045	SR46005PA	55G	EMPLACED_CNTR	10/27/2011 19:49	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/14/2011		4/14/2011			- Rpkgd Was SR46005P	TRUE	TRUE	TRUE			SR46005P		Daughter
1046	SR46005Q	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 18:54	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/16/2011				TRUE	TRUE	TRUE					
1047	SR46005R	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 18:54	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/16/2011				TRUE	TRUE	TRUE					
1048	SR46005S	55G	EMPLACED_CNTR	10/6/2011 19:41	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971	4/12/2011		4/12/2011			- Rpkgd into SR46005SA	TRUE	TRUE	TRUE					
1049	SR46005SA	55G	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Vent	0	4/12/2011		4/12/2011					TRUE	TRUE	TRUE					
1050	SR46005T	55G	EMPLACED_CNTR	6/1/2011 22:30	5/11/2011 14:18	mccabed	SR-LA-PAD1	S5400	Vent	0	6/7/1971			3/16/2011				TRUE	TRUE	TRUE					
1051	SR46005U	55G	EMPLACED_CNTR	3/28/2012 15:44	12/20/2011 15:28	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	12/15/2011		12/15/2011			- Rpkgd into SR46005UA	TRUE	TRUE	TRUE					
1052	SR46005UA	55G	EMPLACED_CNTR	5/30/2012 13:43	12/20/2011 15:28	mccabed	SR-LA-PAD1	S5400	None	0	12/15/2011		12/15/2011				- Rpkgd was SR46005U	TRUE	TRUE	TRUE			SR46005U		Daughter
1053	SR46005V	55G	EMPLACED_CNTR	10/27/2011 22:56	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/13/2011		4/13/2011			- Rpkgd into SR46005VA	TRUE	TRUE	TRUE					
1054	SR46005VA	55G	EMPLACED_CNTR	10/26/2011 22:04	7/13/2011 8:42	mccabed	SR-LA-PAD1	S5400			4/13/2011		4/13/2011				- Rpkgd Was SR46005V	TRUE	TRUE	TRUE			SR46005V		Daughter
1055	SR46005W	55G	EMPLACED_CNTR	5/11/2011 21:46	4/28/2011 6:00	WWIS Upd.	SR-LA-PAD1	S5400	Remediate	0	6/7/1971	12/2/2010		12/2/2010				TRUE	TRUE	TRUE					
1056	SR46005X	55G	EMPLACED_CNTR	9/19/2011 23:09	6/28/2011 18:10	mccabed	SR-LA-PAD1	S5400	Remediation	0	6/7/1971	4/7/2011		4/7/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1057	SR46005XA	55G	EMPLACED_CNTR	8/15/2011 23:35	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/7/2011		4/7/2011			- Rpkgd Was SR46005X	TRUE	TRUE	TRUE			SR46005X		Daughter
1058	SR46005Y	55G	EMPLACED_CNTR	11/19/2012 14:06	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation		6/7/1971	4/12/2011	6/7/1971	4/12/2011			- Rpkgd into SR46005YA	TRUE	TRUE	TRUE					
1059	SR46005YA	55G	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/12/2011	6/7/1971	4/12/2011			- Rpkgd Was SR46005Y	TRUE	TRUE	TRUE			SR46005Y		Daughter
1060	SR46005Z	55G	EMPLACED_CNTR	9/24/2011 10:13	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation		6/7/1971	4/18/2011	6/7/1971	4/18/2011			- Rpkgd into SR46005ZA	TRUE	TRUE	TRUE					
1061	SR46005ZA	55G	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			6/7/1971	4/18/2011	6/7/1971	4/18/2011			- Rpkgd Was SR46005Z	TRUE	TRUE	TRUE			SR46005Z		Daughter
1062	SR66232	55G	APPROVED_CERT		3/15/2012 9:57	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/20/2011		9/20/2011		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1063	SR66233	55G	EMPLACED_CNTR	5/17/2012 13:16	3/15/2012 10:18	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	12/2/2011		12/2/2011				TRUE	TRUE	TRUE					
1064	SR66234	55G	EMPLACED_CNTR	2/24/2012 14:53	10/24/2011 19:17	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/21/2011	7/4/1972	10/21/2011			- Rpkgd into SR66234A	TRUE	TRUE	TRUE					
1065	SR66234A	55G	EMPLACED_CNTR	1/4/2012 13:42	10/24/2011 19:17	mccabed	SR-LA-PAD1	S5400	None		10/21/2011		10/21/2011				- Rpkgd was SR66234	TRUE	TRUE	TRUE			SR66234		Daughter
1066	SR66235A	55G	EMPLACED_CNTR	7/17/2012 13:59	10/24/2011 19:18	mccabed	SR-LA-PAD1	S5400	None		10/21/2011		10/21/2011				- Rpkgd was SR66235	TRUE	TRUE	TRUE			SR66235		Daughter
1067	SR66236	55G	EMPLACED_CNTR	2/18/2012 13:12	11/1/2011 13:43	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/27/2011	7/4/1972	10/27/2011			- Rpkgd into SR66236A	TRUE	TRUE	TRUE					
1068	SR66236A	55G	EMPLACED_CNTR	2/18/2012 13:12	11/1/2011 13:43	mccabed	SR-LA-PAD1	S5400	None		10/27/2011		10/27/2011				- Rpkgd was SR66236	TRUE	TRUE	TRUE			SR66236		Daughter
1069	SR66237A	55G	EMPLACED_CNTR	5/11/2012 14:42	11/8/2011 13:11	mccabed	SR-LA-PAD1	S5400	None		10/28/2011		10/28/2011				- Rpkgd was SR66237	TRUE	TRUE	TRUE			SR66237		Daughter
1070	SR66238	55G	EMPLACED_CNTR	2/17/2012 15:57	11/1/2011 13:41	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/28/2011	7/4/1972	10/28/2011			- Rpkgd into SR66238A	TRUE	TRUE	TRUE					
1071	SR66238A	55G	EMPLACED_CNTR	12/21/2011 13:12	11/1/2011 13:41	mccabed	SR-LA-PAD1	S5400	None		10/28/2011		10/28/2011				- Rpkgd was SR66238	TRUE	TRUE	TRUE			SR66238		Daughter
1072	SR66239	55G	EMPLACED_CNTR	1/4/2012 13:42	11/8/2011 13:13	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/28/2011	7/4/1972	10/28/2011			- Rpkgd into SR66239A	TRUE	TRUE	TRUE					
1073	SR66240	55G	EMPLACED_CNTR	12/21/2011 13:12	10/24/2011 19:05	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/20/2011	7/4/1972	10/20/2011			- Rpkgd into SR66240A	TRUE	TRUE	TRUE					
1074	SR66240A	55G	EMPLACED_CNTR	1/11/2012 14:24	10/24/2011 19:04	mccabed	SR-LA-PAD1	S5400	None		10/20/2011		10/20/2011				- Rpkgd was SR66240	TRUE	TRUE	TRUE			SR66240		Daughter
1075	SR66241	55G	EMPLACED_CNTR	1/11/2012 14:24	10/27/2011 15:04	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/24/2011	7/4/1972	10/24/2011			- Rpkgd into SR66241A	TRUE	TRUE	TRUE					
1076	SR66241A	55G	EMPLACED_CNTR	1/11/2012 14:24	10/27/2011 15:04	mccabed	SR-LA-PAD1	S5400	None		10/24/2011		10/24/2011				- Rpkgd was SR66241	TRUE	TRUE	TRUE			SR66241		Daughter
1077	SR66243	55G	EMPLACED_CNTR	1/16/2013 15:01	3/15/2012 10:20	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972	9/21/2011		9/21/2011		Added closuredate1 per JHarrison email 031412		TRUE	TRUE	TRUE					
1078	SR66245	55G	EMPLACED_CNTR	1/4/2012 13:42	11/3/2011 14:56	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/28/2011	7/4/1972	10/28/2011			- Rpkgd into SR66245A	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1075	SR66246	55G	EMPLACED_CNTR	7/17/2012 13:52	3/15/2012 10:20	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/22/2011		9/22/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1080	SR66247A	55G	EMPLACED_CNTR	2/18/2012 9:41	11/17/2011 16:45	mccabed	SR-LA-PAD1	S5400	None		11/14/2011		11/14/2011				- Rpkgd was SR66247	TRUE	TRUE	TRUE			SR66247		Daughter
1081	SR66248	55G	EMPLACED_CNTR	11/18/2012 13:32	3/15/2012 10:21	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/26/2011		9/26/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1082	SR66249	55G	EMPLACED_CNTR	1/11/2012 14:24	11/3/2011 14:54	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	10/28/2011	7/4/1972	10/28/2011			- Rpkgd into SR66249A	TRUE	TRUE	TRUE					
1083	SR66249A	55G	EMPLACED_CNTR	11/21/2011 13:12	11/3/2011 14:54	mccabed	SR-LA-PAD1	S5400	None		10/28/2011		10/28/2011				- Rpkgd was SR66249	TRUE	TRUE	TRUE			SR66249		Daughter
1084	SR66250	55G	APPROVED_CERT		5/1/2012 20:59	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	4/26/2012	9/22/2011	4/26/2012				TRUE	TRUE	TRUE					
1085	SR66251	55G	EMPLACED_CNTR	1/16/2013 15:01	3/15/2012 10:22	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/22/2011		9/22/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1086	SR66252	55G	EMPLACED_CNTR	1/16/2013 15:01	3/15/2012 10:23	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/26/2011		9/26/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1087	SR66253	55G	PRESUB_CERT		3/15/2012 10:24	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	11/17/2011		11/17/2011				TRUE	TRUE	TRUE					
1088	SR66254	55G	EMPLACED_CNTR	1/16/2013 15:01	3/15/2012 10:24	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	9/26/2011		9/26/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1089	SR66255	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 13:13	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/28/2011				TRUE	TRUE	TRUE					
1090	SR66256	55G	EMPLACED_CNTR	5/10/2011 21:18	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	12/2/2010		12/2/2010				TRUE	TRUE	TRUE					
1091	SR66257	55G	EMPLACED_CNTR	6/5/2012 6:02	4/3/2012 17:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/26/2011	3/21/2012	7/26/2011	3/21/2012			- Rpkgd into SR66257A	TRUE	TRUE	TRUE					
1092	SR66257A	55G	EMPLACED_CNTR	11/3/2011 23:21	8/1/2011 18:03	mccabed	SR-LA-PAD1	S5400	None	0	7/26/2011		7/26/2011				- Rpkgd was SR66257	TRUE	TRUE	TRUE			SR66257		Daughter
1093	SR66258	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 12:27	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/5/2011		4/5/2011				TRUE	TRUE	TRUE					
1094	SR66260	55G	EMPLACED_CNTR	5/11/2011 21:46	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	12/1/2010		12/1/2010				TRUE	TRUE	TRUE					
1095	SR66261A	55G	EMPLACED_CNTR	7/17/2012 13:52	4/24/2012 20:53	mccabed	SR-LA-PAD1	S5400	Remediation		3/17/2011	4/18/2012	3/17/2011	4/18/2012		SWD11115 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR66261		Repack
1096	SR66262	55G	EMPLACED_CNTR	12/21/2011 13:12	10/18/2011 17:36	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/11/2011		10/11/2011				TRUE	TRUE	TRUE					
1097	SR66263	55G	EMPLACED_CNTR	10/23/2011 14:30	5/2/2011 16:50	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/27/2011		4/27/2011			- Rpkgd into SR66263A	TRUE	TRUE	TRUE					
1098	SR66263A	55G	EMPLACED_CNTR	10/24/2011 18:35	5/2/2011 16:50	mccabed	SR-LA-PAD1	S5400	None	0	4/27/2011		4/27/2011				- Rpkgd was SR66263	TRUE	TRUE	TRUE			SR66263		Repack
1099	SR66263B	55G	EMPLACED_CNTR	6/28/2012 10:22	4/20/2012 14:52	mccabed	SR-LA-PAD1	S5400			4/27/2011		4/27/2011			SWD11154 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA				
1100	SR66264	55G	EMPLACED_CNTR	4/27/2012 15:14	10/11/2011 15:17	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/6/2011		10/6/2011				TRUE	TRUE	TRUE					
1101	SR66265	55G	EMPLACED_CNTR	10/27/2011 19:49	5/12/2011 12:27	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/28/2011		3/28/2011				TRUE	TRUE	TRUE					
1102	SR66266	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 14:04	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/25/2011			PCB Article	TRUE	TRUE	TRUE	Yes	5/26/2010			
1103	SR66267	55G	EMPLACED_CNTR	7/17/2011 15:30	6/28/2011 18:14	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/21/2011		3/21/2011			Changed containertype per CSoaterna email 062811	TRUE	TRUE	TRUE					
1104	SR66268	55G	EMPLACED_CNTR	11/18/2012 13:32	10/18/2011 17:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/14/2011		10/14/2011				TRUE	TRUE	TRUE					
1105	SR66269	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 14:04	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			3/1/2011				TRUE	TRUE	TRUE					
1106	SR66270	55G	EMPLACED_CNTR	6/11/2012 14:42	3/6/2012 9:58	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	1/12/2012	4/11/2011	1/12/2012		Changed containertype per CSoaterna email 062811	- Rpkgd into SR66270A	TRUE	TRUE	TRUE					
1107	SR66270A	55G	EMPLACED_CNTR	10/14/2012 10:29	3/6/2012 9:58	mccabed	SR-LA-PAD1	S5400	None	0	1/12/2012		1/12/2012				- Rpkgd was SR66270	TRUE	TRUE	TRUE			SR66270		Daughter
1108	SR66271	55G	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	12/1/2010		12/1/2010				TRUE	TRUE	TRUE					
1109	SR66272	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 14:05	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/25/2011				TRUE	TRUE	TRUE					
1110	SR66273	55G	EMPLACED_CNTR	11/14/2012 14:36	4/24/2012 20:54	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/18/2012		4/18/2012		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1111	SR66274	55G	EMPLACED_CNTR	9/19/2011 23:09	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	11/22/2010		11/22/2010				TRUE	TRUE	TRUE					
1112	SR66274A	55G	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	WIPPNET\SQLMaster	SR-LA-PAD1	S5400		0	11/22/2010		11/22/2010		5/17/2011			TRUE	TRUE	TRUE					
1113	SR66275	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:06	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			3/1/2011				TRUE	TRUE	TRUE					
1114	SR66276	55G	EMPLACED_CNTR	5/10/2011 21:16	5/12/2011 12:27	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			7/13/2010				TRUE	TRUE	TRUE					
1115	SR66277	55G	EMPLACED_CNTR	11/16/2011 11:01	9/14/2011 14:59	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/10/2011		9/10/2011			- Rpkgd into SR66277A	TRUE	TRUE	TRUE					
1116	SR66277A	55G	EMPLACED_CNTR	11/16/2011 11:01	9/14/2011 14:08	mccabed	SR-LA-PAD1	S5400	None	0	9/10/2011		9/10/2011				- Rpkgd was SR66277	TRUE	TRUE	TRUE			SR66277		Daughter
1117	SR66278	55G	EMPLACED_CNTR	2/18/2012 9:00	1/13/2012 13:32	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/24/2011		10/24/2011		Per JLunsford email of 2215 procedure 110111.		TRUE	TRUE	TRUE					
1118	SR66279	55G	EMPLACED_CNTR	11/9/2011 22:35	8/23/2011 10:44	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	8/18/2011		8/18/2011				TRUE	TRUE	TRUE					
1119	SR66279A	55G	EMPLACED_CNTR	10/14/2012 10:30	5/13/2012 16:47	mccabed	SR-LA-PAD1	S5400			8/22/2011	4/17/2012	8/22/2011	4/17/2012		221-F-55006	Parent is SR66279 (EMPLACED)	TRUE	FALSE	TRUE	NA				
1120	SR66280	55G	EMPLACED_CNTR	5/26/2011 18:44	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	11/30/2010		11/30/2010				TRUE	TRUE	TRUE					
1121	SR66281	55G	EMPLACED_CNTR	11/16/2011 11:01	8/22/2011 15:37	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	8/16/2011		8/16/2011				TRUE	TRUE	TRUE					
1122	SR66283	55G	EMPLACED_CNTR	11/9/2011 22:59	10/6/2011 10:17	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	8/23/2011		8/23/2011				TRUE	TRUE	TRUE					
1123	SR66284	55G	EMPLACED_CNTR	8/15/2011 23:35	6/28/2011 18:15	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/18/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1124	SR66285	55G	EMPLACED_CNTR	11/15/2012 12:47	4/26/2012 16:21	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/18/2012	5/18/2011	4/18/2012		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1125	SR66286	55G	EMPLACED_CNTR	5/11/2011 21:49	5/12/2011 12:28	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/16/2011				TRUE	TRUE	TRUE					
1126	SR66287	55G	EMPLACED_CNTR	11/19/2011 14:06	9/13/2011 12:34	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	7/21/2011		7/21/2011				TRUE	TRUE	TRUE					
1127	SR66288	55G	EMPLACED_CNTR	9/2/2011 9:49	6/28/2011 18:18	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/18/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1128	SR66289	55G	EMPLACED_CNTR	1/10/2012 12:54	8/23/2011 16:26	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/18/2011		PCB designation removed per J.Price E-mail 5/25/2011; Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE	NA				
1129	SR66290	55G	EMPLACED_CNTR	9/2/2011 9:49	6/28/2011 18:19	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/18/2011		Changed containertype per CSoaterna email 062811		TRUE	TRUE	TRUE					
1130	SR66291	55G	EMPLACED_CNTR	8/7/2011 14:32	5/12/2011 12:28	mccabed	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	2/4/2011		2/4/2011				TRUE	TRUE	TRUE					
1131	SR66292	55G	EMPLACED_CNTR	5/11/2011 21:49	4/28/2011 6:00	WWS_Upd	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	1/31/2011		1/31/2011				TRUE	TRUE	TRUE					
1132	SR66293	55G	EMPLACED_CNTR	2/18/2012 9:38	11/15/2011 11:08	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	11/2/2011		11/2/2011			- Rpkgd into SR66293A	TRUE	TRUE	TRUE					
1133	SR66293A	55G	EMPLACED_CNTR	11/15/2012 12:47	11/15/2011 11:08	mccabed	SR-LA-PAD1	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SR66293	TRUE	TRUE	TRUE			SR66293		Daughter
1134	SR66294	55G	EMPLACED_CNTR	12/16/2011 9:33	9/14/2011 15:09	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/7/2011		9/7/2011			- Rpkgd into SR66294A	TRUE	TRUE	TRUE					
1135	SR66294A	55G	EMPLACED_CNTR	11/9/2011 22:59	9/14/2011 15:09	mccabed	SR-LA-PAD1	S5400	None	0	9/7/2011		9/7/2011				- Rpkgd was SR66294	TRUE	TRUE	TRUE			SR66294		Daughter
1136	SR66295	55G	APPROVED_CERT		11/13/2012 15:47	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	8/13/2012	1/12/2012	8/13/2012		Exclude per BSchrock email 043012: 221-F-55006 Tru Drum Repackaging; Added back per LWatson email 111312.	- Rpkgd into SR66295A - Rpkgd into SR66295B - Rpkgd into SR66295C - Rpkgd into SR66295D	TRUE	TRUE	TRUE					
1137	SR66295A	55G	APPROVED_CERT		10/9/2012 23:01	mccabed	SR-LA-PAD1	S5400	None	0	1/11/2012	8/14/2012	1/11/2012	8/14/2012		Exclude per BSchrock email 043012: 221-F-55006 Tru Drum Repackaging; Unexcluded per LWatson email 100912.	- Rpkgd was SR66295 - Rpkgd into SR66295E	TRUE	TRUE	TRUE					
1138	SR66295B	55G	EMPLACED_CNTR	11/4/2012 13:37	1/18/2012 18:20	mccabed	SR-LA-PAD1	S5400	None	0	1/11/2012		1/11/2012				- Rpkgd was SR66295	TRUE	TRUE	TRUE			SR66295		Daughter
1139	SR66295C	55G	EMPLACED_CNTR	6/28/2012 10:22	5/11/2012 12:46	mccabed	SR-LA-PAD1	S5400	None	0	1/12/2012		1/12/2012				- Rpkgd was SR66295	TRUE	TRUE	TRUE			SR66295		Daughter
1140	SR66295D	55G	APPROVED_CERT		3/11/2013 12:54	mccabed	SR-LA-PAD1	S5400	None	0	8/13/2012		8/13/2012	8/13/2012		Parent Excluded per BSchrock email 043012; Un-exclude per LWatson 031113.	- Rpkgd was SR66295	TRUE	TRUE	TRUE			SR66295		Daughter
1141	SR66295E	55G	APPROVED_CERT		1/25/2013 15:13	mccabed	SR-LA-PAD1	S5400	None	0	8/14/2012		8/14/2012			Parent Excluded per BSchrock email 043012; Un-excluded per LWatson email 012413.	- Rpkgd was SR66295 - Rpkgd was SR66295A	TRUE	TRUE	TRUE			SR66295A	SR66295	Daughter
1142	SR66296	55G	EMPLACED_CNTR	10/27/2011 18:51	5/25/2011 17:50	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/24/2011				TRUE	TRUE	TRUE					
1143	SR66297	55G	EMPLACED_CNTR	2/18/2012 9:00	10/24/2011 10:44	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/18/2011		10/18/2011				TRUE	TRUE	TRUE					
1144	SR66297B	55G	EMPLACED_CNTR	7/10/2012 14:33	5/14/2012 9:49	mccabed	SR-LA-PAD1	S5400			10/19/2011		10/19/2011			Added per CChancelor email 051112.	Parent is SR66297 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
1145	SR66298	55G	EMPLACED_CNTR	11/3/2011 23:21	9/13/2011 12:34	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	8/9/2011		8/9/2011				TRUE	TRUE	TRUE					
1146	SR66299	55G	EMPLACED_CNTR	10/27/2011 18:51	5/25/2011 17:47	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			5/24/2011				TRUE	TRUE	TRUE					
1147	SR66300	55G	EMPLACED_CNTR	7/31/2011 12:16	5/12/2011 12:29	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			3/2/2011				TRUE	TRUE	TRUE					
1148	SR70301	55G	EMPLACED_CNTR	11/9/2011 22:35	8/23/2011 11:02	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	8/18/2011	7/4/1972	8/18/2011			- Rpkgd into SR70301A	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1149	SR70301A	55G	EMPLACED_CNTR	11/7/2011 23:05	8/23/2011 11:02	mccabed	SR-LA-PAD1	S5400	Remediation		8/18/2011		8/18/2011				- Rpkgd was SR70301	TRUE	TRUE	TRUE					
1150	SR70301B	55G	EMPLACED_CNTR	8/1/2012 11:15	5/14/2012 9:52	mccabed	SR-LA-PAD1	S5400			8/22/2011		8/22/2011				Parent is SR70301 which is already EMPLACED	TRUE	FALSE	TRUE	NA				
1151	SR70302	55G	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	4/12/2011	7/4/1972	4/12/2011			- Rpkgd into SR70302A	TRUE	TRUE	TRUE					
1152	SR70302A	55G	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	4/12/2011	7/4/1972	4/12/2011			- Rpkgd Was SR70302	TRUE	TRUE	TRUE			SR70302		Daughter
1153	SR70303	55G	EMPLACED_CNTR	7/31/2011 12:16	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation		7/4/1972	4/14/2011	7/4/1972	4/14/2011			- Rpkgd into SR70303A	TRUE	TRUE	TRUE					
1154	SR70303A	55G	EMPLACED_CNTR	7/31/2011 12:16	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	4/14/2011	7/4/1972	4/14/2011			- Rpkgd Was SR70303	TRUE	TRUE	TRUE			SR70303		Daughter
1155	SR70304A	55G	EMPLACED_CNTR	2/24/2012 14:53	9/26/2011 9:07	mccabed	SR-LA-PAD1	S5400	None		9/19/2011		9/19/2011				- Rpkgd was SR70304	TRUE	TRUE	TRUE			SR70304		Daughter
1156	SR70304B	55G			5/14/2012 8:57	mccabed	SR-LA-PAD1	S5400			10/18/2011		10/18/2011				Daughter of SR70304 which is now inactive due to overpack into SRSB01209 on 2/10/12.	TRUE	FALSE	TRUE	NA				
1157	SR70305	55G	PRESUB_CERT		3/15/2012 10:27	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972	2/22/2011		2/22/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1158	SR70351	55G	EMPLACED_CNTR	8/6/2011 15:14	5/12/2011 12:30	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/5/2011		4/5/2011			- Rpkgd into SR70351A	TRUE	TRUE	TRUE					
1159	SR70351A	55G	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	4/5/2011		4/5/2011			- Rpkgd Was SR70351	TRUE	TRUE	TRUE			SR70351		Daughter
1160	SR70352	55G	EMPLACED_CNTR	5/11/2011 21:50	5/12/2011 12:30	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			3/2/2011				TRUE	TRUE	TRUE					
1161	SR70353	55G	EMPLACED_CNTR	12/30/2011 14:04	10/18/2011 16:51	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/12/2011		10/12/2011			- Rpkgd into SR70353A	TRUE	TRUE	TRUE					
1162	SR70353A	55G	EMPLACED_CNTR	12/11/2011 10:13	10/18/2011 16:51	mccabed	SR-LA-PAD1	S5400	None	0	10/12/2011		10/12/2011				- Rpkgd was SR70353	TRUE	TRUE	TRUE			SR70353		Daughter
1163	SR70355	55G	EMPLACED_CNTR	5/11/2011 21:50	5/12/2011 12:31	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			3/9/2011				TRUE	TRUE	TRUE					
1164	SR70356	55G	EMPLACED_CNTR	12/11/2011 13:26	10/18/2011 16:46	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/12/2011		10/12/2011			- Rpkgd into SR70356A	TRUE	TRUE	TRUE					
1165	SR70356A	55G	EMPLACED_CNTR	12/30/2011 14:04	10/18/2011 16:46	mccabed	SR-LA-PAD1	S5400	None	0	10/12/2011		10/12/2011				- Rpkgd was SR70356	TRUE	TRUE	TRUE			SR70356		Daughter
1166	SR70357	55G	EMPLACED_CNTR	6/28/2012 10:22	3/15/2012 10:28	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972	3/9/2011		3/9/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1167	SR70358	55G	EMPLACED_CNTR	7/31/2011 12:16	5/11/2011 14:19	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			3/9/2011				TRUE	TRUE	TRUE					
1168	SR70359	55G	EMPLACED_CNTR	12/11/2011 11:07	10/18/2011 16:49	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	10/11/2011		10/11/2011			- Rpkgd into SR70359A	TRUE	TRUE	TRUE					
1169	SR70359A	55G	EMPLACED_CNTR	12/11/2011 13:26	10/18/2011 16:49	mccabed	SR-LA-PAD1	S5400	None	0	10/11/2011		10/11/2011				- Rpkgd was SR70359	TRUE	TRUE	TRUE			SR70359		Daughter
1170	SR70360	55G	EMPLACED_CNTR	5/11/2011 21:46	5/12/2011 12:32	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/7/2011		3/7/2011				TRUE	TRUE	TRUE					
1171	SR70361	55G	EMPLACED_CNTR	9/1/2011 9:49	4/29/2011 16:42	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/26/2011		4/26/2011			- Rpkgd into SR70361A	TRUE	TRUE	TRUE					
1172	SR70361A	55G	EMPLACED_CNTR	9/19/2011 23:09	4/29/2011 16:43	mccabed	SR-LA-PAD1	S5400	None	0	4/26/2011		4/26/2011					TRUE	TRUE	TRUE					
1173	SR70362	55G	EMPLACED_CNTR	12/16/2011 9:33	9/14/2011 15:10	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/7/2011		9/7/2011			- Rpkgd into SR70362A	TRUE	TRUE	TRUE					
1174	SR70362A	55G	EMPLACED_CNTR	11/9/2011 22:59	9/14/2011 15:10	mccabed	SR-LA-PAD1	S5400	None	0	9/7/2011		9/7/2011				- Rpkgd was SR70362	TRUE	TRUE	TRUE			SR70362		Daughter
1175	SR70363	55G	EMPLACED_CNTR	6/5/2012 6:02	3/15/2012 10:29	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972	3/28/2011		3/28/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1176	SR70365	55G	EMPLACED_CNTR	12/16/2011 9:33	9/1/2011 10:37	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	5/26/2011		5/26/2011			- Rpkgd into SR70365A	TRUE	TRUE	TRUE					
1177	SR70365A	55G	EMPLACED_CNTR	10/27/2011 19:49	9/1/2011 10:37	mccabed	SR-LA-PAD1	S5400	None	0	5/26/2011		5/26/2011				- Rpkgd was SR70365	TRUE	TRUE	TRUE			SR70365		Daughter
1178	SR70366	55G	APPROVED_CERT		3/15/2012 9:59	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972	4/5/2011		4/5/2011		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1179	SR70367A	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	WWPRETLSQLMaster	SR-LA-PAD1	S5400		0	1/15/2011		1/15/2011		7/10/2011			TRUE	TRUE	TRUE					
1180	SR70368	55G	EMPLACED_CNTR	11/7/2011 23:05	6/1/2011 10:29	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	5/26/2011		5/26/2011			- Rpkgd into SR70368A	TRUE	TRUE	TRUE					
1181	SR70368A	55G	EMPLACED_CNTR	10/26/2011 22:04	6/1/2011 10:29	mccabed	SR-LA-PAD1	S5400	None	0	5/26/2011		5/26/2011				- Rpkgd was SR70368	TRUE	TRUE	TRUE			SR70368		Daughter
1182	SR70369	55G	EMPLACED_CNTR	7/31/2011 12:16	5/12/2011 12:35	mccabed	SR-LA-PAD1	S5400	Vent	0	7/4/1972			4/5/2011				TRUE	TRUE	TRUE					
1183	SR70370	55G	EMPLACED_CNTR	8/4/2011 0:28	5/5/2011 11:48	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	4/27/2011		4/27/2011			- Rpkgd into SR70370A	TRUE	TRUE	TRUE					
1184	SR70370A	55G	EMPLACED_CNTR	11/9/2011 22:59	5/5/2011 11:48	mccabed	SR-LA-PAD1	S5400	None	0	4/27/2011		4/27/2011				- Rpkgd was SR70370	TRUE	TRUE	TRUE			SR70370		Repack
1185	SR70371	55G	EMPLACED_CNTR	11/9/2011 22:59	9/14/2011 15:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/9/2011		9/9/2011			- Rpkgd into SR70371A - Rpkgd into SR70371B - Rpkgd into SR70371C	TRUE	TRUE	TRUE					
1186	SR70371B	55G	EMPLACED_CNTR	12/7/2012 13:31	9/14/2011 14:17	mccabed	SR-LA-PAD1	S5400	None	0	9/9/2011		9/9/2011				- Rpkgd was SR70371	TRUE	TRUE	TRUE			SR70371		Daughter
1187	SR70371C	55G	EMPLACED_CNTR	11/14/2012 14:36	9/14/2011 14:17	mccabed	SR-LA-PAD1	S5400	None	0	9/9/2011		9/9/2011				- Rpkgd was SR70371	TRUE	TRUE	TRUE			SR70371		Daughter
1188	SR70371D	55G	EMPLACED_CNTR	10/14/2012 10:30	5/14/2012 8:57	mccabed	SR-LA-PAD1	S5400			9/19/2011		9/19/2011				Daughter of SR70371 which is now EMPLACED.	TRUE	FALSE	TRUE	NA				
1189	SR70372	55G	EMPLACED_CNTR	5/10/2011 21:16	5/12/2011 12:35	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			7/21/2010				TRUE	TRUE	TRUE					
1190	SR70374	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:20	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/15/2011		3/15/2011			- Rpkgd into SR70374A	TRUE	TRUE	TRUE					
1191	SR70374A	55G	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/15/2011		3/15/2011			- Rpkgd Was SR70374	TRUE	TRUE	TRUE			SR70374		Daughter
1192	SR70375	55G	APPROVED_CERT		3/15/2012 10:02	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/15/2011		2/15/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1193	SR70376	55G	EMPLACED_CNTR	6/1/2011 22:30	5/11/2011 14:21	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/11/2011		3/11/2011			Rpkgd into SR70376A	TRUE	TRUE	TRUE					
1194	SR70376A	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/11/2011		3/11/2011			- Rpkgd Was SR70376	TRUE	TRUE	TRUE			SR70376		Daughter
1195	SR70377	55G	EMPLACED_CNTR	3/28/2012 15:44	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/16/2011		3/16/2011			- Rpkgd into SR70377A	TRUE	TRUE	TRUE					
1196	SR70377A	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/16/2011		3/16/2011			- Rpkgd Was SR70377	TRUE	TRUE	TRUE			SR70377		Daughter
1197	SR70379	55G	EMPLACED_CNTR	10/24/2012 9:48	3/15/2012 10:30	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/15/2011		2/15/2011		Added closuredate1 per JHarrison email 031412		TRUE	TRUE	TRUE					
1198	SR70380	55G	EMPLACED_CNTR	5/11/2011 21:50	5/12/2011 12:38	mccabed	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	2/4/2011		2/4/2011				TRUE	TRUE	TRUE					
1199	SR70381	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/16/2011		3/16/2011			- Rpkgd into SR70381A	TRUE	TRUE	TRUE					
1200	SR70381A	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/16/2011		3/16/2011			- Rpkgd Was SR70381	TRUE	TRUE	TRUE			SR70381		Daughter
1201	SR70382	55G	EMPLACED_CNTR	5/11/2012 14:42	5/11/2011 14:21	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/15/2011		3/15/2011			- Rpkgd into SR70382A	TRUE	TRUE	TRUE					
1202	SR70382A	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/15/2011		3/15/2011			- Rpkgd Was SR70382	TRUE	TRUE	TRUE			SR70382		Daughter
1203	SR70383	55G	EMPLACED_CNTR	6/1/2011 19:42	5/11/2011 14:22	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	3/11/2011		3/11/2011			Rpkgd into SR70383A	TRUE	TRUE	TRUE					
1204	SR70383A	55G	EMPLACED_CNTR	8/9/2011 0:40	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	3/11/2011		3/11/2011			- Rpkgd Was SR70383	TRUE	TRUE	TRUE			SR70383		Daughter
1205	SR70384	55G	EMPLACED_CNTR	11/9/2012 13:27	3/15/2012 10:31	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/15/2011		2/15/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1206	SR70385	55G	EMPLACED_CNTR	10/6/2011 19:41	5/12/2011 12:39	mccabed	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	3/1/2011		3/1/2011				TRUE	TRUE	TRUE					
1207	SR70386	55G	EMPLACED_CNTR	7/17/2011 9:49	4/28/2011 6:00	WWIS_Updt	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	12/3/2010		12/3/2010				TRUE	TRUE	TRUE					
1208	SR70386A	55G	EMPLACED_CNTR	6/5/2012 6:02	4/20/2012 14:51	mccabed	SR-LA-PAD1	S5400	Remediation		12/3/2010	3/20/2012	12/3/2010	3/20/2012		SWD10348 re-named; Daughter drum containing prohibited items per LWatson email 110411.		TRUE	FALSE	TRUE	NA		SR70386		Repack
1209	SR70387	55G	EMPLACED_CNTR	1/10/2012 12:54	9/14/2011 15:02	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/9/2011		9/9/2011			- Rpkgd into SR70387A	TRUE	TRUE	TRUE					
1210	SR70387A	55G	EMPLACED_CNTR	12/16/2011 9:33	9/14/2011 15:02	mccabed	SR-LA-PAD1	S5400	None	0	9/9/2011		9/9/2011				- Rpkgd was SR70387	TRUE	TRUE	TRUE			SR70387		Daughter
1211	SR70388	55G	EMPLACED_CNTR	11/9/2012 13:27	3/15/2012 10:31	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/15/2011		2/15/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1212	SR70389	55G	EMPLACED_CNTR	10/24/2012 9:48	3/15/2012 10:32	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/16/2011		2/16/2011		Added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1213	SR70390	55G	EMPLACED_CNTR	7/10/2012 14:29	4/3/2012 17:19	mccabed	SR-LA-PAD1	S5400	None	0	2/16/2011	3/28/2012	2/16/2011	3/28/2012		Changed containertype to 55g and added closuredate1 per JHarrison email 031412.		TRUE	TRUE	TRUE					
1214	SR70391	55G	EMPLACED_CNTR	5/11/2011 21:49	5/12/2011 12:41	mccabed	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	12/3/2010		12/3/2010				TRUE	TRUE	TRUE					
1215	SR70392	55G	EMPLACED_CNTR	5/11/2011 21:49	5/12/2011 12:42	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/16/2011				TRUE	TRUE	TRUE					
1216	SR70393	55G	EMPLACED_CNTR	5/11/2011 21:50	4/28/2011 6:00	WWIS_Updt	SR-LA-PAD1	S5400	Remediate	0	7/4/1972	11/18/2010		11/18/2010				TRUE	TRUE	TRUE					
1217	SR70394	55G	EMPLACED_CNTR	5/26/2011 18:44	5/12/2011 12:42	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/16/2011				TRUE	TRUE	TRUE					
1218	SR70395	55G	EMPLACED_CNTR	11/7/2011 23:05	5/12/2011 12:43	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972			2/15/2011				TRUE	TRUE	TRUE					
1219	SR70396A	55G	EMPLACED_CNTR	7/27/2011 15:30	4/28/2011 6:00	mccabed	SR-LA-PAD1	S5400			7/4/1972	4/5/2011	7/4/1972	4/5/2011			- Rpkgd Was SR70396	TRUE	TRUE	TRUE			SR70396		Daughter
1220	SR70397	55G	PRESUB_CERT		3/15/2012 10:33	mccabed	SR-LA-PAD1	S5400	V&P Vent	0	7/4/1972	2/23/2011		2/23/2011		Added closuredate1 per JHarrison email 031412		TRUE	TRUE	TRUE					
1221	SR70398	55G	EMPLACED_CNTR	12/16/2011 9:33	9/14/2011 15:04	mccabed	SR-LA-PAD1	S5400	Remediation	0	7/4/1972	9/9/2011		9/9/2011			- Rpkgd into SR70398A	TRUE	TRUE	TRUE					
1222	SR70398A	55G	EMPLACED_CNTR	12/16/2011 9:33	9/14/2011 15:04	mccabed	SR-LA-PAD1	S5400	None	0	9/9/2011		9/9/2011				- Rpkgd was SR70398	TRUE	TRUE	TRUE			SR70398		Daughter
1223	SR70399	55G	EMPLACED_CNTR	11/15/2011 14:06	5/12/2011 12:44	mccabed	SR-LA-PAD1	S5400	Vent		7/4/1972		7/4/1972	2/24/2011				TRUE	TRUE	TRUE					
1224	SR70400A	55G	EMPLACED_CNTR	12/10/2011 14:04	10/5/2011 12:55	mccabed	SR-LA-PAD1	S5400	None		9/28/2011		9/28/2011				- Rpkgd was SR70400	TRUE	TRUE	TRUE			SR70400		Daughter
1225	SRSB01209	SWB			4/19/2012 17:23	mccabed	SR-LA-PAD1	S5400			2/10/2012		2/10/2012				- Rpkgd into SR66235A / Repacked was SR66235 / Repacked was SR66245A / Repacked was SR70364 / Repacked was SR70367	TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1226	SRSB01207	SWB			4/19/2012 17:23	mccabed	SR-LA-PAD1	S5400			2/10/2012		2/10/2012				/ Repacked was SR46003I / Repacked was SR46005C / Repacked was SR66239A / Repacked was SR70378	TRUE	FALSE	TRUE					
1227	SRSB01209	SWB			4/19/2012 17:27	mccabed	SR-LA-PAD1	S5400			2/10/2012		2/10/2012				- Rpkgd was SR46003K / Repacked was SR46003KA / Repacked was SR66242 / Repacked was SR66247 / Repacked was SR70304	TRUE	FALSE	TRUE					
1228	SRSB01216	SWB			3/19/2012 15:49	mccabed	SR-LA-PAD1	S5400			3/16/2012		3/16/2012				/ Repacked was SR66261 / Repacked was SR70373 / Repacked was SR70396 / Repacked was SR70400								
1229	SRSB01221	SWB			4/27/2012 16:47	mccabed	SR-LA-PAD1	S5400			4/20/2012		4/20/2012				/ Repacked was SR66244 / Repacked was SR66244A / Repacked was SR66258 / Repacked was SR66282	FALSE	FALSE	FALSE					
1230	SRSB01222	SWB			4/27/2012 16:58	mccabed	SR-LA-PAD1	S5400			4/20/2012		4/20/2012				- Rpkgd was SR46001E / Repacked was SR46001EA / Repacked was SR66237 / Repacked was SR70354								
1231	235F05006	SSG	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400		1	8/29/2005		8/29/2005		2/21/2006	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1232	MDQ202747A	SSG	EMPLACED_CNTR	12/19/2012 12:49	10/9/2012 22:18	mccabed	SR-MD-HET	S5400	None		9/4/2012		9/4/2013			Parent Waste Stream removed per JHarrison email 110411; Parent Excluded per BSchrock email 043012; Added WS and unexcluded per LWatson email 100912	- Rpkgd was MDL0202747	TRUE	TRUE	TRUE			MDL0202747		Daughter
1233	MDQ202747B	SSG	EMPLACED_CNTR	1/16/2013 15:01	10/9/2012 22:18	mccabed	SR-MD-HET	S5400	None		9/4/2012		9/4/2013			Parent Waste Stream removed per JHarrison email 110411; Parent Excluded per BSchrock email 043012; Added WS and unexcluded per LWatson email 100912	- Rpkgd was MDL0202747	TRUE	TRUE	TRUE			MDL0202747		Daughter
1234	MD0310331A	SLB2	APPROVED_CERT		5/1/2012 19:41	mccabed	SR-MD-HET	S5400			2/1/2012		2/1/2012	3/20/2012		Placed contents of Steel Box into SLB2 per procedure 221-F-55078 for MDL0310331; updated per JBiedscheid email 050112	- Rpkgd was MDL0310331	TRUE	TRUE	TRUE			MDL0310331		Repack
1235	MD0310931A	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/31/2012 13:20	mccabed	SR-MD-HET	S5400			5/19/2012	5/23/2012	5/19/2017	5/23/2017		221-F-55006 Tru Drum Repackaging	- Rpkgd was MDL0310931	TRUE	TRUE	TRUE			MDL0310931		Daughter
1236	MD0311403A	SSG	APPROVED_CERT		8/23/2012 10:12	mccabed	SR-MD-HET	S5400			5/23/2012		5/23/2012			Contains PCBs greater than 50 ppm and is regulated as a TSCA waste. Simmons, 4/16/08 PCB Remediation Waste; The L has been dropped due to the 10-character limit.	- Rpkgd was MDL0311403	TRUE	TRUE	TRUE	Yes	10/2/1985	MDL0311403		Daughter
1237	MD0311403B	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/23/2012 10:13	mccabed	SR-MD-HET	S5400			5/23/2012		5/23/2012			Contains PCBs greater than 50 ppm and is regulated as a TSCA waste. Simmons, 4/16/08 PCB Remediation Waste; The L has been dropped due to the 10-character limit.	- Rpkgd was MDL0311403	TRUE	TRUE	TRUE	Yes	10/2/1985	MDL0311403		Daughter
1238	MD0311403C	SWB			6/11/2013 7:47	mccabed	SR-MD-HET	S5400			5/23/2012	6/5/2013	5/23/2012	6/5/2013		Contains PCBs greater than 50 ppm and is regulated as a TSCA waste. Simmons, 4/16/08 PCB Remediation Waste; The L has been dropped due to the 10-character limit; NOP 221-H-8827	- Rpkgd was MDL0311403	TRUE	TRUE	TRUE	Yes	10/2/1985	MDL0311403		Daughter
1239	MDQ311403D	SLB2	EMPLACED_CNTR	7/21/2013 9:06	9/12/2012 15:48	mccabed	SR-MD-HET	S5400			5/23/2012		5/23/2012	5/23/2012		Contains PCBs greater than 50 ppm and is regulated as a TSCA waste. Simmons, 4/16/08 PCB Remediation Waste; The L has been dropped due to the 10-character limit.	- Rpkgd was MDL0311403	TRUE	TRUE	TRUE	Yes	10/2/1985	MDL0311403		Daughter
1240	MD0520005A	SWB	EMPLACED_CNTR	1/6/2013 13:48	6/18/2012 12:22	mccabed	SR-MD-HET	S5400			6/12/2012		6/12/2012			L dropped due to 10 character limit.	- Rpkgd was MDL0520005	TRUE	FALSE	TRUE			MDL0520005		Daughter
1241	MD1033501	SLB2	EMPLACED_CNTR	10/13/2012 13:55	9/26/2011 9:31	mccabed	SR-MD-HET	S5400			6/13/2011		6/13/2011	9/15/2011		Filter Reduction Date: 9/15/2011; Reduced Filter Model: NFT-013.	- Rpkgd was MDL0310335 (10 character limit on containers so the LO is removed on the daughter)	TRUE	TRUE	TRUE			MDL0310335		Daughter
1242	MD1033502	SLB2	EMPLACED_CNTR	10/10/2012 10:47	9/26/2011 11:05	mccabed	SR-MD-HET	S5400			6/13/2011		6/13/2011	9/15/2011		Filter Reduction Date: 9/15/2011; Reduced Filter Model: NFT-013	- Rpkgd was MDL0310335 (10 character limit on containers so the LO is removed on the daughter)	TRUE	TRUE	TRUE			MDL0310335		Daughter
1243	MD1033503	SWB	EMPLACED_CNTR	6/1/2012 9:13	7/9/2011 17:06	mccabed	SR-MD-HET	S5400			6/13/2011		6/13/2011				- Rpkgd was MDL0310335 (10 character limit on containers so the LO is removed on the daughter)	TRUE	TRUE	TRUE			MDL0310335		Daughter
1244	MD1033601	SLB2	EMPLACED_CNTR	9/9/2012 10:15	9/26/2011 9:39	mccabed	SR-MD-HET	S5400			6/4/2011		6/4/2011	6/4/2011			- Rpkgd was MDL0310336	TRUE	TRUE	TRUE			MDL0310336		Repack
1245	MD1033602	SLB2	EMPLACED_CNTR	9/15/2012 9:48	9/26/2011 9:40	mccabed	SR-MD-HET	S5400			6/4/2011		6/4/2011	6/4/2011			- Rpkgd was MDL0310336	TRUE	TRUE	TRUE			MDL0310336		Repack
1246	MD1033603	SWB	EMPLACED_CNTR	6/3/2013 9:12	1/30/2012 16:06	mccabed	SR-MD-HET	S5400			6/6/2011	1/11/2012	6/6/2011	1/11/2012											
1247	MD1033606	SSG	EMPLACED_CNTR	6/9/2012 10:58	10/24/2011 19:02	mccabed	SR-MD-HET	S5400	Remediation		6/6/2011	10/21/2011	6/6/2011	10/21/2011		SW15.3-SOP-CELL1-03 Cell 11 Tru Repacking Operation	- Rpkgd was MDL0310336	TRUE	TRUE	TRUE			MDL0310336		Repack
1248	MD31141101	SLB2	EMPLACED_CNTR	8/2/2013 15:14	8/27/2012 16:11	mccabed	SR-MD-HET	S5400			8/24/2011		8/24/2011	8/24/2011			- Rpkgd was MDL0310336	TRUE	TRUE	TRUE			MDL0310336		Repack
1249	MDL010878	#SG	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400			11/6/1985		11/6/1985		5/1/1986	Updated per JBiedscheid email 082412	- Rpkgd was MDL0311411	TRUE	TRUE	TRUE			MDL0311411		Repack
1250	MDL010979	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/10/1988	11/20/2007	9/10/1988	11/20/2007	3/5/1989	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1251	MDL010980	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/10/1988	2/5/2008	9/10/1988	2/5/2008	3/5/1989										
1252	MDL010981	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/10/1988	11/16/2007	9/10/1988	11/16/2007	3/5/1989										
1253	MDL011048	#SG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	1/1/1994	1/15/2008	1/1/1994	1/15/2008	6/26/1994										
1254	MDL011079	SSG	EMPLACED_CNTR	4/26/2013 14:53	10/9/2012 22:21	mccabed	SR-MD-HET	S5400		1	9/10/2001	9/4/2012	9/10/2001	9/4/2012		EXCLUDE - not >50% debris, 10/16/2007 by LAR - CS; Added back per JHarrison email 110811 with WS as None; Exclude per BSchrock email 043012; 221-F-55006; Added WS and unexcluded per LWatson email 100912		FALSE	FALSE	FALSE					
1255	MDL011095	#SG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/2/1999	10/9/2007	9/2/1999	10/9/2007	2/25/2000										
1256	MDL011099	#SG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/2/1999	9/12/2007	9/2/1999	9/12/2007	2/25/2000										
1257	MDL011109	#SG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/10/2001	9/13/2007	9/10/2001	9/13/2007	3/5/2002										
1258	MDL011341	SSG	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	12/1/1992	11/21/2007	12/1/1992	11/21/2007	5/26/1993										
1259	MDL011343	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/18/1964	10/30/2007	9/18/1964	10/30/2007	3/13/1985										
1260	MDL011343A	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400		0	10/30/2007		10/30/2007		4/23/2008										
1261	MDL011345	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	1/7/1988	9/26/2007	1/7/1988	9/26/2007	7/1/1988										
1262	MDL011347	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/9/1986	9/26/2007	9/9/1986	9/26/2007	3/4/1987										
1263	MDL011348	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/26/1968	11/30/2007	9/26/1968	11/30/2007	3/21/1989										
1264	MDL011348A	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400		0	11/30/2007		11/30/2007		5/24/2006										
1265	MDL011352	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/15/1985	9/26/2007	9/15/1985	9/26/2007	3/10/1986										
1266	MDL011354	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	12/1/1982	9/26/2007	12/1/1982	9/26/2007	5/26/1983										
1267	MDL011362	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	9/26/1968	11/8/2007	9/26/1968	11/8/2007	3/21/1999										
1268	MDL011364	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	2/5/1985	9/27/2007	2/5/1985	9/27/2007	7/31/1985										
1269	MDL011366	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	2/5/1985	9/18/2007	2/5/1985	9/18/2007	7/31/1985										
1270	MDL011367	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	1/7/1988	11/19/2007	1/7/1988	11/19/2007	7/1/1988										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1271	MDL011368	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/19/1985	2/11/2008	9/19/1985	2/11/2008	3/14/1986										
1272	MDL011372	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	2/5/1985	9/27/2007	2/5/1985	9/27/2007	7/31/1985										
1273	MDL016249	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/15/1993	11/19/2007	9/15/1993	11/19/2007	1/10/1994										
1274	MDL016258	55G	EMPLACED_CNTR	8/22/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400			1/25/1991		1/25/1991		7/20/1991										
1275	MDL016259	55G	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	8/21/1990	11/20/2007	8/21/1990	11/20/2007	2/13/1991										
1276	MDL016260	55G	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/13/1985	10/16/2007	9/13/1985	10/16/2007	3/5/1986										
1277	MDL016260A	55G	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	10/16/2007		10/16/2007		4/9/2008										
1278	MDL016273	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	6/3/1992	12/18/2007	6/3/1992	12/18/2007	11/26/1992										
1279	MDL016273A	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	12/18/2007		12/18/2007		6/11/2008										
1280	MDL016274	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	12/21/1998	9/27/2007	12/21/1998	9/27/2007	6/15/1999										
1281	MDL016275	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	8/21/1990	11/29/2007	8/21/1990	11/29/2007	2/13/1991										
1282	MDL016281	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/9/1986	11/20/2007	9/9/1986	11/20/2007	3/4/1987										
1283	MDL016282	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/9/1986	9/27/2007	9/9/1986	9/27/2007	3/4/1987										
1284	MDL016283	55G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/9/1986	12/27/2007	9/9/1986	12/27/2007	3/4/1987										
1285	MDL016284	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/13/1985	10/4/2007	9/13/1985	10/4/2007	3/6/1986										
1286	MDL016284A	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	10/4/2007		10/4/2007		3/28/2008										
1287	MDL016443	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/7/1999	10/2/2007	9/7/1999	10/2/2007	3/1/2000										
1288	MDL016452	55G	EMPLACED_CNTR	5/2/2011 23:06	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/7/1999	5/15/2008	9/7/1999	5/15/2008	3/1/2000			TRUE	TRUE	TRUE					
1289	MDL0201622	85G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2000	9/7/2007	9/4/2002	9/7/2007	2/27/2003										
1290	MDL0202736	85G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/2/2007	9/4/2002	11/2/2007	2/27/2003										
1291	MDL0202747	55G	EMPLACED_CNTR	1/16/2013 15:01	10/9/2012 22:16	mccabed	SR-MO-HET	55400	Remediate	1	9/4/2002	9/4/2012	10/25/2007	9/4/2012		Waste Stream removed per Jharrison email 110411; Exclude per BSchrock email 043012; 221-F-55006; Added WS and unexcluded per LWatson email 100912.	Rpkgd into MDL0202747A - Rpkgd into MDL0202747B	TRUE	TRUE	TRUE					
1292	MDL020742	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400			9/4/2002		9/4/2002		2/27/2003										
1293	MDL021020	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/9/2007	9/4/2002	11/9/2007	2/27/2003										
1294	MDL021121	55G	APPROVED_CERT		11/27/2012 14:37	mccabed	SR-MO-HET	55400	None		9/4/2002	9/6/2012	11/21/2007	9/6/2012		removed WS per C. Simmons 4-28-08 >50% absorbent; Exclude per BSchrock email 043012; 221-F-55006; Added back per LWatson email 112712.	Rpkgd into MDL021121A	TRUE	FALSE	TRUE					
1295	MDL021121A	55G	APPROVED_SHIP		12/20/2012 14:18	mccabed	SR-MO-HET	55400	None		9/6/2012		9/6/2012			Parent WS removed per C. Simmons 4-28-08 >50% absorbent; Parent excluded per BSchrock email 043012; Un-exclude per LWatson 122012.	Rpkgd was MDL021121	FALSE	FALSE	FALSE		MDL021121		Daughter
1296	MDL0211326	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	5/19/2008	9/4/2002	5/19/2008	2/27/2003										
1297	MDL021232	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/19/2007	9/4/2002	11/19/2007	2/27/2003										
1298	MDL021300	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/1/2007	9/4/2002	10/1/2007	2/27/2003										
1299	MDL021301	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/2/2007	9/4/2002	10/2/2007	2/27/2003										
1300	MDL021302	55G	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/26/2007	9/4/2002	11/26/2007	2/27/2003										
1301	MDL021303	55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/29/2007	9/4/2002	11/29/2007	2/27/2003										
1302	MDL021303A	55G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	11/29/2007		11/29/2007		5/23/2008										
1303	MDL021304	55G	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	3/12/1982	12/31/2007	3/12/1982	12/31/2007	9/4/1982										
1304	MDL021305	55G	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	3/12/1982	11/16/2007	3/12/1982	11/16/2007	9/4/1982										
1305	MDL021306	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	2/7/2008	9/4/2002	2/7/2008	2/27/2003										
1306	MDL021308	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	3/12/1982	2/4/2008	3/12/1982	2/4/2008	9/4/1982										
1307	MDL021309	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	9/25/2007	9/4/2002	9/25/2007	2/27/2003										
1308	MDL021310	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	12/31/2007	9/4/2002	12/31/2007	2/27/2003										
1309	MDL021311	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/29/2007	9/4/2002	11/29/2007	2/27/2003										
1310	MDL021311A	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	11/29/2007		11/29/2007		5/23/2008										
1311	MDL021312	55G	APPROVED_CERT		11/27/2012 14:39	mccabed	SR-MO-HET	55400	None		9/4/2002	9/6/2012	11/21/2007	9/6/2012		removed WS per C. Simmons 4-28-08 >50% absorbent; Exclude per BSchrock email 043012; 221-F-55006; Added back per LWatson email 112712.	Rpkgd into MDL021312A - Rpkgd into MDL021312B	TRUE	FALSE	TRUE					
1312	MDL021312A	55G	APPROVED_SHIP		12/20/2012 14:17	mccabed	SR-MO-HET	55400	None		9/6/2012		9/6/2012			Parent WS removed per C. Simmons 4-28-08 >50% absorbent; Parent excluded per BSchrock email 043012; Un-exclude per LWatson 122012.	Rpkgd was MDL021312	FALSE	FALSE	FALSE		MDL021312		Daughter
1313	MDL021312B	55G	APPROVED_SHIP		12/20/2012 14:17	mccabed	SR-MO-HET	55400	None		9/6/2012		9/6/2012			Parent WS removed per C. Simmons 4-28-08 >50% absorbent; Parent excluded per BSchrock email 043012; Un-exclude per LWatson 122012.	Rpkgd was MDL021312	FALSE	FALSE	FALSE		MDL021312		Daughter
1314	MDL021313	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/28/2007	9/4/2002	11/28/2007	2/27/2003										
1315	MDL021314	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/2/2007	9/4/2002	10/2/2007	2/27/2003										
1316	MDL021315	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/22/2007	9/4/2002	11/22/2007	2/27/2003										
1317	MDL021337	55G	EMPLACED_CNTR	5/2/2011 23:06	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	1/10/2008	9/4/2002	1/10/2008	2/27/2003			TRUE	TRUE	TRUE					
1318	MDL021340	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/4/2007	9/4/2002	10/4/2007	2/27/2003										
1319	MDL021342	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/4/2007	9/4/2002	10/4/2007	2/27/2003										
1320	MDL021344	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	1/29/2008	9/4/2002	1/29/2008	2/27/2003										
1321	MDL021344A	55G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	1/29/2008		1/29/2008		7/23/2008										
1322	MDL021346	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/12/2007	9/4/2002	11/12/2007	2/27/2003										
1323	MDL021349	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	2/5/1985	11/22/2007	2/5/1985	11/22/2007	7/31/1985										
1324	MDL021350	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/4/2007	9/4/2002	10/4/2007	2/27/2003										
1325	MDL021351	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	6/7/1988	11/23/2007	6/7/1988	11/23/2007	11/30/1988										
1326	MDL021355	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	10/4/2007	9/4/2002	10/4/2007	2/27/2003										
1327	MDL021356	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	3/12/1982	11/19/2007	3/12/1982	11/19/2007	9/4/1982										
1328	MDL021358	55G	EMPLACED_CNTR	8/22/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	2/6/2008	9/4/2002	2/6/2008	2/27/2003										
1329	MDL021360	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	2/11/2008	9/4/2002	2/11/2008	2/27/2003										
1330	MDL021361	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	1/25/2008	9/4/2002	1/25/2008	2/27/2003										
1331	MDL021361A	55G	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	1/25/2008		1/25/2008		7/19/2008										
1332	MDL021363	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		1	9/4/2002		9/4/2002		2/27/2003										
1333	MDL021365	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/9/1986	10/12/2007	9/9/1986	10/12/2007	3/4/1987										
1334	MDL021369	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/30/2007	9/4/2002	11/30/2007	2/27/2003										
1335	MDL021369A	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	11/30/2007		11/30/2007		5/24/2008										
1336	MDL021373	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	9/20/2007	9/4/2002	9/20/2007	2/27/2003										
1337	MDL021373A	55G	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	9/20/2007		9/20/2007		3/14/2008										
1338	MDL021374	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	2/3/1987	11/22/2007	2/3/1987	11/22/2007	7/29/1987										
1339	MDL021375	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	9/24/2007	9/4/2002	9/24/2007	2/27/2003										
1340	MDL021376	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	1/14/2008	9/4/2002	1/14/2008	2/27/2003										
1341	MDL021377	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400	Remediate	1	9/4/2002	11/28/2007	9/4/2002	11/28/2007	2/27/2003										
1342	MDL021377A	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Upd	SR-MO-HET	55400		0	11/28/2007		11/28/2007		5/23/2008										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1343	MDL021377B	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400			11/28/2007		11/28/2007												
1344	MDL021607	85G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	12/27/2007	9/4/2002	12/27/2007	2/27/2003										
1345	MDL021621	85G	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400			9/4/2002		9/4/2002		2/27/2003										
1346	MDL021626	85G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/3/2007	9/4/2002	11/3/2007	2/27/2003										
1347	MDL022703	85G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/27/2007	9/4/2002	11/27/2007	2/27/2003										
1348	MDL022703A	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		0	11/27/2007		11/27/2007		5/21/2008										
1349	MDL022706	85G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	12/19/2007	9/4/2002	12/19/2007	2/27/2003										
1350	MDL022706A	55G	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		0	12/19/2007		12/19/2007		6/12/2008										
1351	MDL0227068	55G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400			12/19/2007		12/19/2007												
1352	MDL022719	85G	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/15/2002	4/3/2008	5/15/2002	4/3/2008	11/7/2002										
1353	MDL022730	55G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/3/2007	9/4/2002	11/3/2007	2/27/2003										
1354	MDL022726	85G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/5/2007	9/4/2002	11/5/2007	2/27/2003										
1355	MDL022728	85G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	10/10/2007	9/4/2002	10/10/2007	2/27/2003										
1356	MDL022735	85G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	12/29/2007	9/4/2002	12/29/2007	2/27/2003										
1357	MDL022737	85G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/3/2007	9/4/2002	11/3/2007	2/27/2003										
1358	MDL022739	85G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/3/2007	9/4/2002	11/3/2007	2/27/2003										
1359	MDL022740	85G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/5/2007	9/4/2002	11/5/2007	2/27/2003										
1360	MDL022742	85G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/5/2007	9/4/2002	11/5/2007	2/27/2003										
1361	MDL022743	85G	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/13/2007	9/4/2002	9/13/2007	2/27/2003										
1362	MDL022751	85G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/13/2007	9/4/2002	9/13/2007	2/27/2003										
1363	MDL022758	85G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	12/29/2007	9/4/2002	12/29/2007	2/27/2003										
1364	MDL022763	85G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/6/2007	9/4/2002	11/6/2007	2/27/2003										
1365	MDL022771	55G	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/7/2007	9/4/2002	11/7/2007	2/27/2003										
1366	MDL02513A	SWB	EMPLACED_CNTR	12/2/2012 13:42	8/15/2012 12:45	mccabed	SR-MD-HET	55400			5/11/2012	8/9/2012	5/11/2012	8/9/2012		221-F-55078 Tru Waste Container Remediation	- Rpkgd was MDL02513 - Rpkgd into MDL02513E	TRUE	TRUE	TRUE					
1367	MDL02513C	55G	EMPLACED_CNTR	7/15/2012 13:24	5/30/2012 16:10	mccabed	SR-MD-HET	55400			5/11/2012	5/21/2012	5/11/2012	5/21/2012		221-F-55006	- Rpkgd was MDL02513	TRUE	TRUE	TRUE			MDL02513		Repack
1368	MDL02514A	SLB2	EMPLACED_CNTR	12/11/2012 13:07	9/12/2012 15:49	mccabed	SR-MD-HET	55400			5/15/2012		5/15/2012	8/24/2012		Filter reconfiguration date: 8/24/2012; Reduced filter model: NFT-013	- Rpkgd was MDL02514	TRUE	TRUE	TRUE			MDL02514		Repack
1369	MDL02514B	55G	EMPLACED_CNTR	10/25/2012 15:30	5/22/2012 14:39	mccabed	SR-MD-HET	55400			5/15/2012		5/15/2012				- Rpkgd was MDL02514	TRUE	TRUE	TRUE			MDL02514		Daughter
1370	MDL02515A	SLB2	EMPLACED_CNTR	12/1/2012 9:32	6/23/2012 22:16	mccabed	SR-MD-HET	55400			5/5/2012		5/5/2012	6/12/2012		221-F-55078 Tru Waste Container Remediation (MDL02515 containertype was a steel box); Filter reconfiguration date: 6/12/12; Reduced filter model NFT-013	- Rpkgd was MDL02515	TRUE	TRUE	TRUE			MDL02515		Repack
1371	MDL02521A	SLB2	EMPLACED_CNTR	11/30/2012 14:02	6/23/2012 22:17	mccabed	SR-MD-HET	55400			5/3/2012		5/3/2012	6/12/2012		221-F-55078 Tru Waste Container Remediation (MDL02521 containertype was a steel box); Filter reconfiguration date: 6/12/12; Reduced filter model NFT-013	- Rpkgd was MDL02521	TRUE	TRUE	TRUE			MDL02521		Repack
1372	MDL02550A	SLB2	EMPLACED_CNTR	11/8/2012 15:16	6/23/2012 22:22	mccabed	SR-MD-HET	55400			5/10/2012		5/10/2012	5/10/2012		Repackaged MDL02550 per 221-F-55078	- Rpkgd was MDL02550	TRUE	TRUE	TRUE			MDL02550		Repack
1373	MDL026086	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/13/2007	9/4/2002	11/13/2007	2/27/2003										
1374	MDL026248	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/20/2007	9/4/2002	9/20/2007	2/27/2003										
1375	MDL026250	55G	EMPLACED_CNTR	4/11/2013 15:07	11/27/2012 14:41	mccabed	SR-MD-HET	55400	None		9/4/2002	9/6/2012	11/28/2007	9/6/2012		removed WS per C. Simmons 4-28-08 >50% absorbent; Exclude per BSchrock email 043012; 221-F-55006; Added back per LWatson email 112712	- Rpkgd into MDL026250B	TRUE	FALSE	TRUE					
1376	MDL026250A	55G	EMPLACED_CNTR	1/16/2013 15:01	10/10/2012 14:54	mccabed	SR-MD-HET	55400		0	11/28/2007	8/30/2012	11/28/2007	8/30/2012		removed WS per C. Simmons 4-28-08 >50% absorbent; Exclude per BSchrock email 043012; 221-F-55006; Unexcluded and WS added back per LWatson email 100912.	- Rpkgd into MDL026250C	FALSE	FALSE	FALSE					
1377	MDL026250B	55G	APPROVED_CERT		1/16/2013 10:33	mccabed	SR-MD-HET	55400	None	1	9/6/2012		9/6/2012			Parent WS removed per C. Simmons 4-28-08 >50% absorbent; Parent excluded per BSchrock email 043012; Un-exclude per LWatson 122012.	- Rpkgd was MDL026250	FALSE	FALSE	FALSE			MDL026250		Daughter
1378	MDL026250C	55G	EMPLACED_CNTR	12/15/2012 13:44	10/10/2012 14:53	mccabed	SR-MD-HET	55400		0	8/30/2012		8/30/2012			Removed WS of parent per C. Simmons 4-28-08 >50% absorbent; Parent excluded per BSchrock email 043012; Unexcluded and WS added back per LWatson email 100912.	- Rpkgd was MDL026250A	FALSE	FALSE	FALSE			MDL026250A		Daughter
1379	MDL026251	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/16/2007	9/4/2002	11/16/2007	2/27/2003										
1380	MDL026253	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/24/2007	9/4/2002	9/24/2007	2/27/2003										
1381	MDL026256	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/24/2007	9/4/2002	9/24/2007	2/27/2003										
1382	MDL026257	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/14/2007	9/4/2002	11/14/2007	2/27/2003										
1383	MDL026271	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	6/1/1989	1/10/2008	6/1/1989	1/10/2008	11/24/1989										
1384	MDL026272	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	11/23/2007	9/4/2002	11/23/2007	2/27/2003										
1385	MDL026276	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	8/21/1990	9/25/2007	8/21/1990	9/25/2007	2/13/1991										
1386	MDL026277	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/25/2007	9/4/2002	9/25/2007	2/27/2003										
1387	MDL026447	55G	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	1/14/2008	9/4/2002	1/14/2008	2/27/2003										
1388	MDL026450	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/4/2002	9/25/2007	9/4/2002	9/25/2007	2/27/2003										
1389	MDL026453	55G	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	9/9/2007	11/7/2002										
1390	MDL0300809	55G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	2/10/2003	3/25/2008	2/10/2003	3/25/2008	8/5/2003										
1391	MDL0300818	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	3/30/1999	3/24/2008	3/30/1999	3/24/2008	9/22/1999										
1392	MDL0301011	85G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/28/1999	10/11/2007	9/28/1999	10/11/2007	3/20/2000										
1393	MDL0301029	85G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	9/28/1999	7/29/2008	9/28/1999	7/29/2008	3/22/2000										
1394	MDL0301031	85G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	10/3/1999	9/13/2007	10/3/1999	9/13/2007	3/27/2000										
1395	MDL0301245	85G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400			8/22/1999		8/22/1999		2/14/2000										
1396	MDL0301402	85G	EMPLACED_CNTR	11/13/2009 9:47	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	2/22/2001	10/11/2007	2/22/2001	10/11/2007	8/17/2001										
1397	MDL0301611	85G	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	4/25/2001	4/26/2008	4/25/2001	4/26/2008	10/18/2001										
1398	MDL0301739	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/10/2001	9/18/2007	5/10/2001	9/18/2007	11/2/2001										
1399	MDL0301771	55G	EMPLACED_CNTR	5/2/2011 23:06	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		1	5/10/2001		5/10/2001		11/2/2001	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1400	MDL0301778	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/10/2001	9/19/2007	5/10/2001	9/19/2007	11/2/2001										
1401	MDL0301793	55G	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/10/2001	5/22/2008	5/10/2001	5/22/2008	11/2/2001										
1402	MDL0301828	55G	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/10/2001	7/23/2008	5/10/2001	7/23/2008	11/2/2001										
1403	MDL0301842	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	8/20/2003	11/23/2007	8/20/2003	11/23/2007	2/12/2004										
1404	MDL0302350	55G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		1	4/25/2001		4/25/2001		10/18/2001										
1405	MDL0302353	55G	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		1	4/25/2001		4/25/2001		10/18/2001	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1406	MDL0302417	55G	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	7/30/2003	8/6/2008	7/30/2003	8/6/2008	1/22/2004										
1407	MDL0302422	55G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	8/20/2003	8/20/2007	8/20/2003	8/20/2007	2/12/2004										
1408	MDL0302429	55G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		1	8/20/2003		8/20/2003		2/12/2004										
1409	MDL0302530	55G	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400		1	8/20/2003		8/20/2003		2/12/2004										
1410	MDL0302702	85G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	55400	Remediate	1	5/17/2002	9/7/2007	5/17/2002	9/7/2007	11/19/2002										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1411	MDL0302770	BSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	5/28/2002	4/1/2008	5/28/2002	4/1/2008	11/20/2002										
1412	MDL0303032	SSG	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	11/18/2002	4/8/2008	11/18/2002	4/8/2008	5/13/2003										
1413	MDL0303466	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	8/20/2003	1/14/2008	8/20/2003	1/14/2008	2/12/2004										
1414	MDL031025	BSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			2/10/2003		2/10/2003		8/5/2003										
1415	MDL0310304	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			6/21/2000		6/21/2000		12/14/2000			TRUE	TRUE	TRUE					
1416	MDL0310307	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			5/23/2001		5/23/2001		11/15/2001			TRUE	TRUE	TRUE					
1417	MDL0310323	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			6/19/2001		6/19/2001		12/12/2001			TRUE	TRUE	TRUE					
1418	MDL0310328	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			6/18/2001		6/18/2001		12/11/2001			TRUE	TRUE	TRUE					
1419	MDL0310330	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			7/9/2001		7/9/2001		1/1/2002			TRUE	TRUE	TRUE					
1420	MDL0310823	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			5/21/2001		5/21/2001		11/13/2001			TRUE	TRUE	TRUE					
1421	MDL0310824	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			5/22/2001		5/22/2001		11/14/2001			TRUE	TRUE	TRUE					
1422	MDL0310827	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1423	MDL0310828	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1424	MDL0310829	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1425	MDL0310830	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1426	MDL0310832	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1427	MDL0310833	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			1/31/2002		1/31/2002		7/26/2002			TRUE	TRUE	TRUE					
1428	MDL0310926	SWB	APPROVED_CERT		4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			12/11/2001		12/11/2001		6/5/2002			TRUE	TRUE	TRUE					
1429	MDL0310927	SWB	EMPLACED_CNTR	6/2/2012 9:12	12/20/2011 15:50	mccabed	SR-MD-HET	SS400	Remediation		1/21/2002	12/12/2011	1/21/2002	12/12/2011				TRUE	TRUE	TRUE					
1430	MDL0310928	SWB	EMPLACED_CNTR	3/2/2012 13:25	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			6/11/2003		6/11/2003		12/4/2003			TRUE	TRUE	TRUE					
1431	MDL0310930	SWB	EMPLACED_CNTR	4/10/2011 14:08	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			2/14/2002		2/14/2002		8/9/2002			TRUE	TRUE	TRUE					
1432	MDL0310931	SWB	EMPLACED_CNTR	11/10/2012 15:18	5/24/2012 10:14	mccabed	SR-MD-HET	SS400			2/21/2002	5/19/2012	2/6/2012	5/19/2012		Cell 11 Tru repacking operation SW15.3-SOP-CEL11-03; 221-F-55078 Tru Waste Container Remediation	- Rpkgd into MDL0310911A	TRUE	TRUE	TRUE					
1433	MDL0310932	SWB	EMPLACED_CNTR	4/11/2011 19:19	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			3/6/2002		3/6/2002		8/29/2002			TRUE	TRUE	TRUE					
1434	MDL0310933	SWB	EMPLACED_CNTR	3/2/2012 13:25	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			6/11/2003		6/11/2003		12/4/2003			TRUE	TRUE	TRUE					
1435	MDL0310935	SWB	EMPLACED_CNTR	4/9/2013 13:25	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			2/12/2002		2/12/2002		8/7/2002			TRUE	TRUE	TRUE					
1436	MDL0310936	SWB	EMPLACED_CNTR	4/11/2011 19:19	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			2/14/2002		2/14/2002		8/9/2002			TRUE	TRUE	TRUE					
1437	MDL0310937	SWB	EMPLACED_CNTR	9/22/2010 18:35	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			12/11/2001		12/11/2001		6/5/2002										
1438	MDL0310992	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			3/19/2002		3/19/2002		9/11/2002			TRUE	TRUE	TRUE					
1439	MDL0311411	Steel Box			9/7/2011 12:45	mccabed	SR-MD-HET	SS400			11/7/2002	8/25/2011	11/7/2002	8/25/2011			- Rpkgd into MD31141101 - Rpkgd into MD31141102	TRUE	TRUE	TRUE					
1440	MDL0311412	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			10/23/2002		10/23/2002		4/17/2003			TRUE	TRUE	TRUE					
1441	MDL0314029	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	2/10/2003	4/30/2008	2/10/2003	4/30/2008	8/5/2003										
1442	MDL0314175	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400		1	2/10/2003		2/10/2003		8/5/2003	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1443	MDL0314180	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	6/18/2001	10/30/2007	6/18/2001	10/30/2007	12/11/2001										
1444	MDL0314195	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400	Remediate	1	2/10/2003	4/7/2008	2/10/2003	4/7/2008	8/5/2003										
1445	MDL032702A	SSG	EMPLACED_CNTR	1/16/2013 15:01	5/16/2012 9:59	mccabed	SR-MD-HET	SS400		1	9/7/2007		9/7/2007			NCR-SRS-0385-07, not SS000 debris waste 07/31/08 Null Wastestream. Drum number changed per NCR-SRS-1503-07; WS added per MMapp email 051012.	Parent container = MDL0302702 (zero dropped due to 10 character limit at SRS)	FALSE	FALSE	FALSE					
1446	MDL03491	Steel Box			2/7/2012 16:01	mccabed	SR-MD-HET	SS400	Remediation		6/8/2001	1/13/2012	6/8/2001	1/13/2012			- Rpkgd into MDL0349102 - Rpkgd into MDL0349103 - Rpkgd into MDL0349104 - Rpkgd into MDL0349105 - Rpkgd into MDL0349106 - Rpkgd into MDL0349107	TRUE	TRUE	TRUE					
1447	MDL0349101	SLB2	APPROVED_SHIP		10/15/2012 14:09	mccabed	SR-MD-HET	SS400			1/13/2012		1/13/2012	10/1/2012		Added per JMontoya email 06142; Vent date 1 added per JBiedscheid email 091112; Vendate1 updated per JBiedscheid email 101212; Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	NA				
1448	MDL0349102	SSG	EMPLACED_CNTR	6/24/2012 13:24	2/7/2012 15:59	mccabed	SR-MD-HET	SS400	None		1/13/2012		1/13/2012				- Rpkgd was MDL03491	TRUE	TRUE	TRUE			MDL03491		Daughter
1449	MDL0349103	SSG	EMPLACED_CNTR	6/24/2012 13:24	2/7/2012 15:59	mccabed	SR-MD-HET	SS400	None		1/13/2012		1/13/2012				- Rpkgd was MDL03491	TRUE	TRUE	TRUE			MDL03491		Daughter
1450	MDL0349104	SSG	EMPLACED_CNTR	6/24/2012 13:25	2/7/2012 16:00	mccabed	SR-MD-HET	SS400	None		1/13/2012		1/13/2012				- Rpkgd was MDL03491	TRUE	TRUE	TRUE			MDL03491		Daughter
1451	MDL0349107	SSG	APPROVED_CERT		2/7/2012 16:01	mccabed	SR-MD-HET	SS400	None		1/13/2012		1/13/2012				- Rpkgd was MDL03491	TRUE	TRUE	TRUE			MDL03491		Daughter
1452	MDL03519A	SLB2	EMPLACED_CNTR	8/10/2013 14:03	11/13/2012 15:49	mccabed	SR-MD-HET	SS400			8/10/2012		8/10/2012	10/31/2012		221-F-55078 Tru Waste Container Remediation; Filter reconfiguration date: 10/31/2012; Reduced filter model: NFT-013; Parent generation data 4/20/2012.	- Rpkgd was MDL03519	TRUE	TRUE	TRUE			MDL03519		Daughter
1453	MDL0354601	SLB2	APPROVED_CERT		9/12/2012 15:51	mccabed	SR-MD-HET	SS400			1/20/2012		1/20/2012	9/5/2012		MDL03546 (Steel Box) changed to MDL0354601 (SLB2) per 221-F-55078; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013	- Rpkgd was MDL03546 - Rpkgd into MDL0354602	TRUE	TRUE	TRUE					
1454	MDL0354602	SSG	EMPLACED_CNTR	11/16/2012 10:11	9/13/2012 14:15	mccabed	SR-MD-HET	SS400			1/20/2012	9/7/2012	1/20/2012	9/7/2012		221-F-55006	- Rpkgd was MDL03546 - Rpkgd was MDL0354601	TRUE	TRUE	TRUE			MDL0354601	MDL03546	NA
1455	MDL03554A	SLB2	EMPLACED_CNTR	3/28/2013 15:07	9/12/2012 15:51	mccabed	SR-MD-HET	SS400			5/18/2012		5/18/2012	8/24/2012		Filter reconfiguration date: 8/24/2012; Reduced filter model: NFT-013	- Rpkgd was MDL03554	TRUE	TRUE	TRUE			MDL03554		Repack
1456	MDL03558	Steel Box			10/21/2011 8:32	mccabed	SR-MD-HET	SS400			8/9/2001	9/27/2011	8/9/2001	9/27/2011			- Rpkgd into MDL0355801 - Rpkgd into MDL0355802 - Rpkgd into MDL0355803 - Rpkgd into MDL0355804 - Rpkgd into MDL0355805	TRUE	TRUE	TRUE					
1457	MDL0355802	SWB	EMPLACED_CNTR	2/17/2012 15:57	10/21/2011 8:30	mccabed	SR-MD-HET	SS400			9/27/2011		9/27/2011				- Rpkgd was MDL03558	TRUE	TRUE	TRUE			MDL03558		Daughter
1458	MDL0355803	SWB	EMPLACED_CNTR	2/18/2012 13:12	10/21/2011 8:31	mccabed	SR-MD-HET	SS400			9/27/2011		9/27/2011				- Rpkgd was MDL03558	TRUE	TRUE	TRUE			MDL03558		Daughter
1459	MDL0355804	SWB	EMPLACED_CNTR	1/17/2012 10:41	10/21/2011 8:31	mccabed	SR-MD-HET	SS400			9/27/2011		9/27/2011				- Rpkgd was MDL03558	TRUE	TRUE	TRUE			MDL03558		Daughter
1460	MDL0355805	SWB	EMPLACED_CNTR	1/17/2012 10:41	10/21/2011 8:32	mccabed	SR-MD-HET	SS400			9/27/2011		9/27/2011				- Rpkgd was MDL03558	TRUE	TRUE	TRUE			MDL03558		Daughter
1461	MDL039635	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			9/29/1999		9/29/1999		3/23/2000			TRUE	TRUE	TRUE					
1462	MDL039666	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			10/12/1999		10/12/1999		4/5/2000			TRUE	TRUE	TRUE					
1463	MDL039683	Steel Box			10/21/2011 8:40	mccabed	SR-MD-HET	SS400			9/29/1999	10/11/2011	9/29/1999	10/11/2011			- Rpkgd into MDL3968301	TRUE	TRUE	TRUE					
1464	MDL039685	Steel Box			4/28/2011 6:00	WWIS_Upd	SR-MD-HET	SS400			9/29/1999		9/29/1999		3/23/2000			TRUE	TRUE	TRUE					
1465	MDL039686	Steel Box			11/30/2011 15:22	mccabed	SR-MD-HET	SS400			9/29/1999	10/19/2011	9/29/1999	10/19/2011			- Rpkgd into MDL3968601 - Rpkgd into MDL3968602 - Rpkgd into MDL3968603 - Rpkgd into MDL3968604	TRUE	TRUE	TRUE					
1466	MDL039684	Steel Box			11/11/2011 8:52	mccabed	SR-MD-HET	SS400			9/29/1999	10/21/2011	9/29/1999	10/21/2011			- Rpkgd into MDL3968801 - Rpkgd into MDL3968802 - Rpkgd into MDL3968803	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1467	MDL039892	Steel Box			4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400			9/29/1999		9/29/1999		3/23/2000			TRUE	TRUE	TRUE					
1468	MDL0500053	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2008	6/3/2004										
1469	MDL0500775	SSG	APPROVED_SHIP		4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400			2/26/2004		2/26/2004					TRUE	TRUE	TRUE					
1470	MDL0503489	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	V&P Vent	0	1/8/2004	1/8/2004	1/8/2004	3/25/2008	7/2/2004										
1471	MDL0504466	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	V&P Vent	0	3/25/2004	3/25/2004	3/25/2004	3/25/2008	9/17/2004										
1472	MDL0504561	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	Remediate	1	12/14/2003	2/18/2008	12/14/2003	2/18/2008	6/7/2004										
1473	MDL0505354	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2008	6/3/2004										
1474	MDL0506582	SSG	APPROVED_CERT		2/29/2012 14:40	mccabed	SR-MD-HET	S5400		0	4/20/2005		4/20/2005			ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010; Changed WS to SR-MD-HET from SR-MD-SOIL per DR018 sent by MP300 022712.		TRUE	TRUE	TRUE					
1475	MDL0518004	SWB	EMPLACED_CNTR	12/16/2012 11:17	8/3/2012 13:22	mccabed	SR-MD-HET	S5400			6/30/2005	7/28/2012	6/30/2005	7/28/2012		221-F-55078 TRU Waste Container Remediation		TRUE	FALSE	TRUE					
1476	MDL0518006	SWB	EMPLACED_CNTR	1/5/2013 14:14	5/6/2012 10:51	mccabed	SR-MD-HET	S5400			6/6/2005		6/6/2005					TRUE	FALSE	TRUE					
1477	MDL211326A	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400		1	5/19/2008		5/19/2008		11/11/2008			TRUE	TRUE	TRUE					
1478	MDL3017934	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400		1	5/22/2008		5/22/2008		11/14/2008	Contains PCBs greater than 50 ppm and is regulated as a TSCA waste. Simmons, 4/16/08		TRUE	TRUE	TRUE					
1479	MDL310301A	SLB2	EMPLACED_CNTR	8/10/2013 13:40	11/13/2012 15:50	mccabed	SR-MD-HET	S5400			1/25/2012		1/25/2012	10/31/2012		Created w/o a procedure per DLambert email 032212.	- Rpkgd was MDL0310301 - Rpkgd into MDL310301B	TRUE	TRUE	TRUE					
1480	MDL310301B	SSG	EMPLACED_CNTR	10/25/2012 15:30	3/22/2012 14:29	mccabed	SR-MD-HET	S5400			1/25/2012		1/25/2012				- Rpkgd was MDL0310301 - Rpkgd was MDL310301A	TRUE	TRUE	TRUE			MDL310301A	MDL0310301	Repack
1481	MDL310308A	SLB2	APPROVED_CERT		6/23/2012 22:24	mccabed	SR-MD-HET	S5400			1/24/2012		1/24/2012	6/11/2012			- Rpkgd was MDL0310308	TRUE	TRUE	TRUE			MDL310308		Repack
1482	MDL310308B	SSG	EMPLACED_CNTR	6/24/2012 13:25	3/22/2012 11:51	mccabed	SR-MD-HET	S5400	None		1/24/2012	2/1/2012	1/24/2012	2/1/2012		221-F-55006	- Rpkgd was MDL0310308	TRUE	TRUE	TRUE			MDL310308		Repack
1483	MDL310825B	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/8/2012 15:42	mccabed	SR-MD-HET	S5400	Remediation		5/1/2012		5/1/2012			Non-vented 55g placed into 85g drum per 221-F-55078; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310825	TRUE	TRUE	TRUE			MDL0310825		Daughter
1484	MDL310825C	SSG	EMPLACED_CNTR	9/27/2012 10:33	5/22/2012 10:52	mccabed	SR-MD-HET	S5400			1/18/2012	5/15/2012	1/18/2012	5/15/2012		Non-vented 55g placed into 85g drum per 221-F-55078; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310825	TRUE	TRUE	TRUE			MDL0310825		Daughter
1485	MDL310825E	SSG	EMPLACED_CNTR	12/19/2012 12:49	5/8/2012 15:20	mccabed	SR-MD-HET	S5400			5/2/2012		5/2/2012			Non-vented 55g placed into 85g drum per 221-F-55078; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310825	TRUE	TRUE	TRUE			MDL0310825		Daughter
1486	MDL310831A	SSG	EMPLACED_CNTR	9/27/2012 10:33	5/18/2012 17:13	mccabed	SR-MD-HET	S5400			1/9/2012	5/9/2012	1/9/2012	5/9/2012		Contains prohibited item per Scott Crain email 030812; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310831	TRUE	TRUE	TRUE			MDL0310831		Daughter
1487	MDL310831B	SWB	EMPLACED_CNTR	6/1/2012 13:05	1/8/2012 18:59	mccabed	SR-MD-HET	S5400			1/9/2012		1/9/2012				- Rpkgd was MDL0310831	TRUE	TRUE	TRUE			MDL0310831		Daughter
1488	MDL310831F	SSG	EMPLACED_CNTR	11/4/2012 13:30	5/8/2012 15:46	mccabed	SR-MD-HET	S5400			5/2/2012		5/2/2012			Un-vented 55 gal placed inside an 85 gal drum; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310831 - Rpkgd was MDL310831C - Rpkgd into MDL310831H	TRUE	TRUE	TRUE					
1489	MDL310831G	SSG	EMPLACED_CNTR	9/27/2012 10:33	5/22/2012 10:54	mccabed	SR-MD-HET	S5400			1/25/2012	5/15/2012	1/25/2012	5/15/2012		Un-vented 55 gal placed inside an 85 gal drum; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was MDL0310831 - Rpkgd was MDL310831C	TRUE	TRUE	TRUE			MDL310831C		Daughter
1490	MDL310831H	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/8/2012 15:45	mccabed	SR-MD-HET	S5400			5/2/2012		5/2/2012				- Rpkgd was MDL0310831 - Rpkgd was MDL310831C - Rpkgd was MDL310831F	TRUE	TRUE	TRUE			MDL310831F	MDL310831C	Daughter
1491	MDL314195A	SSG	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-HET	S5400			4/7/2008		4/7/2008					TRUE	TRUE	TRUE					
1492	MDL3968301	SLB2	APPROVED_CERT		3/14/2012 14:24	mccabed	SR-MD-HET	S5400			10/11/2011		10/11/2011	10/11/2011		MDL039683 is in AK-note the zero is dropped due to 10 character limit	- Rpkgd was MDL039683	TRUE	TRUE	TRUE			MDL039683		Repack
1493	MDL3968501	SWB	APPROVED_CERT		6/14/2012 14:33	mccabed	SR-MD-HET	S5400			10/13/2011		10/13/2011			Added per JMontoya email 061412.		TRUE	FALSE	FALSE	NA				
1494	MDL3968503	SWB	APPROVED_CERT		6/14/2012 14:31	mccabed	SR-MD-HET	S5400			10/13/2011		10/13/2011			Added per JMontoya email 061412.		TRUE	FALSE	TRUE	NA				
1495	MDL3968601	SWB	EMPLACED_CNTR	6/2/2012 12:56	11/30/2011 15:15	mccabed	SR-MD-HET	S5400			10/19/2011		10/19/2011				- Rpkgd was MDL039686	TRUE	TRUE	TRUE			MDL039686		Repack
1496	MDL3968801	SWB	EMPLACED_CNTR	3/2/2012 10:15	11/11/2011 8:51	mccabed	SR-MD-HET	S5400			10/21/2011		10/21/2011			Dropped zero on daughter container due to 10 character limit.	- Rpkgd was MDL039688	TRUE	TRUE	TRUE			MDL039688		Daughter
1497	MDL3968802	SWB	EMPLACED_CNTR	3/2/2012 10:15	11/11/2011 8:52	mccabed	SR-MD-HET	S5400			10/21/2011		10/21/2011			Dropped zero on daughter container due to 10 character limit.	- Rpkgd was MDL039688	TRUE	TRUE	TRUE			MDL039688		Daughter
1498	MDL3968803	SWB	EMPLACED_CNTR	4/4/2012 15:23	11/11/2011 8:52	mccabed	SR-MD-HET	S5400			10/21/2011		10/21/2011			Dropped zero on daughter container due to 10 character limit.	- Rpkgd was MDL039688	TRUE	TRUE	TRUE			MDL039688		Daughter
1499	WMAPSLB008	SLB2	APPROVED_CERT		10/15/2012 16:23	mccabed	SR-MD-HET	S5400		1	4/27/2012		4/27/2012	10/8/2012		Inner container is MDL02507; WS changed per JHarrison email 072412; Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013	- Rpkgd was MDL02507	TRUE	TRUE	TRUE			MDL02507		NA
1500	WMAPSLB009	SLB2	EMPLACED_CNTR	6/21/2013 11:16	10/15/2012 16:26	mccabed	SR-MD-HET	S5400			4/27/2012		4/27/2012	10/1/2012		Inner container is MDL02530; Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013	- Rpkgd was MDL02530	TRUE	TRUE	TRUE			MDL02530		NA
1501	WMAPSLB010	SLB2	EMPLACED_CNTR	12/16/2012 9:59	10/15/2012 16:29	mccabed	SR-MD-HET	S5400			4/27/2012		4/27/2012	10/2/2012		Inner container is MDL03541; Filter reconfiguration date: 10/2/2012; Reduced filter model: NFT-013	- Rpkgd was MDL03541	TRUE	TRUE	TRUE			MDL03541		NA
1502	WMAPSLB011	SLB2	EMPLACED_CNTR	1/9/2013 10:12	5/7/2012 20:03	mccabed	SR-MD-HET	S5400			5/1/2012		5/1/2012	5/1/2012		Removed lid from MDL02553 and placed with MSB into SLB2 per SW15.3-SOP-LCNLL-01.	- Rpkgd was MDL02553	TRUE	TRUE	TRUE			MDL02553		Repack
1503	WMAPSLB013	SLB2	EMPLACED_CNTR	7/10/2013 13:38	10/15/2012 16:31	mccabed	SR-MD-HET	S5400			5/1/2012		5/1/2012	10/4/2012		Removed lid from MDL03528 and placed with MSB into SLB2 per SW15.3-SOP-LCNCC-01; Filter reconfiguration date: 10/4/2012; Reduced filter model: NFT-013	- Rpkgd was MDL03528	TRUE	TRUE	TRUE			MDL03528		Repack
1504	WMAPSLB014	SLB2	EMPLACED_CNTR	3/17/2013 15:58	5/7/2012 20:06	mccabed	SR-MD-HET	S5400			5/2/2012		5/2/2012	5/2/2012		Removed lid from MDL0310302 and placed with MSB into SLB2 per SW15.3-SOP-LCNLL-01.	- Rpkgd was MDL0310302	TRUE	TRUE	TRUE			MDL0310302		Repack
1505	WMAPSLB017	SLB2	EMPLACED_CNTR	11/20/2012 12:42	7/24/2012 16:33	mccabed	SR-MD-HET	S5400			5/4/2012		5/4/2012	5/4/2012		Steel Box MDL0310300 loaded per SW15.3-SOP-LCNCC-01.	- Rpkgd was MDL0310300	TRUE	TRUE	TRUE			MDL0310300		NA
1506	WMAPSWB560	SWB	APPROVED_CERT		10/17/2012 10:24	mccabed	SR-MD-HET	S5400			10/17/2012		10/17/2012			Will Not be repackaged prior to characterization per DLambert email 101712.	- Rpkgd was MDL02560 / Repacked was MDL02560F / Repacked was MDL02560G	FALSE	FALSE	FALSE					
1507	WMAPSWB569	SWB			12/19/2012 17:40	mccabed	SR-MD-HET	S5400			12/4/2012		12/4/2012			MDL02513 repackaged per 221-F-55078; 221-F-55006 Tru Drum Repackaging	- Rpkgd was MDL02513 / Repacked was MDL02513D / Repacked was MDL02513E								
1508	WMAPSWB570	SWB	APPROVED_CERT		12/11/2012 16:44	mccabed	SR-MD-HET	S5400			12/6/2012		12/6/2012			Tru Waste Remediation 221-F-55078	- Rpkgd was MDL02560 / Repacked was MDL02560B / Repacked was MDL02560C								
1509	WMAPSWB573	SWB	APPROVED_CERT		12/11/2012 16:45	mccabed	SR-MD-HET	S5400			12/6/2012		12/6/2012			Tru Waste Remediation 221-F-55078	- Rpkgd was MDL02560 / Repacked was MDL02560D / Repacked was MDL02560E								
1510	MDL011336	SSG	EMPLACED_CNTR	4/13/2011 22:02	1/25/2013 14:49	mccabed	SR-MD-HOM-A	S3113	V&P Vent	0	5/5/1984	5/5/1984	5/5/1984	4/30/2006		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1511	MDL016237	BSG	EMPLACED_CNTR	4/4/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	S3113			6/3/1992		6/3/1992		11/26/1992	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1512	MDL016280	SSG	EMPLACED_CNTR	4/4/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	S3113			5/18/1988		5/18/1984		11/10/1988	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1513	MDL016440	SSG	EMPLACED_CNTR	4/13/2011 22:02	1/25/2013 14:51	mccabed	SR-MD-HOM-A	S3113	V&P Vent	0	5/18/1988	5/18/1988	5/18/1988	5/12/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1514	MDL0202746	BSG	EMPLACED_CNTR	4/13/2011 22:02	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	S3113			9/4/2002		9/4/2002		2/27/2003	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1515	MDL022749	BSG	EMPLACED_CNTR	4/13/2011 22:02	1/25/2013 14:52	mccabed	SR-MD-HOM-A	S3113	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	2/12/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1516	MDL026261	SSG	EMPLACED_CNTR	4/4/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	53113			3/19/1986		3/19/1986		9/11/1986	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1517	MDL026262	SSG	EMPLACED_CNTR	4/4/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	53113	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	9/9/2007	2/27/2003	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1518	MDL026265	SSG	EMPLACED_CNTR	4/13/2011 22:02	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	53113			9/4/2002		9/4/2002		2/27/2003	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1519	MDL026278	SSG	EMPLACED_CNTR	4/13/2011 22:02	1/25/2013 14:53	mccabed	SR-MD-HOM-A	53113	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	9/9/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1520	MDL026279	SSG	EMPLACED_CNTR	4/13/2011 22:02	4/28/2011 6:00	WWIS_Updt	SR-MD-HOM-A	53113	V&P Vent	0	5/2/1984	5/2/1984	5/2/1984	2/3/2008	10/15/1984	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1521	MDL0502414	SSG	EMPLACED_CNTR	5/12/2012 13:58	10/18/2011 15:48	mccabed	SR-MD-HOM-C	53110	V&P Vent	0	4/15/2004	4/15/2004	4/15/2004	2/12/2008				TRUE	TRUE	TRUE					
1522	MDL0502419	SSG	EMPLACED_CNTR	5/12/2012 13:59	10/18/2011 15:49	mccabed	SR-MD-HOM-C	53110	Remediate	1	10/2/2003	8/6/2008	10/2/2003	8/6/2008				TRUE	TRUE	TRUE					
1523	MDL0502428	SSG	EMPLACED_CNTR	5/12/2012 13:59	10/18/2011 15:50	mccabed	SR-MD-HOM-C	53110		0	8/27/2003		8/27/2003					TRUE	TRUE	TRUE					
1524	SR46006Y	FRP			5/6/2012 9:33	mccabed	SR-MD-PAD1	55400			4/15/1971	4/16/2012		4/16/2012			- Rpkgd into SR46006YA - Rpkgd into SR46006YB - Rpkgd into SR46006YC	TRUE	TRUE	TRUE					
1525	SR46006YA	SWB	EMPLACED_CNTR	8/18/2012 9:59	5/6/2012 9:33	mccabed	SR-MD-PAD1	55400			4/16/2012		4/16/2012				- Rpkgd was SR46006Y	TRUE	TRUE	TRUE			SR46006Y		Daughter
1526	SR46006YB	SWB	EMPLACED_CNTR	8/18/2012 9:49	5/6/2012 9:33	mccabed	SR-MD-PAD1	55400			4/16/2012		4/16/2012				- Rpkgd was SR46006Y	TRUE	TRUE	TRUE			SR46006Y		Daughter
1527	SR46006YC	SWB	EMPLACED_CNTR	11/29/2012 13:57	5/6/2012 9:33	mccabed	SR-MD-PAD1	55400			4/16/2012		4/16/2012				- Rpkgd was SR46006Y	TRUE	TRUE	TRUE			SR46006Y		Daughter
1528	SR46006Z	FRP			5/6/2012 9:35	mccabed	SR-MD-PAD1	55400			4/15/1971	4/16/2012		4/16/2012			- Rpkgd into SR46006ZA - Rpkgd into SR46006ZB - Rpkgd into SR46006ZC	TRUE	TRUE	TRUE					
1529	SR46006ZA	SWB	EMPLACED_CNTR	12/12/2012 10:51	5/6/2012 9:35	mccabed	SR-MD-PAD1	55400			4/16/2012		4/16/2012				- Rpkgd was SR46006Z	TRUE	TRUE	TRUE			SR46006Z		Daughter
1530	SR46006ZB	SWB	EMPLACED_CNTR	12/1/2012 10:08	5/6/2012 9:37	mccabed	SR-MD-PAD1	55400			4/14/2012		4/14/2012				- Rpkgd was SR46006Z	TRUE	TRUE	TRUE			SR46006Z		Daughter
1531	SR46006ZC	SWB	EMPLACED_CNTR	11/30/2012 15:18	5/6/2012 9:38	mccabed	SR-MD-PAD1	55400			4/14/2012		4/14/2012				- Rpkgd was SR46006Z	TRUE	TRUE	TRUE			SR46006Z		Daughter
1532	SR46007YA	SWB	APPROVED_CERT		7/18/2012 7:37	mccabed	SR-MD-PAD1	55400			5/29/2012		5/29/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46007Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46007Y		Repack
1533	SR46007YB	SWB	EMPLACED_CNTR	11/19/2012 15:18	7/18/2012 7:37	mccabed	SR-MD-PAD1	55400			5/29/2012		5/29/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46007Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46007Y		Repack
1534	SR46007YC	SWB	EMPLACED_CNTR	10/28/2012 14:27	7/18/2012 7:38	mccabed	SR-MD-PAD1	55400			5/29/2012		5/29/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46007Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46007Y		Repack
1535	SR46007ZA	SWB	EMPLACED_CNTR	12/7/2012 9:32	7/18/2012 7:39	mccabed	SR-MD-PAD1	55400			5/29/2012		5/29/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46007Z	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46007Z		Repack
1536	SR46007ZB	SWB	EMPLACED_CNTR	10/30/2012 10:36	7/18/2012 7:40	mccabed	SR-MD-PAD1	55400			5/29/2012		5/29/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46007Z	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46007Z		Repack
1537	SR46008A	SLB2			6/25/2013 9:08	mccabed	SR-MD-PAD1	55400			9/13/2012		9/13/2012	5/14/2013		PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971; Filter reconfiguration date: 5/14/2013; Reduced filter model: NFT-013	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1538	SR46008B	SLB2	APPROVED_CERT		11/13/2012 15:51	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012	11/7/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971; Filter reconfiguration date: 11/7/2012; Reduced filter model: NFT-013.	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1539	SR46008C	SWB	EMPLACED_CNTR	4/28/2013 14:55	10/4/2012 9:07	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971.	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1540	SR46008D	SWB	EMPLACED_CNTR	4/28/2013 14:55	10/4/2012 9:07	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971.	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1541	SR46008E	SWB	EMPLACED_CNTR	5/3/2013 15:01	10/4/2012 9:08	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971.	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1542	SR46008F	SWB	APPROVED_CERT		10/4/2012 9:08	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971.	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1543	SR46008G	SWB	APPROVED_CERT		10/4/2012 9:09	mccabed	SR-MD-PAD1	55400			9/14/2012		9/14/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Plywood box (FRP) was mined out of a culvert and placed into a SLB2; Parent generation date: 6/30/2011; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013	- Rpkgd was SR46008	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46008		Daughter
1544	SR46009H	SLB2	APPROVED_CERT		10/15/2012 14:25	mccabed	SR-MD-PAD1	55400	Remediation		4/4/2012		4/4/2012	9/5/2012				TRUE	TRUE	TRUE	Yes	5/26/2010			
1545	SR46009I	SSG	EMPLACED_CNTR	11/16/2011 8:51	8/25/2011 18:27	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/18/2011		8/18/2011				TRUE	TRUE	TRUE					
1546	SR46009J	SSG	EMPLACED_CNTR	1/10/2012 12:58	10/19/2011 20:06	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/21/2011		9/21/2011				TRUE	TRUE	TRUE					
1547	SR46009K	SSG	EMPLACED_CNTR	6/24/2012 13:24	4/10/2012 13:48	mccabed	SR-MD-PAD1	55400	None		4/15/1971	4/2/2012		4/2/2012		Tru Drum Repacking 221-F-55006.		TRUE	TRUE	TRUE					
1548	SR46009L	SSG	EMPLACED_CNTR	12/1/2011 13:26	10/5/2011 12:01	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/27/2011		9/27/2011				TRUE	TRUE	TRUE					
1549	SR46009M	SSG	EMPLACED_CNTR	12/14/2011 14:22	9/8/2011 16:42	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/31/2011		8/31/2011				TRUE	TRUE	TRUE					
1550	SR46009N	SSG	EMPLACED_CNTR	12/20/2011 12:47	9/8/2011 16:43	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/31/2011		8/31/2011				TRUE	TRUE	TRUE					
1551	SR46009O	SSG	EMPLACED_CNTR	11/16/2011 8:53	8/25/2011 18:39	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/23/2011		8/23/2011				TRUE	TRUE	TRUE					
1552	SR46009P	SSG	EMPLACED_CNTR	12/16/2011 13:49	10/19/2011 20:08	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/29/2011		9/29/2011			- Rpkgd into SR46009PA	TRUE	TRUE	TRUE					
1553	SR46009PA	SSG	EMPLACED_CNTR	12/16/2011 13:47	10/19/2011 20:08	mccabed	SR-MD-PAD1	55400	None		9/29/2011		9/29/2011				- Rpkgd was SR46009P	TRUE	TRUE	TRUE			SR46009P		Daughter
1554	SR46009Q	SSG	EMPLACED_CNTR	11/18/2011 11:02	9/19/2011 16:03	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/12/2011		9/12/2011				TRUE	TRUE	TRUE					
1555	SR46009R	SSG	EMPLACED_CNTR	12/20/2011 12:47	9/8/2011 7:44	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/31/2011		8/31/2011				TRUE	TRUE	TRUE					
1556	SR46009S	SSG	EMPLACED_CNTR	7/10/2012 10:05	4/10/2012 13:49	mccabed	SR-MD-PAD1	55400	None		4/15/1971	4/2/2012		4/2/2012		Tru Drum Repacking 221-F-55006.		TRUE	TRUE	TRUE					
1557	SR46009T	SSG	EMPLACED_CNTR	11/16/2011 8:53	8/25/2011 18:40	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/23/2011		8/23/2011				TRUE	TRUE	TRUE					
1558	SR46009U	SSG	EMPLACED_CNTR	10/14/2012 10:29	9/26/2011 9:58	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/20/2011		9/20/2011				TRUE	TRUE	TRUE					
1559	SR46009V	SSG	EMPLACED_CNTR	12/11/2011 11:07	10/19/2011 20:08	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/22/2011		9/22/2011				TRUE	TRUE	TRUE					
1560	SR46009W	SSG	EMPLACED_CNTR	12/14/2011 14:20	9/6/2011 7:45	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/30/2011		8/30/2011				TRUE	TRUE	TRUE					
1561	SR46009X	SSG	EMPLACED_CNTR	6/27/2012 13:15	4/10/2012 13:50	mccabed	SR-MD-PAD1	55400	None		4/15/1971	4/3/2012		4/3/2012		Tru Drum Repacking 221-F-55006.		TRUE	TRUE	TRUE					
1562	SR46009Y	SSG	EMPLACED_CNTR	11/16/2011 8:53	8/25/2011 18:40	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/22/2011		8/22/2011				TRUE	TRUE	TRUE					
1563	SR46009Z	SSG	EMPLACED_CNTR	11/16/2011 8:53	8/30/2011 17:21	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/24/2011		8/24/2011				TRUE	TRUE	TRUE					
1564	SR46010P	FRP			5/6/2012 9:40	mccabed	SR-MD-PAD1	55400			4/15/1971	4/10/2012		4/10/2012			- Rpkgd into SR46010PA - Rpkgd into SR46010PB - Rpkgd into SR46010PC Rpkgd into SR46010PD - Rpkgd into SR46010PE	TRUE	TRUE	TRUE					
1565	SR46010PB	SWB	EMPLACED_CNTR	9/27/2012 13:24	5/6/2012 9:39	mccabed	SR-MD-PAD1	55400			4/10/2012		4/10/2012				- Rpkgd was SR46010P	TRUE	TRUE	TRUE			SR46010P		Daughter
1566	SR46010PC	SWB	EMPLACED_CNTR	9/26/2012 13:28	5/6/2012 9:40	mccabed	SR-MD-PAD1	55400			4/10/2012		4/10/2012				- Rpkgd was SR46010P	TRUE	TRUE	TRUE			SR46010P		Daughter
1567	SR46010PD	SWB	EMPLACED_CNTR	11/29/2012 13:58	5/6/2012 9:40	mccabed	SR-MD-PAD1	55400			4/10/2012		4/10/2012				- Rpkgd was SR46010P	TRUE	TRUE	TRUE			SR46010P		Daughter
1568	SR46010Q	SSG	EMPLACED_CNTR	11/28/2012 10:52	9/29/2011 10:10	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/23/2011		9/23/2011				TRUE	TRUE	TRUE					
1569	SR46010R	SSG	EMPLACED_CNTR	12/11/2011 11:07	10/5/2011 13:12	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/30/2011		9/30/2011				TRUE	TRUE	TRUE					
1570	SR46010S	SSG	EMPLACED_CNTR	12/11/2011 11:05	10/11/2011 15:12	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/6/2011		10/6/2011				TRUE	TRUE	TRUE					
1571	SR46010T	SSG	EMPLACED_CNTR	12/11/2011 11:05	10/18/2011 18:01	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/14/2011		10/14/2011			- Rpkgd into SR46010TA	TRUE	TRUE	TRUE					
1572	SR46010TA	SSG	EMPLACED_CNTR	12/11/2011 11:07	10/18/2011 18:01	mccabed	SR-MD-PAD1	55400	None		10/14/2011		10/14/2011				- Rpkgd was SR46010T	TRUE	TRUE	TRUE			SR46010T		Daughter
1573	SR46010U	SSG	EMPLACED_CNTR	12/11/2011 11:07	10/11/2011 15:13	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/6/2011		10/6/2011				TRUE	TRUE	TRUE					
1574	SR46010V	SSG	EMPLACED_CNTR	11/16/2011 8:53	9/29/2011 10:07	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/22/2011		9/22/2011				TRUE	TRUE	TRUE					
1575	SR46010W	SSG	APPROVED_CERT		4/19/2012 13:47	mccabed	SR-MD-PAD1	55400	Vent		4/15/1971	4/4/2012	8/24/2011	4/4/2012		221-F-55006 Tru Drum Repacking.		TRUE	TRUE	TRUE					
1576	SR46010X	SSG	EMPLACED_CNTR	12/11/2011 11:05	10/4/2011 14:30	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/4/2011		10/4/2011				TRUE	TRUE	TRUE					
1577	SR46010Y	SSG	EMPLACED_CNTR	12/14/2011 13:50	10/5/2011 13:17	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/26/2011		9/26/2011				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1578	SR46010YH	SSG	EMPLACED_CNTR	7/21/2012 10:34	5/18/2012 16:30	mccabed	SR-MD-PAD1	55400			10/18/2011		10/18/2011			Potential Prohibited Item: sealed containers	Parent is SR46010Y which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
1579	SR46010Z	SSG	EMPLACED_CNTR	12/11/2011 11:05	10/6/2011 14:29	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/4/2011		10/4/2011				TRUE	TRUE	TRUE					
1580	SR46011U	FRP			5/6/2012 9:43	mccabed	SR-MD-PAD1	55400			4/15/1971	2/1/2012		2/1/2012		SW15.3-SOP-HTRU-02 lists ML6 as being the same container ID as SR46011U (Shipment Preparation for TRU containers to SWMF)	- Rpkgd into SR46011UA - Rpkgd into SR46011UD - Rpkgd into SR46011UB - Rpkgd into SR46011UC	TRUE	TRUE	TRUE					
1581	SR46011UB	SWB	EMPLACED_CNTR	1/8/2013 10:33	5/6/2012 9:42	mccabed	SR-MD-PAD1	55400			2/1/2012		2/1/2012				- Rpkgd was SR46011U	TRUE	TRUE	TRUE			SR46011U		Daughter
1582	SR46011UC	SWB	EMPLACED_CNTR	6/17/2012 10:44	5/6/2012 9:43	mccabed	SR-MD-PAD1	55400			2/1/2012		2/1/2012				- Rpkgd was SR46011U	TRUE	TRUE	TRUE			SR46011U		Daughter
1583	SR46011V	SLB2	EMPLACED_CNTR	6/26/2013 13:05	5/24/2012 14:35	mccabed	SR-MD-PAD1	55400			7/13/2011		7/13/2011	5/18/2012		Filter reconfiguration date: 5/18/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
1584	SR46011W	SSG	EMPLACED_CNTR	1/10/2012 12:58	10/5/2011 13:13	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/30/2011		9/30/2011				TRUE	TRUE	TRUE					
1585	SR46011X	SSG	EMPLACED_CNTR	12/11/2011 11:05	10/5/2011 13:14	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/30/2011		9/30/2011				TRUE	TRUE	TRUE					
1586	SR46011Y	SSG	EMPLACED_CNTR	1/10/2012 12:58	10/6/2011 15:09	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/3/2011		10/3/2011				TRUE	TRUE	TRUE					
1587	SR46011Z	SSG	EMPLACED_CNTR	11/20/2012 14:31	10/12/2011 11:09	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/7/2011		10/7/2011				TRUE	TRUE	TRUE					
1588	SR46012	SLB2	EMPLACED_CNTR	12/27/2012 11:33	9/12/2012 16:02	mccabed	SR-MD-PAD1	55400	Remediation		4/4/2012		4/4/2012	8/24/2012		Plywood Box (FRP) removed from culvert and placed into SLB2; Parent generation date: 8/29/2011; Filter reconfiguration date: 8/24/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1589	SR46013	SLB2	APPROVED_CERT		9/12/2012 16:04	mccabed	SR-MD-PAD1	55400	Remediation		6/13/2012		6/13/2012	9/5/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Parent generation date: 10/28/2011; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1590	SR46014Y	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/15/2011 9:43	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	12/8/2011		12/8/2011				TRUE	TRUE	TRUE					
1591	SR46014Z	SLB2	APPROVED_SHIP		10/4/2012 9:13	mccabed	SR-MD-PAD1	55400			7/10/2012		7/10/2012	9/25/2012		SLB2 Loading Data Sheet (SW15.3-SOP-CUL-01); TRU Waste Container Remediation 221-F-55078; Filter reconfiguration date: 9/25/2012; Reduced filter model: NFT-013.		TRUE	TRUE	TRUE					
1592	SR46015Y	FRP			6/3/2012 8:18	mccabed	SR-MD-PAD1	55400			4/15/1971	5/8/2012		5/8/2012		PCB Waste PCB Article	- Rpkgd into SR46015YA - Rpkgd into SR46015YB - Rpkgd into SR46015YC	TRUE	TRUE	TRUE	Yes	5/26/2010			
1593	SR46015YA	SWB	EMPLACED_CNTR	9/25/2012 13:33	6/3/2012 8:17	mccabed	SR-MD-PAD1	55400			5/8/2012		5/8/2012			PCB Article; (Parent also known as TRCULML4)	- Rpkgd was SR46015Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46015Y		Daughter
1594	SR46015YB	SWB	EMPLACED_CNTR	4/17/2013 15:24	9/25/2012 10:24	mccabed	SR-MD-PAD1	55400			5/8/2012		5/8/2012			Changed to Non-PCB/Email J.Price 8/21/12; (Parent also known as TRCULML4)	- Rpkgd was SR46015Y	TRUE	TRUE	TRUE	NA		SR46015Y		Daughter
1595	SR46015YE	SWB	EMPLACED_CNTR	1/11/2013 14:51	9/19/2012 10:32	mccabed	SR-MD-PAD1	55400			9/13/2012		9/13/2012			PCB Article	- Rpkgd was SR46015Y - Rpkgd was SR46015YC	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46015YC	SR46015Y	Daughter
1596	SR46015Z	SLB2	EMPLACED_CNTR	10/26/2012 13:14	3/14/2012 14:26	mccabed	SR-MD-PAD1	55400			8/22/2011		8/22/2011	3/9/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter Reduction Date: 3/9/2012; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE					
1597	SR46016V	SSG	EMPLACED_CNTR	2/25/2012 13:58	10/6/2011 14:31	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/4/2011		10/4/2011				TRUE	TRUE	TRUE					
1598	SR46016X	SSG	EMPLACED_CNTR	5/17/2012 14:17	1/23/2012 17:17	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	1/18/2012		1/18/2012				TRUE	TRUE	TRUE					
1599	SR46016Y	SSG	EMPLACED_CNTR	11/15/2012 14:47	10/18/2011 17:31	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/13/2011		10/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1600	SR46016Z	SLB2	APPROVED_CERT		10/26/2012 12:41	mccabed	SR-MD-PAD1	55400	Remediation		4/11/2012		4/11/2012	10/9/2012		Plywood box (FRP) removed from culvert and placed into SLB2; TRU Waste Container Remediation 221-F-55078; Parent generation date: 9/7/2011; Filter Filter reconfiguration date: 10/9/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1601	SR46017	SLB2	EMPLACED_CNTR	11/30/2012 14:39	5/24/2012 14:37	mccabed	SR-MD-PAD1	55400			1/19/2012		1/19/2012	5/18/2012		PCB Waste PCB Article; TRCULML6; Filter reconfiguration date: 5/18/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE	Yes	5/26/2010			
1602	SR46018	FRP			6/3/2012 8:22	mccabed	SR-MD-PAD1	55400			4/15/1971	5/15/2012		5/15/2012		PCB Waste PCB Article	- Rpkgd into SR46018A - Rpkgd into SR46018B - Rpkgd into SR46018C	TRUE	TRUE	TRUE	Yes	5/26/2010			
1603	SR46018A	SWB	APPROVED_CERT		9/25/2012 10:35	mccabed	SR-MD-PAD1	55400			5/15/2012		5/15/2012			Changed to Non-PCB/Email J.Price 8/16/12; (Parent also known as TRCULML7)	- Rpkgd was SR46018	TRUE	TRUE	TRUE	NA		SR46018		Daughter
1604	SR46019	SLB2	APPROVED_CERT		10/15/2012 14:34	mccabed	SR-MD-PAD1	55400			7/17/2012		7/17/2012	10/1/2012		Plywood box (FRP) removed from culvert and placed into SLB2; 221-F-55078 Tru Drum Repackaging; Parent generation date: 10/14/2011; Filter Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1605	SR46020	SLB2	APPROVED_CERT		10/15/2012 14:36	mccabed	SR-MD-PAD1	55400			6/25/2012		6/25/2012	10/2/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Plywood box (FRP) removed from culvert and placed into SLB2; TRU Waste Container Remediation 221-F-55078; Parent generation date: 10/12/2011; Filter Filter reconfiguration date: 10/2/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE	Yes	5/26/2010			
1606	SR46021Y	FRP			6/3/2012 8:24	mccabed	SR-MD-PAD1	55400			4/15/1971	5/17/2012		5/17/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46021YA - Rpkgd into SR46021YB	TRUE	TRUE	TRUE	Yes	5/26/2010			
1607	SR46021YA	SWB	EMPLACED_CNTR	11/11/2012 13:06	6/3/2012 8:23	mccabed	SR-MD-PAD1	55400			5/17/2012		5/17/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; (Parent also known as TRCULML10)	- Rpkgd was SR46021Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46021Y		Daughter
1608	SR46021Z	SLB2	APPROVED_CERT		7/16/2012 9:43	mccabed	SR-MD-PAD1	55400			8/24/2011		8/24/2011	6/28/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter reconfiguration date: 6/28/2012; Reduced filter model: NFT-013; Updated per JBiedscheid 071312.		TRUE	TRUE	TRUE					
1609	SR46022V	SSG	EMPLACED_CNTR	11/20/2010 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	4/26/2010		4/26/2010											
1610	SR46022X	SSG	EMPLACED_CNTR	6/10/2012 12:46	4/3/2012 17:02	mccabed	SR-MD-PAD1	55400	Remediation		1/25/2012	3/22/2012	1/25/2012	3/22/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1611	SR46022Y	SSG	APPROVED_CERT		6/6/2012 16:22	mccabed	SR-MD-PAD1	55400	Vent		4/15/1971	5/31/2012		5/31/2012		Changed to Non-PCB/Email J.Price 2/22/12; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	NA				
1612	SR46022Z	SLB2	EMPLACED_CNTR	12/11/2012 10:29	9/12/2012 16:05	mccabed	SR-MD-PAD1	55400	Remediation		4/13/2012		4/13/2012	4/13/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Parent generation date: 9/23/2011.	- Rpkgd into SR46022ZA - Rpkgd into SR46022ZB - Rpkgd into SR46022ZC	TRUE	TRUE	TRUE					
1613	SR46022ZA	SSG	EMPLACED_CNTR	11/4/2012 13:32	5/1/2012 21:05	mccabed	SR-MD-PAD1	55400	None		4/13/2012		4/13/2012				- Rpkgd was SR46022Z	TRUE	TRUE	TRUE			SR46022Z		Daughter
1614	SR46022ZC	SSG	EMPLACED_CNTR	12/15/2012 13:43	9/5/2012 9:44	mccabed	SR-MD-PAD1	55400	None		4/13/2012	8/23/2012	4/13/2012	8/23/2012		221-F-55006	- Rpkgd was SR46022Z - Rpkgd into SR46022ZE	TRUE	TRUE	TRUE					
1615	SR46022ZE	SSG	EMPLACED_CNTR	12/15/2012 13:44	9/5/2012 9:44	mccabed	SR-MD-PAD1	55400	None		8/23/2012		8/23/2012				- Rpkgd was SR46022Z - Rpkgd was SR46022ZC	TRUE	TRUE	TRUE			SR46022ZC	SR46022Z	Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1616	SR460235	SSG	EMPLACED_CNTR	11/18/2012 12:38	5/8/2012 16:54	mccabed	SR-MD-PAD1	S5400	Vent		4/15/1971	5/1/2012	9/15/2011	5/1/2012		Changed to Non-PCB/Email J Price 2/22/12; 221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE	NA				
1617	SR46023T	SSG	EMPLACED_CNTR	2/18/2012 8:55	12/1/2011 10:01	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/21/2011		11/21/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1618	SR46021U	SSG	EMPLACED_CNTR	11/18/2012 12:47	8/23/2012 13:37	mccabed	SR-MD-PAD1	S5400	None		4/15/1971	8/15/2012		8/15/2012		Changed to Non-PCB/Email J Price 2/22/12; 221-F-55006 Tru Drum Repackaging; If question arises about container type please see WDegraaf email 0823122		TRUE	TRUE	TRUE	NA				
1619	SR46023V	SSG	EMPLACED_CNTR	4/26/2013 14:53	10/9/2012 23:07	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	8/22/2012	8/22/2012	8/22/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per re-evaluation sent by MPapp 042012; 221-F-55006 Tru Drum Repackaging; Unexcluded per LWatson email 100912	- Rpkgd into SR46023VA - Rpkgd into SR46023VB	TRUE	TRUE	TRUE	Yes	5/26/2010			
1620	SR46023VA	SSG	EMPLACED_CNTR	8/1/2012 11:14	4/4/2012 8:24	mccabed	SR-MD-PAD1	S5400	None		3/22/2012		3/22/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46023V	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46023V		Daughter
1621	SR46023VB	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/9/2012 23:08	mccabed	SR-MD-PAD1	S5400	None		8/22/2012		8/22/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent Excluded per re-evaluation sent by MPapp 042012 Unexcluded per LWatson email 100912	- Rpkgd was SR46023V	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46023V		Daughter
1622	SR46023W	SSG	EMPLACED_CNTR	2/17/2012 15:57	11/17/2011 16:09	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/15/2011		11/15/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46023WA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1623	SR46023WA	SSG	EMPLACED_CNTR	2/17/2012 16:09	11/17/2011 16:09	mccabed	SR-MD-PAD1	S5400	None		11/15/2011		11/15/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46023W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46023W		Daughter
1624	SR46023X	SSG	EMPLACED_CNTR	2/17/2012 16:09	11/21/2011 9:33	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/16/2011		11/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1625	SR46023Y	SSG	EMPLACED_CNTR	2/18/2012 9:00	11/17/2011 16:18	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/14/2011		11/14/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1626	SR460237	SLB2	EMPLACED_CNTR	12/16/2012 10:29	5/1/2012 19:43	mccabed	SR-MD-PAD1	S5400			9/15/2011		9/15/2011	4/13/2012		Plywood box (FRP) removed from culvert and placed into SLB2; updated per JBieduched email 050112 Filter reconfiguration date: 4/13/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
1627	SR46024W	FRP			6/3/2012 8:26	mccabed	SR-MD-PAD1	S5400			4/15/1971	4/20/2012		4/20/2012			- Rpkgd into SR46024WA - Rpkgd into SR46024WB	TRUE	TRUE	TRUE					
1628	SR46024WB	SWB	EMPLACED_CNTR	4/27/2013 15:50	6/5/2012 11:36	mccabed	SR-MD-PAD1	S5400			4/20/2012		4/20/2012			Parent also known as TRCULML13; PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46024W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46024W		Daughter
1629	SR46024X	FRP			6/3/2012 8:27	mccabed	SR-MD-PAD1	S5400			4/15/1971	4/20/2012		4/20/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46024XA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1630	SR46024XA	SWB	EMPLACED_CNTR	1/11/2013 14:51	6/5/2012 8:27	mccabed	SR-MD-PAD1	S5400			4/20/2012		4/20/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; (Parent also known as TRCULML13)	- Rpkgd was SR46024X	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46024X		Daughter
1631	SR46024YA	SWB	APPROVED_CERT		7/18/2012 15:25	mccabed	SR-MD-PAD1	S5400			4/20/2012		4/20/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46024Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46024Y		Repack
1632	SR460242	FRP			6/3/2012 8:29	mccabed	SR-MD-PAD1	S5400			4/15/1971	4/20/2012		4/20/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR460242A	TRUE	TRUE	TRUE	Yes	5/26/2010			
1633	SR460242A	SWB	EMPLACED_CNTR	7/31/2012 13:46	6/3/2012 8:29	mccabed	SR-MD-PAD1	S5400			4/20/2012		4/20/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; (Parent also known as TRCULML13)	- Rpkgd was SR460242	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460242		Daughter
1634	SR46025	SLB2	EMPLACED_CNTR	6/30/2013 13:32	10/4/2011 9:13	mccabed	SR-MD-PAD1	S5400			11/10/2011		11/10/2011	9/25/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; SLB2 Loading Data Sheet SW15 3-SOP-CUL-01 filed on DIXON under SW15 3-SOP-SLB-02; Filter reconfiguration date: 9/25/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE	Yes	5/26/2010			
1635	SR460265	SSG	EMPLACED_CNTR	8/28/2011 9:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/7/2011		1/7/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1636	SR460265A	SSG	EMPLACED_CNTR	8/5/2012 13:35	5/18/2012 17:01	mccabed	SR-MD-PAD1	S5400			7/15/2011		7/15/2011			PCB Bulk Product Waste - Non Leachable; Potential Prohibited Items: sealed containers (cylinders)	Parent o SR460265 which is already EMPLACED	TRUE	FALSE	TRUE	Yes	5/26/2010			
1637	SR46026V	SSG	EMPLACED_CNTR	11/29/2012 14:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/11/2010		5/11/2010		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1638	SR46026Y	SSG	EMPLACED_CNTR	7/3/2012 14:12	4/24/2012 20:47	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	4/17/2012		4/17/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1639	SR46026Z	SLB2	EMPLACED_CNTR	8/15/2013 13:45	12/3/2012 10:27	mccabed	SR-MD-PAD1	S5400			9/26/2012		9/26/2012	10/24/2012		SLB2 Loading Data Sheet SW15 3-SOP-SLB-02; Parent Generation Date: 11/11/2011; Filter Reconfiguration Date: 10/24/2012; Reduced Filter Model: NFT-013; Changed to Non-PCB/Email LMartin 11/28/2012 via BSchrock email 120512	- Rpkgd into SR460262A	TRUE	TRUE	TRUE	NA				
1640	SR460262A	SWB			2/19/2013 15:19	mccabed	SR-MD-PAD1	S5400			9/26/2012	2/14/2013	9/26/2012	2/14/2013		PCB Waste PCB Article, NOP 221-H-8827	- Rpkgd was SR460262	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460262		Daughter
1641	SR460275	SSG	EMPLACED_CNTR	5/17/2012 14:17	10/24/2011 19:16	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/21/2011		10/21/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1642	SR46027T	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/24/2011 10:48	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/19/2011		10/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1643	SR46027U	SSG	EMPLACED_CNTR	4/27/2012 15:14	12/15/2011 10:21	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	12/6/2011		12/6/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46027UA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1644	SR46027UA	SSG	EMPLACED_CNTR	4/19/2012 15:09	12/15/2011 10:21	mccabed	SR-MD-PAD1	S5400	None		12/6/2011		12/6/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46027U	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46027U		Daughter
1645	SR46027V	SSG	EMPLACED_CNTR	3/31/2012 15:25	1/30/2012 15:55	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	1/25/2012		1/25/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1646	SR46027W	SSG	EMPLACED_CNTR	3/10/2012 12:47	10/24/2011 19:14	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/21/2011		10/21/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1647	SR46027X	SSG	EMPLACED_CNTR	6/2/2012 13:21	11/1/2011 13:36	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/27/2011		10/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1648	SR46027Y	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/18/2011 17:38	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/13/2011		10/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46027YA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1649	SR46027YA	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/18/2011 17:38	mccabed	SR-MD-PAD1	S5400	None		10/13/2011		10/13/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46027Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46027Y		Daughter
1650	SR46027ZA	SSG	EMPLACED_CNTR	8/8/2012 14:36	5/22/2012 10:56	mccabed	SR-MD-PAD1	S5400			1/24/2012	5/15/2012	1/24/2012	5/15/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR460277	TRUE	TRUE	TRUE			SR460277		Daughter
1651	SR46028Y	SSG	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/27/2011		1/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1652	SR46028YA	SSG	EMPLACED_CNTR	5/10/2011 21:15	4/28/2011 6:00	kkcwebuser	SR-MD-PAD1	S5400		0	1/27/2011		1/27/2011		7/22/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1653	SR46028Z	SLB2	APPROVED_CERT		10/15/2012 14:38	mccabed	SR-MD-PAD1	S5400			11/16/2011		11/16/2011	10/3/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter reconfiguration date: 10/3/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1654	SR46029Q	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/6/2011		1/6/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1655	SR46029S	SSG	EMPLACED_CNTR	4/10/2011 14:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/4/2011		1/4/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1656	SR46029T	SSG	EMPLACED_CNTR	4/3/2011 9:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/30/2010		12/30/2010		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	11/23/2010			
1657	SR46029X	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/15/2011 10:26	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	12/13/2011		12/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1658	SR46029Y	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/15/2011 10:25	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	12/12/2011		12/12/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46029YA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1659	SR46029YA	SSG	EMPLACED_CNTR	4/27/2012 15:14	12/15/2011 10:26	mccabed	SR-MD-PAD1	S5400	None		12/12/2011		12/12/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46029Y	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46029Y		Daughter
1660	SR46029Z	SLB2	APPROVED_CERT		10/26/2012 12:46	mccabed	SR-MD-PAD1	S5400			8/14/2012		8/14/2012	10/8/2012		221-F-55078 Remediation (FNF); 221-F-55078 Tru Waste Container Remediation (absorbed free liquids); Parent generation date: 4/15/2012; Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1661	SR46030V	SSG	EMPLACED_CNTR	3/31/2012 15:25	1/18/2012 17:18	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	1/4/2012		1/4/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1662	SR46030W	SSG	EMPLACED_CNTR	4/10/2012 15:09	1/18/2012 17:19	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	1/4/2012		1/4/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1663	SR46030X	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/15/2011 9:29	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	12/13/2011		12/13/2011		Contents Unknown (Not listed on Mound report); Changed to Non-PCB/E-mail J Price 12/7/11.		TRUE	TRUE	TRUE	NA				
1664	SR46030Y	SLB2	APPROVED_CERT		7/24/2012 16:27	mccabed	SR-MD-PAD1	S5400			10/4/2011		10/4/2011	7/10/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Plywood box (FRP) removed from culvert and placed into SLB2; Filter reconfiguration date: 7/10/2012; Filter Model: NFT-013; Updated per JBiedscheid 072412.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1665	SR46030Z	SLB2	APPROVED_CERT		7/16/2012 9:50	mccabed	SR-MD-PAD1	S5400			10/4/2011		10/4/2011	7/10/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Plywood Box (FRP) removed from culvert and placed into SLB2; Filter Reconfiguration Date: 7/10/2012; Filter Model: NFT-013; Updated per JBiedscheid 071312.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1666	SR46031S	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/26/2011 11:15	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/31/2010		3/31/2010		Changed to Non-PCB/ E-mail JPrice 9/06/11		TRUE	TRUE	TRUE	NA				
1667	SR46031T	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/5/2010		5/5/2010				TRUE	TRUE	TRUE					
1668	SR46031U	SSG	EMPLACED_CNTR	3/23/2011 19:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/12/2010		4/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1669	SR46031V	SSG	EMPLACED_CNTR	12/4/2011 10:27	10/26/2011 11:17	mccabed	SR-MD-PAD1	S5400	Remediate	2	4/15/1971	4/6/2010		4/6/2010		Changed to Non-PCB/ E-mail JPrice 8/18/11		TRUE	TRUE	TRUE					
1670	SR46031W	SSG	EMPLACED_CNTR	11/14/2012 14:36	10/26/2011 11:18	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/27/2010		4/27/2010		Changed to Non-PCB/ E-mail JPrice 8/18/11		TRUE	TRUE	TRUE					
1671	SR46031Z	SLB2	EMPLACED_CNTR	12/10/2012 12:45	6/23/2012 22:30	mccabed	SR-MD-PAD1	S5400			10/10/2011		10/10/2011	6/12/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter reconfiguration date: 6/12/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
1672	SR46032N	SSG	EMPLACED_CNTR	12/4/2011 10:27	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/27/2010		5/27/2010				TRUE	TRUE	TRUE					
1673	SR46032O	SSG	EMPLACED_CNTR	2/7/2011 19:09	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/16/2010		5/16/2010											
1674	SR46032P	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/20/2010		5/20/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1675	SR46032U	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/27/2011 16:18	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	6/8/2011		6/8/2011		Changed to Non-PCB/E-mail J. Price 8/18/11	- Rpkgd into SR46032UA	TRUE	TRUE	TRUE					
1676	SR46032UA	SSG	EMPLACED_CNTR	4/26/2013 14:53	9/13/2012 12:32	mccabed	SR-MD-PAD1	S5400	None	1	6/8/2011	8/6/2012	6/8/2011	8/6/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; WS removed per JHarrison email 012612; 221-F-55006 Tru Drum Repackaging; Added per LWatson 091312.	- Rpkgd was SR46032U - Rpkgd into SR46032UB	TRUE	TRUE	TRUE	Yes	5/26/2010			
1677	SR46032UB	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/9/2012 23:09	mccabed	SR-MD-PAD1	S5400	None		8/6/2012		8/6/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; WS removed from parent per JHarrison email 012612; Unexcluded and WS added per LWatson email 100912.	- Rpkgd was SR46032U - Rpkgd was SR46032UA	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46032UA	SR46032U	Daughter
1678	SR46032W	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/28/2010		5/28/2010											
1679	SR46032X	SSG	EMPLACED_CNTR	9/19/2011 23:50	6/15/2011 8:41	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	6/9/2011		6/9/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46032XA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1680	SR46032XA	SSG	EMPLACED_CNTR	10/8/2011 11:09	6/15/2011 8:41	mccabed	SR-MD-PAD1	S5400	None		6/9/2011		6/9/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46032X	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46032X		Daughter
1681	SR46032XB	SSG			5/18/2012 16:59		SR-MD-PAD1	S5400			7/26/2011		7/26/2011			PCB Bulk Product Waste - Non Leachable; Potential Prohibited Items: sealed container >4L	Parent is SR46032X which is already EMPLACED	TRUE	FALSE	TRUE	Yes	5/26/2010			
1682	SR46032Y	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/25/2010		5/25/2010											
1683	SR46032Z	SSG	EMPLACED_CNTR	11/15/2012 14:02	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/6/2010		6/6/2010				TRUE	TRUE	TRUE					
1684	SR460335	SSG	EMPLACED_CNTR	6/9/2012 10:58	5/18/2012 16:50	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	2/6/2012	9/13/2011	2/6/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR460335A	TRUE	TRUE	TRUE	Yes	5/26/2010			
1685	SR460335A	SSG	EMPLACED_CNTR	11/18/2012 12:38	5/18/2012 16:50	mccabed	SR-MD-PAD1	S5400	None		2/6/2012		2/6/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Potential Prohibited Item: sealed containers	- Rpkgd was SR460335	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460335		Daughter
1686	SR46033T	SSG	EMPLACED_CNTR	2/18/2013 9:41	11/15/2011 10:48	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/2/2011		11/2/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1687	SR46033TA	SSG	EMPLACED_CNTR	8/8/2012 14:36	5/18/2012 16:57	mccabed	SR-MD-PAD1	S5400			11/2/2011		11/2/2011			PCB Bulk Product Waste - Non Leachable; Potential Prohibited Item: sealed containers (capped pipes)	Parent is SR46033T which is already EMPLACED	TRUE	FALSE	TRUE	Yes	5/26/2010			
1688	SR46033U	SSG	EMPLACED_CNTR	2/17/2012 18:08	11/29/2011 7:19	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/21/2011		11/21/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1689	SR46033V	SSG	EMPLACED_CNTR	1/10/2012 12:47	11/17/2011 16:53	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/14/2011		11/14/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1690	SR46033W	SSG	EMPLACED_CNTR	4/26/2013 14:53	9/13/2012 12:28	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	8/7/2012	11/16/2011	8/7/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per BSchrock email 043012; 221-F-55006 Tru Drum Repackaging; Added back per LWatson 091312.	- Rpkgd into SR46033WA - Rpkgd into SR46033WB	TRUE	TRUE	TRUE	Yes	5/26/2010			
1691	SR46033WA	SSG	EMPLACED_CNTR	2/18/2013 9:00	11/21/2011 9:44	mccabed	SR-MD-PAD1	S5400	None		11/16/2011		11/16/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46033W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46033W		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1692	SR46033WB	55G	APPROVED_CERT		10/9/2012 23:11	mccabed	SR-MD-PAD1	S5400	None		8/7/2012		8/7/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent. Excluded per BSchrock email 043012; Unexcluded per LWatson email 100912	- Rpkgd was SR46033W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46033W		Daughter
1693	SR46033X	55G	EMPLACED_CNTR	5/17/2012 14:23	1/23/2012 17:15	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	1/17/2012		1/17/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1694	SR46033Y	55G	EMPLACED_CNTR	2/17/2012 15:57	11/15/2011 10:52	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/3/2011		11/3/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1695	SR46033Z	SLB2	EMPLACED_CNTR	8/16/2013 13:25	8/27/2012 18:14	mccabed	SR-MD-PAD1	S5400	Remediation		4/10/2012		4/10/2012	7/24/2012		Plywood box (FRP) removed from culvert and placed into SLB2; TRU Waste Container Remediation 221-F-55078; Parent Generation date: 9/12/2011; Filter reconfiguration date: 7/24/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1696	SR46034	SLB2	APPROVED_CERT		10/15/2012 14:43	mccabed	SR-MD-PAD1	S5400			8/21/2012		8/21/2012	10/8/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
1697	SR46035	SLB2	EMPLACED_CNTR	1/16/2013 15:01	4/2/2012 11:55	mccabed	SR-MD-PAD1	S5400			10/24/2011		10/24/2011	3/23/2012		Plywood box (FRP) removed from culvert and placed into SLB2; Filter Reduction Date: 3/23/2012; Reduced Filter Model: NFT-013.		TRUE	TRUE	TRUE					
1698	SR46036R	55G	EMPLACED_CNTR	10/14/2012 10:30	6/8/2011 16:45	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	5/31/2011		5/31/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1699	SR460365	55G	APPROVED_CERT		12/20/2012 14:06	mccabed	SR-MD-PAD1	S5400			4/15/1971	9/14/2012	7/12/2013	9/14/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per MPapp email 092512; 221-F-55001; Un-exclude per LWatson 122012.	- Rpkgd into SR460365A - Rpkgd into SR460365B	TRUE	TRUE	TRUE	Yes	5/26/2010			
1700	SR460365A	55G	APPROVED_CERT		3/11/2013 12:54	mccabed	SR-MD-PAD1	S5400			7/12/2012	9/25/2012	7/12/2013	9/25/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per MPapp email 092512; 221-F-55006 Tru Drum Repackaging; Un-exclude per LWatson 031113	- Rpkgd was SR460365 - Rpkgd into SR460365C	TRUE	TRUE	TRUE	Yes	5/26/2010			
1701	SR460365B	55G	APPROVED_CERT		12/20/2012 14:09	mccabed	SR-MD-PAD1	S5400			9/24/2012		9/24/2013			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent exclude per MPapp email 092512; Un-exclude per LWatson 122012.	- Rpkgd was SR460365	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460365		Daughter
1702	SR460365C	55G	APPROVED_CERT		12/20/2012 14:08	mccabed	SR-MD-PAD1	S5400			9/25/2012		9/25/2013			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent excluded per MPapp email 092512; Un-exclude per LWatson 122012.	- Rpkgd was SR460365 - Rpkgd was SR460365A	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460365A	SR460365	Daughter
1703	SR46036U	55G	EMPLACED_CNTR	10/8/2011 13:09	6/1/2011 10:30	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	5/27/2011		5/27/2011				TRUE	TRUE	TRUE					
1704	SR46036V	55G	EMPLACED_CNTR	2/26/2012 14:03	11/15/2011 10:44	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/1/2011		11/1/2011				TRUE	TRUE	TRUE					
1705	SR46036W	55G	EMPLACED_CNTR	8/8/2012 14:36	4/26/2012 16:20	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	4/20/2012	4/28/2011	4/20/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1706	SR46036X	55G	EMPLACED_CNTR	8/17/2011 0:03	6/13/2011 16:46	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	6/7/2011		6/7/2011			- Rpkgd into SR46036XA	TRUE	TRUE	TRUE					
1707	SR46036XA	55G	EMPLACED_CNTR	11/9/2011 22:36	6/13/2011 16:46	mccabed	SR-MD-PAD1	S5400	None		6/7/2011		6/7/2011				- Rpkgd was SR46036X	TRUE	TRUE	TRUE			SR46036X		Daughter
1708	SR46036Y	55G	EMPLACED_CNTR	10/14/2012 10:29	6/8/2011 16:46	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	5/31/2011		5/31/2011				TRUE	TRUE	TRUE					
1709	SR46036Z	55G	EMPLACED_CNTR	12/14/2011 13:50	10/24/2011 10:47	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/18/2011		10/18/2011				TRUE	TRUE	TRUE					
1710	SR46037P	55G	EMPLACED_CNTR	12/7/2012 9:28	9/19/2012 10:35	mccabed	SR-MD-PAD1	S5400			4/15/1971	9/13/2012		9/13/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006		TRUE	TRUE	TRUE	Yes	5/26/2010			
1711	SR46037Q	55G	APPROVED_CERT		9/13/2012 14:15	mccabed	SR-MD-PAD1	S5400			4/15/1971	9/5/2012		9/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006		TRUE	TRUE	TRUE	Yes	5/26/2010			
1712	SR46037S	55G	PRESUB_CERT		8/27/2012 17:46	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/16/2012		8/16/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1713	SR46037T	55G	APPROVED_CERT		8/27/2012 17:47	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/16/2012		8/16/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1714	SR46037V	55G	EMPLACED_CNTR	11/20/2012 14:31	8/30/2012 13:42	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/21/2012		8/21/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1715	SR46037W	55G	EMPLACED_CNTR	11/15/2012 14:47	9/10/2012 13:23	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/28/2012	6/13/2012	8/28/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006	- Rpkgd into SR46037WA - Rpkgd into SR46037WB - Rpkgd into SR46037WC - Rpkgd into SR46037WE - Rpkgd into SR46037WF - Rpkgd into SR46037WD	TRUE	TRUE	TRUE	Yes	5/26/2010			
1716	SR46037WD	55G	EMPLACED_CNTR	1/17/2013 13:45	9/10/2012 13:23	mccabed	SR-MD-PAD1	S5400			8/28/2012		8/28/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46037W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46037W		Daughter
1717	SR46037WE	55G	APPROVED_CERT		9/5/2012 9:46	mccabed	SR-MD-PAD1	S5400			8/28/2012		8/28/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46037W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46037W		Daughter
1718	SR46037WF	55G	EMPLACED_CNTR	11/18/2012 10:46	9/5/2012 9:46	mccabed	SR-MD-PAD1	S5400			8/28/2012		8/28/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46037W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46037W		Daughter
1719	SR46037X	55G	EMPLACED_CNTR	11/18/2012 10:46	8/30/2012 13:44	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/22/2012		8/22/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.	- Rpkgd into SR46037XA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1720	SR46037XA	55G	EMPLACED_CNTR	11/18/2012 12:47	8/30/2012 13:44	mccabed	SR-MD-PAD1	S5400			8/22/2012		8/22/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46037X	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46037X		Daughter
1721	SR46037Y	55G	EMPLACED_CNTR	11/18/2012 12:47	8/30/2012 13:44	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/22/2012		8/22/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1722	SR46037Z	55G	EMPLACED_CNTR	11/20/2012 14:31	8/22/2012 9:06	mccabed	SR-MD-PAD1	S5400			4/15/1971	8/15/2012		8/15/2012		Contents Unknown (Not listed on Mound report); PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1723	SR46038M	55G	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/7/2010		4/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1724	SR46038N	55G	EMPLACED_CNTR	10/8/2011 13:10	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/3/2011		3/3/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	Rpkgd into SR46038NA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1725	SR46038NA	55G	EMPLACED_CNTR	8/28/2011 9:18	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/3/2011		3/3/2011		PCB Bulk Product Waste - Non Leachable	- SR46038N				Yes	5/26/2010	SR46038N		Daughter
1726	SR46038O	55G	EMPLACED_CNTR	2/17/2012 15:57	9/27/2011 16:18	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/16/2011		6/16/2011		Changed to Non-PCB/E-mail J. Price 9/06/11	- Rpkgd into SR46038OA	TRUE	TRUE	TRUE	NA				
1727	SR46038OA	55G	EMPLACED_CNTR	10/30/2011 9:40	6/28/2011 15:21	mccabed	SR-MD-PAD1	S5400	None	1	6/16/2011		6/16/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46038O	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46038O		Daughter
1728	SR46038P	55G	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/5/2010		5/5/2010											
1729	SR46038Q	55G	EMPLACED_CNTR	11/24/2010 21:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/19/2010		5/19/2010											
1730	SR46038R	55G	EMPLACED_CNTR	5/17/2012 14:23	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/25/2010		5/25/2010		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1731	SR46038U	55G	EMPLACED_CNTR	10/8/2011 13:09	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/2/2011		2/2/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1732	SR46038UA	55G	PRESUB_CERT		4/28/2011 6:00	ickwebuser	SR-MD-PAD1	S5400		0	2/2/2011		2/2/2011		7/28/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1733	SR46038X	55G	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/11/2010		4/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1734	SR46038Y	55G	EMPLACED_CNTR	3/23/2011 19:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/15/2010		4/15/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1735	SR46039Q	SSG	EMPLACED_CNTR	2/17/2012 15:57	5/24/2011 15:49	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/18/2011		5/18/2011				TRUE	TRUE	TRUE					
1736	SR46039S	SSG	EMPLACED_CNTR	5/17/2012 14:23	9/29/2011 10:07	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	9/22/2011		9/22/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1737	SR46039TA	SSG	EMPLACED_CNTR	11/15/2012 14:47	8/30/2012 13:50	mccabed	SR-MD-PAD1	SS400			3/5/2012	8/21/2012	3/5/2012	8/21/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Repackaged per NOP 221-H-8827 (85g non-compliant drum inside a compliant 110g overpack drum); 221-F-55006 Tru Drum Repackaging.	- Rpkgd was SR46039T	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46039T		Daughter
1738	SR46039V	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/18/2011 20:58	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/16/2011		5/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1739	SR46039W	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/24/2011 15:48	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/18/2011		5/18/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1740	SR46039XA	SSG	APPROVED_CERT		10/9/2012 23:12	mccabed	SR-MD-PAD1	SS400	None		9/8/2011	8/9/2012	9/8/2011	8/9/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; WS removed per JHarrison email 012612; 221-F-55006 Tru Drum Repackaging; Unexcluded and WS added per LWatson email 100912.	- Rpkgd into SR46039XE	TRUE	TRUE	TRUE	Yes	5/26/2010			
1741	SR46039XB	SSG	APPROVED_CERT		9/13/2012 12:31	mccabed	SR-MD-PAD1	SS400	None		9/8/2011	8/6/2012	9/8/2011	8/6/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; WS removed per JHarrison email 012612; 221-F-55006 Tru Drum Repackaging; Added per LWatson 091312.		TRUE	TRUE	TRUE	Yes	5/26/2010			
1742	SR46039XC	SSG	EMPLACED_CNTR	3/28/2012 15:44	9/14/2011 13:17	mccabed	SR-MD-PAD1	SS400	None		9/8/2011		9/8/2011			PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1743	SR46039XD	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/9/2012 23:14	mccabed	SR-MD-PAD1	SS400	Remediation		8/7/2012		8/7/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent added WS back per BSchrock email 090711; Parent WS removed per JHarrison email 012612; Unexcluded and WS added per LWatson email 100912.	Repackaged into SR46039XA, SR46039XB and SR46039XC - Rpkgd was SR46039X	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46039X		Daughter
1744	SR46039XE	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/9/2012 23:15	mccabed	SR-MD-PAD1	SS400	None		8/9/2012		8/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent WS removed per JHarrison email 012612; Unexcluded and WD added per LWatson email 100912.	- Rpkgd was SR46039XA	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46039XA		Daughter
1745	SR46039Y	SSG	EMPLACED_CNTR	6/2/2012 12:59	5/24/2011 15:57	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/19/2011		5/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1746	SR46039Z	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/15/2011 10:47	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	8/10/2011		8/10/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46039ZA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1747	SR46039ZA	SSG	EMPLACED_CNTR	11/16/2011 11:01	9/27/2011 17:05	mccabed	SR-MD-PAD1	SS400	None		8/10/2011		8/10/2011			Changed to Non-PCB/E-mail J. Price 9/12/11	- Rpkgd was SR46039Z	TRUE	TRUE	TRUE	NA		SR46039Z		Daughter
1748	SR46040P	SSG	EMPLACED_CNTR	9/19/2011 23:50	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/7/2011		2/7/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1749	SR46040R	SSG	APPROVED_CERT		12/20/2012 14:10	mccabed	SR-MD-PAD1	SS400	None		4/15/1971	9/25/2012	7/18/2012	9/25/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging; Exclude per MPapp email 092512; 221-F-55006 Tru Drum Repackaging; Un-exclude per LWatson 122012.	- Rpkgd into SR46040RA - Rpkgd into SR46040RB - Rpkgd into SR46040RC - Rpkgd into SR46040RD - Rpkgd into SR46040RE	TRUE	TRUE	TRUE	Yes	5/26/2010			
1750	SR46040RB	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/23/2012 16:24	mccabed	SR-MD-PAD1	SS400	None		7/18/2012		7/18/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46040R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46040R		Daughter
1751	SR46040RC	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/23/2012 16:24	mccabed	SR-MD-PAD1	SS400	None		7/18/2012		7/18/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46040R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46040R		Daughter
1752	SR46040RD	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/23/2012 16:24	mccabed	SR-MD-PAD1	SS400	None		7/18/2012		7/18/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46040R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46040R		Daughter
1753	SR46040RE	SSG	APPROVED_CERT		12/20/2012 14:11	mccabed	SR-MD-PAD1	SS400	None		9/25/2012		9/25/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Parent excluded per MPapp email 092512; Un-exclude per LWatson 122012.	- Rpkgd was SR46040R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46040R		Daughter
1754	SR46040S	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/1/2011 10:01	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	11/28/2011		11/28/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1755	SR46040T	SSG	EMPLACED_CNTR	4/10/2011 14:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/1/2011		2/1/2011		Contents Unknown (Not listed on Mound report)		TRUE	TRUE	TRUE					
1756	SR46040U	SSG	EMPLACED_CNTR	4/10/2011 14:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/3/2011		2/3/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1757	SR46040V	SSG	EMPLACED_CNTR	7/17/2011 9:56	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/16/2011		3/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1758	SR46040W	SSG	EMPLACED_CNTR	1/17/2013 13:45	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400		1	4/15/1971	2/3/2011		2/3/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1759	SR46041M	SSG	APPROVED_CERT		10/18/2012 8:21	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	8/8/2012	10/14/2011	8/8/2012		Changed to Non-PCB/Email J.Price 2/29/2012; Exclude per re-evaluation sent by MPapp 042012; 221-F-55006 Tru Drum Repackaging; Added per LWatson 091312.	- Rpkgd into SR46041MA - Rpkgd into SR46041MB - Rpkgd into SR46041MD	TRUE	TRUE	TRUE	NA				
1760	SR46041MA	SSG	APPROVED_CERT		10/9/2012 23:16	mccabed	SR-MD-PAD1	SS400	None		10/14/2011	7/19/2012	10/14/2011	7/19/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per BSchrock email 043012; 221-F-55078 Tru Drum Repackaging; Unexcluded per LWatson email 100912.	- Rpkgd was SR46041M - Rpkgd into SR46041MC	TRUE	TRUE	TRUE	Yes	5/26/2010			
1761	SR46041MB	SSG	APPROVED_CERT		9/13/2012 12:30	mccabed	SR-MD-PAD1	SS400	None		10/14/2011	8/7/2012	10/14/2011	8/7/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Exclude per BSchrock email 043012; 221-F-55008 Tru Drum Repackaging; Added per LWatson 091312.	- Rpkgd was SR46041M	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46041M		Daughter
1762	SR46041MD	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/18/2012 8:23	mccabed	SR-MD-PAD1	SS400	None		8/8/2012		8/8/2012			Changed to Non-PCB/Email J.Price 2/29/2012; Parent excluded per re-evaluation sent by MPapp 042012; Unexcluded per LWatson email 100912.	- Rpkgd into SR46041MA - Rpkgd was SR46041M	TRUE	TRUE	TRUE	NA		SR46041M		Daughter
1763	SR46041Q	SSG	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/25/2010		4/25/2010											
1764	SR46041R	SSG	EMPLACED_CNTR	11/29/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010											
1765	SR46041S	SSG	EMPLACED_CNTR	3/24/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/13/2010		4/13/2010			WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
1766	SR46041U	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/15/2011 9:30	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/13/2011		12/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1767	SR46041V	SSG	EMPLACED_CNTR	11/18/2010 13:15	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010											
1768	SR46041Y	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/14/2010		4/14/2010											
1769	SR46041Z	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/5/2010		5/5/2010											
1770	SR46042Y	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/18/2012 15:06	mccabed	SR-MD-PAD1	SS400			4/15/1971	7/11/2012		7/11/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006		TRUE	TRUE	TRUE	Yes	5/26/2010			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1771	SR46043T	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/30/2011 20:58	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/27/2011		12/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1772	SR46043U	SSG	EMPLACED_CNTR	11/20/2012 14:31	8/8/2012 8:44	mccabed	SR-MD-PAD1	SS400			4/15/1971	7/23/2012		7/23/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE	Yes	5/26/2010			
1773	SR46043W	SSG	EMPLACED_CNTR	5/17/2012 14:23	12/30/2011 20:49	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/19/2011		12/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1774	SR46044H	SSG	EMPLACED_CNTR	7/1/2012 14:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	3/14/2011		3/14/2011				TRUE	TRUE	TRUE					
1775	SR46044O	SSG	EMPLACED_CNTR	11/20/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010											
1776	SR46044P	SSG	EMPLACED_CNTR	3/7/2011 18:50	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/24/2010		4/24/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1777	SR46044Q	SSG	EMPLACED_CNTR	2/27/2011 10:23	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/26/2010		4/26/2010											
1778	SR46044R	SSG	EMPLACED_CNTR	2/27/2011 10:23	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/2/2010		6/2/2010											
1779	SR46044S	SSG	EMPLACED_CNTR	11/20/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/16/2010		4/16/2010											
1780	SR46044T	SSG	EMPLACED_CNTR	9/19/2011 23:50	6/15/2011 8:43	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	6/9/2011		6/9/2011			- Rpkgd into SR46044TA	TRUE	TRUE	TRUE					
1781	SR46044TA	SSG	EMPLACED_CNTR	8/17/2011 0:03	6/15/2011 8:43	mccabed	SR-MD-PAD1	SS400	None	1	6/9/2011		6/9/2011				- Rpkgd was SR46044T	TRUE	TRUE	TRUE			SR46044T		Daughter
1782	SR46044U	SSG	EMPLACED_CNTR	5/1/2011 13:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/7/2010		5/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1783	SR46044V	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/11/2010		4/11/2010											
1784	SR46044W	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/27/2010		4/27/2010											
1785	SR46044X	SSG	EMPLACED_CNTR	4/3/2011 9:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/8/2010		4/8/2010				TRUE	TRUE	TRUE					
1786	SR46044Y	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/11/2010		4/11/2010											
1787	SR46044Z	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/14/2010		4/14/2010											
1788	SR46045R	SSG	EMPLACED_CNTR	8/9/2012 13:47	6/18/2012 13:52	mccabed	SR-MD-PAD1	SS400			4/15/1971	6/13/2012	6/13/2012	6/13/2012		Contains sealed impenetrable container >4L added per CChancellor email 052112; PCB Bulk Product Waste - Non Leachable (PCB info undated per TGreenwood email 061312); 221-F-44006	- Rpkgd into SR46045RA - Rpkgd into SR46045RB - Rpkgd into SR46045RC	TRUE	FALSE	TRUE	Yes	5/26/2010			
1789	SR46045RA	SSG	EMPLACED_CNTR	10/14/2012 10:29	6/18/2012 13:51	mccabed	SR-MD-PAD1	SS400			6/13/2012		6/13/2012			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46045R	TRUE	FALSE	TRUE	Yes	5/26/2010	SR46045R		Daughter
1790	SR46045RB	SSG	EMPLACED_CNTR	1/17/2013 13:45	6/18/2012 13:52	mccabed	SR-MD-PAD1	SS400			6/13/2012		6/13/2012			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46045R	TRUE	FALSE	TRUE	Yes	5/26/2010	SR46045R		Daughter
1791	SR46045RC	SSG	EMPLACED_CNTR	8/9/2012 13:47	6/18/2012 13:52	mccabed	SR-MD-PAD1	SS400			6/13/2012		6/13/2012			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46045R	TRUE	FALSE	TRUE	Yes	5/26/2010	SR46045R		Daughter
1792	SR46045S	SSG	EMPLACED_CNTR	5/6/2012 9:43	10/5/2011 14:33	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/3/2011		10/3/2011			- Rpkgd into SR46045SA - Rpkgd into SR46045SB	TRUE	TRUE	TRUE			SR46045S		Daughter
1793	SR46045SA	SSG	EMPLACED_CNTR	1/4/2012 13:45	10/6/2011 14:32	mccabed	SR-MD-PAD1	SS400	None		10/3/2011		10/3/2011				- Rpkgd was SR46045S	TRUE	TRUE	TRUE			SR46045S		Daughter
1794	SR46045SB	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/6/2011 14:33	mccabed	SR-MD-PAD1	SS400	None		10/3/2011		10/3/2011				- Rpkgd was SR46045S	TRUE	TRUE	TRUE			SR46045S		Daughter
1795	SR46045U	SSG	PRESUB_CERT		1/5/2012 19:17	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/29/2011		12/29/2011			- Rpkgd into SR46045UA - Rpkgd into SR46045UB - Rpkgd into SR46045UC - Rpkgd into SR46045UD	TRUE	TRUE	TRUE					
1796	SR46045UA	SSG	EMPLACED_CNTR	5/8/2012 13:39	1/5/2012 19:16	mccabed	SR-MD-PAD1	SS400	None		12/29/2011		12/29/2011				- Rpkgd was SR46045U	TRUE	TRUE	TRUE			SR46045U		Daughter
1797	SR46045UB	SSG	EMPLACED_CNTR	5/8/2012 13:39	1/5/2012 19:16	mccabed	SR-MD-PAD1	SS400	None		12/29/2011		12/29/2011				- Rpkgd was SR46045U	TRUE	TRUE	TRUE			SR46045U		Daughter
1798	SR46045UC	SSG	EMPLACED_CNTR	4/10/2012 15:09	1/5/2012 19:17	mccabed	SR-MD-PAD1	SS400	None		12/29/2011		12/29/2011				- Rpkgd was SR46045U	TRUE	TRUE	TRUE			SR46045U		Daughter
1799	SR46045UD	SSG	PRESUB_CERT		1/5/2012 19:17	mccabed	SR-MD-PAD1	SS400	None		12/29/2011		12/29/2011				- Rpkgd was SR46045U	TRUE	TRUE	TRUE			SR46045U		Daughter
1800	SR46045V	SSG	EMPLACED_CNTR	5/30/2012 13:43	1/18/2012 18:13	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	1/5/2012		1/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46045VA	TRUE	TRUE	TRUE	Yes	5/26/2010			
1801	SR46045VA	SSG	EMPLACED_CNTR	5/30/2012 13:43	1/18/2012 18:13	mccabed	SR-MD-PAD1	SS400	None		1/5/2012		1/5/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46045V	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46045V		Daughter
1802	SR46045W	SSG	EMPLACED_CNTR	10/8/2011 11:09	7/27/2011 12:36	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	7/18/2011		7/18/2011				TRUE	TRUE	TRUE					
1803	SR46045X	SSG	PRESUB_CERT		7/26/2011 9:41	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	7/19/2011		7/19/2011				TRUE	TRUE	TRUE					
1804	SR46045Y	SSG	EMPLACED_CNTR	12/22/2011 10:11	7/26/2011 9:18	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	7/21/2011		7/21/2011			- Rpkgd into SR46045YA	TRUE	TRUE	TRUE					
1805	SR46045YA	SSG	EMPLACED_CNTR	12/14/2011 14:22	7/26/2011 9:18	mccabed	SR-MD-PAD1	SS400	None		7/21/2011		7/21/2011				- Rpkgd was SR46045Y	TRUE	TRUE	TRUE			SR46045Y		Daughter
1806	SR46047M	SSG	EMPLACED_CNTR	8/17/2011 0:03	6/15/2011 8:45	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	6/10/2011		6/10/2011			- Rpkgd into SR46047MA - Rpkgd into SR46047MB	TRUE	TRUE	TRUE					
1807	SR46047MA	SSG	EMPLACED_CNTR	10/24/2011 18:34	6/15/2011 8:44	mccabed	SR-MD-PAD1	SS400	None		6/10/2011		6/10/2011				- Rpkgd was SR46047M	TRUE	TRUE	TRUE			SR46047M		Daughter
1808	SR46047MB	SSG	APPROVED_CERT		6/15/2011 8:45	mccabed	SR-MD-PAD1	SS400	None		6/10/2011		6/10/2011				- Rpkgd was SR46047M	TRUE	TRUE	TRUE			SR46047M		Daughter
1809	SR46047N	SSG	EMPLACED_CNTR	4/10/2011 14:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/22/2010		5/22/2010											
1810	SR46047O	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/6/2010		5/6/2010											
1811	SR46047P	SSG	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/23/2010		5/23/2010											
1812	SR46047Q	SSG	EMPLACED_CNTR	2/24/2011 18:53	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/28/2010		5/28/2010											
1813	SR46047R	SSG	EMPLACED_CNTR	11/24/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/21/2010		5/21/2010											
1814	SR46047S	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/3/2010		6/3/2010											
1815	SR46047T	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/5/2010		5/5/2010											
1816	SR46047U	SSG	EMPLACED_CNTR	4/3/2011 9:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/13/2010		5/13/2010				TRUE	TRUE	TRUE					
1817	SR46047V	SSG	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/10/2010		5/10/2010											
1818	SR46047W	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/20/2010		5/20/2010											
1819	SR46047X	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/3/2010		6/3/2010											
1820	SR46047Y	SSG	EMPLACED_CNTR	3/7/2011 18:50	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/26/2010		5/26/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1821	SR46047Z	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/26/2010		5/26/2010											
1822	SR46048U	SSG	EMPLACED_CNTR	10/14/2012 10:29	1/5/2012 19:01	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	1/3/2012		1/3/2012		Changed to Non-PCB/Email JPrice 11/08/11.		TRUE	TRUE	TRUE	NA				
1823	SR46048V	SSG	EMPLACED_CNTR	12/7/2012 9:28	8/21/2012 12:47	mccabed	SR-MD-PAD1	SS400			4/15/1971	7/31/2012		7/31/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE	Yes	5/26/2010			
1824	SR460495	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/30/2011 20:51	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/20/2011		12/20/2011		Changed to Non-PCB/Email JPrice 11/08/11.	- Rpkgd into SR460495A	TRUE	TRUE	TRUE	NA				
1825	SR460495A	SSG	EMPLACED_CNTR	1/17/2013 13:45	5/22/2012 10:57	mccabed	SR-MD-PAD1	SS400	None		12/20/2011	5/16/2012	12/20/2011	5/16/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR460495 - Rpkgd into SR460495B	TRUE	TRUE	TRUE	NA				
1826	SR460495B	SSG	APPROVED_CERT		1/22/2013 7:50	mccabed	SR-MD-PAD1	SS400	None		5/16/2012	9/17/2012	5/16/2012	9/17/2012		221-F-55006	- Rpkgd was SR460495 - Rpkgd was SR460495A	TRUE	TRUE	TRUE	NA		SR460495A	SR460495	Daughter
1827	SR46049V	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/30/2011 20:59	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/21/2011		12/21/2011		Changed to Non-PCB/Email JPrice 11/08/11.		TRUE	TRUE	TRUE	NA				
1828	SR46049W	SSG	EMPLACED_CNTR	6/10/2012 12:46	1/5/2012 19:19	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/29/2011		12/29/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1829	SR46050S	SSG	EMPLACED_CNTR	9/21/2012 13:21	2/1/2012 17:32	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	1/30/2012		1/30/2012		Changed to Non-PCB/Email JPrice 11/08/11.		TRUE	TRUE	TRUE	NA				
1830	SR46050T	SSG	EMPLACED_CNTR	8/8/2012 14:42	5/30/2012 16:10	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/22/2012	4/18/2012	5/22/2012		Changed to Non-PCB/Email JPrice 11/08/11; 221-F-55006		TRUE	TRUE	TRUE	NA				
1831	SR46050V	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/30/2011 20:50	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/20/2011		12/20/2011		Changed to Non-PCB/Email JPrice 11/08/11.		TRUE	TRUE	TRUE	NA				
1832	SR46050W	SSG	EMPLACED_CNTR	4/26/2013 14:53	10/3/2012 15:08	mccabed	SR-MD-PAD1	SS400	None		4/15/1971	10/1/2012	7/11/2012	10/1/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006; 221-F-55006 on 10/1/2012	- Rpkgd into SR46050WA - Rpkgd into SR46050WB	TRUE	TRUE	TRUE	Yes	5/26/2010			
1833	SR46050WA	SSG	EMPLACED_CNTR	4/4/2013 15:25	10/1/2012 15:07	mccabed	SR-MD-PAD1	SS400	None		10/1/2012		10/1/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46050W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46050W		Daughter
1834	SR46050WB	SSG	EMPLACED_CNTR	12/15/2012 13:43	10/3/2012 15:09	mccabed	SR-MD-PAD1	SS400	None		10/1/2012		10/1/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46050W	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46050W		Daughter
1835	SR46050Y	SSG	EMPLACED_CNTR	4/21/2012 9:47	12/30/2011 21:02	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	12/27/2011		12/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1836	SR46051O	SSG	EMPLACED_CNTR	3/31/2012 15:25	1/27/2012 17:16	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	1/24/2012		1/24/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
1837	SR46051P	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/9/2010		4/9/2010											
1838	SR46051Q	SSG	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/18/2010		3/18/2010											
1839	SR46051R	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/26/2010		5/26/2010											
1840	SR46051S	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	1/13/2011		1/13/2011				TRUE	TRUE	TRUE					
1841	SR46051SA	SSG	EMPLACED_CNTR	5/15/2011 10:41	4/28/2011 6:00	dcwebuser	SR-MD-PAD1	S5400		0	1/13/2011		1/13/2011		7/8/2011			TRUE	TRUE	TRUE					
1842	SR46051T	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/22/2010		3/22/2010											
1843	SR46051U	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/17/2010		3/17/2010											
1844	SR46051V	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/27/2010		4/27/2010											
1845	SR46051VA	SSG	EMPLACED_CNTR	2/23/2011 21:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	4/27/2010		4/27/2010		10/20/2010											
1846	SR46051W	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/18/2010		5/18/2010											
1847	SR46051X	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/17/2010		3/17/2010											
1848	SR46051Y	SSG	EMPLACED_CNTR	3/7/2011 18:50	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/9/2010		4/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1849	SR46051Z	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/30/2010		3/30/2010											
1850	SR460520	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/28/2010		5/28/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1851	SR460520	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/9/2010		4/9/2010											
1852	SR460520	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/22/2010		3/22/2010											
1853	SR460520	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/18/2010		3/18/2010											
1854	SR46052Q	SSG	EMPLACED_CNTR	4/4/2013 15:25	9/13/2012 12:29	mccabed	SR-MD-PAD1	S5400	Remediation	0	4/15/1971	8/13/2012	10/15/2011	8/13/2012		Exclude per BSchrock email 043012; 221-F-55006 Tru Drum Repackaging. Added per LWatson 091312.	- Rpkgd into SR46052QA - Rpkgd into SR46052QB	TRUE	TRUE	TRUE					
1855	SR46052QA	SSG	EMPLACED_CNTR	12/14/2011 13:50	10/18/2011 17:57	mccabed	SR-MD-PAD1	S5400	None	0	10/15/2011		10/15/2011				- Rpkgd was SR46052Q	TRUE	TRUE	TRUE			SR46052Q		Daughter
1856	SR46052QB	SSG	EMPLACED_CNTR	12/15/2012 10:55	10/9/2012 23:18	mccabed	SR-MD-PAD1	S5400	None	0	8/13/2012		8/13/2012			Parent Excluded per BSchrock email 043012; Unexcluded per LWatson email 100912.	- Rpkgd was SR46052Q	TRUE	TRUE	TRUE			SR46052Q		Daughter
1857	SR46052R	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/21/2010		5/21/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1858	SR460525	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/10/2010		4/10/2010											
1859	SR46052T	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/26/2010		3/26/2010											
1860	SR46052TA	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	3/26/2010		3/26/2010		9/18/2010											
1861	SR46052U	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/10/2010		4/10/2010											
1862	SR46052V	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/8/2010		4/8/2010											
1863	SR46052W	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/12/2010		5/12/2010											
1864	SR46052X	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/26/2010		5/26/2010											
1865	SR46052Y	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/13/2010		4/13/2010											
1866	SR46052Z	SSG	EMPLACED_CNTR	2/7/2011 19:09	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/13/2010		4/13/2010											
1867	SR46053M	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/10/2010		4/10/2010											
1868	SR46053N	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/28/2010		4/28/2010											
1869	SR46053O	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/26/2010		5/26/2010											
1870	SR46053P	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/6/2010		5/6/2010											
1871	SR46053Q	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/30/2010		5/30/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1872	SR46053R	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/28/2010		4/28/2010											
1873	SR46053S	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/28/2010		4/28/2010											
1874	SR46053SA	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	4/28/2010		4/28/2010		10/21/2010											
1875	SR46053T	SSG	EMPLACED_CNTR	4/10/2011 14:11	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/7/2010		5/7/2010				TRUE	TRUE	TRUE					
1876	SR46053U	SSG	EMPLACED_CNTR	11/14/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/11/2010		5/11/2010											
1877	SR46053V	SSG	EMPLACED_CNTR	11/14/2010 10:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/7/2010		4/7/2010											
1878	SR46053W	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/7/2010		5/7/2010											
1879	SR46053X	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/25/2010		5/25/2010											
1880	SR46053Y	SSG	EMPLACED_CNTR	4/10/2011 14:11	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/6/2010		5/6/2010				TRUE	TRUE	TRUE					
1881	SR46053Z	SSG	EMPLACED_CNTR	4/18/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/28/2011		1/28/2011				TRUE	TRUE	TRUE					
1882	SR46053ZA	SSG	EMPLACED_CNTR	7/10/2012 14:33	5/1/2012 20:58	mccabed	SR-MD-PAD1	S5400	Remediation		1/28/2011	4/26/2012	1/28/2011	4/26/2012		SWD11D26 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR46053Z		Repack
1883	SR46054M	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/25/2011 18:18	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	8/18/2011		8/18/2011			- Rpkgd into SR46054MA - Rpkgd into SR46054MB	TRUE	TRUE	TRUE					
1884	SR46054MA	SSG	APPROVED_CERT		10/9/2012 23:19	mccabed	SR-MD-PAD1	S5400	None		8/18/2011	8/15/2012	8/18/2011	8/15/2012		WS removed per JHarrison email 012612; 221-F-55006 Tru Drum Repackaging; Unexcluded and WS added per LWatson email 100912.	- Rpkgd was SR46054M - Rpkgd into SR46054MC - Rpkgd into SR46054MD	TRUE	TRUE	TRUE					
1885	SR46054MB	SSG	EMPLACED_CNTR	11/16/2011 8:51	8/25/2011 18:18	mccabed	SR-MD-PAD1	S5400	None		8/18/2011		8/18/2011				- Rpkgd was SR46054M	TRUE	TRUE	TRUE			SR46054M		Daughter
1886	SR46054MC	SSG	EMPLACED_CNTR	12/15/2012 10:55	10/9/2012 23:21	mccabed	SR-MD-PAD1	S5400	None		8/15/2012		8/15/2012			Parent WS removed per JHarrison email 012612; Unexcluded and WS added per LWatson email 100912.	- Rpkgd was SR46054M - Rpkgd was SR46054MA	TRUE	TRUE	TRUE			SR46054MA	SR46054M	Daughter
1887	SR46054MD	SSG	EMPLACED_CNTR	12/15/2012 10:55	10/9/2012 23:21	mccabed	SR-MD-PAD1	S5400	None		8/15/2012		8/15/2012			Parent WS removed per JHarrison email 012612; Unexcluded and WS added per LWatson email 100912.	- Rpkgd was SR46054M - Rpkgd was SR46054MA	TRUE	TRUE	TRUE			SR46054MA		Daughter
1888	SR46054N	SSG	EMPLACED_CNTR	12/11/2011 11:07	10/24/2011 14:28	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/19/2011		10/19/2011				TRUE	TRUE	TRUE					
1889	SR46054O	SSG	EMPLACED_CNTR	3/9/2011 22:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/3/2010		6/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1890	SR46054P	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/2/2010		6/2/2010											
1891	SR46054Q	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/2/2010		6/2/2010											
1892	SR46054R	SSG	EMPLACED_CNTR	3/9/2011 22:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1893	SR46054S	SSG	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/3/2010		6/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1894	SR46054T	SSG	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1895	SR46054U	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/1/2010		6/1/2010											
1896	SR46054V	SSG	EMPLACED_CNTR	3/9/2011 22:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1897	SR46054W	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/2/2010		6/2/2010											
1898	SR46054X	SSG	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1899	SR46054Y	SSG	EMPLACED_CNTR	3/9/2011 22:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1900	SR46054Z	SSG	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1901	SR46055M	SSG	EMPLACED_CNTR	8/17/2011 0:03	6/15/2011 8:48	mccabed	SR-MD-PAD1	S5400	Remediation	0	4/15/1971	6/10/2011		6/10/2011			- Rpkgd into SR46055MA	TRUE	TRUE	TRUE					
1902	SR46055MA	SSG	EMPLACED_CNTR	10/8/2013 11:09	6/15/2011 8:47	mccabed	SR-MD-PAD1	S5400	None		6/10/2011		6/10/2011				- Rpkgd was SR46055M	TRUE	TRUE	TRUE			SR46055M		Daughter
1903	SR46055N	SSG	EMPLACED_CNTR	3/7/2011 18:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/9/2010		4/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1904	SR46055O	SSG	EMPLACED_CNTR	2/16/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/9/2010		4/9/2010											
1905	SR46055P	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/16/2010		3/16/2010											
1906	SR46055PA	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	3/16/2010		3/16/2010		9/8/2010											
1907	SR46055Q	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	4/7/2010		4/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1908	SR46055R	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	4/14/2010		4/14/2010											
1909	SR46055S	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/12/2010		3/12/2010											
1910	SR46055T	SSG	EMPLACED_CNTR	2/7/2011 19:09	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	3/15/2010		3/15/2010											
1911	SR46055TA	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	3/15/2010		3/15/2010		9/7/2010											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1912	SR46055U	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/15/2011 9:31	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	12/13/2011		12/13/2011				TRUE	TRUE	TRUE					
1913	SR46055V	SSG	EMPLACED_CNTR	6/24/2012 13:24	1/18/2012 17:15	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	1/5/2012		1/5/2012				TRUE	TRUE	TRUE					
1914	SR46055W	SSG	EMPLACED_CNTR	2/16/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/10/2010		4/10/2010											
1915	SR46055X	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	3/15/2010		3/15/2010											
1916	SR46055Y	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	0	4/15/1971	5/28/2010		5/28/2010											
1917	SR46055Z	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	0	4/15/1971	4/11/2010		4/11/2010											
1918	SR46056M	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/10/2010		4/10/2010											
1919	SR46056N	SSG	EMPLACED_CNTR	11/21/2010 11:25	4/29/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/5/2010		5/5/2010											
1920	SR46056O	SSG	EMPLACED_CNTR	11/21/2010 11:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/6/2010		5/6/2010											
1921	SR46056P	SSG	EMPLACED_CNTR	3/7/2011 19:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/29/2010		5/29/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1922	SR46056Q	SSG	EMPLACED_CNTR	4/16/2011 14:11	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/9/2010		4/9/2010				TRUE	TRUE	TRUE					
1923	SR46056R	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/9/2010		4/9/2010											
1924	SR46056S	SSG	EMPLACED_CNTR	3/7/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/5/2010		6/5/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1925	SR46056T	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/29/2010		5/29/2010											
1926	SR46056U	SSG	EMPLACED_CNTR	3/7/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/8/2010		4/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1927	SR46056V	SSG	EMPLACED_CNTR	3/7/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/10/2010		4/10/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1928	SR46056W	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	3/16/2010		3/16/2010											
1929	SR46056Y	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010											
1930	SR46056Z	SSG	EMPLACED_CNTR	2/16/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/6/2010		4/6/2010											
1931	SR46057M	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/29/2010		5/29/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1932	SR46057N	SSG	EMPLACED_CNTR	3/24/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/7/2010		6/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1933	SR46057O	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/6/2010		5/6/2010											
1934	SR46057P	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/30/2010		5/30/2010											
1935	SR46057Q	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/17/2010		5/17/2010											
1936	SR46057R	SSG	EMPLACED_CNTR	5/8/2012 13:39	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/18/2010		5/18/2010				TRUE	TRUE	TRUE					
1937	SR46057S	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/21/2010		5/21/2010											
1938	SR46057T	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/30/2010		5/30/2010											
1939	SR46057U	SSG	EMPLACED_CNTR	2/16/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/24/2010		5/24/2010											
1940	SR46057V	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/25/2010		5/25/2010											
1941	SR46057W	SSG	EMPLACED_CNTR	5/23/2012 9:56	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/27/2011		1/27/2011				TRUE	TRUE	TRUE					
1942	SR46057X	SSG	EMPLACED_CNTR	4/16/2011 14:11	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/24/2010		5/24/2010				TRUE	TRUE	TRUE					
1943	SR46057Y	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/16/2010		5/16/2010											
1944	SR46057Z	SSG	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/11/2010		5/11/2010											
1945	SR46058M	SSG	EMPLACED_CNTR	12/30/2011 12:47	10/18/2011 17:42	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/12/2011		10/12/2011				TRUE	TRUE	TRUE					
1946	SR46058N	SSG	EMPLACED_CNTR	5/8/2012 9:43	10/11/2011 11:07	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/7/2011		10/7/2011				TRUE	TRUE	TRUE					
1947	SR46058O	SSG	EMPLACED_CNTR	10/24/2011 18:34	5/6/2011 18:53	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/27/2011		5/27/2011				TRUE	TRUE	TRUE					
1948	SR46058P	SSG	EMPLACED_CNTR	6/28/2011 9:18	5/24/2011 15:58	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/19/2011		5/19/2011				TRUE	TRUE	TRUE					
1949	SR46058Q	SSG	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	3/14/2011		3/14/2011				TRUE	TRUE	TRUE					
1950	SR46058R	SSG	EMPLACED_CNTR	3/7/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	10/12/2010		10/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1951	SR46058S	SSG	EMPLACED_CNTR	4/14/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/7/2011		2/7/2011				TRUE	TRUE	TRUE					
1952	SR46058SA	SSG	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	SS400		0	2/7/2011		2/7/2011		6/1/2011			TRUE	TRUE	TRUE					
1953	SR46058SB	SSG	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	SS400		0	2/7/2011		2/7/2011		8/2/2011			TRUE	TRUE	TRUE					
1954	SR46058TA	SSG	EMPLACED_CNTR	6/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/4/2011		3/4/2011			- SR46058T						SR46058T		Daughter
1955	SR46058V	SSG	EMPLACED_CNTR	4/14/2011 19:44	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/15/2011		1/15/2011				TRUE	TRUE	TRUE					
1956	SR46058W	SSG	EMPLACED_CNTR	8/28/2011 9:18	5/24/2011 15:54	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/19/2011		5/19/2011				TRUE	TRUE	TRUE					
1957	SR46058X	SSG	EMPLACED_CNTR	3/24/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/31/2010		5/31/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1958	SR46058Y	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/24/2011 18:58	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/19/2011		10/19/2011				TRUE	TRUE	TRUE					
1959	SR46058Z	SSG	EMPLACED_CNTR	9/19/2011 23:50	5/24/2011 15:59	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/19/2011		5/19/2011				TRUE	TRUE	TRUE					
1960	SR46059M	SSG	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/28/2010		5/28/2010											
1961	SR46059N	SSG	EMPLACED_CNTR	11/21/2010 11:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/21/2010		5/21/2010											
1962	SR46059O	SSG	EMPLACED_CNTR	5/5/2011 21:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/14/2011		1/14/2011				TRUE	TRUE	TRUE					
1963	SR46059OA	SSG	EMPLACED_CNTR	8/27/2011 14:35	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	SS400		0	1/14/2011		1/14/2011		7/5/2011			TRUE	TRUE	TRUE					
1964	SR46059P	SSG	EMPLACED_CNTR	12/22/2011 10:13	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/1/2010		6/1/2010				TRUE	TRUE	TRUE					
1965	SR46059Q	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/27/2010		5/27/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1966	SR46059R	SSG	EMPLACED_CNTR	8/28/2011 9:19	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/3/2011		3/3/2011			Rpkgd into SR46059RA - SR46059R						SR46059R		Daughter
1967	SR46059RA	SSG	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/3/2011		3/3/2011											
1968	SR46059S	SSG	EMPLACED_CNTR	2/25/2012 13:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/21/2010		5/21/2010				TRUE	TRUE	TRUE					
1969	SR46059T	SSG	EMPLACED_CNTR	3/24/2011 21:39	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1970	SR46059U	SSG	EMPLACED_CNTR	1/18/2013 15:01	10/11/2011 15:16	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	10/5/2011		10/5/2011		Contents Unknown (Not listed on Mound report)	- Rpkgd into SR46059UA - Rpkgd was SR46059U	TRUE	TRUE	TRUE			SR46059U		Daughter
1971	SR46059UA	SSG	EMPLACED_CNTR	2/17/2012 16:08	10/11/2011 15:16	mccabed	SR-MD-PAD1	SS400	None	1	10/5/2011		10/5/2011					TRUE	TRUE	TRUE					
1972	SR46059V	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/28/2010		5/28/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1973	SR46059W	SSG	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/24/2010		5/24/2010											
1974	SR46059X	SSG	EMPLACED_CNTR	3/7/2011 18:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/31/2010		5/31/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1975	SR46059Y	SSG	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/31/2011		3/31/2011			- Rpkgd into SR460599YA	TRUE	TRUE	TRUE					
1976	SR46059YA	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/31/2011		3/31/2011			- Rpkgd Was SR46059Y	TRUE	TRUE	TRUE			SR46059Y		Daughter
1977	SR46059Z	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	3/10/2010		3/10/2010			Rpkgd into SR46059ZA Rpkgd into SR46059ZB - Rpkgd Was SR46059Z	TRUE	TRUE	TRUE			SR46059Z		Daughter
1978	SR46059ZA	SSG	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/10/2010		3/10/2010			Rpkgd into SR46059ZA - Rpkgd Was SR46059Z	TRUE	TRUE	TRUE			SR46059Z		Daughter
1979	SR46059ZB	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/10/2010		3/10/2010											
1980	SR46060M	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/6/2010		5/6/2010											
1981	SR46060N	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1982	SR46060O	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/5/2010		6/5/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1983	SR46060P	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/8/2010		5/8/2010											
1984	SR46060Q	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1985	SR46060R	SSG	EMPLACED_CNTR	3/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/16/2010		5/16/2010											
1986	SR46060S	SSG	EMPLACED_CNTR	3/7/2011 18:11	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1987	SR46060T	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1988	SR46060U	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1989	SR46060V	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/28/2010		5/28/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1990	SR46060W	SSG	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/7/2010		5/7/2010											
1991	SR46060X	SSG	EMPLACED_CNTR	3/20/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/6/2010		6/6/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1992	SR46060Y	SSG	EMPLACED_CNTR	3/19/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1993	SR46060Z	SSG	EMPLACED_CNTR	3/20/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/10/2010		6/10/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1994	SR46061M	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	3/22/2010		3/22/2010											
1995	SR46061N	SSG	EMPLACED_CNTR	11/29/2010 18:37	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/25/2010		4/25/2010											
1996	SR46061O	SSG	EMPLACED_CNTR	2/26/2012 13:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010				TRUE	TRUE	TRUE					
1997	SR46061P	SSG	EMPLACED_CNTR	3/17/2012 14:17	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/15/2010		4/15/2010				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1998	SR46061Q	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/14/2010		5/14/2010											
1999	SR46061QA	SSG	EMPLACED_CNTR	3/10/2011 22:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	SS400		0	5/14/2010		5/14/2010		11/6/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2000	SR46061S	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/7/2010		6/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2001	SR46061T	SSG	EMPLACED_CNTR	3/7/2011 18:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/26/2010		4/26/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2002	SR46061U	SSG	EMPLACED_CNTR	4/3/2013 9:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/14/2010		4/14/2010				TRUE	TRUE	TRUE					
2003	SR46061UA	SSG	EMPLACED_CNTR	3/20/2011 9:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	SS400		0	4/14/2010		4/14/2010		10/7/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2004	SR46061V	SSG	EMPLACED_CNTR	11/24/2010 19:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/16/2010		4/16/2010											
2005	SR46061X	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/24/2010		4/24/2010											
2006	SR46061XA	SSG	EMPLACED_CNTR	3/3/2011 18:58	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	SS400		0	4/24/2010		4/24/2010		10/17/2010										
2007	SR46061Y	SSG	EMPLACED_CNTR	3/3/2011 18:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	4/24/2010		4/24/2010											
2008	SR46061YA	SSG	EMPLACED_CNTR	3/3/2011 18:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400		0	4/24/2010		4/24/2010		10/17/2010										
2009	SR46062O	SSG	EMPLACED_CNTR	11/21/2010 11:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/7/2010		5/7/2010											
2010	SR46062Q	SSG	EMPLACED_CNTR	1/10/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/15/2010		5/15/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2011	SR46062R	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/15/2010		5/15/2010											
2012	SR46062S	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/14/2010		5/14/2010											
2013	SR46062T	SSG	EMPLACED_CNTR	11/9/2011 22:36	6/18/2011 17:39	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	6/23/2011		6/23/2011				TRUE	TRUE	TRUE					
2014	SR46062TA	SSG	EMPLACED_CNTR	11/4/2012 13:30	5/18/2012 17:04	mccabed	SR-MD-PAD1	SS400			6/23/2011		6/23/2011			Potential Prohibited Items: liquid	Parent is SR46026T which is already EMPLACED	TRUE	FALSE	TRUE					
2015	SR46062V	SSG	EMPLACED_CNTR	2/25/2012 13:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/27/2010		5/27/2010				TRUE	TRUE	TRUE					
2016	SR46062W	SSG	EMPLACED_CNTR	11/24/2010 21:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/14/2010		5/14/2010											
2017	SR46062X	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/18/2010		5/18/2010											
2018	SR46062Y	SSG	EMPLACED_CNTR	2/14/2012 14:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	5/27/2010		5/27/2010				TRUE	TRUE	TRUE					
2019	SR46062Z	SSG	EMPLACED_CNTR	3/10/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/1/2010		6/1/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2020	SR46063M	SSG	EMPLACED_CNTR	4/14/2011 21:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	12/9/2010		12/9/2010				TRUE	TRUE	TRUE					
2021	SR46063MA	SSG	EMPLACED_CNTR	5/10/2011 21:15	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	12/9/2010		12/9/2010		6/3/2011			TRUE	TRUE	TRUE					
2022	SR46063N	SSG	EMPLACED_CNTR	7/3/2012 14:12	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/17/2010		6/17/2010				TRUE	TRUE	TRUE					
2023	SR46063O	SSG	EMPLACED_CNTR	7/15/2012 14:32	5/7/2012 19:49	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	4/9/2012		4/9/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46063OA - Rpkgd into SR46063OB	TRUE	TRUE	TRUE	Yes	5/26/2010			
2024	SR46063OA	SSG	EMPLACED_CNTR	11/18/2012 13:34	5/7/2012 19:48	mccabed	SR-MD-PAD1	SS400	None		4/9/2012		4/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46063O	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46063O		Daughter
2025	SR46063OB	SSG	EMPLACED_CNTR	11/28/2012 10:52	5/7/2012 19:48	mccabed	SR-MD-PAD1	SS400	None		4/9/2012		4/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46063O	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46063O		Daughter
2026	SR46063P	SSG	EMPLACED_CNTR	6/2/2012 13:21	3/22/2012 10:01	mccabed	SR-MD-PAD1	SS400	Vent		4/15/1971	3/15/2012	12/12/2011	3/15/2012		Tru drum repacking 221-F-55006	- Rpkgd into SR46063PA - Rpkgd into SR46063PB	TRUE	TRUE	TRUE					
2027	SR46063PA	SSG	EMPLACED_CNTR	11/29/2012 13:13	3/22/2012 10:01	mccabed	SR-MD-PAD1	SS400	None		3/15/2012		3/15/2012			Tru drum repacking 221-F-55006	- Rpkgd was SR46063P	TRUE	TRUE	TRUE			SR46063P		Daughter
2028	SR46063PB	SSG	EMPLACED_CNTR	6/9/2012 10:58	3/22/2012 10:01	mccabed	SR-MD-PAD1	SS400	None		3/15/2012		3/15/2012			Tru drum repacking 221-F-55006	- Rpkgd was SR46063P	TRUE	TRUE	TRUE			SR46063P		Daughter
2029	SR46063Q	SSG	EMPLACED_CNTR	6/1/2012 13:21	3/6/2012 10:54	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	1/4/2012		1/4/2012			- Rpkgd into SR46063QA	TRUE	TRUE	TRUE					
2030	SR46063QA	SSG	EMPLACED_CNTR	6/2/2012 12:59	3/6/2012 10:54	mccabed	SR-MD-PAD1	SS400	None		1/4/2012		1/4/2012				- Rpkgd was SR46063Q	TRUE	TRUE	TRUE			SR46063Q		Daughter
2031	SR46063S	SSG	EMPLACED_CNTR	4/18/2011 21:33	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	12/4/2010		12/4/2010				TRUE	TRUE	TRUE					
2032	SR46063T	SSG	EMPLACED_CNTR	3/10/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/16/2010		11/16/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2033	SR46063U	SSG	EMPLACED_CNTR	3/20/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/4/2010		11/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2034	SR46063V	SSG	EMPLACED_CNTR	3/20/2011 9:40	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/4/2010		11/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2035	SR46063W	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/6/2011		1/6/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2036	SR46063WA	SSG	EMPLACED_CNTR	5/15/2011 10:41	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	1/6/2011		1/6/2011		7/1/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2037	SR46063X	SSG	EMPLACED_CNTR	3/20/2011 9:40	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	10/19/2010		10/19/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2038	SR46063Y	SSG	EMPLACED_CNTR	7/17/2011 9:56	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/21/2011		3/21/2011			- Rpkgd into SR46063YA	TRUE	TRUE	TRUE					
2039	SR46063YA	SSG	EMPLACED_CNTR	7/17/2011 9:56	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/21/2011		3/21/2011			- Rpkgd Was SR46063Y	TRUE	TRUE	TRUE			SR46063Y		Daughter
2040	SR46063Z	SSG	EMPLACED_CNTR	3/20/2011 9:40	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/3/2010		11/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2041	SR46064N	SSG	EMPLACED_CNTR	5/12/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/25/2011		1/25/2011				TRUE	TRUE	TRUE					
2042	SR46064NA	SSG	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	1/25/2011		1/25/2011		7/20/2011			TRUE	TRUE	TRUE					
2043	SR46064O	SSG	EMPLACED_CNTR	4/14/2011 21:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/3/2011		2/3/2011				TRUE	TRUE	TRUE					
2044	SR46064OA	SSG	EMPLACED_CNTR	10/8/2011 14:07	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	2/3/2011		2/3/2011		7/29/2011			TRUE	TRUE	TRUE					
2045	SR46064P	SSG	EMPLACED_CNTR	11/29/2012 13:13	9/29/2011 10:04	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	9/22/2011		9/22/2011			- Rpkgd into SR46064PA	TRUE	TRUE	TRUE					
2046	SR46064PA	SSG	EMPLACED_CNTR	2/18/2012 13:13	9/29/2011 10:04	mccabed	SR-MD-PAD1	SS400	None		9/22/2011		9/22/2011				- Rpkgd was SR46064P	TRUE	TRUE	TRUE			SR46064P		Daughter
2047	SR46064Q	SSG	EMPLACED_CNTR	7/17/2011 9:56	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/2/2011		3/2/2011			Rpkgd into SR46064QA	TRUE	TRUE	TRUE					
2048	SR46064QA	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/2/2011		3/2/2011			- SR46064Q	FALSE	FALSE	FALSE			SR46064Q		Repack
2049	SR46064R	SSG	EMPLACED_CNTR	5/1/2011 13:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	12/15/2010		12/15/2010				TRUE	TRUE	TRUE					
2050	SR46064RA	SSG	EMPLACED_CNTR	9/22/2011 0:01	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	12/15/2010		12/15/2010		6/9/2011			TRUE	TRUE	TRUE					
2051	SR46064S	SSG	EMPLACED_CNTR	12/22/2011 10:13	10/24/2011 10:45	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/18/2011		10/18/2011			- Rpkgd into SR46064SA	TRUE	TRUE	TRUE					
2052	SR46064T	SSG	EMPLACED_CNTR	10/8/2011 14:07	7/20/2011 14:22	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	7/18/2011		7/18/2011			- Rpkgd into SR46064TA - Rpkgd into SR46064TB	TRUE	TRUE	TRUE					
2053	SR46064TA	SSG	EMPLACED_CNTR	10/24/2011 18:34	7/20/2011 14:21	mccabed	SR-MD-PAD1	SS400	None		7/18/2011		7/18/2011				- Rpkgd was SR46064T	TRUE	TRUE	TRUE			SR46064T		Daughter
2054	SR46064TB	SSG	EMPLACED_CNTR	10/8/2011 13:09	7/20/2011 14:22	mccabed	SR-MD-PAD1	SS400	None		7/18/2011		7/18/2011				- Rpkgd was SR46064T	TRUE	TRUE	TRUE			SR46064T		Daughter
2055	SR46064U	SSG	EMPLACED_CNTR	1/10/2012 12:58	9/27/2011 16:30	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	9/14/2011		9/14/2011		Changed to Non-PCB/E-mail J. Price 9/13/11	- Rpkgd into SR46064UA - Rpkgd into SR46064UB	TRUE	TRUE	TRUE					
2056	SR46064UA	SSG	EMPLACED_CNTR	12/14/2011 13:50	9/19/2011 16:14	mccabed	SR-MD-PAD1	SS400	None		9/14/2011		9/14/2011				- Rpkgd was SR46064U	TRUE	TRUE	TRUE			SR46064U		Repack
2057	SR46064UB	SSG	EMPLACED_CNTR	12/14/2011 13:50	9/19/2011 16:15	mccabed	SR-MD-PAD1	SS400	None		9/14/2011		9/14/2011				- Rpkgd was SR46064U	TRUE	TRUE	TRUE			SR46064U		Repack
2058	SR46064V	SSG	EMPLACED_CNTR	5/6/2012 9:43	11/3/2011 15:07	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/31/2011		5/31/2011		Changed to Non-PCB 5/24/2011 per J.Price E-mail.	- Rpkgd into SR46064VA	TRUE	TRUE	TRUE					
2059	SR46064VA	SSG	EMPLACED_CNTR	8/13/2011 0:03	8/8/2011 16:47	mccabed	SR-MD-PAD1	SS400	None		5/31/2011		5/31/2011				- Rpkgd was SR46064V	TRUE	TRUE	TRUE			SR46064V		Daughter
2060	SR46064W	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/11/2010		11/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2061	SR46064X	SSG	EMPLACED_CNTR	4/10/2011 12:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/2/2011		2/2/2011				TRUE	TRUE	TRUE					
2062	SR46064XA	SSG	EMPLACED_CNTR	10/8/2011 13:10	4/28/2011 6:00	ldcweibuer	SR-MD-PAD1	SS400		0	2/2/2011		2/2/2011		7/28/2011			TRUE	TRUE	TRUE					
2063	SR46064Y	SSG	EMPLACED_CNTR	3/19/2011 9:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/10/2010		11/10/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2064	SR46064Z	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	3/15/2011		3/15/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2065	SR46065O	SSG	EMPLACED_CNTR	2/25/2012 13:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/10/2010		6/10/2010				TRUE	TRUE	TRUE					
2066	SR46065P	SSG	EMPLACED_CNTR	4/10/2011 12:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2067	SR46065PA	SSG	EMPLACED_CNTR	3/20/2011 9:40	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	SS400		0	6/11/2010		6/11/2010		12/4/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2068	SR46065Q	SSG	EMPLACED_CNTR	3/19/2011 9:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2069	SR46065R	SSG	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2070	SR46065S	SSG	EMPLACED_CNTR	3/19/2011 9:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2071	SR46065T	SSG	EMPLACED_CNTR	11/29/2012 13:13	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/31/2011		1/31/2011				TRUE	TRUE	TRUE					
2072	SR46065U	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/5/2012 19:02	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	1/3/2012		1/3/2012			- Rpkgd into SR46065UA - Rpkgd into SR46065UB	TRUE	TRUE	TRUE					
2073	SR46065UA	SSG	APPROVED_CERT		4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400			4/15/1971	3/29/2011		3/29/2011			- Rpkgd Was SR46065U	TRUE	TRUE	TRUE			SR46065U		Daughter
2074	SR46065V	SSG	EMPLACED_CNTR	5/13/2012 9:56	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation	1	4/15/1971	3/14/2011		3/14/2011				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
											3/14/2011		3/14/2011					FALSE	FALSE	FALSE					
2075	SR46065VA	SSG	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			3/14/2011		3/14/2011					TRUE	FALSE	TRUE					
2076	SR46065VB	SSG	EMPLACED_CNTR	4/21/2012 9:47	4/19/2012 17:21	mccabed	SR-MD-PAD1	55400			3/14/2011		3/14/2011					TRUE	TRUE	TRUE					
2077	SR46065W	SSG	EMPLACED_CNTR	6/19/2012 12:46	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400	Remediate	1	4/15/1971	3/1/2011		3/1/2011				TRUE	TRUE	TRUE					
2078	SR46065WA	SSG	EMPLACED_CNTR	6/3/2012 13:21	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	55400		0	3/2/2011		3/2/2011		8/25/2011			TRUE	TRUE	TRUE					
2079	SR46065X	SSG	EMPLACED_CNTR	12/14/2011 14:20	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	6/11/2010		6/11/2010				TRUE	TRUE	TRUE					
2080	SR46065Y	SSG	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/12/2010		11/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2081	SR46065Z	SSG	EMPLACED_CNTR	2/26/2012 11:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/16/2010		12/16/2010				TRUE	TRUE	TRUE					
2082	SR46065ZA	SSG	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	55400		0	12/16/2010		12/16/2010		6/10/2011										
2083	SR46066RA	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/30/2011 20:47	mccabed	SR-MD-PAD1	55400	None		12/20/2011		12/20/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46066R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46066R		Daughter
2084	SR46066RB	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/30/2011 20:47	mccabed	SR-MD-PAD1	55400	None		12/20/2011		12/20/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46066R	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46066R		Daughter
2085	SR46066S	SSG	EMPLACED_CNTR	7/10/2012 10:48	10/5/2011 14:57	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/30/2011		9/30/2011		Contents Unknown (Not listed on Mound report); PCB Bulk Product Waste - Non Leachable added per LFox 100411	- Rpkgd into SR46065A	TRUE	TRUE	TRUE	Yes	5/26/2010			
2086	SR46065A	SSG	EMPLACED_CNTR	11/15/2012 12:47	10/5/2011 14:56	mccabed	SR-MD-PAD1	55400	None		9/30/2011		9/30/2011			Contents Unknown (Not listed on Mound report); PCB Bulk Product Waste - Non Leachable added per LFox 100411	- Rpkgd was SR46065	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46065		Daughter
2087	SR46066T	SSG	EMPLACED_CNTR	2/25/2012 13:49	11/17/2011 16:07	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	11/16/2011		11/16/2011			- Rpkgd into SR46066TA - Rpkgd into SR46066TB	TRUE	TRUE	TRUE					
2088	SR46066TA	SSG	EMPLACED_CNTR	2/24/2012 14:51	11/17/2011 16:07	mccabed	SR-MD-PAD1	55400	None		11/16/2011		11/16/2011				- Rpkgd was SR46066T	TRUE	TRUE	TRUE			SR46066T		Daughter
2089	SR46066TB	SSG	EMPLACED_CNTR	2/17/2012 15:57	11/17/2011 16:07	mccabed	SR-MD-PAD1	55400	None		11/16/2011		11/16/2011				- Rpkgd was SR46066T	TRUE	TRUE	TRUE			SR46066T		Daughter
2090	SR46066U	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/5/2012 19:00	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	1/3/2012	6/15/2011	1/3/2012			- Rpkgd into SR46066UA	TRUE	TRUE	TRUE					
2091	SR46066UA	SSG	EMPLACED_CNTR	4/27/2012 15:14	1/5/2012 19:00	mccabed	SR-MD-PAD1	55400	None		1/3/2012		1/3/2012				- Rpkgd was SR46066U	TRUE	TRUE	TRUE			SR46066U		Daughter
2092	SR46066V	SSG	EMPLACED_CNTR	11/15/2012 14:47	3/14/2012 15:59	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	1/5/2012		1/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46066VA - Rpkgd into SR46066VB	TRUE	TRUE	TRUE	Yes	5/26/2010			
2093	SR46066VA	SSG	EMPLACED_CNTR	10/25/2012 15:30	3/14/2012 15:59	mccabed	SR-MD-PAD1	55400	None		1/5/2012		1/5/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46066V	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46066V		Daughter
2094	SR46066VB	SSG	EMPLACED_CNTR	10/25/2012 15:30	3/14/2012 15:59	mccabed	SR-MD-PAD1	55400	None		1/5/2012		1/5/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46066V	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46066V		Daughter
2095	SR46066W	SSG	EMPLACED_CNTR	3/22/2012 14:59	12/31/2011 3:56	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	12/27/2011		12/27/2011				TRUE	TRUE	TRUE					
2096	SR46066X	SSG	EMPLACED_CNTR	5/23/2012 9:56	12/1/2011 10:03	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	11/28/2011		11/28/2011			- Rpkgd into SR46066XA - Rpkgd into SR46066XB	TRUE	TRUE	TRUE					
2097	SR46066XA	SSG	EMPLACED_CNTR	5/23/2012 9:56	12/1/2011 10:03	mccabed	SR-MD-PAD1	55400	None		11/28/2011		11/28/2011				- Rpkgd was SR46066X	TRUE	TRUE	TRUE			SR46066X		Daughter
2098	SR46066XB	SSG	EMPLACED_CNTR	6/5/2012 6:02	12/1/2011 10:03	mccabed	SR-MD-PAD1	55400	None		11/28/2011		11/28/2011				- Rpkgd was SR46066X	TRUE	TRUE	TRUE			SR46066X		Daughter
2099	SR46066Z	SSG	EMPLACED_CNTR	3/31/2012 15:25	1/5/2012 19:19	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	12/28/2011		12/28/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46066ZA	TRUE	TRUE	TRUE	Yes	5/26/2010			
2100	SR46066ZA	SSG	EMPLACED_CNTR	4/27/2012 15:14	1/5/2012 19:19	mccabed	SR-MD-PAD1	55400	None		12/28/2011		11/28/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46066Z	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46066Z		Daughter
2101	SR46067M	SSG	EMPLACED_CNTR	4/4/2011 19:30	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/15/2010		12/15/2010				TRUE	TRUE	TRUE					
2102	SR46067MA	SSG	EMPLACED_CNTR	5/10/2011 19:17	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	55400		0	12/15/2010		12/15/2010		6/9/2011										
2103	SR46067N	SSG	EMPLACED_CNTR	7/19/2012 14:32	1/20/2012 11:51	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	1/4/2012		1/4/2012			- Rpkgd into SR46067NA - Rpkgd into SR46067NB - Rpkgd into SR46067NC - Rpkgd into SR46067ND	TRUE	TRUE	TRUE					
2104	SR46067NA	SSG	PRESUB_CERT		1/20/2012 11:50	mccabed	SR-MD-PAD1	55400	None		1/4/2012		1/4/2012				- Rpkgd was SR46067N	TRUE	TRUE	TRUE			SR46067N		Daughter
2105	SR46067NB	SSG	EMPLACED_CNTR	4/27/2012 15:14	1/20/2012 11:50	mccabed	SR-MD-PAD1	55400	None		1/4/2012		1/4/2012				- Rpkgd was SR46067N	TRUE	TRUE	TRUE			SR46067N		Daughter
2106	SR46067NC	SSG	EMPLACED_CNTR	4/27/2012 15:14	1/20/2012 11:51	mccabed	SR-MD-PAD1	55400	None		1/4/2012		1/4/2012				- Rpkgd was SR46067N	TRUE	TRUE	TRUE			SR46067N		Daughter
2107	SR46067ND	SSG	EMPLACED_CNTR	6/14/2012 14:54	1/20/2012 11:51	mccabed	SR-MD-PAD1	55400	None		1/4/2012		1/4/2012					TRUE	TRUE	TRUE					
2108	SR46067O	SSG	EMPLACED_CNTR	3/18/2012 15:46	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/3/2010		12/3/2010				TRUE	TRUE	TRUE					
2109	SR46067P	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/5/2011 13:39	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/26/2011		9/26/2011			- Rpkgd into SR46067PA	TRUE	TRUE	TRUE	NA				
2110	SR46067PA	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/5/2011 13:39	mccabed	SR-MD-PAD1	55400	None		9/26/2011		9/26/2011				- Rpkgd was SR46067P	TRUE	TRUE	TRUE	NA		SR46067P		Daughter
2111	SR46067Q	SSG	PRESUB_CERT		6/15/2011 8:50	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	6/10/2011		6/10/2011			- Rpkgd into SR46067QA - Rpkgd into SR46067QB	TRUE	TRUE	TRUE					
2112	SR46067QA	SSG	EMPLACED_CNTR	10/30/2011 10:05	6/15/2011 8:50	mccabed	SR-MD-PAD1	55400	None		6/10/2011		6/10/2011				- Rpkgd was SR46067Q	TRUE	TRUE	TRUE			SR46067Q		Daughter
2113	SR46067QB	SSG	PRESUB_CERT		6/15/2011 8:50	mccabed	SR-MD-PAD1	55400	None		6/10/2011		6/10/2011				- Rpkgd was SR46067Q	TRUE	TRUE	TRUE			SR46067Q		Daughter
2114	SR46067R	SSG	EMPLACED_CNTR	6/1/2011 22:30	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400	Remediate	1	4/15/1971	3/4/2011		3/4/2011			Rpkgd into SR46067RA	TRUE	TRUE	TRUE					
2115	SR46067RA	SSG	EMPLACED_CNTR	6/1/2011 22:30	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			4/15/1971	3/4/2011		3/4/2011			- SR46067R	TRUE	TRUE	TRUE			SR46067R		Daughter
2116	SR46067S	SSG	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/11/2010		11/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2117	SR46067T	SSG	EMPLACED_CNTR	4/19/2011 12:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/16/2010		12/16/2010				TRUE	TRUE	TRUE					
2118	SR46067U	SSG	EMPLACED_CNTR	3/7/2011 19:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/9/2010		11/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2119	SR46067V	SSG	EMPLACED_CNTR	4/18/2011 21:33	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/26/2011		1/26/2011				TRUE	TRUE	TRUE					
2120	SR46067W	SSG	EMPLACED_CNTR	4/18/2011 21:33	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	2/2/2011		2/2/2011				TRUE	TRUE	TRUE					
2121	SR46067X	SSG	EMPLACED_CNTR	11/29/2012 14:31	8/21/2012 12:51	mccabed	SR-MD-PAD1	55400	None		4/15/1971	10/25/2011		10/25/2011		Received missing procedure to update closuredate1 and ventdate1 221-F-55006 Tru Drum Repackaging today 082112.		TRUE	TRUE	TRUE					
2122	SR46067Y	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/11/2010		11/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2123	SR46067Z	SSG	EMPLACED_CNTR	12/14/2011 14:22	10/27/2011 15:02	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/25/2011		10/25/2011				TRUE	TRUE	TRUE					
2124	SR46068N	SSG	PRESUB_CERT		10/5/2011 15:07	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	10/3/2011		10/3/2011			- Rpkgd into SR46068NA - Rpkgd into SR46068NB	TRUE	TRUE	TRUE					
2125	SR46068NA	SSG	EMPLACED_CNTR	4/11/2012 15:02	10/4/2011 15:06	mccabed	SR-MD-PAD1	55400	None		10/3/2011		10/3/2011				- Rpkgd was SR46068N	TRUE	TRUE	TRUE			SR46068N		Daughter
2126	SR46068NB	SSG	EMPLACED_CNTR	5/6/2012 9:43	10/6/2011 15:07	mccabed	SR-MD-PAD1	55400	None		10/3/2011		10/3/2011				- Rpkgd was SR46068N	TRUE	TRUE	TRUE			SR46068N		Daughter
2127	SR46068O	SSG	EMPLACED_CNTR	11/16/2012 13:34	6/13/2012 12:34	mccabed	SR-MD-PAD1	55400	None		4/15/1971	6/6/2012		6/6/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR46068OA	TRUE	TRUE	TRUE					
2128	SR46068OA	SSG	APPROVED_CERT		6/13/2012 12:34	mccabed	SR-MD-PAD1	55400	None		6/6/2012		6/6/2012				- Rpkgd was SR46068O	TRUE	TRUE	TRUE			SR46068O		Daughter
2129	SR46068OB	SSG	EMPLACED_CNTR	10/9/2011 11:09	6/1/2011 10:34	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	5/26/2011		5/26/2011			Rpkgd into SR46068OA	TRUE	TRUE	TRUE					
2130	SR46068OA	SSG	EMPLACED_CNTR	10/9/2011 14:07	6/1/2011 10:34	mccabed	SR-MD-PAD1	55400	None		5/26/2011		5/26/2011				- Rpkgd was SR46068OB	TRUE	TRUE	TRUE			SR46068O		Daughter
2131	SR46068R	SSG	EMPLACED_CNTR	5/5/2011 21:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/26/2011		1/26/2011				TRUE	TRUE	TRUE					
2132	SR46068RA	SSG	EMPLACED_CNTR	5/12/2011 19:36	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	55400		0	1/26/2011		1/26/2011		7/21/2011			TRUE	TRUE	TRUE					
2133	SR46068S	SSG	EMPLACED_CNTR	4/20/2011 12:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	2/1/2011		2/1/2011				TRUE	TRUE	TRUE					
2134	SR46068SA	SSG	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	kdcwebuser	SR-MD-PAD1	55400		0	2/1/2011		2/1/2011		7/27/2011			TRUE	TRUE	TRUE					
2135	SR46068T	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/15/2010		11/15/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2136	SR46068U	SSG	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2137	SR46068V	SSG	EMPLACED_CNTR	11/9/2011 22:36	7/6/2011 17:06	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	6/30/2011		6/30/2011			- Rpkgd into SR46068VA - Rpkgd was SR46068V	TRUE	TRUE	TRUE			SR46068V		Daughter
2138	SR46068VA	SSG	EMPLACED_CNTR	10/30/2011 9:40	7/6/2011 17:06	mccabed	SR-MD-PAD1	55400	None		6/30/2011		6/30/2011					TRUE	TRUE	TRUE					
2139	SR46068W	SSG	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/17/2010		11/17/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2140	SR46068X	55G	APPROVED_CERT		10/9/2012 23:22	mccabed	SR-MD-PAD1	55400	Remediate	1	4/15/1971	8/14/2012	12/2/2030	8/14/2012		Excluded per MPapp email 031411; WS removed per JHarrison email 012612; 221-F-55006 Tru Drum Repackaging; Unexcluded and WS added per LWatson email 100912.	- Rpkgd into SR46068XB	TRUE	TRUE	TRUE					
2141	SR46068XA	55G	PRESUB_CERT		4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	12/2/2030		12/2/2030		5/27/2011			TRUE	TRUE	TRUE					
2142	SR46068XB	55G	EMPLACED_CNTR	4/4/2013 15:21	10/9/2012 23:23	mccabed	SR-MD-PAD1	55400	None		8/14/2012		8/14/2012			Parent Excluded per MPapp email 031411; Parent WS removed per JHarrison email 012612; Unexcluded and WS added per LWatson email 100912.	- Rpkgd was SR46068X	TRUE	TRUE	TRUE			SR46068X		Daughter
2143	SR46068Y	55G	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/24/2011		1/24/2011				TRUE	TRUE	TRUE					
2144	SR46068YA	55G	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	1/24/2011		1/24/2011		7/19/2011			TRUE	TRUE	TRUE					
2145	SR46068YB	55G	EMPLACED_CNTR	11/18/2012 12:38	5/1/2012 14:52	mccabed	SR-MD-PAD1	55400				8/9/2011		8/9/2011		SWD11020 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR46068Y		Repack
2146	SR46068Z	55G	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2147	SR46069M	55G	EMPLACED_CNTR	4/10/2011 12:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/5/2011		1/5/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2148	SR46069N	55G	EMPLACED_CNTR	6/27/2012 13:15	4/19/2012 9:46	mccabed	SR-MD-PAD1	55400	None		4/15/1971	4/16/2012		4/16/2012		221-F-55006 Tru Drum repacking.	- Rpkgd into SR46069NA - Rpkgd into SR46069NB - Rpkgd into SR46069NC	TRUE	TRUE	TRUE					
2149	SR46069NA	55G	EMPLACED_CNTR	12/7/2012 9:29	4/19/2012 9:45	mccabed	SR-MD-PAD1	55400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking.	- Rpkgd was SR46069N	TRUE	TRUE	TRUE			SR46069N		Daughter
2150	SR46069NB	55G	PRESUB_CERT		4/19/2012 9:45	mccabed	SR-MD-PAD1	55400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking.	- Rpkgd was SR46069N	TRUE	TRUE	TRUE			SR46069N		Daughter
2151	SR46069NC	55G	PRESUB_CERT		4/19/2012 9:46	mccabed	SR-MD-PAD1	55400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking.	- Rpkgd was SR46069N	TRUE	TRUE	TRUE			SR46069N		Daughter
2152	SR46069O	55G	EMPLACED_CNTR	6/2/2012 13:52	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400	Remediation	1	4/15/1971	4/19/2011		4/19/2011			- Rpkgd into SR46069OA - Rpkgd into SR46069OB - Rpkgd into SR46069OC	TRUE	TRUE	TRUE					
2153	SR46069OA	55G	EMPLACED_CNTR	8/25/2011 19:26	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			4/15/1971	4/19/2011		4/19/2011			- Rpkgd Was SR46069O	TRUE	TRUE	TRUE			SR46069O		Repack
2154	SR46069OB	55G	PRESUB_CERT		4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			4/15/1971	4/19/2011		4/19/2011			- Rpkgd Was SR46069O	TRUE	TRUE	TRUE			SR46069O		Daughter
2155	SR46069OC	55G	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			4/15/1971	4/19/2011		4/19/2011			- Rpkgd Was SR46069O	TRUE	TRUE	TRUE			SR46069O		Daughter
2156	SR46069P	55G	PRESUB_CERT		10/5/2011 13:00	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/28/2011		9/28/2011			- Rpkgd into SR46069PA - Rpkgd into SR46069PB	TRUE	TRUE	TRUE					
2157	SR46069PA	55G	EMPLACED_CNTR	1/4/2012 13:45	10/5/2011 12:59	mccabed	SR-MD-PAD1	55400	None		9/28/2011		9/28/2011				- Rpkgd was SR46069P	TRUE	TRUE	TRUE			SR46069P		Daughter
2158	SR46069PB	55G	APPROVED_CERT		4/10/2012 13:51	mccabed	SR-MD-PAD1	55400	None		9/28/2011	3/28/2012	9/28/2011	3/28/2012		Tru Drum Repacking 221-F-55006.	- Rpkgd was SR46069P - Rpkgd into SR46069PC - Rpkgd into SR46069PD	TRUE	TRUE	TRUE					
2159	SR46069PC	55G	EMPLACED_CNTR	11/20/2012 14:31	4/10/2012 13:51	mccabed	SR-MD-PAD1	55400	None		3/28/2012		3/28/2012				- Rpkgd was SR46069P - Rpkgd was SR46069PB	TRUE	TRUE	TRUE			SR46069PB	SR46069P	Daughter
2160	SR46069PD	55G	EMPLACED_CNTR	5/30/2012 9:05	4/10/2012 13:51	mccabed	SR-MD-PAD1	55400	None		3/28/2012		3/28/2012				- Rpkgd was SR46069P - Rpkgd was SR46069PB	TRUE	TRUE	TRUE			SR46069PB		Daughter
2161	SR46069Q	55G	EMPLACED_CNTR	1/16/2013 15:01	6/21/2012 10:40	mccabed	SR-MD-PAD1	55400	Vent		4/15/1971	6/18/2012	10/12/2011	6/18/2012		221-F-55006 Tru Drum Repackaging.	- Rpkgd into SR46069QA	TRUE	TRUE	TRUE					
2162	SR46069QA	55G	EMPLACED_CNTR	1/16/2013 15:01	6/21/2012 10:40	mccabed	SR-MD-PAD1	55400	Vent		6/18/2012		6/18/2012				- Rpkgd was SR46069Q	TRUE	TRUE	TRUE			SR46069Q		Daughter
2163	SR46069R	55G	EMPLACED_CNTR	4/4/2011 19:30	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/13/2010		12/13/2010				TRUE	TRUE	TRUE					
2164	SR46069RA	55G	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	12/13/2010		12/13/2010		6/7/2011			TRUE	TRUE	TRUE					
2165	SR46069S	55G	EMPLACED_CNTR	4/4/2011 19:30	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/7/2010		12/7/2010				TRUE	TRUE	TRUE					
2166	SR46069SA	55G	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	12/7/2010		12/7/2010		6/1/2011			TRUE	TRUE	TRUE					
2167	SR46069U	55G	EMPLACED_CNTR	3/7/2011 19:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/4/2010		11/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2168	SR46069V	55G	EMPLACED_CNTR	9/19/2011 23:50	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	3/8/2011		3/8/2011				TRUE	TRUE	TRUE					
2169	SR46069VA	55G	EMPLACED_CNTR	8/27/2011 14:35	4/28/2011 6:00	mccabed	SR-MD-PAD1	55400			3/8/2011		3/8/2011					FALSE	FALSE	FALSE					
2170	SR46069W	55G	EMPLACED_CNTR	2/24/2011 14:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/17/2010		11/17/2010				TRUE	TRUE	TRUE					
2171	SR46069Y	55G	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/16/2010		11/16/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2172	SR46069Z	55G	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/16/2010		11/16/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2173	SR46070M	55G	EMPLACED_CNTR	5/6/2012 9:42	11/30/2011 16:06	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	11/29/2011		11/29/2011			- Rpkgd into SR46070MA - Rpkgd into SR46070MB - Rpkgd into SR46070MC	TRUE	TRUE	TRUE					
2174	SR46070MA	55G	EMPLACED_CNTR	6/5/2012 6:02	11/30/2011 16:03	mccabed	SR-MD-PAD1	55400	None		11/29/2011		11/29/2011				- Rpkgd was SR46070M	TRUE	TRUE	TRUE			SR46070M		Daughter
2175	SR46070MB	55G	EMPLACED_CNTR	5/6/2012 9:42	11/30/2011 16:05	mccabed	SR-MD-PAD1	55400	None		11/29/2011		11/29/2011				- Rpkgd was SR46070M	TRUE	TRUE	TRUE			SR46070M		Daughter
2176	SR46070MC	55G	PRESUB_CERT		11/30/2011 16:06	mccabed	SR-MD-PAD1	55400	None		11/29/2011		11/29/2011				- Rpkgd was SR46070M	TRUE	TRUE	TRUE			SR46070M		Daughter
2177	SR46070N	55G	EMPLACED_CNTR	3/7/2011 18:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/10/2010		11/10/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2178	SR46070O	55G	EMPLACED_CNTR	4/20/2011 22:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	12/7/2010		12/7/2010				TRUE	TRUE	TRUE					
2179	SR46070OA	55G	EMPLACED_CNTR	5/10/2011 21:15	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	12/7/2010		12/7/2010		6/1/2011			TRUE	TRUE	TRUE					
2180	SR46070P	55G	EMPLACED_CNTR	2/26/2012 13:28	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/3/2010		11/3/2010				TRUE	TRUE	TRUE					
2181	SR46070Q	55G	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/8/2010		11/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2182	SR46070R	55G	EMPLACED_CNTR	7/7/2012 10:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/8/2010		11/8/2010				TRUE	TRUE	TRUE					
2183	SR46070S	55G	EMPLACED_CNTR	3/9/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/2/2010		11/2/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2184	SR46070U	55G	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/5/2010		11/5/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2185	SR46070V	55G	EMPLACED_CNTR	11/29/2012 13:13	1/12/2012 15:45	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/20/2011		9/20/2011			- Rpkgd into SR46070VA - Rpkgd into SR46070VB	TRUE	TRUE	TRUE					
2186	SR46070VA	55G	EMPLACED_CNTR	5/8/2012 13:39	1/12/2012 15:44	mccabed	SR-MD-PAD1	55400	None		9/20/2011		9/20/2011				- Rpkgd was SR46070V	TRUE	TRUE	TRUE			SR46070V		Daughter
2187	SR46070VB	55G	EMPLACED_CNTR	7/1/2012 14:14	1/12/2012 15:45	mccabed	SR-MD-PAD1	55400	None		9/20/2011		9/20/2011				- Rpkgd was SR46070V	TRUE	TRUE	TRUE			SR46070V		Daughter
2188	SR46070Y	55G	EMPLACED_CNTR	3/9/2011 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/10/2010		11/10/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2189	SR46070Z	55G	EMPLACED_CNTR	11/28/2012 10:52	5/1/2011 16:46	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	4/26/2011		4/26/2011			- Rpkgd into SR46070ZA - Rpkgd into SR46070ZB	TRUE	TRUE	TRUE					
2190	SR46070ZA	55G	EMPLACED_CNTR	8/17/2011 0:03	5/2/2011 16:45	mccabed	SR-MD-PAD1	55400	None		4/26/2011		4/26/2011				- Rpkgd was SR46070Z	TRUE	TRUE	TRUE			SR46070Z		Repack
2191	SR46070ZB	55G	EMPLACED_CNTR	10/8/2011 13:09	5/2/2011 16:46	mccabed	SR-MD-PAD1	55400	None		4/26/2011		4/26/2011				- Rpkgd was SR46070Z	TRUE	TRUE	TRUE			SR46070Z		Repack
2192	SR46071N	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/4/2011		1/4/2011		Previously Remediated on 6/1/2010		TRUE	TRUE	TRUE					
2193	SR46071O	55G	EMPLACED_CNTR	3/20/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	11/5/2010		11/5/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2194	SR46071P	55G	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	5/23/2010		5/23/2010											
2195	SR46071Q	55G	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	6/9/2010		6/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2196	SR46071R	55G	EMPLACED_CNTR	1/4/2012 13:45	8/22/2011 15:54	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	8/16/2011		8/16/2011			- Rpkgd into SR46071RA - Rpkgd into SR46071RB - Rpkgd into SR46071RC	TRUE	TRUE	TRUE					
2197	SR46071RA	55G	PRESUB_CERT		8/22/2011 15:53	mccabed	SR-MD-PAD1	55400	None		8/16/2011		8/16/2011				- Rpkgd was SR46071R	TRUE	TRUE	TRUE			SR46071R		Daughter
2198	SR46071RB	55G	EMPLACED_CNTR	1/10/2012 12:47	8/22/2011 15:54	mccabed	SR-MD-PAD1	55400	None		8/16/2011		8/16/2011				- Rpkgd was SR46071R	TRUE	TRUE	TRUE			SR46071R		Daughter
2199	SR46071RC	55G	PRESUB_CERT		8/22/2011 15:54	mccabed	SR-MD-PAD1	55400	None		8/16/2011		8/16/2011				- Rpkgd was SR46071R	TRUE	TRUE	TRUE			SR46071R		Daughter
2200	SR46071S	55G	EMPLACED_CNTR	5/15/2011 10:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	1/6/2011		1/6/2011				TRUE	TRUE	TRUE					
2201	SR46071SA	55G	EMPLACED_CNTR	5/15/2011 10:41	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	55400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
2202	SR46071T	55G	PRESUB_CERT		9/26/2011 9:13	mccabed	SR-MD-PAD1	55400	Remediation		4/15/1971	9/20/2011		9/20/2011			- Rpkgd into SR46071TA - Rpkgd into SR46071TB - Rpkgd into SR46071TC	TRUE	TRUE	TRUE					
2203	SR46071TA	55G	PRESUB_CERT		9/26/2011 9:12	mccabed	SR-MD-PAD1	55400	None		9/20/2011		9/20/2011				- Rpkgd was SR46071T	TRUE	TRUE	TRUE			SR46071T		Daughter
2204	SR46071TB	55G	EMPLACED_CNTR	1/4/2012 13:45	9/26/2011 9:12	mccabed	SR-MD-PAD1	55400	None		9/20/2011		9/20/2011				- Rpkgd was SR46071T	TRUE	TRUE	TRUE			SR46071T		Daughter
2205	SR46071TC	55G	EMPLACED_CNTR	1/10/2012 12:47	9/26/2011 9:13	mccabed	SR-MD-PAD1	55400	None		9/20/2011		9/20/2011				- Rpkgd was SR46071T	TRUE	TRUE	TRUE			SR46071T		Daughter
2206	SR46071V	55G	EMPLACED_CNTR	2/26/2012 14:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	6/9/2010		6/9/2010				TRUE	TRUE	TRUE					
2207	SR46071W	55G	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	5/26/2010		5/26/2010											
2208	SR46071X	55G	EMPLACED_CNTR	5/1/2011 13:10	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	55400	Remediate	1	4/15/1971	7/1/2011		7/1/2011				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2209	SR46071XA	SSG	EMPLACED_CNTR	5/10/2011 21:16	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	SS400		0	2/1/2011		2/1/2011		7/27/2011			TRUE	TRUE	TRUE					
2210	SR46071Y	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/21/2010		11/21/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2211	SR46071YA	SSG	EMPLACED_CNTR	5/10/2011 19:17	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	SS400		0	11/21/2010		11/21/2010		5/16/2011			TRUE	TRUE	TRUE					
2212	SR46071Z	SSG	PRESUB_CERT		10/15/2012 14:06	mccabed	SR-MD-PAD1	SS400			4/15/1971	10/3/2012		10/3/2012		PCB Waste PCB Bulk Product Waste - Non Leachable: 221-F-55006	- Rpkgd into SR46071ZA	TRUE	TRUE	TRUE	Yes	5/26/2010			
2213	SR46071ZA	SSG	PRESUB_CERT		10/15/2012 14:06	mccabed	SR-MD-PAD1	SS400			10/3/2012		10/3/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46071Z	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46071Z		Daughter
2214	SR46072M	SSG	EMPLACED_CNTR	11/15/2012 12:47	6/6/2012 16:26	mccabed	SR-MD-PAD1	SS400	Vent		4/15/1971	6/4/2012		6/4/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging	- Rpkgd into SR46072MA - Rpkgd into SR46072MB	TRUE	TRUE	TRUE	Yes	5/26/2010			
2215	SR46072MA	SSG	EMPLACED_CNTR	8/8/2012 14:36	6/6/2012 16:25	mccabed	SR-MD-PAD1	SS400	None		6/4/2012		6/4/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR46072M	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46072M		Daughter
2216	SR46072N	SWB	EMPLACED_CNTR	4/27/2013 15:50	8/14/2012 15:53	mccabed	SR-MD-PAD1	SS400			4/15/1971	7/12/2012		7/12/2012		PCB Waste PCB Bulk Product Waste - Non Leachable: 55gal drum temporarily placed in SWB for fast scan per GLumsford email 080812;	- Rpkgd into SR46072NA - Rpkgd into SR46072NB - Rpkgd into SR46072NC - Rpkgd into SR46072ND - Rpkgd into SR46072NE - Rpkgd into SR46072NF - Rpkgd into SR46072NG - Rpkgd into SR46072NH	TRUE	TRUE	TRUE	Yes	5/26/2010			
2217	SR46072O	SWB	APPROVED_CERT		10/3/2012 9:56	mccabed	SR-MD-PAD1	SS400			9/24/2012	9/24/2012	9/24/2012	9/24/2012		55gal drum temporarily placed in SWB for fast scan per GLumsford email 080812; Waste Generation Date: 4/15/1971; 221-F-55078 Tru Waste Container Remediation.	- Rpkgd into SR46072OA - Rpkgd into SR46072OB	TRUE	TRUE	TRUE					
2218	SR46072OA	SSG	PRESUB_CERT		10/3/2012 9:56	mccabed	SR-MD-PAD1	SS400			9/24/2012		9/24/2012				- Rpkgd was SR46072O	TRUE	TRUE	TRUE			SR46072O		Daughter
2219	SR46072OB	SSG	APPROVED_CERT		10/3/2012 9:56	mccabed	SR-MD-PAD1	SS400			9/24/2012		9/24/2012				- Rpkgd was SR46072O	TRUE	TRUE	TRUE			SR46072O		Daughter
2220	SR46072P	SWB	APPROVED_CERT		9/20/2012 8:48	mccabed	SR-MD-PAD1	SS400			4/15/1971	9/14/2012		9/14/2012		55gal drum temporarily placed in SWB for fast scan per GLumsford email 080812; 221-F-55078	- Rpkgd into SR46072PA - Rpkgd into SR46072PB	TRUE	TRUE	TRUE					
2221	SR46072PA	SSG	PRESUB_CERT		9/20/2012 8:47	mccabed	SR-MD-PAD1	SS400			9/14/2012		9/14/2012				- Rpkgd was SR46072P	TRUE	TRUE	TRUE			SR46072P		Daughter
2222	SR46072PB	SSG	PRESUB_CERT		9/20/2012 8:48	mccabed	SR-MD-PAD1	SS400			9/14/2012		9/14/2012				- Rpkgd was SR46072P	TRUE	TRUE	TRUE			SR46072P		Daughter
2223	SR46072Q	SWB	APPROVED_CERT		9/11/2012 9:41	mccabed	SR-MD-PAD1	SS400			7/9/2012	8/28/2012	7/9/2012	8/28/2012		Waste Generation Date is 4/15/1971.	- Rpkgd into SR46072QA	TRUE	TRUE	TRUE					
2224	SR46072QA	SSG	APPROVED_CERT		9/25/2012 9:53	mccabed	SR-MD-PAD1	SS400			8/28/2012	9/17/2012	8/28/2012	9/17/2012		221-F-55006	- Rpkgd was SR46072Q	TRUE	TRUE	TRUE			SR46072Q		Daughter
2225	SR46072R	SWB	EMPLACED_CNTR	12/12/2012 10:46	9/11/2012 17:02	mccabed	SR-MD-PAD1	SS400			7/9/2012	8/28/2012	7/9/2012	8/28/2012		Waste Generation date is 4/15/1971	- Rpkgd into SR46072RA	TRUE	TRUE	TRUE					
2226	SR46072RA	SSG	EMPLACED_CNTR	11/16/2012 10:11	9/19/2012 10:35	mccabed	SR-MD-PAD1	SS400			8/28/2012	9/13/2012	8/28/2012	9/13/2012		221-F-55006	- Rpkgd was SR46072R	TRUE	TRUE	TRUE			SR46072R		Daughter
2227	SR46072S	SWB	APPROVED_CERT		9/12/2012 13:19	mccabed	SR-MD-PAD1	SS400			7/10/2012	9/8/2012	7/10/2012	9/8/2012		Waste Generation Date is 7/15/1971; 221-F-55078 Tru Waste Container Remediation.	- Rpkgd into SR46072SA	TRUE	TRUE	TRUE					
2228	SR46072SA	SSG	PRESUB_CERT		9/25/2012 9:54	mccabed	SR-MD-PAD1	SS400			9/8/2012	9/18/2012	9/8/2012	9/18/2012		221-F-55006	- Rpkgd was SR46072S	TRUE	TRUE	TRUE			SR46072S		Daughter
2229	SR46072T	SSG	EMPLACED_CNTR	4/26/2013 14:53	8/27/2012 17:48	mccabed	SR-MD-PAD1	SS400			4/15/1971	8/20/2012		8/20/2012		221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					
2230	SR46072UA	SSG	APPROVED_CERT		9/25/2012 9:54	mccabed	SR-MD-PAD1	SS400			9/12/2012	9/18/2012	9/12/2012	9/18/2012		221-F-55006	- Rpkgd was SR46072U	TRUE	TRUE	TRUE			SR46072U		Daughter
2231	SR46072V	SSG	APPROVED_CERT		9/10/2012 13:47	mccabed	SR-MD-PAD1	SS400			4/15/1971	8/30/2012		8/30/2012		221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					
2232	SR46072W	SSG	EMPLACED_CNTR	11/20/2012 14:31	9/5/2012 9:48	mccabed	SR-MD-PAD1	SS400			4/15/1971	8/27/2012		8/27/2012		221-F-55006		TRUE	TRUE	TRUE					
2233	SR46072X	SSG	EMPLACED_CNTR	12/6/2012 13:41	9/5/2012 9:48	mccabed	SR-MD-PAD1	SS400			4/15/1971	8/27/2012		8/27/2012		221-F-55006		TRUE	TRUE	TRUE					
2234	SR46072Y	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/19/2012 10:36	mccabed	SR-MD-PAD1	SS400			4/15/1971	9/12/2012		9/12/2012		221-F-55006	- Rpkgd into SR46072YA	TRUE	TRUE	TRUE					
2235	SR46072YA	SSG	APPROVED_CERT		9/19/2012 10:36	mccabed	SR-MD-PAD1	SS400			9/12/2012		9/12/2012				- Rpkgd was SR46072Y	TRUE	TRUE	TRUE			SR46072Y		Daughter
2236	SR46072Z	SSG	PRESUB_CERT		8/27/2012 17:48	mccabed	SR-MD-PAD1	SS400			4/15/1971	8/20/2012		8/20/2012		221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					
2237	SR46073M	SSG	EMPLACED_CNTR	4/18/2011 21:33	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	1/7/2011		1/7/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2238	SR46073N	SSG	EMPLACED_CNTR	11/16/2011 11:01	6/30/2011 17:04	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	8/23/2011		8/23/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2239	SR46073O	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	4/6/2011		4/6/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR46073OA - Rpkgd into SR46073PA - Rpkgd into SR46073PB - Rpkgd into SR46073PC	TRUE	TRUE	TRUE	Yes	5/26/2010			
2240	SR46073P	SSG	EMPLACED_CNTR	11/18/2012 10:46	6/22/2012 9:01	mccabed	SR-MD-PAD1	SS400	Vent		4/15/1971	6/13/2012	8/30/2011	6/13/2012		221-F-55006 Tru Drum Repackaging	Rpkgd into SR46073PU	TRUE	TRUE	TRUE					
2241	SR46073PB	SSG	EMPLACED_CNTR	1/16/2013 15:01	6/22/2012 9:00	mccabed	SR-MD-PAD1	SS400	None		6/13/2012		6/13/2012				- Rpkgd was SR46073P	TRUE	TRUE	TRUE			SR46073P		Daughter
2242	SR46073PC	SSG	APPROVED_CERT		6/22/2012 9:00	mccabed	SR-MD-PAD1	SS400	None		6/13/2012		6/13/2012				- Rpkgd was SR46073P	TRUE	TRUE	TRUE			SR46073P		Daughter
2243	SR46073PD	SSG	EMPLACED_CNTR	11/15/2012 14:02	6/22/2012 9:01	mccabed	SR-MD-PAD1	SS400	None		6/13/2012		6/13/2012				- Rpkgd was SR46073P	TRUE	TRUE	TRUE			SR46073P		Daughter
2244	SR46073Q	SSG	PRESUB_CERT		4/3/2012 17:18	mccabed	SR-MD-PAD1	SS400	None		4/15/1971	3/28/2012	5/9/2011	3/28/2012		TRU Drum Repacking	- Rpkgd into SR46073QA - Rpkgd into SR46073QB - Rpkgd into SR46073QC	TRUE	TRUE	TRUE					
2245	SR46073QA	SSG	EMPLACED_CNTR	7/6/2012 10:59	4/3/2012 17:17	mccabed	SR-MD-PAD1	SS400	None		3/28/2012		3/28/2012				- Rpkgd was SR46073Q	TRUE	TRUE	TRUE			SR46073Q		Daughter
2246	SR46073QB	SSG	EMPLACED_CNTR	11/28/2012 10:52	4/3/2012 17:17	mccabed	SR-MD-PAD1	SS400	None		3/28/2012		3/28/2012				- Rpkgd was SR46073Q	TRUE	TRUE	TRUE			SR46073Q		Daughter
2247	SR46073QC	SSG	EMPLACED_CNTR	6/2/2012 13:52	4/3/2012 17:18	mccabed	SR-MD-PAD1	SS400	None		3/28/2012		3/28/2012				- Rpkgd was SR46073Q	TRUE	TRUE	TRUE			SR46073Q		Daughter
2248	SR46073R	SSG	EMPLACED_CNTR	2/18/2012 9:38	11/3/2011 14:44	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	11/1/2011		11/1/2011			- Rpkgd into SR46073RA - Rpkgd into SR46073RB - Rpkgd into SR46073RC	TRUE	TRUE	TRUE					
2249	SR46073RB	SSG	PRESUB_CERT		11/3/2011 14:43	mccabed	SR-MD-PAD1	SS400	None		11/1/2011		11/1/2011				- Rpkgd was SR46073R	TRUE	TRUE	TRUE			SR46073R		Daughter
2250	SR46073RC	SSG	EMPLACED_CNTR	4/21/2012 9:47	11/3/2011 14:44	mccabed	SR-MD-PAD1	SS400	None		11/1/2011		11/1/2011				- Rpkgd was SR46073R	TRUE	TRUE	TRUE			SR46073R		Daughter
2251	SR46073S	SSG	EMPLACED_CNTR	11/18/2012 12:47	5/6/2012 16:56	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	5/1/2012	3/14/2012	5/1/2012		Remediated 3/14/2012; 221-F-55006 performed 5/1/2012.	Rpkgd into SR46073SA - Rpkgd into SR46073SB	TRUE	TRUE	TRUE					
2252	SR46073SA	SSG	EMPLACED_CNTR	6/2/2012 12:59	3/19/2012 16:11	mccabed	SR-MD-PAD1	SS400	None		3/14/2012		3/14/2012				- Rpkgd was SR46073S	TRUE	TRUE	TRUE			SR46073S		Daughter
2253	SR46073SB	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/8/2012 16:56	mccabed	SR-MD-PAD1	SS400	None		5/1/2012		5/1/2012				- Rpkgd was SR46073S	TRUE	TRUE	TRUE			SR46073S		Daughter
2254	SR46073T	SSG	EMPLACED_CNTR	4/4/2011 19:30	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	12/8/2010		12/8/2010				TRUE	TRUE	TRUE					
2255	SR46073TA	SSG	EMPLACED_CNTR	5/30/2011 19:17	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	SS400		0	12/8/2010		12/8/2010		6/2/2011			TRUE	TRUE	TRUE					
2256	SR46073U	SSG	EMPLACED_CNTR	12/26/2011 13:47	10/24/2011 10:49	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	10/18/2011		10/18/2011			- Rpkgd into SR46073UA	TRUE	TRUE	TRUE					
2257	SR46073UA	SSG	EMPLACED_CNTR	2/16/2012 13:13	10/24/2011 10:49	mccabed	SR-MD-PAD1	SS400	None		10/18/2011		10/18/2011				- Rpkgd was SR46073U	TRUE	TRUE	TRUE			SR46073U		Daughter
2258	SR46073W	SSG	EMPLACED_CNTR	5/5/2011 21:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	6/10/2010		6/10/2010				TRUE	TRUE	TRUE					
2259	SR46073X	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	10/21/2010		10/21/2010											
2260	SR46073Y	SSG	EMPLACED_CNTR	6/2/2012 13:52	3/22/2012 9:57	mccabed	SR-MD-PAD1	SS400	Vent		4/15/1971	3/16/2012	8/30/2011	3/16/2012		PCB Waste PCB Bulk Product Waste - Non Leachable: Tru drum repacking 221-F-55006.		TRUE	TRUE	TRUE	Yes	5/26/2010			
2261	SR46073Z	SSG	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	2/8/2011		2/8/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2262	SR46073ZA	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	SS400		0	2/8/2011		2/8/2011		8/3/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2263	SR46074M	SSG	EMPLACED_CNTR	3/9/2011 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	11/9/2010		11/9/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2264	SR46074N	SSG	EMPLACED_CNTR	12/14/2011 14:20	9/29/2011 10:03	mccabed	SR-MD-PAD1	SS400	Remediation		4/15/1971	9/22/2011		9/22/2011			- Rpkgd into SR46074NA - Rpkgd into SR46074NB	TRUE	TRUE	TRUE					
2265	SR46074NA	SSG	EMPLACED_CNTR	4/1/2012 9:47	9/29/2011 10:03	mccabed	SR-MD-PAD1	SS400	None		9/22/2011		9/22/2011				- Rpkgd was SR46074N	TRUE	TRUE	TRUE			SR46074N		Daughter
2266	SR46074NB	SSG	EMPLACED_CNTR	2/16/2012 13:13	9/29/2011 10:03	mccabed	SR-MD-PAD1	SS400	None		9/22/2011		9/22/2011				- Rpkgd was SR46074N	TRUE	TRUE	TRUE			SR46074N		Daughter
2267	SR46074O	SSG	EMPLACED_CNTR	3/9/2011 22:04	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	SS400	Remediate	1	4/15/1971	10/12/2010		10/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2268	SR46074PA	SSG	EMPLACED_CNTR	9/22/2011 0:01	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	SS400		0	12/15/2010		12/15/2010		6/9/2011			TRUE	TRUE	TRUE					
2269	SR46074Q	SSG	APPROVED_CERT		4/19/2012 9:44	mccabed	SR-MD-PAD1	SS400	None		4/15/1971	4/16/2012		4/16/2012		221-F-55006 Tru Drum repacking	- Rpkgd into SR46074QA - Rpkgd into SR46074QB - Rpkgd into SR46074QC	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2270	SR46074QA	SSG	PRESUB_CERT		4/19/2012 9:43	mccabed	SR-MD-PAD1	S5400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking	- Rpkgd was SR46074Q	TRUE	TRUE	TRUE			SR46074Q		Daughter
2271	SR46074QB	SSG	PRESUB_CERT		4/19/2012 9:43	mccabed	SR-MD-PAD1	S5400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking	- Rpkgd was SR46074Q	TRUE	TRUE	TRUE			SR46074Q		Daughter
2272	SR46074QC	SSG	EMPLACED_CNTR	11/15/2012 12:50	4/19/2012 9:43	mccabed	SR-MD-PAD1	S5400	None		4/16/2012		4/16/2012			221-F-55006 Tru Drum repacking	- Rpkgd was SR46074Q	TRUE	TRUE	TRUE			SR46074Q		Daughter
2273	SR46074S	SSG	EMPLACED_CNTR	5/30/2012 13:45	4/26/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/2/2011		3/2/2011				TRUE	TRUE	TRUE					
2274	SR46074SA	SSG	EMPLACED_CNTR	9/19/2011 23:50	4/26/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	3/2/2011		3/2/2011		8/25/2011			TRUE	TRUE	TRUE					
2275	SR46074T	SSG	EMPLACED_CNTR	3/9/2011 22:04	4/26/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/3/2010		6/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2276	SR46074U	SSG	EMPLACED_CNTR	3/10/2011 18:48	4/26/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/8/2010		6/8/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2277	SR46074V	SSG	EMPLACED_CNTR	7/7/2012 10:47	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/28/2011		2/28/2011				TRUE	TRUE	TRUE					
2278	SR46074W	SSG	EMPLACED_CNTR	4/9/2011 10:20	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/7/2010		12/7/2010				TRUE	TRUE	TRUE					
2279	SR46074WA	SSG	EMPLACED_CNTR	5/19/2011 21:15	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	12/7/2010		12/7/2010		6/1/2011			TRUE	TRUE	TRUE					
2280	SR46074X	SSG	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2281	SR46074Y	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/2/2010		6/2/2010											
2282	SR46074Z	SSG	EMPLACED_CNTR	3/10/2011 18:48	4/29/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/27/2010		10/27/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2283	SR46075AA	SSG	EMPLACED_CNTR	7/30/2012 10:48	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/22/2011		3/22/2011			- Rpkgd Was SR46075M	TRUE	TRUE	TRUE			SR46075M		Daughter
2284	SR46075N	SSG	EMPLACED_CNTR	3/7/2011 18:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/1/2010		10/1/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2285	SR46075O	SSG	EMPLACED_CNTR	6/5/2012 6:02	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/28/2011		2/28/2011				TRUE	TRUE	TRUE					
2286	SR46075P	SSG	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/15/2010		5/15/2010											
2287	SR46075Q	SSG	EMPLACED_CNTR	2/15/2012 13:58	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/14/2010		10/14/2010				TRUE	TRUE	TRUE					
2288	SR46075R	SSG	EMPLACED_CNTR	3/7/2011 22:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/1/2010		11/1/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2289	SR46075S	SSG	EMPLACED_CNTR	5/5/2011 21:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/5/2010		6/5/2010				TRUE	TRUE	TRUE					
2290	SR46075T	SSG	EMPLACED_CNTR	11/17/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/3/2010		6/3/2010											
2291	SR46075U	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/21/2010		5/21/2010											
2292	SR46075V	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/19/2010		5/19/2010											
2293	SR46075W	SSG	EMPLACED_CNTR	2/24/2012 14:51	11/17/2011 16:11	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/15/2011		11/15/2011				TRUE	TRUE	TRUE					
2294	SR46075X	SSG	EMPLACED_CNTR	3/7/2011 22:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/13/2010		10/13/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2295	SR46075Y	SSG	EMPLACED_CNTR	5/6/2012 9:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/16/2010		12/16/2010				TRUE	TRUE	TRUE					
2296	SR46075YA	SSG	EMPLACED_CNTR	5/12/2011 19:36	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	12/16/2010		12/16/2010		6/10/2011			TRUE	TRUE	TRUE					
2297	SR46075Z	SSG	EMPLACED_CNTR	5/6/2012 9:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/20/2010		12/20/2010				TRUE	TRUE	TRUE					
2298	SR46075ZA	SSG	EMPLACED_CNTR	5/6/2012 9:47	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	12/20/2010		12/20/2010		6/14/2011			TRUE	TRUE	TRUE					
2299	SR46076M	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/3/2010		6/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2300	SR46076O	SSG	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/20/2010		5/20/2010											
2301	SR46076P	SSG	EMPLACED_CNTR	4/20/2011 22:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/26/2011		1/26/2011											
2302	SR46076PA	SSG	EMPLACED_CNTR	8/8/2012 14:36	5/22/2012 10:58	mccabed	SR-MD-PAD1	S5400			1/26/2011	5/14/2012	1/26/2011	5/14/2012		SWD11022 re-named; Daughter drum containing prohibited items per LWatson email 110411; 221-F-55006 Tru Drum Repackaging		TRUE	FALSE	TRUE	NA		SR46076P		Repack
2303	SR46076Q	SSG	EMPLACED_CNTR	3/3/2011 18:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/28/2010		5/28/2010											
2304	SR46076R	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/24/2010		5/24/2010											
2305	SR46076S	SSG	EMPLACED_CNTR	11/20/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/19/2010		5/19/2010											
2306	SR46076U	SSG	EMPLACED_CNTR	2/4/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/10/2010		6/10/2010											
2307	SR46076Y	SSG	EMPLACED_CNTR	4/14/2011 21:31	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/3/2011		2/3/2011		Contents Unknown (Not listed on Mound report)		TRUE	TRUE	TRUE					
2308	SR46076Z	SSG	EMPLACED_CNTR	4/8/2011 10:20	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/1/2010		6/1/2010		Contents Unknown (Not listed on Mound report)		TRUE	TRUE	TRUE					
2309	SR46077M	SSG	EMPLACED_CNTR	4/5/2012 6:02	10/5/2011 12:21	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	9/27/2011		9/27/2011				TRUE	TRUE	TRUE					
2310	SR46077NA	SSG	EMPLACED_CNTR	4/14/2012 14:54	12/15/2011 9:34	mccabed	SR-MD-PAD1	S5400	None		12/8/2011		12/8/2011				- Rpkgd was SR46077N	TRUE	TRUE	TRUE			SR46077N		Daughter
2311	SR46077O	SSG	EMPLACED_CNTR	6/1/2012 12:59	11/17/2011 16:54	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/14/2011		11/14/2011		Changed to Non-PCB per E-mail J Price 8/31/11	- Rpkgd into SR46077OA	TRUE	TRUE	TRUE					
2312	SR46077OA	SSG	EMPLACED_CNTR	2/17/2012 15:57	11/17/2011 16:54	mccabed	SR-MD-PAD1	S5400	None		11/14/2011		11/14/2011				- Rpkgd was SR46077O	TRUE	TRUE	TRUE			SR46077O		Daughter
2313	SR46077P	SSG	EMPLACED_CNTR	11/18/2012 13:34	5/7/2012 19:54	mccabed	SR-MD-PAD1	S5400	None		4/15/1971	4/13/2012	8/30/2011	4/13/2012			- Rpkgd was SR46077PA - Rpkgd into SR46077PB - Rpkgd into SR46077PC	TRUE	TRUE	TRUE					
2314	SR46077PA	SSG	EMPLACED_CNTR	8/8/2012 14:36	5/7/2012 19:53	mccabed	SR-MD-PAD1	S5400	None		4/13/2012		4/13/2012				- Rpkgd was SR46077P	TRUE	TRUE	TRUE			SR46077P		Daughter
2315	SR46077PB	SSG	EMPLACED_CNTR	11/18/2012 10:46	5/7/2012 19:54	mccabed	SR-MD-PAD1	S5400	None		4/13/2012		4/13/2012				- Rpkgd was SR46077P	TRUE	TRUE	TRUE			SR46077P		Daughter
2316	SR46077PC	SSG	PRESUB_CERT		5/7/2012 19:54	mccabed	SR-MD-PAD1	S5400	None		4/13/2012		4/13/2012				- Rpkgd was SR46077P	TRUE	TRUE	TRUE			SR46077P		Daughter
2317	SR46077Q	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/5/2011 12:33	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	9/29/2011		9/29/2011			- Rpkgd into SR46077QA	TRUE	TRUE	TRUE					
2318	SR46077R	SSG	EMPLACED_CNTR	1/4/2012 13:25	10/18/2011 16:58	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/13/2011		10/13/2011			- Rpkgd into SR46077RA	TRUE	TRUE	TRUE					
2319	SR46077RA	SSG	EMPLACED_CNTR	12/14/2011 14:20	10/18/2011 16:58	mccabed	SR-MD-PAD1	S5400	None		10/13/2011		10/13/2011				- Rpkgd was SR46077R	TRUE	TRUE	TRUE			SR46077R		Daughter
2320	SR46077S	SSG	EMPLACED_CNTR	10/25/2012 15:30	10/24/2011 14:29	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/20/2011		10/20/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2321	SR46077T	SSG	PRESUB_CERT		10/18/2011 17:01	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/13/2011		10/13/2011				TRUE	TRUE	TRUE					
2322	SR46077U	SSG	EMPLACED_CNTR	2/18/2012 8:55	11/17/2011 16:12	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/15/2011		11/15/2011			- Rpkgd into SR46077UA	TRUE	TRUE	TRUE					
2323	SR46077UA	SSG	EMPLACED_CNTR	4/11/2012 15:02	11/17/2011 16:12	mccabed	SR-MD-PAD1	S5400	None		11/15/2011		11/15/2011				- Rpkgd was SR46077U	TRUE	TRUE	TRUE			SR46077U		Daughter
2324	SR46077V	SSG	EMPLACED_CNTR	6/2/2012 13:52	4/19/2012 13:48	mccabed	SR-MD-PAD1	S5400	Vent		4/15/1971	4/3/2012	6/23/2011	4/3/2012		221-F-55006 Tru Drum Repacking	- Rpkgd was SR46077VA - Rpkgd into SR46077VB	TRUE	TRUE	TRUE					
2325	SR46077VA	SSG	EMPLACED_CNTR	6/5/2012 10:08	4/19/2012 13:48	mccabed	SR-MD-PAD1	S5400	None		4/3/2012		4/3/2012			221-F-55006 Tru Drum Repacking	- Rpkgd was SR46077V	TRUE	TRUE	TRUE			SR46077V		Daughter
2326	SR46077VB	SSG	EMPLACED_CNTR	7/6/2012 10:59	4/19/2012 13:48	mccabed	SR-MD-PAD1	S5400	None		4/3/2012		4/3/2012			221-F-55006 Tru Drum Repacking	- Rpkgd was SR46077V	TRUE	TRUE	TRUE			SR46077V		Daughter
2327	SR46077W	SSG	EMPLACED_CNTR	11/15/2012 12:46	9/10/2012 13:48	mccabed	SR-MD-PAD1	S5400			4/15/1971	9/4/2012		9/4/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd into SR46077WA	TRUE	TRUE	TRUE					
2328	SR46077WA	SSG	EMPLACED_CNTR	11/18/2012 13:34	9/10/2012 13:48	mccabed	SR-MD-PAD1	S5400			9/4/2012		9/4/2012				- Rpkgd was SR46077W	TRUE	TRUE	TRUE			SR46077W		Daughter
2329	SR46077X	SSG	EMPLACED_CNTR	2/18/2012 13:13	10/5/2011 12:35	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	9/28/2011		9/28/2011			- Rpkgd into SR46077XA	TRUE	TRUE	TRUE					
2330	SR46077XA	SSG	EMPLACED_CNTR	1/4/2012 13:24	10/5/2011 12:35	mccabed	SR-MD-PAD1	S5400	None		9/28/2011		9/28/2011				- Rpkgd was SR46077X	TRUE	TRUE	TRUE			SR46077X		Daughter
2331	SR46077Y	SSG	APPROVED_CERT		10/18/2011 17:35	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	10/13/2011		10/13/2011				TRUE	TRUE	TRUE					
2332	SR46077Z	SSG	EMPLACED_CNTR	12/14/2011 13:49	11/3/2011 15:11	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	9/27/2011		9/27/2011		Contents Unknown (Not listed on Mound report); Changed to Non-PCB per E-mail L.Martin 9/22/11.		TRUE	TRUE	TRUE					
2333	SR46078M	SSG	PRESUB_CERT		4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/7/2011		3/7/2011			Rpkgd into SR46078MA	TRUE	TRUE	TRUE					
2334	SR46078MA	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/7/2011		3/7/2011			- SR46078M						SR46078M		Daughter
2335	SR46078N	SSG	PRESUB_CERT		4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/11/2011		3/11/2011			Rpkgd into SR46078MA	TRUE	TRUE	TRUE					
2336	SR46078NA	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/11/2011		3/11/2011			- Rpkgd Was SR46078N	TRUE	TRUE	TRUE			SR46078N		Daughter
2337	SR46078O	SSG	EMPLACED_CNTR	7/17/2011 9:54	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/24/2011		2/24/2011				TRUE	TRUE	TRUE					
2338	SR46078P	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/4/2010		6/4/2010											
2339	SR46078Q	SSG	EMPLACED_CNTR	3/19/2011 11:07	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/31/2010		5/31/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2340	SR46078R	SSG	EMPLACED_CNTR	3/7/2011 22:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2341	SR46078S	SSG	EMPLACED_CNTR	4/9/2011 10:20	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/13/2010		12/13/2010				TRUE	TRUE	TRUE					
2342	SR46078SA	SSG	EMPLACED_CNTR	5/10/2011 19:17	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	12/13/2010		12/13/2010		6/7/2011			TRUE	TRUE	TRUE					
2343	SR46078T	SSG	EMPLACED_CNTR	11/20/2010 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/28/2010		5/28/2010											
2344	SR46078U	SSG	EMPLACED_CNTR	11/20/2010 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/27/2010		5/27/2010											
2345	SR46078V	SSG	EMPLACED_CNTR	3/7/2011 22:36	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2346	SR46078W	SSG	EMPLACED_CNTR	5/6/2012 9:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	12/14/2010		12/14/2010				TRUE	TRUE	TRUE					
2347	SR46078WA	SSG	EMPLACED_CNTR	5/6/2012 9:43	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	12/14/2010		12/14/2010		6/8/2011			TRUE	TRUE	TRUE					
2348	SR46078X	SSG	EMPLACED_CNTR	8/27/2011 14:35	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/5/2011		1/5/2011				TRUE	TRUE	TRUE					
2349	SR46078XA	SSG	EMPLACED_CNTR	5/17/2012 14:17	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	1/5/2011		1/5/2011		6/30/2011			TRUE	TRUE	TRUE					
2350	SR46078Y	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/11/2010		6/11/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2351	SR46079M	SSG	PRESUB_CERT		4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/8/2011		3/8/2011			Rpkgd into SR46079MB	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2352	SR46079MA	55G	EMPLACED_CNTR	8/25/2011 19:26	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/8/2011		3/8/2011			- SR46079M						SR46079M		Daughter
2353	SR46079MB	55G	EMPLACED_CNTR	8/17/2011 0:01	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/8/2011		3/8/2011			Rpkgd into SR46079MA - SR46079M						SR46079M		Daughter
2354	SR46079N	55G	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/13/2010		6/13/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2355	SR46079O	55G	EMPLACED_CNTR	2/26/2012 13:28	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/19/2010		10/19/2010				TRUE	TRUE	TRUE					
2356	SR46079P	55G	EMPLACED_CNTR	9/22/2011 0:01	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	3/4/2011		3/4/2011			Rpkgd into SR46079PA		TRUE	TRUE	TRUE					
2357	SR46079Q	55G	EMPLACED_CNTR	5/1/2011 13:18	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/2/2011		2/2/2011				TRUE	TRUE	TRUE					
2358	SR46079R	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	3/9/2011		3/9/2011				TRUE	TRUE	TRUE					
2359	SR46079RA	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			3/9/2011		3/9/2011					FALSE	FALSE	FALSE					
2360	SR46079RB	55G	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			3/9/2011		3/9/2011					FALSE	FALSE	FALSE					
2361	SR46079RC	55G	EMPLACED_CNTR	6/24/2012 11:25	5/1/2012 14:52	mccabed	SR-MD-PAD1	S5400	Remediation		3/9/2011	4/19/2012	3/9/2011	4/19/2012		SWD11091 re-named. Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR46079R		Repack
2362	SR46079RD	55G	EMPLACED_CNTR	4/26/2013 14:53	8/30/2012 13:50	mccabed	SR-MD-PAD1	S5400			4/19/2012	8/21/2012	4/19/2012	8/21/2012		Parent drum (SR46079RC) is EMPLACED so this container has been entered without using the repack system. Added per LWatson email 071712; 221-F-55006 Tru Drum Repackaging		TRUE	FALSE	TRUE	NA				
2363	SR46079S	55G	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/15/2010		10/15/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2364	SR46079T	55G	EMPLACED_CNTR	8/25/2011 19:26	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/9/2011		3/9/2011			Rpkgd into SR46079TB	TRUE	TRUE	TRUE					
2365	SR46079TA	55G	EMPLACED_CNTR	4/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/9/2011		3/9/2011			- SR46079T						SR46079T		Daughter
2366	SR46079TB	55G	PRESUB_CERT		5/1/2012 15:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/9/2011		3/9/2011			Rpkgd into SR46079TA - SR46079T	TRUE	FALSE	TRUE			SR46079T		Daughter
2367	SR46079U	55G	EMPLACED_CNTR	2/18/2012 8:55	9/27/2011 18:15	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/11/2011		1/11/2011		Changed to Non-PCB/E-mail / Price 8/18/11		TRUE	TRUE	TRUE					
2368	SR46079UA	55G	EMPLACED_CNTR	4/26/2013 14:53	11/1/2011 13:39	mccabed	SR-MD-PAD1	S5400	Remediation	0	1/12/2011	10/27/2011	1/12/2011	10/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2369	SR46079V	55G	EMPLACED_CNTR	3/19/2011 11:07	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/7/2010		10/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2370	SR46079W	55G	EMPLACED_CNTR	3/1/2011 21:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/12/2010		6/12/2010											
2371	SR46079WA	55G	EMPLACED_CNTR	8/8/2012 14:36	5/1/2012 14:50	mccabed	SR-MD-PAD1	S5400			6/12/2010		6/12/2010			SWD101173 re-named. Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR46079W		Repack
2372	SR46079Y	55G	EMPLACED_CNTR	3/7/2011 18:45	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/12/2010		6/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2373	SR46079Z	55G	EMPLACED_CNTR	3/19/2011 11:07	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/25/2010		10/25/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2374	SR46080M	55G	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/9/2011		3/9/2011			Rpkgd into SR46080MA Rpkgd into SR46080MB	TRUE	TRUE	TRUE					
2375	SR46080MA	55G	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/9/2011		3/9/2011			- Rpkgd Was SR46080M	TRUE	TRUE	TRUE			SR46080M		Daughter
2376	SR46080MB	55G	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/9/2011		3/9/2011			Rpkgd into SR46080MA - Rpkgd Was SR46080M	TRUE	TRUE	TRUE			SR46080M		Daughter
2377	SR46080N	55G	EMPLACED_CNTR	3/1/2011 21:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/6/2010		10/6/2010											
2378	SR46080O	55G	EMPLACED_CNTR	8/15/2011 19:26	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation	1	4/15/1971	3/10/2011		3/10/2011			Rpkgd into SR46080OA Rpkgd into SR46080OB	TRUE	TRUE	TRUE					
2379	SR46080OA	55G	EMPLACED_CNTR	9/19/2011 23:50	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/10/2011		3/10/2011			- Rpkgd Was SR46080O	TRUE	TRUE	TRUE			SR46080O		Daughter
2380	SR46080OB	55G	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/10/2011		3/10/2011			Rpkgd into SR46080OA - Rpkgd Was SR46080O	TRUE	TRUE	TRUE			SR46080O		Daughter
2381	SR46080Q	55G	EMPLACED_CNTR	3/1/2011 21:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/12/2010		6/12/2010											
2382	SR46080R	55G	PRESUB_CERT		4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	2/8/2011		2/8/2011				TRUE	TRUE	TRUE					
2383	SR46080T	55G	PRESUB_CERT		10/9/2012 22:40	mccabed	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	8/13/2012	1/25/2011	8/13/2012		Exclude per MPapp email 031111; WS removed per JHarrison email 012612. 221-F-55006 Tru Drum Repackaging. Added WS and unexcluded per LWatson email 100912.		TRUE	TRUE	TRUE					
2384	SR46080U	55G	EMPLACED_CNTR	3/10/2011 18:48	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/3/2010		11/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2385	SR46080V	55G	EMPLACED_CNTR	2/25/2012 13:58	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	3/3/2011		3/3/2011			Rpkgd into SR46080VA	TRUE	TRUE	TRUE					
2386	SR46080W	55G	EMPLACED_CNTR	3/1/2011 21:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/22/2010		10/22/2010											
2387	SR46080X	55G	EMPLACED_CNTR	3/7/2011 18:45	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/13/2010		6/13/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2388	SR46080Y	55G	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/17/2010		11/17/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2389	SR46080Z	55G	EMPLACED_CNTR	3/7/2011 18:42	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/20/2010		10/20/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2390	SR46081MA	55G	EMPLACED_CNTR	11/16/2011 8:51	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/7/2011		3/7/2011			SR46081M - Rpkgd into SR46081OA Rpkgd into SR46081OB - Rpkgd into SR46081OC	TRUE	TRUE	TRUE			SR46081M		Daughter
2391	SR46081O	55G	EMPLACED_CNTR	5/4/2012 9:43	11/8/2011 16:43	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	11/1/2011		11/1/2011			- Rpkgd was SR46081O	TRUE	TRUE	TRUE			SR46081O		Daughter
2392	SR46081OA	55G	PRESUB_CERT		11/8/2011 16:42	mccabed	SR-MD-PAD1	S5400	None		11/1/2011		11/1/2011				- Rpkgd was SR46081O	TRUE	TRUE	TRUE			SR46081O		Daughter
2393	SR46081OB	55G	EMPLACED_CNTR	7/6/2012 10:59	11/8/2011 16:43	mccabed	SR-MD-PAD1	S5400	None		11/1/2011		11/1/2011				- Rpkgd was SR46081O	TRUE	TRUE	TRUE			SR46081O		Daughter
2394	SR46081OC	55G	EMPLACED_CNTR	2/18/2012 8:55	11/8/2011 16:43	mccabed	SR-MD-PAD1	S5400	None		11/1/2011		11/1/2011				- Rpkgd was SR46081O	TRUE	TRUE	TRUE			SR46081O		Daughter
2395	SR46081P	55G	EMPLACED_CNTR	4/20/2011 22:51	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/24/2011		1/24/2011				TRUE	TRUE	TRUE					
2396	SR46081Q	55G	EMPLACED_CNTR	8/8/2011 15:14	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	3/11/2011		3/11/2011			Rpkgd into SR46081QA	TRUE	TRUE	TRUE					
2397	SR46081R	55G	EMPLACED_CNTR	2/26/2012 14:03	12/7/2011 19:22	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	12/1/2011		12/1/2011			- Rpkgd into SR46081RA	TRUE	TRUE	TRUE					
2398	SR46081RA	55G	EMPLACED_CNTR	5/30/2012 13:45	12/7/2011 19:22	mccabed	SR-MD-PAD1	S5400	None		12/1/2011		12/1/2011				- Rpkgd was SR46081R	TRUE	TRUE	TRUE			SR46081R		Daughter
2399	SR46081S	55G	EMPLACED_CNTR	2/25/2012 13:58	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/16/2010		11/16/2010				TRUE	TRUE	TRUE					
2400	SR46081T	55G	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400	Remediation		4/15/1971	3/2/2011		3/2/2011			Rpkgd into SR46081TA - SR46081T	TRUE	TRUE	TRUE			SR46081T		Daughter
2401	SR46081TA	55G	EMPLACED_CNTR	8/1/2011 22:30	4/28/2011 6:00	mccabed	SR-MD-PAD1	S5400			4/15/1971	3/2/2011		3/2/2011											
2402	SR46081U	55G	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/17/2010		11/17/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2403	SR46081V	55G	EMPLACED_CNTR	3/8/2011 22:58	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/18/2010		10/18/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2404	SR46081W	55G	EMPLACED_CNTR	3/7/2011 19:42	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/28/2010		10/28/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2405	SR46081X	55G	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/15/2010		10/15/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2406	SR46081Y	55G	EMPLACED_CNTR	3/19/2011 11:07	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/3/2010		11/3/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2407	SR46081Z	55G	EMPLACED_CNTR	3/19/2011 9:28	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	10/26/2010		10/26/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2408	SR46082M	55G	EMPLACED_CNTR	3/18/2012 15:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	1/15/2011		1/15/2011				TRUE	TRUE	TRUE					
2409	SR46082O	55G	EMPLACED_CNTR	11/24/2010 22:42	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/7/2010		5/7/2010											
2410	SR46082Q	55G	EMPLACED_CNTR	2/17/2011 10:23	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/1/2010		3/1/2010											
2411	SR46082R	55G	EMPLACED_CNTR	11/24/2010 19:38	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/10/2010		5/10/2010											
2412	SR46082S	55G	EMPLACED_CNTR	3/18/2011 13:43	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/12/2010		3/12/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2413	SR46082T	55G	EMPLACED_CNTR	11/24/2010 21:43	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/14/2010		5/14/2010											
2414	SR46082U	55G	EMPLACED_CNTR	11/24/2010 19:38	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/11/2010		5/11/2010											
2415	SR46082V	55G	EMPLACED_CNTR	3/23/2011 19:03	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	3/19/2010		3/19/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2416	SR46082W	55G	EMPLACED_CNTR	3/7/2011 18:45	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	6/1/2010		6/1/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2417	SR46082X	55G	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/10/2010		5/10/2010											
2418	SR46082Y	55G	EMPLACED_CNTR	11/24/2010 21:43	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	5/13/2010		5/13/2010											
2419	SR46082Z	55G	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	0	4/15/1971	6/2/2010		6/2/2010											
2420	SR46083M	55G	EMPLACED_CNTR	5/1/2011 13:18	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/6/2011		1/6/2011				TRUE	TRUE	TRUE					
2421	SR46083N	55G	EMPLACED_CNTR	4/11/2011 18:22	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/7/2011		1/7/2011				TRUE	TRUE	TRUE					
2422	SR46083O	55G	EMPLACED_CNTR	3/18/2012 15:46	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/14/2011		1/14/2011				TRUE	TRUE	TRUE					
2423	SR46083P	55G	EMPLACED_CNTR	5/1/2011 13:10	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/7/2011		1/7/2011				TRUE	TRUE	TRUE					
2424	SR46083Q	55G	EMPLACED_CNTR	4/14/2011 21:31	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	1/13/2011		1/13/2011				TRUE	TRUE	TRUE					
2425	SR46083R	55G	EMPLACED_CNTR	12/20/2011 12:47	4/28/2011 6:00	WWS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/10/2010		6/10/2010				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2426	SR460835	SSG	EMPLACED_CNTR	12/14/2011 14:22	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/27/2010		5/27/2010				TRUE	TRUE	TRUE					
2427	SR460837	SSG	EMPLACED_CNTR	3/30/2011 18:48	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	11/1/2010		11/1/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2428	SR46083W	SSG	EMPLACED_CNTR	3/30/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/7/2010		6/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2429	SR46083W	SSG	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	6/1/2010		6/1/2010											
2430	SR46083X	SSG	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/25/2010		5/25/2010											
2431	SR460832	SSG	EMPLACED_CNTR	3/19/2011 13:43	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	4/15/1971	5/31/2010		5/31/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2432	SR66201	SSG	EMPLACED_CNTR	9/22/2011 0:01	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	2/1/2011		2/1/2011				TRUE	TRUE	TRUE					
2433	SR66201A	SSG	EMPLACED_CNTR	7/17/2011 9:54	4/28/2011 6:00	WIPPNET\morrisj	SR-MD-PAD1	S5400	Remediate	0	2/1/2011	2/1/2011	2/1/2011	2/1/2011	7/27/2011			TRUE	TRUE	TRUE					
2434	SR66201B	SSG	EMPLACED_CNTR	8/6/2011 15:14	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	2/1/2011		2/1/2011		7/27/2011			TRUE	TRUE	TRUE					
2435	SR66201C	SSG	EMPLACED_CNTR	12/15/2012 10:55	5/1/2012 14:51	mccabed	SR-MD-PAD1	S5400			2/1/2011		2/1/2011			SWD11025 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR66201		Repack
2436	SR66202	SSG	EMPLACED_CNTR	3/7/2011 18:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/19/2008		6/19/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2437	SR66203	SSG	EMPLACED_CNTR	6/1/2011 22:30	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	1/28/2011		1/28/2011				TRUE	TRUE	TRUE					
2438	SR66203A	SSG	EMPLACED_CNTR	7/17/2011 9:54	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	1/28/2011		1/28/2011		7/23/2011			TRUE	TRUE	TRUE					
2439	SR66203B	SSG	EMPLACED_CNTR	7/17/2011 9:54	4/28/2011 6:00	idcwebuser	SR-MD-PAD1	S5400		0	1/28/2011		1/28/2011		7/23/2011			TRUE	TRUE	TRUE					
2440	SR66203C	SSG	EMPLACED_CNTR	11/4/2012 12:43	5/18/2012 17:11	mccabed	SR-MD-PAD1	S5400			7/15/2011		7/15/2011			Potential Prohibited Items: sealed containers (pressure cookers)	Parent is SR66203 which is already EMPLACED	TRUE	FALSE	TRUE	NA				
2441	SR66204	SSG	EMPLACED_CNTR	3/7/2011 18:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/23/2008		6/23/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2442	SR66205	SSG	EMPLACED_CNTR	11/15/2010 23:21	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/10/2008		6/10/2008											
2443	SR66206	SSG	EMPLACED_CNTR	11/15/2010 23:21	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	7/17/2008		7/17/2008											
2444	SR66207	SSG	EMPLACED_CNTR	2/26/2012 14:03	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	8/14/2008		8/14/2008				TRUE	TRUE	TRUE					
2445	SR66208	SSG	EMPLACED_CNTR	10/8/2011 13:10	5/5/2011 11:49	mccabed	SR-MD-PAD1	S5400	Remediation	1	11/9/1972	4/28/2011		4/28/2011				TRUE	TRUE	TRUE					
2446	SR66208A	SSG	EMPLACED_CNTR	7/15/2012 14:32	5/1/2012 14:53	mccabed	SR-MD-PAD1	S5400	Remediation		8/9/2011	4/19/2012	8/9/2011	4/19/2012		SWD11166 re-named; Daughter drum containing prohibited items per LWatson email 110411		TRUE	FALSE	TRUE	NA		SR66208		Repack
2447	SR66209	SSG	EMPLACED_CNTR	10/8/2011 13:10	6/1/2011 10:12	mccabed	SR-MD-PAD1	S5400	Remediation	1	11/9/1972	5/25/2011		5/25/2011				TRUE	TRUE	TRUE					
2448	SR66210	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/18/2008		6/18/2008											
2449	SR66211	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/27/2008		6/27/2008											
2450	SR66212	SSG	EMPLACED_CNTR	11/20/2010 14:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	V&P Vent	1	11/9/1972			5/23/2008											
2451	SR66213	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/27/2008		6/27/2008											
2452	SR66214	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/27/2008		6/27/2008											
2453	SR66215	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/25/2008		6/25/2008											
2454	SR66216	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/23/2008		6/23/2008											
2455	SR66217	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/19/2008		6/19/2008											
2456	SR66218	SSG	EMPLACED_CNTR	4/18/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	8/14/2008		8/14/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2457	SR66219	SSG	PRESUB_CERT		5/31/2011 15:46	mccabed	SR-MD-PAD1	S5400	Remediation	1	11/9/1972	5/24/2011		5/24/2011				TRUE	TRUE	TRUE					
2458	SR66220	SSG	EMPLACED_CNTR	11/15/2010 23:21	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/23/2008		6/23/2008											
2459	SR66221	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/29/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/25/2008		6/25/2008											
2460	SR66222	SSG	EMPLACED_CNTR	11/15/2010 23:21	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/18/2008		6/18/2008											
2461	SR66223	SSG	EMPLACED_CNTR	4/18/2011 22:41	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	7/14/2008		7/14/2008				TRUE	TRUE	TRUE					
2462	SR66224	SSG	EMPLACED_CNTR	3/30/2011 9:38	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	4/7/2010		4/7/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2463	SR66224A	SSG	EMPLACED_CNTR	7/7/2012 10:47	5/8/2012 16:59	mccabed	SR-MD-PAD1	S5400			8/9/2011	4/26/2012	8/9/2011	4/26/2012		SWD10112O re-named; Daughter drum containing prohibited items per LWatson email 110411; 221-F-55006 Tru Drum Repackaging		TRUE	FALSE	TRUE	NA		SR66224		Repack
2464	SR66225	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/23/2008		6/23/2008											
2465	SR66226	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/19/2008		6/19/2008											
2466	SR66227	SSG	EMPLACED_CNTR	3/3/2011 18:50	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/23/2008		6/23/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2467	SR66228	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400	Remediate	1	11/9/1972	6/10/2008		6/10/2008											
2468	SR66230	SSG	EMPLACED_CNTR	4/26/2013 14:53	7/16/2012 10:44	mccabed	SR-MD-PAD1	S5400	V&P Vent	1	4/15/1971	6/26/2012		6/26/2012		221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					
2469	SR66231	SSG	EMPLACED_CNTR	8/8/2012 14:36	5/22/2012 12:06	mccabed	SR-MD-PAD1	S5400	V&P Vent	1	4/15/1971	5/14/2012	7/24/2008	5/14/2012		221-F-55006 Tru Drum Repackaging	- Rplgd into SR66231A	TRUE	TRUE	TRUE					
2470	SR66231A	SSG	EMPLACED_CNTR	11/18/2012 12:38	5/18/2012 17:23	mccabed	SR-MD-PAD1	S5400	None		5/14/2012		5/14/2012				- Rplgd was SR66231	TRUE	TRUE	TRUE			SR66231		Daughter
2471	SRSB01208	SWB			2/20/2012 17:36	mccabed	SR-MD-PAD1	S5400			2/10/2012		2/10/2012				/ Repacked was SR46065TA / Repacked was SR46069W / Repacked was SR46077QA / Repacked was SR46081M							
2472	SRSB01210	SWB			2/20/2012 17:26	mccabed	SR-MD-PAD1	S5400			2/10/2012		2/10/2012				/ Repacked was SR46058U / Repacked was SR46074P / Repacked was SR46074R / Repacked was SR46080S							
2473	SRSB01212	SWB			3/8/2012 19:18	mccabed	SR-MD-PAD1	S5400			3/2/2012		3/2/2012				/ Repacked was SR46014X / Repacked was SR46016W / Repacked was SR46063R / Repacked was SR46070T							
2474	SRSB01213	SWB			3/19/2012 16:02	mccabed	SR-MD-PAD1	S5400			3/16/2012		3/16/2012				/ Repacked was SR46058T / Repacked was SR46078OA / Repacked was SR46079PA / Repacked was SR46080VA	FALSE	FALSE	FALSE					
2475	SRSB01214	SWB			3/8/2012 19:28	mccabed	SR-MD-PAD1	S5400			3/2/2012		3/2/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46041W / Repacked was SR46073OA / Repacked was SR46075M / Repacked was SR46078Z	FALSE	FALSE	FALSE	Yes	5/26/2010			
2476	SRSB01215	SWB			4/19/2012 17:21	mccabed	SR-MD-PAD1	S5400			3/16/2012		3/16/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46066R / Repacked was SR46075OA / Repacked was SR46075OA / Repacked was SR46081M / Repacked was SR46081QA	TRUE	FALSE	TRUE	Yes	5/26/2010			
2477	SRSB01223	SWB			4/27/2012 16:54	mccabed	SR-MD-PAD1	S5400			4/20/2012		4/20/2012				/ Repacked was SR46056X / Repacked was SR46073RA / Repacked was SR46077N							
2478	WMAPSWB322	SWB	EMPLACED_CNTR	10/17/2011 19:09	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	6/24/2010		6/24/2010		12/17/2010	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2479	WMAPSWB323	SWB	EMPLACED_CNTR	11/10/2012 15:18	4/28/2011 6:00	WWIS_Updt	SR-MD-PAD1	S5400		0	6/28/2010		6/28/2010		12/21/2010	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2480	WMAPSWB324	SWB	EMPLACED_CNTR	11/23/2011 10:26	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	6/28/2010		6/28/2010		12/21/2010			TRUE	TRUE	TRUE					
2481	WMAPSWB325	SWB	EMPLACED_CNTR	10/28/2012 14:25	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	6/30/2010		6/30/2010		12/23/2010	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2482	WMAPSWB326	SWB	EMPLACED_CNTR	12/20/2011 12:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	6/29/2010		6/29/2010		12/22/2010	1 container with contents unknown (Not listed on Mound report)		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2483	WMAPSWB327	SWB	EMPLACED_CNTR	12/7/2012 9:36	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	6/30/2010		6/30/2010		12/23/2010	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2484	WMAPSWB328	SWB	EMPLACED_CNTR	11/13/2011 10:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/1/2010		7/1/2010		12/24/2010			TRUE	TRUE	TRUE					
2485	WMAPSWB329	SWB	EMPLACED_CNTR	10/17/2011 19:09	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/1/2010		7/1/2010		12/24/2010	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2486	WMAPSWB330	SWB	EMPLACED_CNTR	10/17/2011 19:16	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/6/2010		7/6/2010		12/29/2010	Contains PCB Waste and 1 container with Contents Unknown (Not listed on Mound report) PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2487	WMAPSWB331	SWB	EMPLACED_CNTR	11/23/2011 10:50	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/6/2010		7/6/2010		12/29/2010			TRUE	TRUE	TRUE					
2488	WMAPSWB332	SWB	EMPLACED_CNTR	10/18/2011 23:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/14/2010		7/14/2010		1/6/2011	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2489	WMAPSWB333	SWB	EMPLACED_CNTR	12/20/2011 12:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/14/2010		7/14/2010		1/6/2011			TRUE	TRUE	TRUE					
2490	WMAPSWB334	SWB	EMPLACED_CNTR	10/17/2011 19:15	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/15/2010		7/15/2010		1/7/2011	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2491	WMAPSWB335	SWB	EMPLACED_CNTR	11/14/2010 22:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/15/2010		7/15/2010		1/7/2011	PCB Bulk Product Waste - Non Leachable					Yes	5/26/2010			
2492	WMAPSWB336	SWB	EMPLACED_CNTR	10/18/2011 23:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/15/2010		7/15/2010		1/7/2011	Contains PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2493	WMAPSWB337	SWB	EMPLACED_CNTR	4/16/2011 10:45	4/28/2011 6:00	WIPPNET\SQLMaster	SR-MD-PAD1	S5400		0	7/19/2010		7/19/2010		1/11/2011	WWIS_Status:APPROVED_CERT - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2494	WMAPSWB344	SWB	EMPLACED_CNTR	7/31/2012 13:46	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	S5400		0	1/6/2011		1/6/2011		7/1/2011	PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	5/26/2010			
2495	WMAPSWB345	SWB	EMPLACED_CNTR	8/21/2011 11:09	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	S5400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
2496	WMAPSWB346	SWB	EMPLACED_CNTR	11/9/2012 13:26	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	S5400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
2497	WMAPSWB347	SWB	EMPLACED_CNTR	8/25/2011 21:39	4/28/2011 6:00	sdcwebuser	SR-MD-PAD1	S5400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
2498	WMAPSWB503	SWB	EMPLACED_CNTR	6/1/2012 14:52	5/1/2012 14:54	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR460435 / Repacked was SR46043V	TRUE	FALSE	TRUE	Yes	5/26/2010			
2499	WMAPSWB504	SWB	EMPLACED_CNTR	10/28/2012 14:27	6/18/2012 9:03	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			Vented overpack operations data sheet SW15.3-SOP-SWB-01; PCB Bulk Product Waste - Non Leachable (PCB info added per FGreenwood email 061312)	/ Repacked was SR46043X / Repacked was SR460457	TRUE	FALSE	TRUE	Yes	5/26/2010			
2500	WMAPSWB505	SWB	EMPLACED_CNTR	5/31/2012 9:47	5/1/2012 14:55	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR460465 / Repacked was SR46046T	TRUE	FALSE	TRUE	Yes	5/26/2010			
2501	WMAPSWB506	SWB	EMPLACED_CNTR	6/1/2012 14:52	5/1/2012 14:56	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46046V / Repacked was SR460468	TRUE	FALSE	TRUE	Yes	5/26/2010			
2502	WMAPSWB507	SWB	EMPLACED_CNTR	5/30/2012 13:17	5/1/2012 14:56	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46048X / Repacked was SR460497	TRUE	FALSE	TRUE	Yes	5/26/2010			
2503	WMAPSWB509	SWB	EMPLACED_CNTR	11/11/2012 13:07	5/1/2012 14:57	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46050U / Repacked was SR46066Y	TRUE	FALSE	TRUE	Yes	5/26/2010			
2504	WMAPSWB510	SWB	APPROVED_CERT		8/18/2012 9:04	mccabed	SR-MD-PAD1	S5400			1/27/2012		1/27/2012			Vented overpack operations data sheet SW15.3-SOP-SWB-01; PCB Bulk Product Waste - Non Leachable (PCB info added per FGreenwood email 061312)	/ Repacked was SR460398 / Repacked was SR46042X	TRUE	FALSE	TRUE	Yes	5/26/2010			
2505	WMAPSWB514	SWB	EMPLACED_CNTR	11/19/2012 15:18	5/1/2012 15:01	mccabed	SR-MD-PAD1	S5400			2/9/2012		2/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46043Y / Repacked was SR460432	TRUE	FALSE	TRUE	Yes	5/26/2010			
2506	WMAPSWB515	SWB	APPROVED_CERT		9/19/2012 10:34	mccabed	SR-MD-PAD1	S5400			2/9/2012	9/13/2012	2/9/2012	9/13/2012			Changed to Non-PCB/E-mail I Price 7/10/12; 221-F-55078	/ Repacked was SR46046W / Repacked was SR460467	TRUE	FALSE	TRUE	No				
2507	WMAPSWB516	SWB	EMPLACED_CNTR	10/13/2012 14:40	5/1/2012 15:02	mccabed	SR-MD-PAD1	S5400			2/9/2012		2/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR460462 / Repacked was SR460485	TRUE	FALSE	TRUE	Yes	5/26/2010			
2508	WMAPSWB517	SWB	EMPLACED_CNTR	6/10/2012 12:46	5/1/2012 14:58	mccabed	SR-MD-PAD1	S5400			2/8/2012		2/8/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR460481 / Repacked was SR46048W	TRUE	FALSE	TRUE	Yes	5/26/2010			
2509	WMAPSWB518	SWB	EMPLACED_CNTR	6/1/2012 9:33	5/1/2012 15:03	mccabed	SR-MD-PAD1	S5400			2/9/2012		2/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46048Y / Repacked was SR460482	TRUE	FALSE	TRUE	Yes	5/26/2010			
2510	WMAPSWB519	SWB	APPROVED_CERT		5/1/2012 14:58	mccabed	SR-MD-PAD1	S5400			2/8/2012		2/8/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46046U / Repacked was SR46049Z	TRUE	FALSE	TRUE	Yes	5/26/2010			
2511	WMAPSWB520	SWB	EMPLACED_CNTR	5/31/2012 13:17	5/1/2012 15:03	mccabed	SR-MD-PAD1	S5400			2/9/2012		2/9/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR46049Y / Repacked was SR46050X	TRUE	FALSE	TRUE	Yes	5/26/2010			
2512	WMAPSWB521	SWB	EMPLACED_CNTR	6/5/2012 6:02	5/1/2012 14:59	mccabed	SR-MD-PAD1	S5400			2/8/2012		2/8/2012			Contents Unknown (Not listed on Mound report)	/ Repacked was SR460367 / Repacked was SR460502	TRUE	FALSE	TRUE					
2513	WMAPSWB522	SWB	EMPLACED_CNTR	5/31/2012 13:18	5/1/2012 15:00	mccabed	SR-MD-PAD1	S5400			2/8/2012		2/8/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	/ Repacked was SR460432 / Repacked was SR460629	TRUE	FALSE	TRUE	Yes	5/26/2010			
2514	WMAPSWB537	SWB	EMPLACED_CNTR	12/27/2012 11:17	8/30/2012 13:07	mccabed	SR-MD-PAD1	S5400			8/27/2012		8/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; SWB Loading Data Sheet for SW15.3-SOP-LCNCC-01 does not mention WMAPSWB50B, however this overpack has been confirmed per BDeGraff email 083012.	/ Repacked was SR46049U / Repacked was SR46049X - Rpkgd was WMAPSWB50B	TRUE	FALSE	TRUE	Yes	5/26/2010	WMAPSWB50B		NA
2515	WMAPSWB540	SWB	APPROVED_CERT		10/29/2012 8:53	mccabed	SR-MD-PAD1	S5400			9/11/2012	9/20/2012	9/11/2012	9/20/2012		PCB Bulk Product Waste - Non Leachable; Waste Generation Date: 4/15/1971	- Rpkgd was SR460400 [overpacked] - Rpkgd into WMPSWB540A	TRUE	TRUE	TRUE	Yes	5/26/2010			
2516	WMAPSWB546	SWB	EMPLACED_CNTR	4/19/2013 14:54	10/19/2012 13:30	mccabed	SR-MD-PAD1	S5400	None		9/27/2012		9/27/2012				- Rpkgd was SR460222 - Rpkgd was SR460227B [overpacked]	TRUE	TRUE	TRUE			SR460227B	SR460222	Daughter
2517	WMAAPSWB547	SWB			7/16/2013 13:58	mccabed	SR-MD-PAD1	S5400			9/27/2012		9/27/2012	7/11/2013		PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-SWB-01 per JHarrison email 071613	- Rpkgd was SR46039U	TRUE	TRUE	TRUE	Yes	5/26/2010	SR46039U		Repack
2518	WMAPSWB548	SWB	APPROVED_CERT		1/23/2013 10:31	mccabed	SR-MD-PAD1	S5400			9/27/2012		9/27/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR460452	TRUE	TRUE	TRUE	Yes	5/26/2010	SR460452		Repack
2519	WMPSWB540A	SWB	EMPLACED_CNTR	4/13/2013 15:41	10/29/2012 8:52	mccabed	SR-MD-PAD1	S5400			9/20/2012		9/20/2012			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR460400 [overpacked] Rpkgd was WMAPSWB540	TRUE	TRUE	TRUE	Yes	5/26/2010	WMAPSWB540		Daughter
2520	MDL0504544A	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/26/2012 16:18	mccabed	SR-MD-SOIL	S4200	None	0	4/19/2012		4/19/2012				- Rpkgd was MDL0504544	TRUE	TRUE	TRUE			MDL0504544		Daughter
2521	MDL0504544B	SSG	EMPLACED_CNTR	4/11/2013 15:07	4/26/2012 16:19	mccabed	SR-MD-SOIL	S4200	None	0	4/19/2012		4/19/2012				- Rpkgd was MDL0504544	TRUE	TRUE	TRUE			MDL0504544		Daughter
2522	MDL0502413	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200	Remediate	1	11/11/2004	9/3/2008	11/11/2004	9/3/2008	5/6/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2523	MDL0502426	SSG	EMPLACED_CNTR	3/29/2011 12:59	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	11/15/2004		11/15/2004		5/10/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2524	MDL0503949	SSG	EMPLACED_CNTR	3/29/2011 12:59	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	11/17/2004		11/17/2004		5/12/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2525	MDL0504373	SSG	EMPLACED_CNTR	3/29/2011 12:59	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	2/26/2004		2/26/2004		8/20/2004	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2526	MDL0504392	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200	Remediate	1	11/15/2004	9/3/2008	11/15/2004	9/3/2008	5/10/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2527	MDL0504471	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200	Remediate	0	11/18/2004	3/29/2010	11/18/2004	3/29/2010	5/11/2005	Changed waste stream per DM012 043010		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2528	MDL0504474	SSG	EMPLACED_CNTR	6/28/2012 10:16	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	11/9/2004		11/9/2004		5/4/2005	ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2529	MDL0504476	SWB	EMPLACED_CNTR	3/29/2011 12:59	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	V&P Vent	0	1/19/2005	1/19/2005	1/19/2005	9/3/2008	7/14/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2530	MDL0504535	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	11/16/2004		11/16/2004		5/11/2005										
2531	MDL0504544	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/26/2012 16:19	mccabed	SR-MD-SOIL	$4200	Remediation	0	11/16/2004	4/19/2012	11/16/2004	4/19/2012		ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010	- Rpkgd into MD0504544A - Rpkgd into MD0504544B	TRUE	TRUE	TRUE					
2532	MDL0504556	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:51	mccabed	SR-MD-SOIL	$4200		0	11/15/2004		11/15/2004			WWIS_Status:PRESUB_CERT		TRUE	TRUE	TRUE					
2533	MDL0504564	SSG	EMPLACED_CNTR	3/28/2011 19:55	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	11/16/2004		11/16/2004		5/11/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2534	MDL0504586	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	11/16/2004	9/16/2008	11/16/2004	9/16/2008	5/11/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2535	MDL0506004	SWB	EMPLACED_CNTR	5/2/2011 22:33	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	1/19/2005		1/19/2005		7/14/2005	ventdate1 removed due to sample port only DMc per JRovansek 040709		TRUE	TRUE	TRUE					
2536	MDL0506005	SSG	EMPLACED_CNTR	5/2/2011 22:33	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		1	12/1/2004		12/1/2004		5/27/2005	Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2537	MDL0506007	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:54	mccabed	SR-MD-SOIL	$4200		1	1/31/2005		1/31/2005			Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2538	MDL0506030	SSG	APPROVED_SHIP		7/18/2012 7:45	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			Changed containertype from SWB per LWatson email 071712.		TRUE	TRUE	TRUE					
2539	MDL0506061	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	12/8/2004		12/8/2004		6/2/2005										
2540	MDL0506067	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	12/6/2004		12/6/2004		5/31/2005										
2541	MDL0506073	SWB	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		1	1/19/2005		1/19/2005		7/14/2005										
2542	MDL0506074	SSG	EMPLACED_CNTR	5/2/2011 22:33	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	12/8/2004		12/8/2004		6/2/2005	ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2543	MDL0506075	SSG	APPROVED_SHIP		7/18/2012 7:46	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			Changed containertype from SWB per LWatson email 071712.		TRUE	TRUE	TRUE					
2544	MDL0506095	SWB	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		1	1/19/2005		1/19/2005		7/14/2005										
2545	MDL0506103	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:55	mccabed	SR-MD-SOIL	$4200		0	12/6/2004		12/6/2004			Re-evaluation to change waste stream per JLuginbyhl 061709		TRUE	TRUE	TRUE					
2546	MDL0506105	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	11/22/2004	9/17/2008	11/22/2004	9/17/2008	5/17/2005	Re-evaluation to change waste stream per JLuginbyhl 061709		TRUE	TRUE	TRUE					
2547	MDL0506109	SSG	EMPLACED_CNTR	3/28/2011 19:55	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	12/8/2004		12/8/2004		6/2/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2548	MDL0506112	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	12/8/2004	9/4/2008	12/8/2004	9/4/2008	6/2/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2549	MDL0506146	SWB	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		1	1/19/2005		1/19/2005		7/14/2005										
2550	MDL0506223	SSG	APPROVED_SHIP		7/18/2012 7:48	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			Changed containertype from SWB per LWatson email 071712.		TRUE	TRUE	TRUE					
2551	MDL0506233	SSG	APPROVED_SHIP		7/18/2012 7:46	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			Changed containertype from SWB per LWatson email 071712.		TRUE	TRUE	TRUE					
2552	MDL0506267	SSG	APPROVED_SHIP		11/14/2011 13:43	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			WWIS_Status:PRESUB_CHART	Changed containertype per LWatson email 111411.	TRUE	TRUE	TRUE					
2553	MDL0506281	SSG	APPROVED_SHIP		7/18/2012 7:47	mccabed	SR-MD-SOIL	$4200			1/19/2005		1/19/2005			Changed containertype from SWB per LWatson email 071712.		TRUE	TRUE	TRUE					
2554	MDL0506542	SSG	EMPLACED_CNTR	3/28/2011 19:55	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/20/2005		4/20/2005		10/13/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2555	MDL0506551	SSG	APPROVED_SHIP		4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	V&P Vent	0	4/21/2005	4/21/2005	4/21/2005	2/4/2008	10/14/2005	Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2556	MDL0506566	SSG			9/7/2012 9:19	mccabed	SR-MD-SOIL	$4200	V&P Vent	0	4/21/2005	4/21/2005	4/21/2005	9/3/2008		Changed waste stream per DR012 043010; changed WS from SR-MD-SOIL to SR-MD-NET per MPapp email DR039 050112; Changed WS back to SR-MD-SOIL per LWatson email 090612.		TRUE	TRUE	TRUE					
2557	MDL0506581	SSG	EMPLACED_CNTR	3/28/2011 19:55	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/20/2005		4/20/2005		10/13/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2558	MDL0506583	SSG	EMPLACED_CNTR	4/11/2011 21:26	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/20/2005		4/20/2005		10/13/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2559	MDL0506588	SSG	EMPLACED_CNTR	12/21/2011 13:12	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	V&P Vent	0	4/21/2005	4/21/2005	4/21/2005	2/4/2008	10/14/2005	Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2560	MDL0506629	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	0	4/4/2005	3/30/2010	4/4/2005	3/30/2010	9/27/2005										
2561	MDL0506637	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	4/4/2005	9/15/2008	4/4/2005	9/15/2008	9/27/2005	Waste stream changed due to AK re-eval per JLungbyhl 072409		TRUE	TRUE	TRUE					
2562	MDL0506648	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/20/2005		4/20/2005		10/13/2005										
2563	MDL0506656	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:56	mccabed	SR-MD-SOIL	$4200	V&P Vent	0	4/4/2005	4/4/2005	4/4/2005	9/3/2008		WWIS_Status:PRESUB_CERT		TRUE	TRUE	TRUE					
2564	MDL0506666	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	4/4/2005	9/16/2008	4/4/2005	9/16/2008	9/27/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2565	MDL0506674	SSG	APPROVED_SHIP		4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	V&P Vent	0	4/4/2005	4/4/2005	4/4/2005	2/4/2008	9/27/2005	Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2566	MDL0506675	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:57	mccabed	SR-MD-SOIL	$4200		0	4/4/2005		4/4/2005			ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2567	MDL0506679	SSG	EMPLACED_CNTR	5/2/2011 22:33	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200	Remediate	1	4/4/2005	9/15/2008	4/4/2005	9/15/2008	9/27/2005	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2568	MDL0506689	SSG	EMPLACED_CNTR	4/11/2011 21:26	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/4/2005		4/4/2005		9/27/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
2569	MDL0506690	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	4/4/2005		4/4/2005		9/27/2005										
2570	MDL0506692	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:58	mccabed	SR-MD-SOIL	$4200		0	4/4/2005		4/4/2005			ventdate1 removed due to sample port only DMc per JRovansek 040709; Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2571	MDL0518000	SWB	EMPLACED_CNTR	2/16/2011 22:12	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200			1/19/2005		1/19/2005		7/14/2005										
2572	MDL0543307	SSG	EMPLACED_CNTR	8/28/2012 10:16	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		1	11/15/2004		11/15/2004		5/19/2005	Changed waste stream per DR012 043010		TRUE	TRUE	TRUE					
2573	MDL0544462	SSG	EMPLACED_CNTR	8/1/2012 11:14	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	11/17/2004		11/17/2004		5/13/2005	Re-evaluation to change waste stream per JLuginbyhl 061709		TRUE	TRUE	TRUE					
2574	MDLSG2413A	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	9/3/2008		9/3/2008		2/26/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2575	MDL504392A	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	9/3/2008		9/3/2008		2/26/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2576	MDL504472A	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	3/29/2010		3/29/2010		9/21/2010	MDL0504472 is the parent container (10-digit kmk); Changed waste stream per Clemmons email 051010		TRUE	TRUE	TRUE					
2577	MDL504472B	SSG	EMPLACED_CNTR	12/21/2011 13:12	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	3/29/2010		3/29/2010		9/21/2010	MDL0504472 is the parent container (10-digit kmk); Changed waste stream per Clemmons 051010		TRUE	TRUE	TRUE					
2578	MDL504586A	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	$4200		0	9/16/2008		9/16/2008		3/11/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2579	MDL5045898	SSG	EMPLACED_CNTR	1/17/2012 10:08	10/18/2011 15:59	mccabed	SR-MD-SOIL	S4200		0	9/16/2008		9/16/2008			Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2580	MDL5061054	SSG	EMPLACED_CNTR	12/21/2011 13:12	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	9/17/2008		9/17/2008		3/12/2009	Changed waste stream per JLuginbyhl 072209		TRUE	TRUE	TRUE					
2581	MDL5061124	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	9/4/2008		9/4/2008		2/27/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2582	MDL5066294	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	3/30/2010		3/30/2010		9/22/2010	MDL0506629 is the parent container L10 character limit; Changed waste stream per CSimmons 051010		TRUE	TRUE	TRUE					
2583	MDL5066298	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	3/30/2010		3/30/2010		9/22/2010	MDL0506629 is the parent container L10 character limit; Changed waste stream per CSimmons 051010		TRUE	TRUE	TRUE					
2584	MDL5066374	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	9/15/2008		9/15/2008		3/10/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2585	MDL5066664	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	9/16/2008		9/16/2008		3/11/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2586	MDL5066794	SSG	EMPLACED_CNTR	4/6/2011 23:36	4/28/2011 6:00	WWIS_Updt	SR-MD-SOIL	S4200		0	9/15/2008		9/15/2008		3/10/2009	Waste stream changed due to AK re-eval per JLuginbyhl 072409		TRUE	TRUE	TRUE					
2587	WMAPSLB016	SLB2	EMPLACED_CNTR	7/26/2013 10:19	10/4/2012 10:18	mccabed	SR-MD-SOIL	S4200			5/3/2012		5/3/2012	5/3/2012		Steel Box MDL02859 loaded per SW15-3-SOP-LCNCC-01	- Rpkgd was MDL02859	TRUE	TRUE	TRUE	NA		MDL02859		NA
2588	SR595647	SSG	APPROVED_CERT		9/10/2012 15:09	mccabed	SR-NIST-HET	S5400			8/16/1993		8/16/1993			Added per JHarrison email 091012.		FALSE	FALSE	TRUE	NA				
2589	FCA070001	SWB	EMPLACED_CNTR	7/23/2013 9:42	2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/26/2007		4/26/2007					TRUE	FALSE	TRUE					
2590	SD000055323	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/19/2006		4/19/2006					TRUE	FALSE	TRUE					
2591	SD000055324	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/19/2006		4/19/2006					TRUE	FALSE	TRUE					
2592	SD000055325	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/29/2006		4/29/2006					TRUE	FALSE	TRUE					
2593	SD000055455	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/29/2006		4/29/2006					TRUE	FALSE	TRUE					
2594	SD000055456	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/29/2006		4/29/2006					TRUE	FALSE	TRUE					
2595	SD000055457	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/28/2006		4/28/2006					TRUE	FALSE	TRUE					
2596	SD000055458	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/28/2006		4/28/2006					TRUE	FALSE	TRUE					
2597	SD000055459	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/29/2006		4/29/2006					TRUE	FALSE	TRUE					
2598	SD000055470	SSG	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			4/29/2006		4/29/2006					TRUE	FALSE	TRUE					
2599	SD000055553	SWB	EMPLACED_CNTR	7/21/2013 11:13	2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			8/8/2006		8/8/2006					TRUE	FALSE	TRUE					
2600	SD000055554	SWB	APPROVED_CERT		2/24/2012 13:41	mccabed	SR-SDD-HET-A	S5400			8/27/2006		8/27/2006					TRUE	FALSE	TRUE					
2601	SD000076207	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006					TRUE	FALSE	TRUE					
2602	SD000076208	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:53	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2603	SD000076209	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006					TRUE	FALSE	TRUE					
2604	SD000076210	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006					TRUE	FALSE	TRUE					
2605	SD000076211	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006					TRUE	FALSE	TRUE					
2606	SD000076212	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006					TRUE	FALSE	TRUE					
2607	SD000076213	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:55	mccabed	SR-SDD-HOM-A	S3220			11/14/2006		11/14/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2608	SD000076214	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:54	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2609	SD000076215	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:57	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2610	SD000076216	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006					TRUE	FALSE	TRUE					
2611	SD000076217	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006					TRUE	FALSE	TRUE					
2612	SD000076218	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006					TRUE	FALSE	TRUE					
2613	SD000076219	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/15/2006		11/15/2006					TRUE	FALSE	TRUE					
2614	SD000076220	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:59	mccabed	SR-SDD-HOM-A	S3220	Remediation		11/20/2006	11/3/2011	11/20/2006	11/3/2011		Container sent to Idaho for Solid Sampling	- Rpkgd into SD0076220A	TRUE	FALSE	TRUE					
2615	SD000076220A	SSG	APPROVED_CERT		11/15/2011 11:13	mccabed	SR-SDD-HOM-A	S3220	None		11/3/2011		11/3/2011				- Rpkgd was SD0076220	TRUE	FALSE	TRUE			SD0076220		Daughter
2616	SD000076221	SSG	APPROVED_CERT		12/15/2011 9:42	mccabed	SR-SDD-HOM-A	S3220	Remediation		11/20/2006	12/8/2011	11/20/2006	12/8/2011			- Rpkgd into SD0076221A	TRUE	FALSE	TRUE					
2617	SD000076221A	SSG	APPROVED_CERT		12/15/2011 9:42	mccabed	SR-SDD-HOM-A	S3220	None		12/8/2011		12/8/2011				- Rpkgd was SD0076221	TRUE	FALSE	TRUE			SD0076221		Daughter
2618	SD000076222	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/20/2006		11/20/2006					TRUE	FALSE	TRUE					
2619	SD000076223	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/20/2006		11/20/2006					TRUE	FALSE	TRUE					
2620	SD000076224	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 9:01	mccabed	SR-SDD-HOM-A	S3220			11/20/2006		11/20/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2621	SD000076225	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/20/2006		11/20/2006					TRUE	FALSE	TRUE					
2622	SD000076236	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/20/2006		11/20/2006					TRUE	FALSE	TRUE					
2623	SD000076237	SSG	EMPLACED_CNTR	3/20/2013 15:31	9/20/2012 8:58	mccabed	SR-SDD-HOM-A	S3220			11/21/2006		11/21/2006			Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2624	SD000076238	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/21/2006		11/21/2006					TRUE	FALSE	TRUE					
2625	SD000076239	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/21/2006		11/21/2006					TRUE	FALSE	TRUE					
2626	SD000076240	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-A	S3220			11/22/2006		11/22/2006					TRUE	FALSE	TRUE					
2627	FCA080001	SSG	EMPLACED_CNTR	4/11/2013 15:07	12/15/2011 9:36	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/7/2008	12/9/2011	5/7/2008	12/9/2011			- Rpkgd into FCA080001A	TRUE	FALSE	TRUE					
2628	FCA080001A	SSG	EMPLACED_CNTR	4/4/2013 15:21	12/15/2011 9:36	mccabed	SR-SDD-HOM-B	S3120	None		12/9/2011		12/9/2011				- Rpkgd was FCA080001	TRUE	FALSE	TRUE			FCA080001		Daughter
2629	FCA080002	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:03	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/7/2008	11/2/2011	5/7/2008	11/2/2011		Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2630	FCA080003	SSG	EMPLACED_CNTR	4/11/2013 15:07	5/8/2012 15:05	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/7/2008	5/2/2012	12/9/2011	5/2/2012		Remediation 12/9/2011 and 5/2/2012	- Rpkgd into FCA080003A - Rpkgd into FCA080003B	TRUE	FALSE	TRUE					
2631	FCA080003A	SSG	EMPLACED_CNTR	4/23/2013 8:01	12/15/2011 9:37	mccabed	SR-SDD-HOM-B	S3120	None		12/9/2011		12/9/2011				- Rpkgd was FCA080003	TRUE	FALSE	TRUE			FCA080003		Daughter
2632	FCA080003B	SSG	EMPLACED_CNTR	4/4/2013 15:25	5/8/2012 15:05	mccabed	SR-SDD-HOM-B	S3120	None		5/2/2012		5/2/2012				- Rpkgd was FCA080003	TRUE	FALSE	TRUE			FCA080003		Daughter
2633	FCA080004	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:04	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/7/2008	12/13/2011	5/7/2008	12/13/2011		Container sent to Idaho for Solid Sampling	- Rpkgd into FCA080004A	TRUE	FALSE	TRUE					
2634	FCA080004A	SSG	EMPLACED_CNTR	4/4/2013 15:21	12/15/2011 9:28	mccabed	SR-SDD-HOM-B	S3120	None		12/13/2011		12/13/2011				- Rpkgd was FCA080004	TRUE	FALSE	TRUE			FCA080004		Daughter
2635	FCA080005	SSG	EMPLACED_CNTR	4/4/2013 15:25	5/9/2012 15:29	mccabed	SR-SDD-HOM-B	S3120	None		5/7/2008	5/3/2012	12/9/2011	5/3/2012		Remediation 12/9/2011; 221-F-55006 Tru Drum Repackaging	- Rpkgd into FCA080005A	TRUE	FALSE	TRUE					
2636	FCA080005A	SSG	EMPLACED_CNTR	4/11/2013 15:07	5/9/2012 15:29	mccabed	SR-SDD-HOM-B	S3120	None		5/3/2012		5/3/2012				- Rpkgd was FCA080005	TRUE	FALSE	TRUE			FCA080005		Daughter
2637	FCA080006	SSG	EMPLACED_CNTR	4/23/2013 8:01	8/11/2011 10:14	mccabed	SR-SDD-HOM-B	S3120			8/26/2008		8/26/2008					TRUE	FALSE	TRUE					
2638	FCA080006A	SSG	EMPLACED_CNTR	4/23/2013 8:01	8/11/2011 10:14	mccabed	SR-SDD-HOM-B	S3120			8/26/2008		8/26/2008					TRUE	FALSE	TRUE					
2639	FCA080007	SSG	EMPLACED_CNTR	4/4/2013 15:21	8/11/2011 10:10	mccabed	SR-SDD-HOM-B	S3120			8/27/2008		8/27/2008					TRUE	FALSE	TRUE					
2640	FCA080007A	SSG	EMPLACED_CNTR	4/23/2013 8:01	8/11/2011 10:12	mccabed	SR-SDD-HOM-B	S3120			8/27/2008		8/27/2008					TRUE	FALSE	TRUE					
2641	FCA080008	SSG	EMPLACED_CNTR	4/4/2013 15:25	5/9/2012 15:33	mccabed	SR-SDD-HOM-B	S3120	None		5/8/2008	5/3/2012	12/9/2011	5/3/2012		Remediated 12/9/2011; 221-F 55006 Tru Drum Repackaging	- Rpkgd into FCA080008A - Rpkgd into FCA080008B	TRUE	FALSE	TRUE					
2642	FCA080008A	SSG	EMPLACED_CNTR	4/23/2013 8:01	12/15/2011 9:39	mccabed	SR-SDD-HOM-B	S3120	None		12/9/2011		12/9/2011				- Rpkgd was FCA080008	TRUE	FALSE	TRUE			FCA080008		Daughter
2643	FCA080008B	SSG	EMPLACED_CNTR	4/23/2013 8:01	5/9/2012 15:33	mccabed	SR-SDD-HOM-B	S3120	None		5/3/2012		5/3/2012				- Rpkgd was FCA080008	TRUE	FALSE	TRUE			FCA080008		Daughter
2644	FCA080009	SSG	EMPLACED_CNTR	4/4/2013 15:25	8/11/2011 10:15	mccabed	SR-SDD-HOM-B	S3120			9/2/2008		9/2/2008					TRUE	FALSE	TRUE					
2645	FCA080009A	SSG	EMPLACED_CNTR	4/4/2013 15:25	8/11/2011 10:16	mccabed	SR-SDD-HOM-B	S3120			9/2/2008		9/2/2008					TRUE	FALSE	TRUE					
2646	FCA080010	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:05	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/8/2008	11/3/2011	5/8/2008	11/3/2011		Container sent to Idaho for Solid Sampling		TRUE	FALSE	TRUE					
2647	FCA080011	SSG	EMPLACED_CNTR	4/11/2013 15:07	12/15/2011 9:40	mccabed	SR-SDD-HOM-B	S3120	Remediation		5/8/2008	12/10/2011	5/8/2008	12/10/2011			- Rpkgd into FCA080011A	TRUE	FALSE	TRUE					
2648	FCA080012	SSG	APPROVED_CERT		8/11/2011 10:13	mccabed	SR-SDD-HOM-B	S3120			9/2/2008		9/2/2008					TRUE	FALSE	TRUE					
2649	FCA080012A	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/11/2011 10:07	mccabed	SR-SDD-HOM-B	S3120			9/2/2008		9/2/2008					TRUE	FALSE	TRUE					
2650	FCAN06025	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:02	mccabed	SR-SDD-HOM-B	S3120	Remediation		7/31/2006	11/16/2011	7/31/2006	11/16/2011		PCB Remediation Waste; Container sent to Idaho for Solid Sampling	- Rpkgd into FCAN06025A	TRUE	FALSE	TRUE	Yes	6/12/2007			
2651	FCAN06025A	SSG	APPROVED_CERT		11/17/2011 16:13	mccabed	SR-SDD-HOM-B	S3120	None		11/16/2011		11/16/2011			PCB Remediation Waste	- Rpkgd was FCAN06025	TRUE	FALSE	TRUE	Yes	6/12/2007	FCAN06025		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2652	FCAN06035	SWB	EMPLACED_CNTR	4/13/2013 15:41	6/4/2012 11:33	mccabed	SR-SDD-HOM-B	S3120			7/31/2006	5/23/2012	7/31/2006	5/23/2012		PCB Remediation Waste; SW15 3-SOP-CEL11-03 Cell 11 Tru Repackaging Operation.		TRUE	FALSE	TRUE	Yes	6/12/2007			
2653	FCAN06036	SWB			4/4/2013 15:32	mccabed	SR-SDD-HOM-B	S3120			5/22/2012	2/13/2013	5/22/2012	2/13/2013		Original Closure and Vent date. 7/31/2006; PCB Remediation Waste; SW15 3-SOP-CEL11-03 Cell 11 Tru Repackaging Operation; NOP 221-H-8827.	- Rpkgd into FCAN06036A	TRUE	FALSE	TRUE	Yes	6/12/2007			
2654	FCAN06037	SWB	EMPLACED_CNTR	4/13/2013 15:41	6/4/2012 11:34	mccabed	SR-SDD-HOM-B	S3120			7/31/2006	5/24/2012	7/31/2006	5/24/2012		PCB Remediation Waste; SW15 3-SOP-CEL11-03 Cell 11 Tru Repackaging Operation.		TRUE	FALSE	TRUE	Yes	6/12/2007			
2655	FCAN06038	SWB	EMPLACED_CNTR	4/13/2013 15:41	2/12/2012 12:33	mccabed	SR-SDD-HOM-B	S3120			7/31/2006	9/21/2011	7/31/2006	9/21/2011		PCB Remediation Waste; Cell 11 Tru Repackaging Operation SW15 3-SOP-CEL11-03.		TRUE	FALSE	TRUE	Yes	6/12/2007			
2656	FCAN06040	SWB	EMPLACED_CNTR	4/9/2013 14:46	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			7/31/2006		7/31/2006			PCB Remediation Waste		TRUE	FALSE	TRUE	Yes	6/12/2007			
2657	SDD0005599	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/15/2006		6/15/2006					TRUE	FALSE	TRUE					
2658	SDD0005600	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/15/2006		6/15/2006					TRUE	FALSE	TRUE					
2659	SDD0005601	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/15/2006		6/15/2006					TRUE	FALSE	TRUE					
2660	SDD0005602	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/15/2006		6/15/2006					TRUE	FALSE	TRUE					
2661	SDD0005603	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/16/2006		6/16/2006					TRUE	FALSE	TRUE					
2662	SDD0005604	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/16/2006		6/16/2006					TRUE	FALSE	TRUE					
2663	SDD0005605	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/17/2006		6/17/2006					TRUE	FALSE	TRUE					
2664	SDD0005606	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/17/2006		6/17/2006					TRUE	FALSE	TRUE					
2665	SDD0005607	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/17/2006		6/17/2006					TRUE	FALSE	TRUE					
2666	SDD0005608	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/17/2006		6/17/2006					TRUE	FALSE	TRUE					
2667	SDD0005609	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:06	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006			Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE					
2668	SDD0005610	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:07	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006			Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE					
2669	SDD0005611	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006					TRUE	FALSE	TRUE					
2670	SDD0005612	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006					TRUE	FALSE	TRUE					
2671	SDD0005613	SSG	EMPLACED_CNTR	4/11/2013 15:07	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006					TRUE	FALSE	TRUE					
2672	SDD0005614	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/19/2006		6/19/2006					TRUE	FALSE	TRUE					
2673	SDD0005615	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/20/2006		6/20/2006					TRUE	FALSE	TRUE					
2674	SDD0005616	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/20/2006		6/20/2006					TRUE	FALSE	TRUE					
2675	SDD0005617	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/20/2006		6/20/2006					TRUE	FALSE	TRUE					
2676	SDD0005618	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/20/2006		6/20/2006					TRUE	FALSE	TRUE					
2677	SDD0005619	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/20/2006		6/20/2006					TRUE	FALSE	TRUE					
2678	SDD0005620	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006					TRUE	FALSE	TRUE					
2679	SDD0005621	SSG	EMPLACED_CNTR	4/4/2013 15:25	8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006					TRUE	FALSE	TRUE					
2680	SDD0005622	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/20/2012 9:08	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006			Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE					
2681	SDD0005623	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006					TRUE	FALSE	TRUE					
2682	SDD0005624	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006					TRUE	FALSE	TRUE					
2683	SDD0005625	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/21/2006		6/21/2006					TRUE	FALSE	TRUE					
2684	SDD0005626	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/22/2006		6/22/2006					TRUE	FALSE	TRUE					
2685	SDD0005627	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/22/2006		6/22/2006					TRUE	FALSE	TRUE					
2686	SDD0005628	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/22/2006		6/22/2006					TRUE	FALSE	TRUE					
2687	SDD0005629	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/23/2006		6/23/2006					TRUE	FALSE	TRUE					
2688	SDD0005630	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/23/2006		6/23/2006					TRUE	FALSE	TRUE					
2689	SDD0005631	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/23/2006		6/23/2006					TRUE	FALSE	TRUE					
2690	SDD0005632	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/24/2006		6/24/2006					TRUE	FALSE	TRUE					
2691	SDD0005633	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/24/2006		6/24/2006					TRUE	FALSE	TRUE					
2692	SDD0005634	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/24/2006		6/24/2006					TRUE	FALSE	TRUE					
2693	SDD0005635	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/24/2006		6/24/2006					TRUE	FALSE	TRUE					
2694	SDD0005636	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/26/2006		6/26/2006					TRUE	FALSE	TRUE					
2695	SDD0005637	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/26/2006		6/26/2006					TRUE	FALSE	TRUE					
2696	SDD0005638	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/26/2006		6/26/2006					TRUE	FALSE	TRUE					
2697	SDD0005639	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/27/2006		6/27/2006					TRUE	FALSE	TRUE					
2698	SDD0005640	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/27/2006		6/27/2006					TRUE	FALSE	TRUE					
2699	SDD0005641	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/27/2006		6/27/2006					TRUE	FALSE	TRUE					
2700	SDD0005642	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/28/2006		6/28/2006					TRUE	FALSE	TRUE					
2701	SDD0005643	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/28/2006		6/28/2006					TRUE	FALSE	TRUE					
2702	SDD0005644	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/28/2006		6/28/2006					TRUE	FALSE	TRUE					
2703	SDD0005645	SSG	APPROVED_CERT		8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/29/2006		6/29/2006					TRUE	FALSE	TRUE					
2704	SDD0005646	SSG			8/1/2011 16:16	mccabed	SR-SDD-HOM-B	S3120			6/30/2006		6/30/2006					TRUE	FALSE	TRUE					
2705	SR161889	SSG	APPROVED_CERT		4/17/2013 14:19	mccabed	SR-SWMF-HET-A	S5400			5/28/1985	4/2/2007	5/28/1985	4/2/2007		Added per JMontoya 041713		TRUE	FALSE	FALSE	NA				
2706	SR171240B	SSG	EMPLACED_CNTR	1/16/2013 15:01	10/24/2012 13:51	mccabed	SR-SWMF-HET-A	S5400			4/26/2012		4/26/2012			Added per JSchoen email 102412	- Rpkgd was SR171240	TRUE	FALSE	TRUE	NA		SR171240		Daughter
2707	SR1712400	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/24/2012 13:51	mccabed	SR-SWMF-HET-A	S5400			4/26/2012		4/26/2012			Added per JSchoen email 102412	- Rpkgd was SR171240	TRUE	FALSE	TRUE	NA		SR171240		Daughter
2708	SR1712401	SSG	EMPLACED_CNTR	4/4/2013 15:25	10/24/2012 13:52	mccabed	SR-SWMF-HET-A	S5400			4/26/2012		4/26/2012			Added per JSchoen email 102412.	- Rpkgd was SR171240	TRUE	FALSE	TRUE	NA		SR171240		Daughter
2709	SR1712402	SSG	EMPLACED_CNTR	4/4/2013 15:25	10/24/2012 13:52	mccabed	SR-SWMF-HET-A	S5400			5/7/2012		5/7/2012			Added per JSchoen email 102412.	- Rpkgd was SR171240	TRUE	FALSE	TRUE	NA		SR171240		Daughter
2710	SR1712404	SSG	EMPLACED_CNTR	1/17/2013 13:45	10/24/2012 13:53	mccabed	SR-SWMF-HET-A	S5400			5/7/2012		5/7/2012			Added per JSchoen email 102412	- Rpkgd was SR171240	TRUE	FALSE	TRUE	NA		SR171240		Daughter
2711	SWD021001	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	11/18/2002		11/18/2002		12/5/2002										
2712	SWD031000	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	4/2/2003	4/2/2008	4/2/2003	4/2/2008	9/25/2003										
2713	SWD031170	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	3/14/2003		3/14/2003		1/31/2003										
2714	SWD031215	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	6/10/2003	4/2/2008	6/10/2003	4/2/2008	12/3/2003										
2715	SWD031244	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/8/2003	4/25/2008	7/8/2003	4/25/2008	12/31/2003										
2716	SWD031246	SSG	APPROVED_CHARZ		4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	4/8/2003		4/8/2003		4/25/2003			TRUE	TRUE	TRUE					
2717	SWD031284	SSG	EMPLACED_CNTR	11/15/2012 12:47	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	7/15/2003		7/15/2003		1/7/2004			TRUE	TRUE	TRUE					
2718	SWD031286	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	6/9/2003	4/25/2008	6/9/2003	4/25/2008	12/3/2003										
2719	SWD031320	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	6/23/2003	4/25/2008	6/23/2003	4/25/2008	12/16/2003										
2720	SWD031325	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	7/1/2003		7/1/2003		7/18/2003										
2721	SWD031328	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	6/10/2003	4/2/2008	6/10/2003	4/2/2008	12/3/2003										
2722	SWD031363	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	6/25/2003		6/25/2003		7/12/2003										
2723	SWD031364	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	12/11/2005		12/11/2005		12/28/2005										
2724	SWD031372	SSG	EMPLACED_CNTR	11/3/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/30/2003	5/14/2008	7/30/2003	5/14/2008	1/22/2004										
2725	SWD031372A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	5/14/2008		5/14/2008		11/6/2008										
2726	SWD031373	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/17/2003	4/21/2008	7/17/2003	4/21/2008	1/9/2004										
2727	SWD031385	SSG	EMPLACED_CNTR	10/14/2012 10:29	7/12/2012 13:51	mccabed	SR-SWMF-HET-A	S5400		0	3/17/2005	7/5/2012	3/17/2005	7/5/2012		221-F-55037 Remediation of TRU Drums.		TRUE	TRUE	TRUE					
2728	SWD031386	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	8/11/2003	4/21/2008	8/11/2003	4/21/2008	2/3/2004										
2729	SWD031395	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	8/5/2003		8/5/2003		8/22/2003										
2730	SWD031398	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	7/31/2003		7/31/2003		8/17/2003										
2731	SWD031410	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	S5400		0	8/6/2003		8/6/2003		8/23/2003										
2732	SWD031423	SSG	EMPLACED_CNTR	10/27/2011 19:46	5/12/2011 17:51	mccabed	SR-SWMF-HET-A	S5400		0	7/23/2004	5/4/2011	7/23/2004	5/4/2011		ventdate1 removed due to sample port only DMK per JRowansek 040709.	- Rpkgd into SWD031423A	TRUE	TRUE	TRUE					
2733	SWD031423A	SSG			5/12/2011 17:51	mccabed	SR-SWMF-HET-A	S5400		0	5/4/2011		5/4/2011				- Rpkgd was SWD031423	TRUE	TRUE	TRUE			SWD031423		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2734	SWD031427	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	8/25/2003		8/25/2003		9/11/2003										
2735	SWD031438	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	8/31/2003	4/14/2008	8/31/2003	4/14/2008	1/23/2004										
2736	SWD031438A	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/14/2008		4/14/2008		10/7/2008										
2737	SWD031440	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/6/2003		9/6/2003		9/13/2003										
2738	SWD031441	SSG	EMPLACED_CNTR	7/10/2012 10:45	5/1/2012 21:01	mccabed	SR-SWMF-HET-A	55400	Remediation	0	7/24/2004	4/27/2012	7/24/2004	4/27/2012			- Rpkgd into SWD031442A - Rpkgd was SWD031441	TRUE TRUE	TRUE TRUE	TRUE TRUE			SWD031441		Daughter
2739	SWD031441A	SSG	EMPLACED_CNTR	7/10/2012 10:45	5/1/2012 21:01	mccabed	SR-SWMF-HET-A	55400	None	0	4/27/2012		4/27/2012												
2740	SWD031455	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/7/2003		9/7/2003		9/24/2003										
2741	SWD031458	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/14/2003		9/14/2003		10/1/2003										
2742	SWD031462	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/14/2003		9/14/2003		10/1/2003										
2743	SWD031473	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/29/2003		9/29/2003		10/16/2003										
2744	SWD031493	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	10/11/2003		10/11/2003		10/28/2003										
2745	SWD031494	SSG	EMPLACED_CNTR	10/30/2011 13:05	5/12/2011 17:54	mccabed	SR-SWMF-HET-A	55400	Remediation	0	7/23/2004	5/4/2011	7/23/2004	5/4/2011		ventdate1 removed due to sample port only DMc per JRovansek 040709		TRUE	TRUE	TRUE					
2746	SWD031498	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	11/28/2001		11/28/2001		12/15/2001										
2747	SWD031499	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	10/11/2001	1/3/2007	10/11/2001	1/3/2007	4/5/2002										
2748	SWD031500	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	1/16/2001		1/16/2001		2/2/2002										
2749	SWD031502	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	1/21/2002	1/24/2007	1/21/2002	1/24/2007	7/16/2002										
2750	SWD031503	SSG	EMPLACED_CNTR	11/12/2008 13:13	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	6/18/2002	4/1/2008	6/18/2002	4/1/2008	12/11/2002										
2751	SWD031504	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/16/2002		9/16/2002		10/3/2007										
2752	SWD031505	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	10/23/2002	4/1/2008	10/23/2002	4/1/2008	4/17/2003										
2753	SWD031506	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	1/9/2001		1/9/2001		1/24/2001										
2754	SWD031507	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	4/25/2001	3/28/2008	4/25/2001	3/28/2008	10/18/2001										
2755	SWD031508	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/15/2001		5/15/2001		6/1/2001										
2756	SWD031509	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	8/23/2001		8/23/2001		9/5/2001										
2757	SWD031511	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	9/27/2001	6/30/2008	9/27/2001	6/30/2008	3/22/2002										
2758	SWD031518A	SSG			5/18/2011 20:44	mccabed	SR-SWMF-HET-A	55400	None	0	5/12/2011		5/12/2011				- Rpkgd was SWD031518	TRUE	TRUE	TRUE			SWD031518		Daughter
2759	SWD031533	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	12/21/2003		12/21/2003		1/7/2004										
2760	SWD031595	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	5/4/2004	4/1/2008	5/4/2004	4/1/2008	10/27/2004										
2761	SWD031610	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	10/19/2003		10/19/2003		11/5/2003										
2762	SWD031819A	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/2/2008		4/2/2008		9/25/2008										
2763	SWD031908	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/25/2004	4/2/2008	7/25/2004	4/2/2008	1/17/2005										
2764	SWD031908A	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/2/2008		4/2/2008		9/25/2008										
2765	SWD031909	SSG	EMPLACED_CNTR	11/14/2012 12:53	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/16/2004		4/16/2004		10/9/2004			TRUE	TRUE	TRUE					
2766	SWD031909B	SSG	APPROVED_CERT		5/11/2012 8:17	mccabed	SR-SWMF-HET-A	55400			4/16/2004		4/16/2004					TRUE	FALSE	FALSE					
2767	SWD031946	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/24/2004	4/3/2008	7/24/2004	4/3/2008	1/16/2005										
2768	SWD031947B	SSG	EMPLACED_CNTR	6/9/2012 13:10	2/15/2013 11:41	mccabed	SR-SWMF-HET-A	55400	None	0	1/20/2012		1/20/2012				- Rpkgd was SWD031947	TRUE	TRUE	TRUE			SWD031947		Repack
2769	SWD041029	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	2/1/2004		2/1/2004		2/18/2004										
2770	SWD041040	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	4/15/2004	4/3/2008	4/15/2004	4/3/2008	10/8/2004										
2771	SWD041040A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/3/2008		4/3/2008		9/26/2008										
2772	SWD041048	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/12/2004		9/12/2004		9/29/2004										
2773	SWD041058	SSG	EMPLACED_CNTR	8/26/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	2/17/2004		2/17/2004		3/5/2004										
2774	SWD041062	SSG	EMPLACED_CNTR	6/11/2013 15:07	5/8/2012 14:52	mccabed	SR-SWMF-HET-A	55400	Remediation	0	4/4/2004	4/12/2012	1/23/2012	4/12/2012		221-F-55037 Remediation of Tru drums containing aerosol cans and commercially pressurized containers	- Rpkgd into SWD041062A - Rpkgd into SWD041062B - Rpkgd into SWD041062D	TRUE	TRUE	TRUE					
2775	SWD041062B	SSG	EMPLACED_CNTR	5/30/2012 13:45	1/27/2012 17:12	mccabed	SR-SWMF-HET-A	55400	None	0	1/23/2012		1/23/2012				- Rpkgd was SWD041062	TRUE	TRUE	TRUE			SWD041062		Daughter
2776	SWD041062D	SSG	APPROVED_CERT		3/14/2013 10:21	mccabed	SR-SWMF-HET-A	55400	None	0	4/12/2012		4/12/2012			Exclude due to LLW VWaldram email 071712; Un-exclude per LWatson 031413	- Rpkgd was SWD041062	TRUE	TRUE	TRUE			SWD041062		Daughter
2777	SWD041064	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	2/25/2004	4/14/2008	2/25/2004	4/14/2008	8/19/2004										
2778	SWD041065	SSG	EMPLACED_CNTR	5/14/2012 10:35	1/27/2012 17:21	mccabed	SR-SWMF-HET-A	55400	Remediation	0	7/24/2004	1/24/2012	7/24/2004	1/24/2012			- Rpkgd into SWD041065A - Rpkgd into SWD041065B	TRUE	TRUE	TRUE					
2779	SWD041065B	SSG	EMPLACED_CNTR	5/11/2012 14:42	1/27/2012 17:21	mccabed	SR-SWMF-HET-A	55400	None	0	1/24/2012		1/24/2012				- Rpkgd was SWD041065	TRUE	TRUE	TRUE			SWD041065		Daughter
2780	SWD041066	SSG	EMPLACED_CNTR	8/28/2011 9:17	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	0	8/5/2004	12/14/2009	8/5/2004	12/14/2009	1/28/2005			TRUE	TRUE	TRUE					
2781	SWD041070	SSG	EMPLACED_CNTR	11/18/2012 12:53	5/8/2012 14:08	mccabed	SR-SWMF-HET-A	55400	Remediation	0	5/27/2004	4/12/2012	1/20/2012	4/12/2012		221-F-55037 Remediation of Tru drums containing aerosol cans and commercially pressurized containers	- Rpkgd into SWD041070A - Rpkgd into SWD041070B	TRUE	TRUE	TRUE					
2782	SWD041070B	SSG	APPROVED_CERT		3/14/2013 10:20	mccabed	SR-SWMF-HET-A	55400	None	0	4/12/2012		4/12/2012			Exclude due to LLW VWaldram email 071712; Un-exclude per LWatson 031413	- Rpkgd was SWD041070	TRUE	TRUE	TRUE			SWD041070		Daughter
2783	SWD041071	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/2/2005	4/24/2008	7/2/2005	4/24/2008	12/25/2005										
2784	SWD041077	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/24/2004	4/18/2008	7/24/2004	4/18/2008	1/16/2005										
2785	SWD041076	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	12/5/2004	5/14/2008	12/5/2004	5/14/2008	5/30/2005										
2786	SWD041076A	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/14/2008		5/14/2008		11/6/2008										
2787	SWD041078	SSG	EMPLACED_CNTR	10/18/2010 19:05	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/24/2004	5/21/2008	7/24/2004	5/21/2008	1/18/2005										
2788	SWD041079	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/24/2004	8/13/2008	7/24/2004	8/13/2008	1/16/2005										
2789	SWD041079A	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	8/13/2008		8/13/2008		8/5/2009										
2790	SWD041081	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/25/2004		5/25/2004		6/11/2004										
2791	SWD041092	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	3/31/2004	5/15/2008	3/31/2004	5/15/2008	9/23/2004										
2792	SWD041092A	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/15/2008		5/15/2008		11/7/2008										
2793	SWD041095	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	4/11/2004	4/14/2008	4/11/2004	4/14/2008	10/4/2004										
2794	SWD041106	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	3/29/2004		3/29/2004		4/15/2004										
2795	SWD041107	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	6/13/2004	5/21/2008	6/13/2004	5/21/2008	12/6/2004										
2796	SWD041107A	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/21/2008		5/21/2008		11/13/2008										
2797	SWD041108A	SSG			5/16/2011 20:48	mccabed	SR-SWMF-HET-A	55400	None	0	5/13/2011		5/13/2011				- Rpkgd was SWD041108	TRUE	TRUE	TRUE			SWD041108		Daughter
2798	SWD041108B	SSG	EMPLACED_CNTR	5/24/2012 10:35	4/3/2012 17:07	mccabed	SR-SWMF-HET-A	55400	None	0	5/13/2011	3/27/2012	5/13/2011	3/27/2012			- Rpkgd was SWD041108	TRUE	TRUE	TRUE			SWD041108		Daughter
2799	SWD041111	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/28/2004		4/28/2004		5/15/2004										
2800	SWD041118	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/2/2005	5/21/2008	7/2/2005	5/21/2008	12/25/2005										
2801	SWD041123	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	5/27/2004	4/28/2008	5/27/2004	4/28/2008	11/19/2004										
2802	SWD041131	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	6/23/2004		6/23/2004		7/10/2004										
2803	SWD041140	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/30/2004		4/30/2004		5/17/2004										
2804	SWD041148	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	9/21/2004		9/21/2004		10/8/2004										
2805	SWD041152	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	5/11/2004		5/11/2004		5/28/2004										
2806	SWD041155	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	6/9/2005		6/9/2005		6/26/2005										
2807	SWD041157	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	7/8/2004	4/7/2008	7/8/2004	4/7/2008	12/11/2004										
2808	SWD041157A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	4/7/2008		4/7/2008		9/30/2008										
2809	SWD041167	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400	Remediate	1	6/19/2004	4/1/2008	6/19/2004	4/1/2008	12/12/2004										
2810	SWD041249	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Upd	SR-SWMF-HET-A	55400		0	6/20/2005		6/20/2005		7/7/2005										
2811	SWD041253	SSG	EMPLACED_CNTR	11/18/2012 12:53	2/15/2012 11:50	mccabed	SR-SWMF-HET-A	55400	Remediation	0	7/25/2004	1/19/2012	7/25/2004	1/19/2012			- Rpkgd into SWD041253B	TRUE	TRUE	TRUE					
2812	SWD041253B	SSG	EMPLACED_CNTR	4/11/2013 15:07	2/15/2012 11:50	mccabed	SR-SWMF-HET-A	55400	None	0	1/19/2012		1/19/2012			B daughter is correct per TGreenwood email 021412	- Rpkgd was SWD041253	TRUE	TRUE	TRUE			SWD041253		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2813	SWD041265	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	9/25/2004	3/28/2008	9/25/2004	3/28/2008	3/29/2005										
2814	SWD041265A	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	3/28/2008		3/28/2008		9/20/2008										
2815	SWD041266	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400			6/29/1903		6/29/2003		12/23/2003										
2816	SWD041279	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/15/2004	4/29/2008	7/15/2004	4/29/2008	1/7/2005										
2817	SWD041284	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/25/2004	4/11/2008	7/25/2004	4/11/2008	1/17/2005										
2818	SWD041287	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	7/20/2004	4/8/2008	7/20/2004	4/8/2008	1/12/2005										
2819	SWD041288	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	6/29/2005		6/29/2005		7/16/2005										
2820	SWD041289	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	8/1/2004	4/14/2008	8/1/2004	4/14/2008	1/24/2005										
2821	SWD041290	SSG		10/30/2011 13:05	5/17/2011 17:20	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	6/24/2005	5/11/2011	6/24/2005	5/11/2011			- Rplcd into SWD041290A	TRUE	TRUE	TRUE					
2822	SWD041290A	SSG			5/17/2011 17:20	mccabed	SR-SWMF-HET-A	S5400	None	0	5/11/2011		5/11/2011				- Rplcd was SWD041290	TRUE	TRUE	TRUE			SWD041290		Daughter
2823	SWD041333	SSG	EMPLACED_CNTR	10/14/2012 10:30	5/11/2011 18:44	mccabed	SR-SWMF-HET-A	S5400		0	11/23/2004	5/10/2011	11/23/2004	5/10/2011			- Rplcd into SWD041333A	TRUE	TRUE	TRUE					
2824	SWD041333A	SSG			5/11/2011 18:44	mccabed	SR-SWMF-HET-A	S5400		0	5/10/2011		5/10/2011				- Rplcd was SWD041333	TRUE	TRUE	TRUE			SWD041333		Daughter
2825	SWD041340	SSG	EMPLACED_CNTR	11/13/2009 13:13	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	9/14/2004	4/1/2008	9/14/2004	4/1/2008	3/9/2005										
2826	SWD041342	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/7/2004		10/7/2004		10/19/2004										
2827	SWD041345	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/22/2004		10/22/2004		11/8/2004										
2828	SWD041357	SSG	EMPLACED_CNTR	7/10/2012 10:45	4/24/2012 20:55	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	11/12/2006	4/17/2012	11/12/2006	4/17/2012				TRUE	TRUE	TRUE					
2829	SWD041360	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/6/2004		10/6/2004		10/23/2004										
2830	SWD041361	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/3/2004		10/3/2004		10/20/2004										
2831	SWD041363	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	10/12/2004	4/1/2008	10/12/2004	4/1/2008	4/6/2005										
2832	SWD041364	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/12/2004		10/12/2004		10/29/2004										
2833	SWD041370	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/17/2004		10/17/2004		11/3/2004										
2834	SWD041376	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/22/2004	3/28/2008	11/22/2004	3/28/2008	5/17/2005										
2835	SWD041378	SWB	APPROVED_CERT		1/11/2012 13:11	mccabed	SR-SWMF-HET-A	S5400	Vent		10/21/2004		10/21/2004	1/10/2012				TRUE	FALSE	TRUE					
2836	SWD041380	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/14/2004	4/8/2008	11/14/2004	4/8/2008	5/9/2005										
2837	SWD041380A	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	4/8/2008		4/8/2008		10/1/2008										
2838	SWD041386	SSG	EMPLACED_CNTR	7/10/2012 10:45	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			8/24/2006		8/24/2006					TRUE	FALSE	TRUE					
2839	SWD041390	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	11/17/2004		11/17/2004		12/4/2004										
2840	SWD041391	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	6/9/2005		6/9/2005		6/16/2005										
2841	SWD041397	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400			7/5/2006		7/5/2006		12/29/2006										
2842	SWD051032	SWB	EMPLACED_CNTR	12/1/2011	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			4/6/2005		4/6/2005					TRUE	FALSE	TRUE					
2843	SWD051046	SSG	EMPLACED_CNTR	3/28/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/12/2006	4/5/2008	11/12/2006	4/5/2008	5/7/2007										
2844	SWD051047	SSG	EMPLACED_CNTR	4/29/2012 9:15	1/13/2012 17:39	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	11/12/2006	1/13/2012	11/12/2006	1/13/2012				TRUE	TRUE	TRUE					
2845	SWD051049	SSG			4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	4/1/2004		4/1/2004		9/24/2004			TRUE	TRUE	TRUE					
2846	SWD051050	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	8/8/2005	4/2/2008	8/8/2005	4/2/2008	1/31/2006										
2847	SWD051051	SSG	EMPLACED_CNTR	9/27/2012 10:33	7/5/2012 11:27	mccabed	SR-SWMF-HET-A	S5400		0	1/30/2006	5/14/2012	1/30/2006	5/14/2012			- Rplcd into SWD051051A	TRUE	TRUE	TRUE					
2848	SWD051051A	SSG	EMPLACED_CNTR	9/27/2012 10:33	7/5/2012 11:27	mccabed	SR-SWMF-HET-A	S5400		0	5/14/2012		5/14/2012				- Rplcd was SWD051051	TRUE	TRUE	TRUE			SWD051051		Daughter
2849	SWD051052	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	V&P Vent	0	8/16/2005	8/16/2005	8/16/2005	11/8/2007	2/8/2006										
2850	SWD051058	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	8/29/2005	4/5/2008	8/29/2005	4/5/2008	2/11/2006										
2851	SWD051061	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/3/2005		10/3/2005		10/26/2005										
2852	SWD051071	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	1/30/2006	4/7/2008	1/30/2006	4/7/2008	7/25/2006										
2853	SWD051072	SSG	EMPLACED_CNTR	10/30/2011 13:05	5/12/2011 18:37	mccabed	SR-SWMF-HET-A	S5400		0	6/23/2005	5/6/2011	6/23/2005	5/6/2011			- Rplcd into SWD051072A	TRUE	TRUE	TRUE					
2854	SWD051072A	SSG			5/12/2011 18:37	mccabed	SR-SWMF-HET-A	S5400		0	5/6/2011		5/6/2011				- Rplcd was SWD051072	TRUE	TRUE	TRUE			SWD051072		Daughter
2855	SWD051073	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	8/23/2005		8/23/2005		9/9/2005										
2856	SWD051076	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/12/2011 18:32	mccabed	SR-SWMF-HET-A	S5400		0	3/19/2006	5/4/2011	3/19/2006	5/4/2011			- Rplcd into SWD051076A	TRUE	TRUE	TRUE					
2857	SWD051076A	SSG			5/12/2011 18:32	mccabed	SR-SWMF-HET-A	S5400		0	5/4/2011		5/4/2011				- Rplcd was SWD051076	TRUE	TRUE	TRUE			SWD051076		Daughter
2858	SWD051077	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/12/2011 18:38	mccabed	SR-SWMF-HET-A	S5400		0	6/19/2005	5/6/2011	6/19/2005	5/6/2011			- Rplcd into SWD051077A	TRUE	TRUE	TRUE					
2859	SWD051077A	SSG			5/12/2011 18:38	mccabed	SR-SWMF-HET-A	S5400		0	5/6/2011		5/6/2011				- Rplcd was SWD051077	TRUE	TRUE	TRUE			SWD051077		Daughter
2860	SWD051078	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/12/2006	4/7/2008	11/12/2006	4/7/2008	5/7/2007										
2861	SWD051079	SSG	EMPLACED_CNTR	7/3/2012 14:12	1/27/2012 17:10	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	1/30/2006	1/19/2012	1/30/2006	1/19/2012			- Rplcd into SWD051079A	TRUE	TRUE	TRUE					
2862	SWD051082	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	3/27/2006	4/7/2008	3/27/2006	4/7/2008	9/19/2006										
2863	SWD051127	SSG	EMPLACED_CNTR	1/28/2010 22:40	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	8/16/2005		8/16/2005		9/2/2005										
2864	SWD051168	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	9/29/2005	4/3/2008	9/29/2005	4/3/2008	3/24/2006										
2865	SWD051169	SSG	EMPLACED_CNTR	10/18/2010 19:05	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	10/6/2005	3/28/2008	10/6/2005	3/28/2008	3/31/2006										
2866	SWD051171	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	10/9/2005		10/9/2005		4/3/2006										
2867	SWD051284	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	11/13/2005		11/13/2005		11/30/2005										
2868	SWD051298	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	11/3/2005		11/3/2005		11/20/2005										
2869	SWD051300	SSG	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	V&P Vent	0	5/22/2006	5/22/2006	5/22/2006	11/23/2007	11/14/2006										
2870	SWD051301	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/17/2011 17:22	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	7/4/2005	5/11/2011	7/4/2005	5/11/2011			- Rplcd into SWD051301A	TRUE	TRUE	TRUE					
2871	SWD051301A	SSG			5/17/2011 17:22	mccabed	SR-SWMF-HET-A	S5400	None	0	5/11/2011		5/11/2011				- Rplcd was SWD051301	TRUE	TRUE	TRUE			SWD051301		Daughter
2872	SWD051334	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	11/5/2005		11/5/2005		11/22/2005										
2873	SWD051360	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/4/2005	3/28/2008	11/4/2005	3/28/2008	4/25/2006										
2874	SWD051361	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	1/5/2006		1/5/2006		1/22/2006										
2875	SWD051371	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	11/13/2005		11/13/2005		5/9/2006										
2876	SWD061018	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	2/28/2006		2/28/2006		3/17/2006										
2877	SWD061021	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	9/11/2000		9/11/2000		3/6/2001										
2878	SWD061028	SSG	EMPLACED_CNTR	7/11/2008	4/24/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	7/6/2006		7/6/2006		7/23/2006										
2879	SWD061029	SSG	EMPLACED_CNTR	7/10/2012 10:48	5/8/2012 14:10	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	2/21/2007	4/11/2012	2/21/2007	4/11/2012		221-F-55037 Remediation of Tru drums containing aerosol cans and commercially pressurized containers.		TRUE	TRUE	TRUE					
2880	SWD061030	SSG	EMPLACED_CNTR	7/10/2012 10:45	5/8/2012 14:15	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	9/19/2007	4/12/2012	9/19/2007	4/12/2012		221-F-55037 Remediation of Tru drums containing aerosol cans and commercially pressurized containers.	- Rplcd into SWD061030A	TRUE	TRUE	TRUE					
2881	SWD061030C	SSG	EMPLACED_CNTR	11/14/2012 14:37	7/16/2012 10:45	mccabed	SR-SWMF-HET-A	S5400			9/19/2007	6/28/2012	9/19/2007	6/28/2012		221-F-55006 Tru Drum Repackaging		TRUE	FALSE	FALSE					
2882	SWD061030D	SSG	EMPLACED_CNTR	10/14/2012 10:30	7/12/2012 13:53	mccabed	SR-SWMF-HET-A	S5400			9/19/2007	7/2/2012	9/19/2007	7/2/2012		221-F-55037 Remediation of TRU Drums.		TRUE	FALSE	FALSE					
2883	SWD061031	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	4/8/2006		4/8/2006		4/25/2006										
2884	SWD061032	SSG	EMPLACED_CNTR	7/10/2012 10:45	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	1/7/2008		1/7/2008		7/1/2008			TRUE	TRUE	TRUE					
2885	SWD061035	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/18/2011 20:45	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	10/3/2006	5/12/2011	10/3/2006	5/12/2011			- Rplcd into SWD061035A	TRUE	TRUE	TRUE					
2886	SWD061035A	SSG			5/18/2011 20:45	mccabed	SR-SWMF-HET-A	S5400	None	0	5/12/2011		5/12/2011				- Rplcd was SWD061035	TRUE	TRUE	TRUE			SWD061035		Daughter
2887	SWD061036	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/17/2011 17:18	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	11/12/2006	5/11/2011	11/12/2006	5/11/2011			- Rplcd into SWD061036A	TRUE	TRUE	TRUE					
2888	SWD061036A	SSG			5/17/2011 17:18	mccabed	SR-SWMF-HET-A	S5400	None	0	5/11/2011		5/11/2011				- Rplcd was SWD061036	TRUE	TRUE	TRUE			SWD061036		Daughter
2889	SWD061053	SSG			4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	6/14/2004		6/14/2004		12/7/2004			TRUE	TRUE	TRUE					
2890	SWD061054	SSG			8/16/2011 13:22	mccabed	SR-SWMF-HET-A	S5400			4/21/2008		4/21/2008					TRUE	FALSE	TRUE					
2891	SWD061055	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400			9/17/2006		9/17/2006		3/13/2007										
2892	SWD061056	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400			7/5/2006		7/5/2006		12/29/2006										
2893	SWD061061	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400		0	8/27/2006		8/27/2006		9/13/2006										
2894	SWD081079	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/18/2011 20:47	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	1/13/2007	5/12/2011	1/13/2007	5/12/2011			- Rplcd into SWD061079A	TRUE	TRUE	TRUE					
2895	SWD061079A	SSG			5/18/2011 20:47	mccabed	SR-SWMF-HET-A	S5400	None	0	5/12/2011		5/12/2011				- Rplcd was SWD061079	TRUE	TRUE	TRUE			SWD081079		Daughter
2896	SWD061184	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WMS_Updt	SR-SWMF-HET-A	S5400	V&P Vent	0	10/3/2006	10/3/2006	10/3/2006	11/19/2007	3/28/2007										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2897	SWD061189	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	6/1/2006		6/1/2006		6/18/2006										
2898	SWD061292	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	5/30/2006	4/8/2008	5/30/2006	4/8/2008	11/22/2006										
2899	SWD061292A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	4/8/2008		4/8/2008		10/1/2008										
2900	SWD061331	SSG	EMPLACED_CNTR	12/11/2011 13:26	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			4/9/2007		4/9/2007					TRUE	FALSE	TRUE					
2901	SWD061337	SSG	APPROVED_CERT		9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			4/9/2007		4/9/2007					TRUE	FALSE	TRUE					
2902	SWD061368	SSG	EMPLACED_CNTR	5/30/2012 13:45	3/22/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			5/23/2006	3/16/2012	5/23/2006	3/16/2012		Tru drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
2903	SWD061372	SSG			3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			5/24/2006		5/24/2006					TRUE	FALSE	TRUE					
2904	SWD061383	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	6/22/2006		6/22/2006		7/9/2006										
2905	SWD061395	SSG			3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			6/11/2006		6/11/2006					TRUE	FALSE	TRUE					
2906	SWD061420	SSG	EMPLACED_CNTR	10/18/2010 19:05	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	1/17/2007	6/23/2008	1/17/2007	6/23/2008	7/12/2007										
2907	SWD061442	SWB	EMPLACED_CNTR	4/12/2012 15:08	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			9/12/2006		9/12/2006					TRUE	FALSE	TRUE					
2908	SWD061457	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	7/25/2006		7/25/2006		8/11/2006										
2909	SWD061469	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	7/18/2006		7/18/2006		8/4/2006										
2910	SWD061495	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			10/30/2006		10/30/2006		4/25/2007										
2911	SWD061536	SSG			4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	9/5/2006		9/5/2006		2/28/2007			TRUE	TRUE	TRUE					
2912	SWD061583	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	8/22/2006		8/22/2006		9/8/2006										
2913	SWD061629	SWB	EMPLACED_CNTR	4/20/2013 15:02	1/12/2012 16:46	mccabed	SR-SWMF-HET-A	S5400	Vent		9/6/2006		9/6/2006	1/11/2012				TRUE	FALSE	TRUE					
2914	SWD061630	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	9/1/2006		9/1/2006		9/18/2006										
2915	SWD061653	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	9/7/2006		9/7/2006		9/24/2006										
2916	SWD061655	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/28/2006		9/28/2006		10/15/2006										
2917	SWD061660	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			10/30/2006		10/30/2006		4/25/2007										
2918	SWD061696	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/12/2006		12/12/2006		6/6/2007										
2919	SWD061697	SSG	EMPLACED_CNTR	9/4/2012 10:53	5/11/2011 18:34	mccabed	SR-SWMF-HET-A	S5400		0	9/30/2008	5/5/2011	9/30/2008	5/5/2011			Rpkgd into SWD061697A	TRUE	TRUE	TRUE					
2920	SWD061697A	SSG			5/12/2011 18:34	mccabed	SR-SWMF-HET-A	S5400		0	5/5/2011		5/5/2011				Rpkgd was SWD061697	TRUE	TRUE	TRUE			SWD061697		Daughter
2921	SWD061716	SSG	EMPLACED_CNTR	5/30/2012 13:43	4/3/2012 17:04	mccabed	SR-SWMF-HET-A	S5400			12/7/2006	3/26/2012	12/7/2006	3/26/2012		PCB Bulk Product Waste - Leachable		TRUE	FALSE	TRUE	Yes	4/7/2008			
2922	SWD061728	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/12/2006		12/12/2006		6/5/2007										
2923	SWD061729	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/13/2006		12/13/2006		12/29/2006										
2924	SWD061768	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/12/2006		12/12/2006		6/6/2007										
2925	SWD061785	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400	Remediate	1	11/9/2006	3/24/2008	11/9/2006	3/24/2008	5/4/2007										
2926	SWD061788	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/12/2006		12/12/2006		12/29/2006										
2927	SWD061791	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			2/9/2007		2/9/2007		2/26/2007										
2928	SWD061807	SSG			3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			11/17/2006		11/17/2006					TRUE	FALSE	TRUE					
2929	SWD061809	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			1/9/2007		1/9/2007		7/5/2007										
2930	SWD061810	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/12/2006		12/12/2006		6/6/2007										
2931	SWD061814	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/12/2006		12/12/2006		12/29/2006										
2932	SWD061837	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			11/29/2006		11/29/2006		5/25/2007										
2933	SWD061838	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/5/2006		12/5/2006		5/31/2007										
2934	SWD061855	SSG	EMPLACED_CNTR	11/21/2008 10:17	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			10/15/2007		10/15/2007		11/1/2007										
2935	SWD061856	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/12/2006		12/12/2006		12/29/2006										
2936	SWD061857	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			11/9/2006		11/9/2006		11/26/2006										
2937	SWD061858	SSG	EMPLACED_CNTR	10/18/2010 19:05	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/1/2006		12/1/2006		12/18/2006										
2938	SWD061890	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/21/2006		12/21/2006		6/15/2007										
2939	SWD061873	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/6/2006		12/6/2006		12/23/2006										
2940	SWD061889	SSG			5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			9/30/2008		9/30/2008					TRUE	FALSE	FALSE					
2941	SWD061910	SSG	EMPLACED_CNTR	9/27/2012 10:33	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			12/19/2006		12/19/2006					TRUE	FALSE	TRUE					
2942	SWD061917	SSG	EMPLACED_CNTR	11/12/2008 13:12	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/21/2006		12/21/2006		6/16/2007										
2943	SWD061928	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/21/2006		12/21/2006		6/16/2007										
2944	SWD061929	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			12/21/2006		12/21/2006		6/16/2007										
2945	SWD061957	SSG	EMPLACED_CNTR	11/21/2009 10:17	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	1/19/2007		1/19/2007		7/14/2007										
2946	SWD061964	SSG	EMPLACED_CNTR	1/11/2010 18:15	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	12/18/2007		12/18/2007		6/11/2008										
2947	SWD061971	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			1/3/2007		1/3/2007		6/29/2007										
2948	SWD071015	SSG	EMPLACED_CNTR	12/4/2011 13:12	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	S5400			9/30/2008		9/30/2008					TRUE	FALSE	TRUE					
2949	SWD071043	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2950	SWD071060	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2951	SWD071065	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			2/1/2007		2/1/2007		7/28/2007										
2952	SWD071087	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			2/12/2007		2/12/2007		3/13/2007										
2953	SWD071088	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			2/23/2007		2/23/2007		3/12/2007										
2954	SWD071131	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/15/2007										
2955	SWD071132	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2956	SWD071145	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			3/6/2007		3/6/2007		8/30/2007										
2957	SWD071155	SSG	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	9/30/2008		9/30/2008		3/25/2009			TRUE	TRUE	TRUE					
2958	SWD071222	SSG	EMPLACED_CNTR	1/26/2010 22:40	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2959	SWD071303	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			10/15/2007		10/15/2007		11/1/2007										
2960	SWD071304	SSG	EMPLACED_CNTR	10/17/2011 19:48	5/12/2011 17:53	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	9/30/2008	5/6/2011	9/30/2008	5/6/2011			Rpkgd into SWD071304A	TRUE	TRUE	TRUE					
2961	SWD071304A	SSG			5/12/2011 17:53	mccabed	SR-SWMF-HET-A	S5400	None	0	5/6/2011		5/6/2011				Rpkgd was SWD071304	TRUE	TRUE	TRUE			SWD071304		Daughter
2962	SWD071305	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2963	SWD071310	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/1/2007		5/1/2007		5/18/2007										
2964	SWD071322	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			7/18/2007		7/18/2007		8/4/2007										
2965	SWD071323	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/18/2007		9/18/2007		10/5/2007										
2966	SWD071329	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			5/30/2007		5/30/2007		6/16/2007										
2967	SWD071364	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			6/7/2007		6/7/2007		12/1/2007										
2968	SWD071370	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/18/2007		9/18/2007		10/5/2007										
2969	SWD071378	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			7/18/2007		7/18/2007		8/4/2007										
2970	SWD071387	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			8/28/2007		8/28/2007		9/14/2007										
2971	SWD071383	SSG	EMPLACED_CNTR	5/24/2012 10:34	5/9/2012 17:15	mccabed	SR-SWMF-HET-A	S5400	Remediation	0	6/18/2007	1/18/2012	6/18/2007	1/18/2012			Rpkgd into SWD071383A	TRUE	TRUE	TRUE					
2972	SWD071388	SSG			3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			6/20/2007		6/20/2007					TRUE	FALSE	TRUE					
2973	SWD071390	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/18/2007		9/18/2007		10/5/2007										
2974	SWD071397	SSG	EMPLACED_CNTR	8/26/2010 19:52	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		0	10/15/2007		10/15/2007		4/8/2008										
2975	SWD071475	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/18/2007		9/18/2007		10/5/2007										
2976	SWD071486	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/12/2011 18:39	mccabed	SR-SWMF-HET-A	S5400		0	12/18/2007	5/9/2011	12/18/2007	5/9/2011			Rpkgd into SWD071486A	TRUE	TRUE	TRUE					
2977	SWD071486A	SSG			5/12/2011 18:39	mccabed	SR-SWMF-HET-A	S5400		0	5/9/2011		5/9/2011				Rpkgd was SWD071486	TRUE	TRUE	TRUE			SWD071486		Daughter
2978	SWD071532	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			10/18/2007		10/18/2007		11/4/2007										
2979	SWD071553	SSG	EMPLACED_CNTR	6/4/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400		1	8/8/2007		8/8/2007		1/31/2008										
2980	SWD071568	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/13/2007		9/13/2007		9/30/2007										
2981	SWD071569	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			8/20/2007		8/20/2007		9/6/2007										
2982	SWD071579	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			8/27/2007		8/27/2007		2/29/2008										
2983	SWD071581	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			8/27/2007		8/27/2007		9/13/2007										
2984	SWD071605	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	S5400			9/17/2007		9/17/2007		10/4/2007										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2985	SWD071606	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			9/8/2007		9/8/2007		9/25/2007			TRUE	TRUE	TRUE					
2986	SWD071611	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
2987	SWD071647	SSG	EMPLACED_CNTR	1/11/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	10/11/2007		10/11/2007		4/4/2008										
2988	SWD071654	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			9/25/2007		9/25/2007		10/12/2007										
2989	SWD071660	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			10/25/2007		10/25/2007		11/11/2007										
2990	SWD071661	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			10/30/2007		10/30/2007		11/16/2007										
2991	SWD071662	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			11/10/2007		11/10/2007		11/27/2007										
2992	SWD071691	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	2/21/2008		2/21/2008		8/15/2006										
2993	SWD071714	SSG	EMPLACED_CNTR	1/25/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/28/2008		1/28/2008		7/22/2008										
2994	SWD071727	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	11/17/2007		11/17/2007		5/11/2008										
2995	SWD071750	SSG	EMPLACED_CNTR	11/14/2012 14:37	7/12/2012 13:55	mccabed	SR-SWMF-HET-A	SS400		0	9/30/2008	7/9/2012	9/30/2008	7/9/2012		221-F-55037 Remediation of TRU Drums.	- Rpkgd into SWD071750A	TRUE	TRUE	TRUE					
2996	SWD071750A	SSG			7/12/2012 13:55	mccabed	SR-SWMF-HET-A	SS400		0	7/9/2012		7/9/2012			221-F-55037 Remediation of TRU Drums.	- Rpkgd was SWD071750	TRUE	TRUE	TRUE			SWD071750		Daughter
2997	SWD071751	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	11/17/2007		11/17/2007		5/11/2008										
2998	SWD071778	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/1/2007		12/1/2007		5/25/2008										
2999	SWD071785	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/3/2007		12/3/2007		5/27/2008										
3000	SWD071792	SSG	EMPLACED_CNTR	8/28/2011 9:17	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/1/2007		12/1/2007		5/25/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
3001	SWD071793	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/3/2007		12/3/2007		5/27/2008										
3002	SWD071799	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/6/2007		12/6/2007		5/30/2008										
3003	SWD071803	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/3/2008		1/3/2008		6/27/2008										
3004	SWD071804	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/9/2008		1/9/2008		7/3/2008										
3005	SWD071805	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/12/2006		1/12/2006		7/6/2006										
3006	SWD071806	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			2/9/2006		2/9/2006		2/26/2006										
3007	SWD071807	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/18/2007		12/18/2007		6/11/2008										
3008	SWD071808	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			2/14/2008		2/14/2008		3/2/2008										
3009	SWD071810	SSG	EMPLACED_CNTR	1/25/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	2/7/2008		2/7/2008		8/1/2008										
3010	SWD071811	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/17/2008		1/17/2008		7/11/2008										
3011	SWD071812	SSG	EMPLACED_CNTR	11/21/2008 10:27	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	2/11/2008		2/11/2008		8/5/2008										
3012	SWD071813	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	2/12/2008		2/12/2008		8/6/2008										
3013	SWD071815	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/15/2007		12/15/2007		6/8/2008										
3014	SWD071817	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	12/19/2007		12/19/2007		6/12/2008										
3015	SWD071821	SSG	EMPLACED_CNTR	11/18/2012 12:53	5/6/2012 9:22	mccabed	SR-SWMF-HET-A	SS400		1	2/21/2008		2/21/2008			EXCLUDE from AK Spreadsheet Jun 25 2009 > 50% homogenous waste per NCR-SRS-0627-09; added back to SR-SWMF-HET-A per MFapp email 050312		TRUE	TRUE	TRUE					
3016	SWD071834	SSG	EMPLACED_CNTR	1/25/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/4/2008		1/4/2008		6/28/2008										
3017	SWD071835	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	1/5/2008		1/5/2008		6/29/2008										
3018	SWD071860	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			1/22/2008		1/22/2008		2/8/2008										
3019	SWD081031	SSG	EMPLACED_CNTR	1/10/2012 12:48	5/12/2011 18:40	mccabed	SR-SWMF-HET-A	SS400		0	4/26/2008	5/10/2011	4/26/2008	5/10/2011			- Rpkgd into SWD081031A	TRUE	TRUE	TRUE					
3020	SWD081031A	SSG			5/12/2011 18:40	mccabed	SR-SWMF-HET-A	SS400		0	5/10/2011		5/10/2011				- Rpkgd was SWD081031	TRUE	TRUE	TRUE			SWD081031		Daughter
3021	SWD081036	SSG	EMPLACED_CNTR	11/21/2008 10:27	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	3/18/2008		3/18/2008		9/10/2008										
3022	SWD081115	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			2/21/2008		2/21/2008		3/9/2008										
3023	SWD081122	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	2/19/2008		2/19/2008		8/13/2008										
3024	SWD081133	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			2/28/2008		2/28/2008		3/16/2008										
3025	SWD081149	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			3/6/2008		3/6/2008		3/23/2008										
3026	SWD081150	SSG	EMPLACED_CNTR	1/10/2012 12:48	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/10/2009		4/10/2009		10/3/2009			TRUE	TRUE	TRUE					
3027	SWD081173	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			3/7/2008		3/7/2008		3/24/2008										
3028	SWD081174	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400			3/7/2008		3/7/2008		3/24/2008										
3029	SWD081193	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	3/13/2008		3/13/2008		9/5/2008										
3030	SWD081203	SSG	EMPLACED_CNTR	1/25/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	3/28/2008		3/28/2008		9/20/2008										
3031	SWD081204	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/9/2008		4/9/2008		10/2/2008										
3032	SWD081205	SSG	EMPLACED_CNTR	11/11/2011 10:33	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	SS400			4/17/2008		4/17/2008					TRUE	FALSE	TRUE					
3033	SWD081241	SWB	EMPLACED_CNTR	3/15/2012 15:33	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	SS400			8/7/2008		8/7/2008					TRUE	FALSE	TRUE					
3034	SWD081242	SWB	EMPLACED_CNTR	12/1/2011	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	SS400			8/7/2008		8/7/2008					TRUE	FALSE	TRUE					
3035	SWD081261	SSG	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/3/2008		4/3/2008		9/28/2008										
3036	SWD081262	SWB	EMPLACED_CNTR	3/15/2012 15:33	9/13/2011 16:05	mccabed	SR-SWMF-HET-A	SS400			10/2/2008		10/2/2008					TRUE	FALSE	TRUE					
3037	SWD081263	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/12/2011 18:35	mccabed	SR-SWMF-HET-A	SS400		0	4/14/2008	5/5/2011	4/14/2008	5/5/2011			- Rpkgd into SWD081263A	TRUE	TRUE	TRUE					
3038	SWD081263A	SSG			5/12/2011 18:35	mccabed	SR-SWMF-HET-A	SS400		0	5/5/2011		5/5/2011				- Rpkgd was SWD081263	TRUE	TRUE	TRUE			SWD081263		Daughter
3039	SWD081280	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/18/2008		4/18/2008		10/11/2008										
3040	SWD081292	SSG	EMPLACED_CNTR	10/27/2011 19:46	5/12/2011 18:42	mccabed	SR-SWMF-HET-A	SS400		0	4/15/2008	5/10/2011	4/15/2008	5/10/2011			- Rpkgd into SWD081292A	TRUE	TRUE	TRUE					
3041	SWD081292A	SSG			5/12/2011 18:42	mccabed	SR-SWMF-HET-A	SS400		0	5/10/2011		5/10/2011				- Rpkgd was SWD081292	TRUE	TRUE	TRUE			SWD081292		Daughter
3042	SWD081305	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/17/2008		4/17/2008		10/10/2008										
3043	SWD081314	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/21/2008		4/21/2008		10/14/2008										
3044	SWD081320	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/23/2008		4/23/2008		10/16/2008										
3045	SWD081322	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	5/6/2008		5/6/2008		10/29/2008										
3046	SWD081333	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/29/2008		4/29/2008		10/22/2008										
3047	SWD081334	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/28/2008		4/28/2008		10/21/2008										
3048	SWD081335	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/28/2008		4/28/2008		10/21/2008										
3049	SWD081336	SWB	EMPLACED_CNTR	10/18/2011 22:16	8/16/2011 13:22	mccabed	SR-SWMF-HET-A	SS400			5/1/2008		5/1/2008					TRUE	FALSE	TRUE					
3050	SWD081339	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/29/2008		4/29/2008		10/22/2008										
3051	SWD081340	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	4/29/2008		4/29/2008		10/22/2008										
3052	SWD081342	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	5/6/2008		5/6/2008		10/29/2008										
3053	SWD081344	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	5/13/2008		5/13/2008		11/5/2008										
3054	SWD081345	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3055	SWD081349	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	6/2/2008		6/2/2008		11/25/2008										
3056	SWD081350	SSG	EMPLACED_CNTR	10/30/2011 13:35	5/12/2011 18:43	mccabed	SR-SWMF-HET-A	SS400		0	9/30/2009	5/10/2011	9/30/2009	5/10/2011			- Rpkgd into SWD081350A	TRUE	TRUE	TRUE					
3057	SWD081350A	SSG			5/12/2011 18:43	mccabed	SR-SWMF-HET-A	SS400		0	5/10/2011		5/10/2011				- Rpkgd was SWD081350	TRUE	TRUE	TRUE			SWD081350		Daughter
3058	SWD081363	SSG	EMPLACED_CNTR	8/28/2011 9:17	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	6/10/2008		6/10/2008		12/3/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
3059	SWD081364	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3060	SWD081369	SSG	EMPLACED_CNTR	1/21/2010 18:55	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	6/19/2008		6/19/2008		12/12/2008										
3061	SWD081370	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3062	SWD081371	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3063	SWD081377	SSG	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3064	SWD081378	SSG	EMPLACED_CNTR	2/1/2010 21:53	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3065	SWD081380	SSG	EMPLACED_CNTR	11/21/2009 10:27	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3066	SWD081381	SSG	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009										
3067	SWD081389	SSG	EMPLACED_CNTR	9/22/2012 14:59	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400		0	9/30/2008		9/30/2008		3/25/2009			TRUE	TRUE	TRUE					
3068	SWD081394	SSG	EMPLACED_CNTR	8/28/2011 9:17	4/28/2011 6:00	WWIS_Updt	SR-SWMF-HET-A	SS400	Remediate	0	9/30/2008	3/31/2010	9/30/2008	3/31/2010	3/25/2009			TRUE	TRUE	TRUE					
3069	SWD081394A	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-SWMF-HET-A	SS400		0	3/31/2010		3/31/2010		9/23/2010										
3070	SWD081395	SSG	EMPLACED_CNTR	9/27/2012 10:33	4/3/2012 17:05	mccabed	SR-SWMF-HET-A	SS400		0	9/30/2008	3/22/2012	9/30/2008	3/22/2012				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3071	SWD081396	55G	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	10/20/2008		10/20/2008		4/14/2009										
3072	SWD081398	55G	EMPLACED_CNTR	9/19/2010 9:39	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	9/30/2008		9/30/2008		3/25/2009										
3073	SWD081399	55G	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	9/30/2008		9/30/2008		3/25/2009										
3074	SWD081400	55G	EMPLACED_CNTR	1/17/2010 13:52	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	10/20/2008		10/20/2008		4/14/2009										
3075	SWD081405	55G	EMPLACED_CNTR	11/21/2009 10:27	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	10/27/2008		10/27/2008		4/21/2009										
3076	SWD081406	55G	EMPLACED_CNTR	10/30/2011 13:35	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	10/21/2008		10/21/2008		4/15/2009			TRUE	TRUE	TRUE					
3077	SWD081407	55G	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	10/29/2008		10/29/2008		4/23/2009			TRUE	TRUE	TRUE					
3078	SWD081408	55G	EMPLACED_CNTR	11/4/2012 12:45	4/28/2011 6:00	WWIS_Updt	SR-SWMF-NET-A	S5400		0	11/3/2008		11/3/2008		4/28/2009			TRUE	FALSE	TRUE					
3079	SWD091017	SWB	EMPLACED_CNTR	12/3/2011 9:13	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			5/19/2009		5/19/2009					TRUE	FALSE	TRUE					
3080	SWD091021	SWB	EMPLACED_CNTR	10/26/2011 19:57	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3081	SWD091022	SWB	EMPLACED_CNTR	3/16/2012 15:25	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3082	SWD091023	SWB	EMPLACED_CNTR	10/23/2011 12:44	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3083	SWD091024	SWB	EMPLACED_CNTR	5/23/2012 14:50	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3084	SWD091025	SWB	EMPLACED_CNTR	10/23/2011 12:44	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3085	SWD091026	SWB	EMPLACED_CNTR	4/12/2012 15:08	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3086	SWD091027	SWB	EMPLACED_CNTR	4/27/2012 15:14	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			8/7/2009		8/7/2009					TRUE	FALSE	TRUE					
3087	SWD091028	SWB	EMPLACED_CNTR	10/24/2012 9:48	6/26/2012 15:11	mccabed	SR-SWMF-NET-A	S5400			8/11/2009	6/29/2012	8/11/2009	6/20/2012		221-F-55078 Tru Waste Container Remediation	- Rplcgd into SWD091028B	TRUE	FALSE	TRUE					
3088	SWD091028A	SSG	EMPLACED_CNTR	5/30/2012 8:58	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
3089	SWD091028B	SSG	EMPLACED_CNTR	11/4/2012 12:45	7/18/2012 15:12	mccabed	SR-SWMF-NET-A	S5400			6/20/2012	7/16/2012	6/20/2012	7/16/2012		221-F-55006	- Rplcgd was SWD091028	TRUE	FALSE	TRUE			SWD091028		Daughter
3090	SWD091043	SSG	EMPLACED_CNTR	5/30/2012 9:05	4/3/2012 17:20	mccabed	SR-SWMF-NET-A	S5400			7/22/2010	3/27/2012	7/22/2010	3/27/2012				TRUE	FALSE	TRUE					
3091	SWD091044	SSG	EMPLACED_CNTR	5/30/2012 9:05	4/3/2012 17:21	mccabed	SR-SWMF-NET-A	S5400			7/26/2010	3/28/2012	7/26/2010	3/28/2012				TRUE	FALSE	TRUE					
3092	SWD091045	SSG	EMPLACED_CNTR	5/24/2012 10:34	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			7/26/2010		7/26/2010					TRUE	FALSE	TRUE					
3093	SWD091047	SSG	EMPLACED_CNTR	12/11/2011 10:32	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			10/1/2009		10/1/2009					TRUE	FALSE	TRUE					
3094	SWD091053	SSG	EMPLACED_CNTR	4/29/2012 9:14	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/18/2010		1/18/2010					TRUE	FALSE	TRUE					
3095	SWD091054	SSG	EMPLACED_CNTR	4/29/2012 9:15	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/18/2010		1/18/2010					TRUE	FALSE	TRUE					
3096	SWD091056	SSG	EMPLACED_CNTR	11/5/2011 22:36	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/18/2010		1/18/2010					TRUE	FALSE	TRUE					
3097	SWD091058	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/18/2010		1/18/2010					TRUE	FALSE	TRUE					
3098	SWD091059	SSG	EMPLACED_CNTR	3/4/2012 10:53	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/15/2010		1/15/2010					TRUE	FALSE	TRUE					
3099	SWD091066	SSG	EMPLACED_CNTR	11/2/2011 21:40	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/19/2010		1/19/2010					TRUE	FALSE	TRUE					
3100	SWD091070	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/19/2010		1/19/2010					TRUE	FALSE	TRUE					
3101	SWD091071	SSG	EMPLACED_CNTR	12/11/2011 10:33	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/16/2010		4/16/2010					TRUE	FALSE	TRUE					
3102	SWD091087	SSG	EMPLACED_CNTR	10/30/2011 9:38	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/16/2010		4/16/2010					TRUE	FALSE	TRUE					
3103	SWD091089	SSG	EMPLACED_CNTR	11/9/2011 22:35	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/15/2010		4/15/2010					TRUE	FALSE	TRUE					
3104	SWD091095	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/16/2010		4/16/2010					TRUE	FALSE	TRUE					
3105	SWD101007	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/16/2010		4/16/2010					TRUE	FALSE	TRUE					
3106	SWD101010	SSG	EMPLACED_CNTR	11/9/2011 22:36	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/15/2010		4/15/2010					TRUE	FALSE	TRUE					
3107	SWD101017	SWB	EMPLACED_CNTR	5/31/2012 13:16	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			1/28/2010		1/28/2010					TRUE	FALSE	TRUE					
3108	SWD101018	SWB	EMPLACED_CNTR	10/26/2011 19:57	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/28/2010		1/28/2010					TRUE	FALSE	TRUE					
3109	SWD101019	SWB	EMPLACED_CNTR	10/25/2012 15:30	5/15/2012 16:25	mccabed	SR-SWMF-NET-A	S5400			1/28/2010	5/12/2012	1/28/2010	5/12/2012		221-F-55078	- Rplcgd into SWD101019A	TRUE	FALSE	TRUE					
3110	SWD101020	SWB	EMPLACED_CNTR	4/11/2012 15:08	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/28/2010		1/28/2010					TRUE	FALSE	TRUE					
3111	SWD101021	SWB	APPROVED_CERT		8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/28/2010		1/28/2010					TRUE	FALSE	TRUE					
3112	SWD101022	SWB	EMPLACED_CNTR	10/23/2011 12:49	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			1/28/2010		1/28/2010					TRUE	FALSE	TRUE					
3113	SWD101025	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			4/15/2010		4/15/2010					TRUE	FALSE	TRUE					
3114	SWD101028	SSG	EMPLACED_CNTR	11/9/2011 22:59	8/16/2011 13:23	mccabed	SR-SWMF-NET-A	S5400			4/15/2010		4/15/2010					TRUE	FALSE	TRUE					
3115	SWD101071	SSG	EMPLACED_CNTR	5/30/2012 8:58	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			3/2/2010		3/2/2010					TRUE	FALSE	TRUE					
3116	SWD101089	SSG	EMPLACED_CNTR	5/30/2012 8:58	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			3/26/2010		3/26/2010					TRUE	FALSE	TRUE					
3117	SWD101090	SSG	EMPLACED_CNTR	12/7/2012 13:31	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			6/17/2010		6/17/2010					TRUE	FALSE	TRUE					
3118	SWD101091	SSG	EMPLACED_CNTR	1/10/2012 12:48	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			7/27/2010		7/27/2010					TRUE	FALSE	TRUE					
3119	SWD101155	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			6/18/2010		6/18/2010					TRUE	FALSE	TRUE					
3120	SWD101163	SSG	EMPLACED_CNTR	11/9/2011 22:35	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			7/27/2010		7/27/2010					TRUE	FALSE	TRUE					
3121	SWD101231	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			7/27/2010		7/27/2010					TRUE	FALSE	TRUE					
3122	SWD101233	SSG	EMPLACED_CNTR	11/9/2011 22:36	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			7/27/2010		7/27/2010					TRUE	FALSE	TRUE					
3123	SWD101272	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3124	SWD101274	SSG	EMPLACED_CNTR	10/30/2011 13:35	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3125	SWD101279	SSG	EMPLACED_CNTR	1/24/2012 10:35	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3126	SWD101286	SSG	EMPLACED_CNTR	12/11/2011 10:33	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3127	SWD10314	SSG	EMPLACED_CNTR	11/9/2011 22:35	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/29/2010		11/29/2010					TRUE	FALSE	TRUE					
3128	SWD10315	SSG	EMPLACED_CNTR	11/9/2011 22:59	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3129	SWD10346	SSG	EMPLACED_CNTR	4/4/2013 15:25	9/16/2012 17:20	mccabed	SR-SWMF-NET-A	S5400			3/1/2011		3/1/2011					TRUE	FALSE	TRUE					
3130	SWD10347	SSG	EMPLACED_CNTR	11/9/2011 22:59	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3131	SWD10371	SSG	EMPLACED_CNTR	1/10/2012 12:48	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3132	SWD10374	SSG	EMPLACED_CNTR	12/11/2011 10:33	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			11/8/2010		11/8/2010					TRUE	FALSE	TRUE					
3133	SWD10375	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/1/2011		2/1/2011					TRUE	FALSE	TRUE					
3134	SWD10391	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/1/2011		2/1/2011					TRUE	FALSE	TRUE					
3135	SWD10398	SSG	EMPLACED_CNTR	2/18/2012 9:41	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/1/2011		2/1/2011					TRUE	FALSE	TRUE					
3136	SWD10410	SSG	EMPLACED_CNTR	10/27/2011 19:46	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/1/2011		2/1/2011					TRUE	FALSE	TRUE					
3137	SWD10413	SSG	EMPLACED_CNTR	5/11/2012 14:42	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/1/2011		2/1/2011					TRUE	FALSE	TRUE					
3138	SWD11003	SSG	EMPLACED_CNTR	12/11/2011 13:26	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/24/2011		2/24/2011					TRUE	FALSE	TRUE					
3139	SWD11004	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/24/2011		2/24/2011					TRUE	FALSE	TRUE					
3140	SWD11016	SSG	EMPLACED_CNTR	9/17/2012 10:33	4/3/2012 17:21	mccabed	SR-SWMF-NET-A	S5400			2/23/2011	3/27/2012	2/23/2011	3/27/2012				TRUE	FALSE	TRUE					
3141	SWD11018	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/16/2011 13:22	mccabed	SR-SWMF-NET-A	S5400			2/23/2011		2/23/2011					TRUE	FALSE	TRUE					
3142	SWD11024	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			1/28/2011		1/28/2011					TRUE	FALSE	TRUE					
3143	SWD11030	SSG	EMPLACED_CNTR	10/9/2012 15:15	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			2/7/2011		2/7/2011					TRUE	FALSE	TRUE					
3144	SWD11039	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			1/28/2011		1/28/2011					TRUE	FALSE	TRUE					
3145	SWD11057	SSG	EMPLACED_CNTR	7/3/2012 14:12	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			3/8/2011		3/8/2011					TRUE	FALSE	TRUE					
3146	SWD11093	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			3/15/2011		3/15/2011					TRUE	FALSE	TRUE					
3147	SWD11102	SSG	APPROVED_CERT		3/20/2013 15:00	mccabed	SR-SWMF-NET-A	S5400			11/29/2012		11/29/2012			Added per CChancellor 031413.		TRUE	FALSE	TRUE	NA				
3148	SWD11117	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			3/29/2011		3/29/2011					TRUE	FALSE	TRUE					
3149	SWD11129	SSG	EMPLACED_CNTR	7/10/2012 10:48	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			4/14/2011		4/14/2011					TRUE	FALSE	TRUE					
3150	SWD11143	SSG	APPROVED_CERT		3/20/2013 15:02	mccabed	SR-SWMF-NET-A	S5400			11/29/2012		11/29/2012			Added per CChancellor 031413.		TRUE	FALSE	TRUE	NA				
3151	SWD11153	SSG	EMPLACED_CNTR	9/21/2012 13:59	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			4/14/2011		4/14/2011					TRUE	FALSE	TRUE					
3152	SWD11167	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/2/2011		5/2/2011					TRUE	FALSE	TRUE					
3153	SWD11170	SSG	EMPLACED_CNTR	10/9/2012 15:15	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/3/2011		5/3/2011					TRUE	FALSE	TRUE					
3154	SWD11173	SWB	EMPLACED_CNTR	6/24/2012 9:59	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3155	SWD11174	SWB	EMPLACED_CNTR	8/3/2012 14:00	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3156	SWD11177	SWB	EMPLACED_CNTR	6/16/2012 11:04	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3157	SWD11178	SWB	EMPLACED_CNTR	6/16/2012 10:20	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3158	SWD11179	SWB	EMPLACED_CNTR	6/16/2012 11:05	3/19/2012 9:17	mccabed	SR-SWMF-NET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3159	SWD11191	SWB	EMPLACED_CNTR	10/25/2012 15:30	1/11/2012 13:12	mccabed	SR-SWMF-HET-A	S5400	Vent		5/5/2011		5/5/2011	1/10/2012				TRUE	FALSE	TRUE					
3160	SWD11192	SWB	APPROVED_CERT		8/16/2011 13:22	mccabed	SR-SWMF-HET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3161	SWD11193	SWB	EMPLACED_CNTR	10/26/2011 22:05	8/16/2011 13:22	mccabed	SR-SWMF-HET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3162	SWD11194	SWB	EMPLACED_CNTR	11/2/2011 22:16	8/16/2011 13:22	mccabed	SR-SWMF-HET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3163	SWD11195	SWB	EMPLACED_CNTR	10/23/2011 12:49	8/16/2011 13:22	mccabed	SR-SWMF-HET-A	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
3164	SWD11196	SSG	EMPLACED_CNTR	7/10/2013 10:48	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			5/3/2011		5/3/2011					TRUE	FALSE	TRUE					
3165	SWD11198	SSG	EMPLACED_CNTR	12/7/2012 13:33	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			7/8/2011		7/8/2011					TRUE	FALSE	TRUE					
3166	SWD11199	SSG	APPROVED_CERT		3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			5/2/2011		5/2/2011					TRUE	FALSE	TRUE					
3167	SWD11208	SSG	EMPLACED_CNTR	7/10/2012 10:48	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			7/18/2011		7/18/2011					TRUE	FALSE	TRUE					
3168	SWD11222	SSG	EMPLACED_CNTR	4/26/2013 14:53	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			7/11/2011		7/11/2011					TRUE	FALSE	FALSE					
3169	SWD11225	SWB	EMPLACED_CNTR	6/10/2012 14:29	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			7/11/2011		7/11/2011					TRUE	FALSE	TRUE					
3170	SWD11226	SWB	EMPLACED_CNTR	6/16/2012 11:08	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			7/11/2011		7/11/2011					TRUE	FALSE	TRUE					
3171	SWD11227	SWB	EMPLACED_CNTR	6/13/2012 14:44	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			7/11/2011		7/11/2011					TRUE	FALSE	TRUE					
3172	SWD11228	SWB	EMPLACED_CNTR	6/16/2012 11:07	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			7/14/2011		7/14/2011					TRUE	FALSE	TRUE					
3173	SWD11229	SWB	EMPLACED_CNTR	6/16/2012 10:18	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			7/14/2011		7/14/2011					TRUE	FALSE	TRUE					
3174	SWD11251	SSG	EMPLACED_CNTR	12/19/2012 12:50	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			7/12/2011		7/12/2011					TRUE	FALSE	TRUE					
3175	SWD11263	SSG	EMPLACED_CNTR	12/7/2012 13:31	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			8/24/2011		8/24/2011					TRUE	FALSE	TRUE					
3176	SWD11266	SSG	EMPLACED_CNTR	10/9/2012 15:15	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			8/1/2011		8/1/2011					TRUE	FALSE	FALSE					
3177	SWD11295	SSG	EMPLACED_CNTR	10/9/2012 15:15	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			8/10/2011		8/10/2011					TRUE	FALSE	FALSE					
3178	SWD11310	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			12/5/2011		12/5/2011					TRUE	FALSE	FALSE					
3179	SWD11322	SSG	EMPLACED_CNTR	11/14/2012 14:37	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/24/2012		4/24/2012					TRUE	FALSE	TRUE					
3180	SWD11357	SSG	APPROVED_CERT		4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			9/13/2011		9/13/2011					TRUE	FALSE	TRUE					
3181	SWD11366	SWB	EMPLACED_CNTR	6/10/2012 10:39	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
3182	SWD11367	SWB	EMPLACED_CNTR	11/8/2012 12:46	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
3183	SWD11368	SWB	EMPLACED_CNTR	7/1/2012 14:14	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
3184	SWD11369	SWB	EMPLACED_CNTR	5/1/2013 15:16	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
3185	SWD11370	SWB	EMPLACED_CNTR	6/10/2012 14:29	3/19/2012 9:17	mccabed	SR-SWMF-HET-A	S5400			9/29/2011		9/29/2011					TRUE	FALSE	TRUE					
3186	SWD11378	SSG	EMPLACED_CNTR	1/17/2013 13:45	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/24/2012		4/24/2012					TRUE	FALSE	TRUE					
3187	SWD11385	SSG	EMPLACED_CNTR	7/3/2012 14:12	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			9/27/2011		9/27/2011					TRUE	FALSE	TRUE					
3188	SWD11392	SSG	EMPLACED_CNTR	10/9/2012 15:15	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			10/10/2011		10/10/2011					TRUE	FALSE	TRUE					
3189	SWD11401	SSG	EMPLACED_CNTR	5/30/2012 8:58	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
3190	SWD11432	SSG	EMPLACED_CNTR	7/10/2012 10:48	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			10/25/2011		10/25/2011					TRUE	FALSE	TRUE					
3191	SWD11433	SSG	EMPLACED_CNTR	5/30/2012 9:02	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/10/2011		11/10/2011					TRUE	FALSE	TRUE					
3192	SWD11439	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/11/2012 8:17	mccabed	SR-SWMF-HET-A	S5400			11/1/2011		11/1/2011					TRUE	FALSE	FALSE					
3193	SWD11440	SSG	EMPLACED_CNTR	4/26/2013 14:53	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/25/2012		4/25/2012					TRUE	FALSE	TRUE					
3194	SWD11450	SSG	EMPLACED_CNTR	6/1/2012 10:24	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/4/2011		11/4/2011					TRUE	FALSE	TRUE					
3195	SWD11458	SSG	EMPLACED_CNTR	5/30/2012 8:58	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
3196	SWD11459	SSG	EMPLACED_CNTR	6/1/2012 10:24	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/11/2011		11/11/2011					TRUE	FALSE	TRUE					
3197	SWD11468	SSG	EMPLACED_CNTR	9/27/2012 10:33	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
3198	SWD11469	SSG	EMPLACED_CNTR	6/1/2012 10:24	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			11/30/2011		11/30/2011					TRUE	FALSE	TRUE					
3199	SWD11471	SSG	APPROVED_CERT		4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			12/7/2011		12/7/2011					TRUE	FALSE	TRUE					
3200	SWD11520	SWB	EMPLACED_CNTR	10/24/2012 13:11	5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			12/27/2011		12/27/2011					TRUE	FALSE	TRUE					
3201	SWD11521	SSG	EMPLACED_CNTR	5/30/2012 8:58	4/18/2012 11:59	mccabed	SR-SWMF-HET-A	S5400			12/8/2011		12/8/2011					TRUE	FALSE	TRUE					
3202	SWD11523	SSG	EMPLACED_CNTR	7/10/2012 10:48	4/18/2012 11:58	mccabed	SR-SWMF-HET-A	S5400			1/3/2012		1/3/2012					TRUE	FALSE	TRUE					
3203	SWD11544	SSG	EMPLACED_CNTR	12/7/2012 13:31	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/4/2012		4/4/2012					TRUE	FALSE	TRUE					
3204	SWD12008	SWB	APPROVED_CERT		5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3205	SWD12009	SWB	EMPLACED_CNTR	10/31/2012 14:06	5/6/2012 10:18	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3206	SWD12010	SWB	EMPLACED_CNTR	4/20/2013 14:56	5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3207	SWD12013	SWB	EMPLACED_CNTR	10/12/2012 15:37	5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3208	SWD12018	SSG	APPROVED_CERT		7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			1/12/2012		1/12/2012					TRUE	FALSE	TRUE					
3209	SWD12021	SSG	EMPLACED_CNTR	9/27/2012 10:33	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			1/18/2012		1/18/2012					TRUE	FALSE	TRUE					
3210	SWD12024	SSG	EMPLACED_CNTR	10/9/2012 15:15	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			2/2/2012		2/2/2012					TRUE	FALSE	TRUE					
3211	SWD12042	SSG	EMPLACED_CNTR	10/9/2012 15:15	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			2/2/2012		2/2/2012					TRUE	FALSE	TRUE					
3212	SWD12043	SSG	EMPLACED_CNTR	10/9/2012 15:15	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			2/2/2012		2/2/2012					TRUE	FALSE	TRUE					
3213	SWD12044	SSG	APPROVED_CERT		7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			2/2/2012		2/2/2012					TRUE	FALSE	TRUE					
3214	SWD12046	SSG	EMPLACED_CNTR	11/14/2012 14:37	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			8/10/2012		8/10/2012					TRUE	FALSE	TRUE					
3215	SWD12060	SWB	EMPLACED_CNTR	4/25/2013 15:31	5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3216	SWD12061	SWB	APPROVED_CERT		5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3217	SWD12062	SWB	EMPLACED_CNTR	12/2/2012 9:19	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3218	SWD12063	SWB	EMPLACED_CNTR	10/12/2012 15:37	5/6/2012 10:19	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3219	SWD12064	SWB	APPROVED_CERT		7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			1/9/2012		1/9/2012					TRUE	FALSE	TRUE					
3220	SWD12081	SWB	APPROVED_CERT		7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
3221	SWD12082	SWB	EMPLACED_CNTR	10/19/2012 14:43	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			4/12/2012		4/12/2012					TRUE	FALSE	TRUE					
3222	SWD12083	SWB	EMPLACED_CNTR	10/19/2012 14:43	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			4/19/2012		4/19/2012					TRUE	FALSE	TRUE					
3223	SWD12084	SWB	EMPLACED_CNTR	1/6/2013 13:49	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			4/19/2012		4/19/2012					TRUE	FALSE	TRUE					
3224	SWD12085	SWB	EMPLACED_CNTR	10/26/2012 15:26	7/2/2012 13:20	mccabed	SR-SWMF-HET-A	S5400			4/19/2012		4/19/2012					TRUE	FALSE	TRUE					
3225	SWD12098	SSG	EMPLACED_CNTR	11/14/2012 14:37	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/16/2012		4/16/2012					TRUE	FALSE	TRUE					
3226	SWD12104	SSG	EMPLACED_CNTR	12/6/2012 13:41	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			4/23/2012		4/23/2012					TRUE	FALSE	TRUE					
3227	SWD12114	SWB	PRESUB_CERT		7/16/2013 13:53	mccabed	SR-SWMF-HET-A	S5400			5/8/2012		5/8/2012	7/11/2013		Added per Lwatson 020413; SW15.3-SOP-SWB-01 per jHarrison email 071613.		FALSE	FALSE	TRUE					
3228	SWD12115	SWB	EMPLACED_CNTR	12/26/2012 11:17	7/23/2012 10:01	mccabed	SR-SWMF-HET-A	S5400			5/8/2012		5/8/2012			Added per LWatson 072012.		TRUE	FALSE	TRUE	NA				
3229	SWD12116	SWB	APPROVED_CERT		7/23/2012 10:02	mccabed	SR-SWMF-HET-A	S5400			5/8/2012		5/8/2012			Added per LWatson email 072012.		TRUE	FALSE	TRUE	NA				
3230	SWD12117	SSG	APPROVED_CERT		9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			5/1/2012		5/1/2012					TRUE	FALSE	TRUE					
3231	SWD12120	SSG	EMPLACED_CNTR	12/6/2012 13:41	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			5/24/2012		5/24/2012					TRUE	FALSE	TRUE					
3232	SWD12142	SSG	EMPLACED_CNTR	12/6/2012 13:41	9/16/2012 17:20	mccabed	SR-SWMF-HET-A	S5400			6/6/2012		6/6/2012					TRUE	FALSE	TRUE					
3233	SWD12163	SSG	EMPLACED_CNTR	4/26/2013 14:53	10/2/2012 10:12	mccabed	SR-SWMF-HET-A	S5400			6/27/2012		6/27/2012			Added per LWatson email 100112.		TRUE	FALSE	TRUE	NA				
3234	SWD12169	SSG	EMPLACED_CNTR	4/26/2013 14:53	10/2/2012 10:12	mccabed	SR-SWMF-HET-A	S5400			6/27/2012		6/27/2012			Added per LWatson email 100112.		TRUE	FALSE	TRUE	NA				
3235	SWD12180	55-Gallon	APPROVED_CERT		2/4/2013 12:54	mccabed	SR-SWMF-HET-A	S5400			8/1/2012		8/1/2012			Added per Lwatson 020413		TRUE	FALSE	TRUE	NA				
3236	SWD12190	SWB	APPROVED_CERT		9/27/2012 8:24	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3237	SWD12191	SWB	EMPLACED_CNTR	11/28/2012 10:52	9/27/2012 8:25	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3238	SWD12192	SWB	EMPLACED_CNTR	11/29/2012 13:13	9/27/2012 8:26	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3239	SWD12193	SWB	EMPLACED_CNTR	4/18/2013 15:13	10/2/2012 10:13	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 100112.		TRUE	FALSE	TRUE	NA				
3240	SWD12196	SSG	APPROVED_CERT		5/2/2013 9:24	mccabed	SR-SWMF-HET-A	S5400			8/29/2012		8/29/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3241	SWD12199	SWB	EMPLACED_CNTR	1/5/2013 14:15	10/2/2012 10:13	mccabed	SR-SWMF-HET-A	S5400			8/2/2012		8/2/2012			Added per LWatson email 100112.		TRUE	FALSE	TRUE	NA				
3242	SWD12211	SWB	EMPLACED_CNTR	4/18/2013 15:13	9/27/2012 8:26	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3243	SWD12213	SWB	APPROVED_CERT		9/27/2012 8:27	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3244	SWD12214	SWB	APPROVED_CERT		9/27/2012 8:28	mccabed	SR-SWMF-HET-A	S5400			7/26/2012		7/26/2012			Added per LWatson email 092612.		TRUE	FALSE	TRUE	NA				
3245	SWD12226	SWB	EMPLACED_CNTR	7/23/2013 11:18	2/4/2013 12:54	mccabed	SR-SWMF-HET-A	S5400			8/28/2012		8/28/2012			Added per Lwatson 020413		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3246	SWD12227	SSG	APPROVED_CERT		5/2/2013 9:23	mccabed	SR-SWMF-HET-A	SS400			8/29/2012		8/29/2012			Added per JMontoya 050213		TRUE	FALSE	FALSE	NA				
3247	SWD12230	SSG	APPROVED_CERT		5/2/2013 9:25	mccabed	SR-SWMF-HET-A	SS400			9/7/2012		9/7/2012			Added per JMontoya 050213		TRUE	FALSE	FALSE	NA				
3248	SWD12233	SWB	APPROVED_CERT		10/2/2012 10:14	mccabed	SR-SWMF-HET-A	SS400			9/5/2012		9/5/2012			Added per LWatson email 100112		TRUE	FALSE	TRUE	NA				
3249	SWD12234	SWB	EMPLACED_CNTR	4/30/2013 15:02	10/2/2012 10:15	mccabed	SR-SWMF-HET-A	SS400			9/5/2012		9/5/2012			Added per LWatson email 100112		TRUE	FALSE	TRUE	NA				
3250	SWD12235	SWB	EMPLACED_CNTR	5/3/2013 15:01	10/2/2012 10:16	mccabed	SR-SWMF-HET-A	SS400			9/5/2012		9/5/2012			Added per LWatson email 100112		TRUE	FALSE	FALSE	NA				
3251	SWD12241	SSG	APPROVED_CERT		5/2/2013 9:26	mccabed	SR-SWMF-HET-A	SS400			10/10/2012		10/10/2012			Added per JMontoya 050213		TRUE	FALSE	FALSE	NA				
3252	SWD12253	SWB	APPROVED_CERT		7/16/2013 13:53	mccabed	SR-SWMF-HET-A	SS400			10/1/2012		10/1/2012	7/11/2013		Added per Lwatson 020413; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	TRUE					
3253	SWD12254	SWB			7/16/2013 13:54	mccabed	SR-SWMF-HET-A	SS400			10/1/2012		10/1/2012	7/11/2013		Added per Lwatson 020413; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	TRUE					
3254	SWD12255	SWB			7/16/2013 13:55	mccabed	SR-SWMF-HET-A	SS400			10/1/2012		10/1/2012	7/11/2013		Added per Lwatson 020413; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	TRUE					
3255	SWD12256	SWB			7/16/2013 13:55	mccabed	SR-SWMF-HET-A	SS400			10/1/2012		10/1/2012	7/11/2013		Added per Lwatson 020413; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	TRUE					
3256	SWD12263	SSG	APPROVED_CERT		5/2/2013 9:27	mccabed	SR-SWMF-HET-A	SS400			10/10/2012		10/10/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3257	SWD12272	SWB	APPROVED_CERT		5/20/2013 16:33	mccabed	SR-SWMF-HET-A	SS400			1/20/2013		1/20/2013			Added per JMontoya 052013.		TRUE	FALSE	TRUE	NA				
3258	SWD12273	SWB	APPROVED_CERT		5/20/2013 16:34	mccabed	SR-SWMF-HET-A	SS400			1/20/2013		1/20/2013			Added per JMontoya 052013.		TRUE	FALSE	TRUE	NA				
3259	SWD12274	SWB	APPROVED_CERT		5/20/2013 16:41	mccabed	SR-SWMF-HET-A	SS400			1/20/2013		1/20/2013			Added per JMontoya 052013.		TRUE	FALSE	TRUE	NA				
3260	SWD12275	SWB	APPROVED_CERT		5/20/2013 16:42	mccabed	SR-SWMF-HET-A	SS400			1/20/2013		1/20/2013			Added per JMontoya 052013.		TRUE	FALSE	TRUE	NA				
3261	SWD12278	SWB			7/16/2013 13:56	mccabed	SR-SWMF-HET-A	SS400			1/24/2013		1/24/2013	7/11/2013		Added per JMontoya 050213; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	FALSE	NA				
3262	SWD12279	SWB			7/16/2013 13:56	mccabed	SR-SWMF-HET-A	SS400			1/24/2013		1/24/2013	7/11/2013		Added per JMontoya 050213; SW1S 3-SOP-SWB-01 per JHarrison email 071613		FALSE	FALSE	FALSE	NA				
3263	SWD12280	SWB			7/16/2013 13:57	mccabed	SR-SWMF-HET-A	SS400			11/1/2012		11/1/2012	7/11/2013		Added per JMontoya 050715; SW1S 3-SOP-SWB-01 per JHarrison email 071613		TRUE	FALSE	FALSE	NA				
3264	SWD12281	SWB			8/22/2013 8:17	mccabed	SR-SWMF-HET-A	SS400			3/20/2013	8/20/2013	3/20/2013	8/20/2013		Added per JMontoya 052013; Remediated only per JHarrison email 082113.		TRUE	FALSE	TRUE	NA				
3265	SWD12291	SWB	APPROVED_CERT		5/2/2013 9:32	mccabed	SR-SWMF-HET-A	SS400			11/12/2012		11/12/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3266	SWD12292	SWB	APPROVED_CERT		5/2/2013 9:33	mccabed	SR-SWMF-HET-A	SS400			11/12/2012		11/12/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3267	SWD12293	SWB	APPROVED_CERT		5/1/2013 9:34	mccabed	SR-SWMF-HET-A	SS400			11/12/2012		11/12/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3268	SWD12299	SWB	APPROVED_CERT		5/2/2013 9:35	mccabed	SR-SWMF-HET-A	SS400			11/12/2012		11/12/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3269	SWD12300	SWB	APPROVED_CERT		5/2/2013 9:36	mccabed	SR-SWMF-HET-A	SS400			11/26/2012		11/26/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3270	SWD12301	SWB			7/8/2013 9:14	mccabed	SR-SWMF-HET-A	SS400			11/26/2012		11/26/2012			Added per JMontoya 061913.		TRUE	FALSE	TRUE	NA				
3271	SWD12312	SSG	APPROVED_CERT		5/2/2013 9:37	mccabed	SR-SWMF-HET-A	SS400			11/12/2012		11/12/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3272	SWD12320	SWB	APPROVED_CERT		5/2/2013 9:38	mccabed	SR-SWMF-HET-A	SS400			12/13/2012		12/13/2012			Added per JMontoya 050213.		TRUE	FALSE	FALSE	NA				
3273	WMAPSLB049	SLB2	APPROVED_SHIP		10/15/2012 16:39	mccabed	SR-SWMF-HET-A	SS400			7/31/2012		7/31/2012	10/8/2012		SW1S 3-SOP-LCNCC-01 SLB2 Loading Data Sheet; Filter reconfiguration date: 10/8/2012; Reduced Filter model: NFT-013	- Rpkgd was SWD031907	TRUE	FALSE	TRUE			SWD031907		NA
3274	WMAPSWB290	SWB	EMPLACED_CNTR	2/15/2011 19:56	4/28/2011 6:00	WPPNET\SQLMaster	SR-SWMF-HET-A	SS400		0	5/24/2010		5/24/2010		11/16/2010										
3275	WMAPSWB291	SWB	EMPLACED_CNTR	2/14/2011 7:10	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/24/2010		5/24/2010	12/14/2010	11/16/2010										
3276	WMAPSWB292	SWB	EMPLACED_CNTR	2/16/2011 21:51	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/24/2010		5/24/2010	12/14/2010	11/16/2010										
3277	WMAPSWB293	SWB	EMPLACED_CNTR	2/14/2011 19:14	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/24/2010		5/24/2010	12/13/2010	11/16/2010										
3278	WMAPSWB294	SWB	EMPLACED_CNTR	3/1/2012 14:38	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/24/2010		5/24/2010	12/13/2010	11/16/2010			TRUE	TRUE	TRUE					
3279	WMAPSWB295	SWB	EMPLACED_CNTR	2/8/2011 18:49	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/13/2010	11/17/2010										
3280	WMAPSWB296	SWB	EMPLACED_CNTR	3/7/2012 10:36	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/14/2010	11/17/2010			TRUE	TRUE	TRUE					
3281	WMAPSWB297	SWB	EMPLACED_CNTR	2/14/2011 19:31	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/14/2010	11/17/2010										
3282	WMAPSWB298	SWB	EMPLACED_CNTR	4/5/2011 13:25	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/14/2010	11/17/2010										
3283	WMAPSWB299	SWB	EMPLACED_CNTR	2/16/2011 19:30	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/13/2010	11/17/2010										
3284	WMAPSWB300	SWB	EMPLACED_CNTR	2/6/2011 10:11	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3285	WMAPSWB301	SWB	EMPLACED_CNTR	2/9/2011 18:45	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3286	WMAPSWB302	SWB	EMPLACED_CNTR	2/9/2011 16:49	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/25/2010		5/25/2010	12/13/2010	11/18/2010										
3287	WMAPSWB303	SWB	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010			TRUE	TRUE	TRUE					
3288	WMAPSWB304	SWB	EMPLACED_CNTR	2/16/2011 19:05	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3289	WMAPSWB305	SWB	EMPLACED_CNTR	2/8/2011 10:57	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3290	WMAPSWB306	SWB	EMPLACED_CNTR	5/18/2011 21:45	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010			TRUE	TRUE	TRUE					
3291	WMAPSWB307	SWB	EMPLACED_CNTR	2/16/2011 19:39	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3292	WMAPSWB308	SWB	EMPLACED_CNTR	2/20/2011 13:19	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/14/2010	11/18/2010										
3293	WMAPSWB309	SWB	EMPLACED_CNTR	2/9/2011 18:45	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/26/2010		5/26/2010	12/13/2010	11/18/2010										
3294	WMAPSWB310	SWB	EMPLACED_CNTR	2/20/2011 13:19	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/27/2010		5/27/2010	12/13/2010	11/19/2010										
3295	WMAPSWB311	SWB	EMPLACED_CNTR	2/16/2011 19:06	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/27/2010		5/27/2010	12/13/2010	11/19/2010										
3296	WMAPSWB312	SWB	EMPLACED_CNTR	2/9/2011 13:00	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/27/2010		5/27/2010	12/13/2010	11/19/2010										
3297	WMAPSWB313	SWB	EMPLACED_CNTR	2/8/2011 10:12	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/27/2010		5/27/2010	12/14/2010	11/19/2010										
3298	WMAPSWB314	SWB	EMPLACED_CNTR	2/15/2011 19:53	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	5/27/2010		5/27/2010	12/13/2010	11/19/2010										
3299	WMAPSWB315	SWB	EMPLACED_CNTR	2/9/2011 19:33	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3300	WMAPSWB316	SWB	EMPLACED_CNTR	2/9/2011 19:33	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3301	WMAPSWB317	SWB	EMPLACED_CNTR	2/6/2011 13:00	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3302	WMAPSWB318	SWB	EMPLACED_CNTR	2/6/2011 10:57	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3303	WMAPSWB319	SWB	EMPLACED_CNTR	2/14/2011 19:30	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3304	WMAPSWB320	SWB	EMPLACED_CNTR	2/14/2011 19:20	4/28/2011 6:00	WWS_Updt	SR-SWMF-HET-A	SS400	V&P Vent	0	6/1/2010		6/1/2010	12/13/2010	11/24/2010										
3305	WMAPSWB321	SWB	EMPLACED_CNTR	9/26/2012 12:23	4/18/2012 13:39	mccabed	SR-SWMF-HET-A	SS400			6/22/2010		6/22/2010				/ Repacked was SWD081035 / Repacked was SWD081170									
3306	WMAPSWB534	SWB	EMPLACED_CNTR	5/1/2013 15:16	9/10/2012 15:05	mccabed	SR-SWMF-HET-A	SS400			9/5/2012		9/5/2012			Inner container is SWD031299 per SW1S.3_SOP-LCNCC-01.	- Rpkgd was SWD031299	TRUE	FALSE	FALSE			SWD031299		NA
3307	WMAPSWB539	SWB	APPROVED_CERT		9/10/2012 15:06	mccabed	SR-SWMF-HET-A	SS400			9/5/2012		9/5/2012			Inner container is SWD081061 per SW1S.3_SOP-LCNCC-01.	- Rpkgd was SWD081061	TRUE	FALSE	FALSE			SWD081061		NA
3308	SR108180	SSG	APPROVED_CHARZ		8/12/2012 11:12	mccabed	SR-SWMF-HET-B	SS400			1/27/2011		1/27/2011			Corrected closure and vent dates per JShoen email 080912		TRUE	FALSE	TRUE					
3309	SN607474	SSG	APPROVED_CHARZ		2/11/2013 13:53	mccabed	SR-SWMF-HET-B	SS400	Purge		12/15/1995		12/15/1995	4/7/2008		Added per JSchoen email 102412		TRUE	FALSE	TRUE	NA				
3310	SN607480	SSG	APPROVED_CHARZ		11/6/2012 9:28	mccabed	SR-SWMF-HET-B	SS400	Remediation		12/15/1995	6/7/2012	12/15/1995	6/7/2012		Added per JSchoen email 102412		TRUE	FALSE	TRUE	NA				
3311	SN607482	SSG	APPROVED_CHARZ		11/6/2012 9:28	mccabed	SR-SWMF-HET-B	SS400	Remediation		12/15/1995	6/11/2012	12/15/1995	6/11/2012		Added per JSchoen email 102412		TRUE	FALSE	TRUE	NA				
3312	SN607486	SSG	APPROVED_CHARZ		11/6/2012 9:26	mccabed	SR-SWMF-HET-B	SS400	Remediation		12/15/1995	6/7/2012	12/15/1995	6/7/2012		Added per JSchoen email 102412		TRUE	FALSE	TRUE	NA				
3313	FBL01103	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430		0	3/26/2001		3/26/2001		9/18/2001			TRUE	TRUE	TRUE					
3314	FBL01104	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430		0	3/26/2001		3/26/2001		9/18/2001			TRUE	TRUE	TRUE					
3315	FBL01105	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430		0	3/26/2001		3/26/2001		9/18/2001			TRUE	TRUE	TRUE					
3316	FBL02192	SWB	EMPLACED_CNTR	1/30/2010 10:28	4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3317	FBL02193	SWB	EMPLACED_CNTR	1/24/2010 13:29	4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3318	FBL02194	SWB	EMPLACED_CNTR	1/25/2010 23:04	4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3319	FBL02195	SWB	EMPLACED_CNTR	1/30/2010 10:25	4/28/2011 6:00	WWS_Updt	SR-WD26-22JF-HEPA	SS430			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3320	FBL02196	SWB	EMPLACED_CNTR	3/23/2010 18:50	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3321	FBL02197	SWB	EMPLACED_CNTR	4/17/2010 14:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3322	FBL02198	SWB	EMPLACED_CNTR	1/15/2010 22:46	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3323	FBL02199	SWB	EMPLACED_CNTR	3/23/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/12/2002		11/12/2002					TRUE	TRUE	TRUE					
3324	FBL03222	SWB	EMPLACED_CNTR	8/26/2010 18:11	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			2/26/2003		2/26/2003					TRUE	TRUE	TRUE					
3325	FBL03223	SWB	EMPLACED_CNTR	3/30/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			2/26/2003		2/26/2003					TRUE	TRUE	TRUE					
3326	FBL05202	SWB	EMPLACED_CNTR	9/15/2009 22:09	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/15/2004		12/15/2004					TRUE	TRUE	TRUE					
3327	FBL05205	SWB	EMPLACED_CNTR	1/22/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			2/22/2005		2/22/2005					TRUE	TRUE	TRUE					
3328	FBL06204	SWB	EMPLACED_CNTR	3/3/2011 18:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/1/2006		3/1/2006					TRUE	TRUE	TRUE					
3329	FBL06205	SWB	EMPLACED_CNTR	3/19/2011 11:02	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/1/2006		3/1/2006			WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
3330	FBL06206	SWB	EMPLACED_CNTR	9/15/2009 22:09	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3331	FBL06207	SWB	EMPLACED_CNTR	9/13/2009 12:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3332	FBL06208	SWB	EMPLACED_CNTR	10/17/2009 10:33	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3333	FBL06209	SWB	EMPLACED_CNTR	9/13/2009 12:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3334	FBL06210	SWB	EMPLACED_CNTR	9/13/2009 13:01	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/20/2006		3/20/2006					TRUE	TRUE	TRUE					
3335	FBL06211	SWB	EMPLACED_CNTR	10/17/2009 11:18	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3336	FBL06212	SWB	EMPLACED_CNTR	9/13/2009 15:50	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/22/2006		3/22/2006					TRUE	TRUE	TRUE					
3337	FBL06213	SWB	EMPLACED_CNTR	9/22/2009 23:35	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/21/2006		3/21/2006					TRUE	TRUE	TRUE					
3338	FBL06214	SWB	EMPLACED_CNTR	9/22/2009 23:34	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/20/2006		3/20/2006					TRUE	TRUE	TRUE					
3339	FBL06216	SWB	EMPLACED_CNTR	9/27/2009 13:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			3/23/2006		3/23/2006					TRUE	TRUE	TRUE					
3340	SR595543	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		D	8/13/1992		8/13/1992		2/5/1993			TRUE	TRUE	TRUE					
3341	SR595544	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		D	8/13/1992		8/13/1992		2/5/1993			TRUE	TRUE	TRUE					
3342	SR595547	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/13/1992		8/13/1992		2/5/1993	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3343	SR595549	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		D	8/13/1992		8/13/1992		2/5/1993										
3344	SR595550	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		D	8/13/1992		8/13/1992		2/5/1993	addded container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3345	SR595551	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/13/1992		8/13/1992		2/5/1993	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3346	SR595552	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/13/1992		8/13/1992		2/5/1993			TRUE	TRUE	TRUE					
3347	SR595553	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/13/1992		8/13/1992		2/5/1993	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3348	SR595566	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/14/1992		8/14/1992		2/6/1993			TRUE	TRUE	TRUE					
3349	SR595567	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/20/1992		8/20/1992		2/12/1993	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3350	SR595571	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/26/1992		8/26/1992		2/18/1993			TRUE	TRUE	TRUE					
3351	SR595573	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/26/1992		8/26/1992		2/18/1993			TRUE	TRUE	TRUE					
3352	SR595574	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/26/1992		8/26/1992		2/18/1993			TRUE	TRUE	TRUE					
3353	SR595575	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/27/1992		8/27/1992		2/19/1993			TRUE	TRUE	TRUE					
3354	SR595576	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	8/27/1992		8/27/1992		2/19/1993	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3355	SR595859	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	6/20/1991		6/20/1991		12/13/1991	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3356	SR595860	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	7/1/1991		7/1/1991		12/24/1991	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3357	SR595862	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	6/21/1991		6/21/1991		12/14/1991	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3358	SR595864	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	7/1/1991		7/1/1991		12/24/1991	added container type per M Doherty 012909 DMc		TRUE	TRUE	TRUE					
3359	SR609644	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	5/29/1996		5/29/1996		11/21/1996			TRUE	TRUE	TRUE					
3360	SR609645	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	6/3/1996		6/3/1996		11/26/1996			TRUE	TRUE	TRUE					
3361	SR609646	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	5/29/1996		5/29/1996		11/21/1996			TRUE	TRUE	TRUE					
3362	SR609647	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	6/3/1996		6/3/1996		11/26/1996			TRUE	TRUE	TRUE					
3363	SR609649	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	5/29/1996		5/29/1996		11/21/1996			TRUE	TRUE	TRUE					
3364	SR609650	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	5/29/1996		5/29/1996		11/21/1996			TRUE	TRUE	TRUE					
3365	SR610903	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	12/1/1997		12/1/1997		5/26/1998			TRUE	TRUE	TRUE					
3366	SR610904	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	12/1/1997		12/1/1997		5/26/1998			TRUE	TRUE	TRUE					
3367	SR610905	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410		O	12/1/1997		12/1/1997		5/26/1998			TRUE	TRUE	TRUE					
3368	SWB0034	SWB	EMPLACED_CNTR	9/7/2010 18:42	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	11/3/2006	12/23/2009	11/3/2006	12/23/2009	4/28/2007			TRUE	TRUE	TRUE					
3369	SWB0039	SWB	EMPLACED_CNTR	8/28/2010 11:07	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/3/2006		11/3/2006					TRUE	TRUE	TRUE					
3370	SWB0040	SWB	EMPLACED_CNTR	10/17/2009 11:18	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/1/2006		11/1/2006					TRUE	TRUE	TRUE					
3371	SWB0041	SWB	EMPLACED_CNTR	9/12/2009 14:19	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/1/2006		11/1/2006					TRUE	TRUE	TRUE					
3372	SWB0042	SWB	EMPLACED_CNTR	9/12/2009 14:19	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/2/2006		11/2/2006					TRUE	TRUE	TRUE					
3373	SWB0043	SWB	EMPLACED_CNTR	8/28/2010 13:39	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/2/2006		11/2/2006					TRUE	TRUE	TRUE					
3374	SWB0044	SWB	EMPLACED_CNTR	8/28/2010 13:42	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/2/2006		11/2/2006					TRUE	TRUE	TRUE					
3375	SWB0046	SWB	EMPLACED_CNTR	9/12/2009 13:47	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			10/30/2006		10/30/2006					TRUE	TRUE	TRUE					
3376	SWB0052	SWB	EMPLACED_CNTR	10/7/2009 20:01	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/30/2006		11/30/2006					TRUE	TRUE	TRUE					
3377	SWB0054	SWB	EMPLACED_CNTR	9/12/2009 13:21	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/10/2006		11/10/2006					TRUE	TRUE	TRUE					
3378	SWB0055	SWB	EMPLACED_CNTR	10/21/2009 21:29	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/10/2006		11/10/2006					TRUE	TRUE	TRUE					
3379	SWB0056	SWB	EMPLACED_CNTR	3/23/2010 19:22	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/5/2006		12/5/2006					TRUE	TRUE	TRUE					
3380	SWB0057	SWB	EMPLACED_CNTR	4/20/2010 14:20	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/5/2006		12/5/2006					TRUE	TRUE	TRUE					
3381	SWB0058	SWB	EMPLACED_CNTR	9/2/2010 19:12	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	12/5/2006	12/28/2009	12/5/2006	12/28/2009	5/30/2007			TRUE	TRUE	TRUE					
3382	SWB0073	SWB	EMPLACED_CNTR	9/12/2009 12:49	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/6/2006		12/6/2006					TRUE	TRUE	TRUE					
3383	SWB0074	SWB	EMPLACED_CNTR	9/2/2010 19:12	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	12/6/2006	12/22/2009	12/6/2006	12/22/2009	5/31/2007			TRUE	TRUE	TRUE					
3384	SWB0076	SWB	EMPLACED_CNTR	2/14/2011 19:30	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	12/6/2006	12/28/2009	12/6/2006	12/28/2009	5/31/2007			TRUE	TRUE	TRUE					
3385	SWB0094	SWB	EMPLACED_CNTR	12/4/2011 10:26	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	11/18/2006	4/20/2010	11/18/2006	4/20/2010	5/13/2007			TRUE	TRUE	TRUE					
3386	SWB0095	SWB	EMPLACED_CNTR	4/18/2010 9:09	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/30/2006		11/30/2006					TRUE	TRUE	TRUE					
3387	SWB0096	SWB	EMPLACED_CNTR	9/12/2009 14:12	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/18/2006		11/18/2006					TRUE	TRUE	TRUE					
3388	SWB0097	SWB	EMPLACED_CNTR	10/3/2009 10:27	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/18/2006		11/18/2006					TRUE	TRUE	TRUE					
3389	SWB0099	SWB	EMPLACED_CNTR	10/13/2009 18:34	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/27/2006		11/27/2006					TRUE	TRUE	TRUE					
3390	SWB0112	SWB	EMPLACED_CNTR	9/16/2009 21:49	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/29/2006		11/29/2006					TRUE	TRUE	TRUE					
3391	SWB0113	SWB	EMPLACED_CNTR	10/3/2009 10:26	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/15/2006		11/15/2006					TRUE	TRUE	TRUE					
3392	SWB0116	SWB	EMPLACED_CNTR	10/8/2009 22:59	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/15/2006		11/15/2006					TRUE	TRUE	TRUE					
3393	SWB0117	SWB	EMPLACED_CNTR	10/3/2009 10:21	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/15/2006		11/15/2006					TRUE	TRUE	TRUE					
3394	SWB0123	SWB	EMPLACED_CNTR	9/16/2009 21:50	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/30/2006		11/30/2006					TRUE	TRUE	TRUE					
3395	SWB0125	SWB	EMPLACED_CNTR	1/23/2010 14:11	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/30/2006		11/30/2006					TRUE	TRUE	TRUE					
3396	SWB0126	SWB	EMPLACED_CNTR	1/29/2010 10:45	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			11/30/2006		11/30/2006					TRUE	TRUE	TRUE					
3397	SWB0127	SWB	EMPLACED_CNTR	1/13/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			1/16/2007		1/16/2007					TRUE	TRUE	TRUE					
3398	SWB0129	SWB	EMPLACED_CNTR	10/3/2009 10:23	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			1/16/2007		1/16/2007					TRUE	TRUE	TRUE					
3399	SWB0130	SWB	EMPLACED_CNTR	9/25/2010 14:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	1/16/2007	12/23/2009	1/16/2007	12/23/2009	7/11/2007			TRUE	TRUE	TRUE					
3400	SWB0133	SWB	EMPLACED_CNTR	9/7/2010 21:55	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410	Remediate	1	12/6/2006	12/23/2009	12/6/2006	12/23/2009	5/31/2007			TRUE	TRUE	TRUE					
3401	SWB0156	SWB	EMPLACED_CNTR	10/4/2009 14:47	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/6/2006		12/6/2006					TRUE	TRUE	TRUE					
3402	SWB0159	SWB	EMPLACED_CNTR	10/21/2009 21:29	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/6/2006		12/6/2006					TRUE	TRUE	TRUE					
3403	SWB0160	SWB	EMPLACED_CNTR	10/4/2009 14:50	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			12/6/2006		12/6/2006					TRUE	TRUE	TRUE					
3404	WMAPSWB001	SWB	EMPLACED_CNTR	1/14/2010 21:34	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			10/12/2007		10/12/2007					TRUE	TRUE	TRUE					
3405	WMAPSWB003	SWB	EMPLACED_CNTR	9/16/2009 23:07	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			10/15/2007		10/15/2007					TRUE	TRUE	TRUE					
3406	WMAPSWB004	SWB	EMPLACED_CNTR	3/15/2011 19:53	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	S5410			10/12/2007		10/12/2007												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3407	WMAPSWB006	SWB	EMPLACED_CNTR	9/16/2009 23:07	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/13/2007		10/13/2007					TRUE	TRUE	TRUE					
3408	WMAPSWB007	SWB	EMPLACED_CNTR	9/16/2009 21:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/13/2007		10/13/2007					TRUE	TRUE	TRUE					
3409	WMAPSWB008	SWB	EMPLACED_CNTR	9/16/2009 21:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/15/2007		10/15/2007					TRUE	TRUE	TRUE					
3410	WMAPSWB009	SWB	EMPLACED_CNTR	10/5/2009 21:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/15/2007		10/15/2007					TRUE	TRUE	TRUE					
3411	WMAPSWB010	SWB	EMPLACED_CNTR	10/18/2009 9:28	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/17/2007		10/17/2007					TRUE	TRUE	TRUE					
3412	WMAPSWB011	SWB	EMPLACED_CNTR	9/27/2009 13:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/16/2007		10/16/2007					TRUE	TRUE	TRUE					
3413	WMAPSWB012	SWB	EMPLACED_CNTR	11/1/2009 8:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/16/2007		10/16/2007					TRUE	TRUE	TRUE					
3414	WMAPSWB013	SWB	EMPLACED_CNTR	9/29/2009 22:43	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/21/2007		10/21/2007					TRUE	TRUE	TRUE					
3415	WMAPSWB015	SWB	EMPLACED_CNTR	9/29/2009 22:43	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/17/2007		10/17/2007					TRUE	TRUE	TRUE					
3416	WMAPSWB016	SWB	EMPLACED_CNTR	9/27/2009 13:57	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/21/2007		10/21/2007					TRUE	TRUE	TRUE					
3417	WMAPSWB017	SWB	EMPLACED_CNTR	10/18/2009 9:28	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/21/2007		10/21/2007					TRUE	TRUE	TRUE					
3418	WMAPSWB018	SWB	EMPLACED_CNTR	10/5/2009 21:59	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/22/2007		10/22/2007					TRUE	TRUE	TRUE					
3419	WMAPSWB019	SWB	EMPLACED_CNTR	10/5/2009 10:59	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/23/2007		10/23/2007					TRUE	TRUE	TRUE					
3420	WMAPSWB020	SWB	EMPLACED_CNTR	9/27/2009 13:57	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/22/2007		10/22/2007					TRUE	TRUE	TRUE					
3421	WMAPSWB021	SWB	EMPLACED_CNTR	10/3/2009 11:00	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/23/2007		10/23/2007					TRUE	TRUE	TRUE					
3422	WMAPSWB022	SWB	EMPLACED_CNTR	9/29/2009 18:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/23/2007		10/23/2007					TRUE	TRUE	TRUE					
3423	WMAPSWB023	SWB	EMPLACED_CNTR	3/29/2010 23:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/26/2007		10/26/2007					TRUE	TRUE	TRUE					
3424	WMAPSWB024	SWB	EMPLACED_CNTR	9/29/2009 18:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/31/2007		10/31/2007					TRUE	TRUE	TRUE					
3425	WMAPSWB025	SWB	EMPLACED_CNTR	10/7/2009 19:55	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/28/2007		10/28/2007					TRUE	TRUE	TRUE					
3426	WMAPSWB029	SWB	EMPLACED_CNTR	10/7/2009 19:55	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/5/2007		11/5/2007					TRUE	TRUE	TRUE					
3427	WMAPSWB030	SWB	EMPLACED_CNTR	10/7/2009 22:57	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/5/2007		11/5/2007					TRUE	TRUE	TRUE					
3428	WMAPSWB031	SWB	EMPLACED_CNTR	4/18/2010 13:17	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	11/5/2007		11/5/2007		4/29/2008			TRUE	TRUE	TRUE					
3429	WMAPSWB032	SWB	EMPLACED_CNTR	3/3/2011 21:53	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/29/2008		10/29/2008					TRUE	TRUE	TRUE					
3430	WMAPSWB033	SWB	EMPLACED_CNTR	10/7/2009 22:57	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/29/2008		10/29/2008					TRUE	TRUE	TRUE					
3431	WMAPSWB034	SWB	EMPLACED_CNTR	9/29/2009 18:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			10/30/2008		10/30/2008					TRUE	TRUE	TRUE					
3432	WMAPSWB035	SWB	EMPLACED_CNTR	1/16/2013 15:01	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410	Overpack splitting	1	10/30/2008	2/15/2011	10/30/2008	2/15/2011	4/24/2009	Contains SR152909		TRUE	TRUE	TRUE					
3433	WMAPSWB036	SWB	EMPLACED_CNTR	9/29/2009 18:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/4/2008		11/4/2008					TRUE	TRUE	TRUE					
3434	WMAPSWB037	SWB	EMPLACED_CNTR	10/8/2009 22:59	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/4/2008		11/4/2008					TRUE	TRUE	TRUE					
3435	WMAPSWB042	SWB	EMPLACED_CNTR	10/7/2009 22:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/6/2008		11/6/2008					TRUE	TRUE	TRUE					
3436	WMAPSWB043	SWB	EMPLACED_CNTR	10/17/2009 13:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/10/2008		11/10/2008					TRUE	TRUE	TRUE					
3437	WMAPSWB044	SWB	EMPLACED_CNTR	10/17/2009 13:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/10/2008		11/10/2008					TRUE	TRUE	TRUE					
3438	WMAPSWB051	SWB	EMPLACED_CNTR	9/26/2008 10:21	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/19/2008		11/19/2008					TRUE	TRUE	TRUE					
3439	WMAPSWB052	SWB	EMPLACED_CNTR	8/26/2010 18:11	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-221F-HEPA	55410		0	11/19/2008		11/19/2008		5/14/2009			TRUE	TRUE	TRUE					
3440	WMAPSWB053	SWB	EMPLACED_CNTR	1/14/2010 9:16	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/20/2008		11/20/2008					TRUE	TRUE	TRUE					
3441	WMAPSWB054	SWB	EMPLACED_CNTR	9/26/2009 10:20	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/20/2008		11/20/2008					TRUE	TRUE	TRUE					
3442	WMAPSWB055	SWB	EMPLACED_CNTR	10/20/2009 22:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/24/2008		11/24/2008					TRUE	TRUE	TRUE					
3443	WMAPSWB056	SWB	EMPLACED_CNTR	9/27/2009 14:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/24/2008		11/24/2008					TRUE	TRUE	TRUE					
3444	WMAPSWB057	SWB	EMPLACED_CNTR	1/21/2010 13:40	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/25/2008		11/25/2008					TRUE	TRUE	TRUE					
3445	WMAPSWB058	SWB	EMPLACED_CNTR	1/30/2010 14:06	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			11/25/2008		11/25/2008					TRUE	TRUE	TRUE					
3446	WMAPSWB059	SWB	EMPLACED_CNTR	9/27/2009 14:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/2/2008		12/2/2008					TRUE	TRUE	TRUE					
3447	WMAPSWB060	SWB	EMPLACED_CNTR	4/25/2013 15:11	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410	Overpack Splitting	1	12/3/2008	10/5/2010	12/3/2008	10/5/2010	5/27/2009	SR529220 and SR529221 (SR529222 split into WMAPSWB340)		TRUE	TRUE	TRUE					
3448	WMAPSWB061	SWB	EMPLACED_CNTR	1/16/2010 22:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/3/2008		12/3/2008					TRUE	TRUE	TRUE					
3449	WMAPSWB062	SWB	EMPLACED_CNTR	1/13/2010 19:04	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/3/2008		12/3/2008					TRUE	TRUE	TRUE					
3450	WMAPSWB063	SWB	EMPLACED_CNTR	9/27/2009 14:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/4/2008		12/4/2008					TRUE	TRUE	TRUE					
3451	WMAPSWB064	SWB	EMPLACED_CNTR	9/27/2009 14:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/16/2008		12/16/2008					TRUE	TRUE	TRUE					
3452	WMAPSWB065	SWB	EMPLACED_CNTR	9/28/2009 21:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/16/2008		12/16/2008					TRUE	TRUE	TRUE					
3453	WMAPSWB066	SWB	EMPLACED_CNTR	10/20/2009 22:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/16/2008		12/18/2008					TRUE	TRUE	TRUE					
3454	WMAPSWB070	SWB	EMPLACED_CNTR	10/19/2009 19:33	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410			12/22/2008		12/22/2008					TRUE	TRUE	TRUE					
3455	WMAPSWB073	SWB	EMPLACED_CNTR	1/14/2010 18:51	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	1/6/2009		1/6/2009		7/1/2009			TRUE	TRUE	TRUE					
3456	WMAPSWB076	SWB	EMPLACED_CNTR	1/27/2010 19:42	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	1/29/2009		1/29/2009		7/24/2009			TRUE	TRUE	TRUE					
3457	WMAPSWB077	SWB	EMPLACED_CNTR	9/28/2009 21:53	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	1/27/2009		1/27/2009		7/22/2009			TRUE	TRUE	TRUE					
3458	WMAPSWB088	SWB	EMPLACED_CNTR	10/8/2009 23:02	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3459	WMAPSWB090	SWB	EMPLACED_CNTR	10/19/2009 19:33	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3460	WMAPSWB091	SWB	EMPLACED_CNTR	10/8/2009 23:01	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3461	WMAPSWB092	SWB	EMPLACED_CNTR	3/12/2010 19:26	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3462	WMAPSWB093	SWB	EMPLACED_CNTR	10/11/2009 9:04	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3463	WMAPSWB094	SWB	EMPLACED_CNTR	10/11/2009 9:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/6/2009		2/6/2009		8/1/2009			TRUE	TRUE	TRUE					
3464	WMAPSWB095	SWB	EMPLACED_CNTR	10/1/2009 18:38	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009			TRUE	TRUE	TRUE					
3465	WMAPSWB096	SWB	EMPLACED_CNTR	10/25/2009 13:12	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009			TRUE	TRUE	TRUE					
3466	WMAPSWB097	SWB	EMPLACED_CNTR	10/19/2009 19:35	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009			TRUE	TRUE	TRUE					
3467	WMAPSWB099	SWB	EMPLACED_CNTR	10/19/2009 19:36	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009			TRUE	TRUE	TRUE					
3468	WMAPSWB100	SWB	EMPLACED_CNTR	10/1/2009 18:35	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009			TRUE	TRUE	TRUE					
3469	WMAPSWB101	SWB	PRESUB_CHARZ		4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/9/2009		2/9/2009		8/4/2009	WWIS Status:PRESUB_CHARZ		TRUE	TRUE	TRUE					
3470	WMAPSWB105	SWB	EMPLACED_CNTR	10/1/2009 21:58	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/16/2009		2/16/2009		8/11/2009			TRUE	TRUE	TRUE					
3471	WMAPSWB106	SWB	EMPLACED_CNTR	1/31/2010 14:12	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/16/2009		2/16/2009		8/11/2009			TRUE	TRUE	TRUE					
3472	WMAPSWB107	SWB	EMPLACED_CNTR	1/30/2010 12:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/16/2009		2/16/2009		8/11/2009			TRUE	TRUE	TRUE					
3473	WMAPSWB108	SWB	EMPLACED_CNTR	1/31/2010 14:11	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/16/2009		2/16/2009		8/11/2009			TRUE	TRUE	TRUE					
3474	WMAPSWB109	SWB	EMPLACED_CNTR	1/30/2010 10:28	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/16/2009		2/16/2009		8/11/2009			TRUE	TRUE	TRUE					
3475	WMAPSWB113	SWB	EMPLACED_CNTR	10/1/2009 21:59	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/17/2009		2/17/2009		8/12/2009			TRUE	TRUE	TRUE					
3476	WMAPSWB115	SWB	EMPLACED_CNTR	3/3/2011 22:40	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/17/2009		2/17/2009		8/12/2009			TRUE	TRUE	TRUE					
3477	WMAPSWB116	SWB	EMPLACED_CNTR	10/11/2009 9:23	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	3/30/2009		3/30/2009		9/22/2009			TRUE	TRUE	TRUE					
3478	WMAPSWB117	SWB	EMPLACED_CNTR	10/7/2009 22:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/17/2009		2/17/2009		8/12/2009			TRUE	TRUE	TRUE					
3479	WMAPSWB118	SWB	EMPLACED_CNTR	10/1/2009 18:30	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/17/2009		2/17/2009		8/12/2009			TRUE	TRUE	TRUE					
3480	WMAPSWB119	SWB	EMPLACED_CNTR	3/29/2010 23:26	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/25/2009		2/25/2009		8/20/2009			TRUE	TRUE	TRUE					
3481	WMAPSWB120	SWB	EMPLACED_CNTR	10/1/2009 18:29	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/25/2009		2/25/2009		8/20/2009			TRUE	TRUE	TRUE					
3482	WMAPSWB121	SWB	EMPLACED_CNTR	1/24/2010 13:29	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/26/2009		2/26/2009		8/21/2009			TRUE	TRUE	TRUE					
3483	WMAPSWB122	SWB	EMPLACED_CNTR	10/7/2009 19:56	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/26/2009		2/26/2009		8/21/2009			TRUE	TRUE	TRUE					
3484	WMAPSWB123	SWB	EMPLACED_CNTR	9/29/2009 10:41	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/20/2009		2/20/2009		8/15/2009			TRUE	TRUE	TRUE					
3485	WMAPSWB126	SWB	EMPLACED_CNTR	1/26/2010 23:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/25/2009		2/25/2009		8/20/2009			TRUE	TRUE	TRUE					
3486	WMAPSWB127	SWB	EMPLACED_CNTR	1/14/2010 13:48	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/26/2009		2/26/2009		8/21/2009			TRUE	TRUE	TRUE					
3487	WMAPSWB130	SWB	EMPLACED_CNTR	9/22/2009 23:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/26/2009		2/26/2009		8/21/2009			TRUE	TRUE	TRUE					
3488	WMAPSWB131	SWB	EMPLACED_CNTR	1/14/2010 21:33	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	2/26/2009		2/26/2009		8/21/2009			TRUE	TRUE	TRUE					
3489	WMAPSWB132	SWB	EMPLACED_CNTR	1/30/2010 12:25	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	3/30/2009		3/30/2009		9/22/2009			TRUE	TRUE	TRUE					
3490	WMAPSWB135	SWB	EMPLACED_CNTR	9/20/2009 14:45	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	3/9/2009		3/9/2009		9/1/2009			TRUE	TRUE	TRUE					
3491	WMAPSWB136	SWB	EMPLACED_CNTR	9/20/2009 14:44	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	3/9/2009		3/9/2009		9/1/2009			TRUE	TRUE	TRUE					
3492	WMAPSWB137	SWB	EMPLACED_CNTR	10/13/2009 18:34	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HEPA	55410		0	3/9/2009		3/9/2009		9/1/2009			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3493	WMAPSWB138	SWB	EMPLACED_CNTR	10/22/2009 22:17	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	3/10/2009		3/10/2009		9/2/2009			TRUE	TRUE	TRUE					
3494	WMAPSWB139	SWB	EMPLACED_CNTR	1/14/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	3/30/2009		3/30/2009		9/22/2009			TRUE	TRUE	TRUE					
3495	WMAPSWB140	SWB	EMPLACED_CNTR	9/21/2009 22:18	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	3/10/2009		3/10/2009		9/2/2009			TRUE	TRUE	TRUE					
3496	WMAPSWB145	SWB	EMPLACED_CNTR	3/27/2010 10:19	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	3/31/2009		3/31/2009		9/23/2009			TRUE	TRUE	TRUE					
3497	WMAPSWB146	SWB	EMPLACED_CNTR	1/29/2010 14:30	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	3/31/2009		3/31/2009		9/23/2009										
3498	WMAPSWB149	SWB	EMPLACED_CNTR	9/8/2011 19:06	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410	Overpack Splitting	0	4/3/2009	10/4/2010	4/3/2009	10/4/2010	9/26/2009	SR530069 and SR530070 (SR610820 split into WMAPSWB338)		TRUE	TRUE	TRUE					
3499	WMAPSWB150	SWB	EMPLACED_CNTR	3/23/2010 19:22	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/3/2009		4/3/2009		9/26/2009			TRUE	TRUE	TRUE					
3500	WMAPSWB151	SWB	EMPLACED_CNTR	10/29/2009 23:14	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/3/2009		4/3/2009		9/26/2009			TRUE	TRUE	TRUE					
3501	WMAPSWB152	SWB	EMPLACED_CNTR	4/17/2010 14:23	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/3/2009		4/3/2009		9/26/2009			TRUE	TRUE	TRUE					
3502	WMAPSWB153	SWB	EMPLACED_CNTR	1/21/2010 19:00	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/8/2009		4/8/2009		10/1/2009			TRUE	TRUE	TRUE					
3503	WMAPSWB154	SWB	EMPLACED_CNTR	2/22/2011 18:53	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009			TRUE	TRUE	TRUE					
3504	WMAPSWB155	SWB	EMPLACED_CNTR	5/15/2012 15:08	9/19/2011 16:30	mccabed	SR-WO26-221F-HEPA	S5410	Remediate	0	4/8/2009	9/9/2011	4/8/2009	9/9/2011			- Rplgd into WMPSWB155A - Rplgd into WMPSWB155B	TRUE	TRUE	TRUE					
3505	WMAPSWB156	SWB	EMPLACED_CNTR	1/14/2010 22:28	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/8/2009		4/8/2009		10/1/2009			TRUE	TRUE	TRUE					
3506	WMAPSWB165	SWB	EMPLACED_CNTR	3/23/2010 19:10	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009			TRUE	TRUE	TRUE					
3507	WMAPSWB167	SWB	EMPLACED_CNTR	1/14/2010 22:27	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009			TRUE	TRUE	TRUE					
3508	WMAPSWB172	SWB	EMPLACED_CNTR	10/22/2009 22:19	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/20/2009		4/20/2009		10/13/2009			TRUE	TRUE	TRUE					
3509	WMAPSWB173	SWB	EMPLACED_CNTR	1/29/2010 10:45	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/20/2009		4/20/2009		10/13/2009			TRUE	TRUE	TRUE					
3510	WMAPSWB177	SWB	EMPLACED_CNTR	10/11/2009 9:23	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/20/2009		4/20/2009		10/13/2009			TRUE	TRUE	TRUE					
3511	WMAPSWB178	SWB	EMPLACED_CNTR	10/22/2009 18:44	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/20/2009		4/20/2009		10/13/2009			TRUE	TRUE	TRUE					
3512	WMAPSWB179	SWB	EMPLACED_CNTR	10/11/2009 10:18	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/20/2009		4/20/2009		10/13/2009			TRUE	TRUE	TRUE					
3513	WMAPSWB181	SWB	EMPLACED_CNTR	10/26/2009 18:59	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/16/2009		4/16/2009		10/9/2009			TRUE	TRUE	TRUE					
3514	WMAPSWB186	SWB	EMPLACED_CNTR	5/1/2013 15:16	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410	Overpack Splitting	0	4/21/2009	2/14/2011	4/21/2009	2/14/2011	10/14/2009	SR529224; (SR529225 split into WMAPSWB355); (SR595820 split into WMAPSWB339)		TRUE	TRUE	TRUE					
3515	WMAPSWB187	SWB	EMPLACED_CNTR	11/5/2009 18:43	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/21/2009		4/21/2009		10/14/2009			TRUE	TRUE	TRUE					
3516	WMAPSWB188	SWB	EMPLACED_CNTR	4/15/2010 11:47	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/22/2008		4/22/2009		10/15/2009			TRUE	TRUE	TRUE					
3517	WMAPSWB189	SWB	EMPLACED_CNTR	1/13/2010 19:16	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/22/2009		4/22/2009		10/15/2009			TRUE	TRUE	TRUE					
3518	WMAPSWB191	SWB	EMPLACED_CNTR	11/15/2009 14:27	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2008		4/23/2009		10/16/2009			TRUE	TRUE	TRUE					
3519	WMAPSWB192	SWB	EMPLACED_CNTR	1/23/2010 14:13	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2009		4/23/2009		10/15/2009			TRUE	TRUE	TRUE					
3520	WMAPSWB193	SWB	EMPLACED_CNTR	1/23/2010 14:11	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2009		4/23/2009		10/15/2009			TRUE	TRUE	TRUE					
3521	WMAPSWB194	SWB	EMPLACED_CNTR	1/14/2010 13:49	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2009		4/23/2009		10/16/2009			TRUE	TRUE	TRUE					
3522	WMAPSWB195	SWB	EMPLACED_CNTR	1/30/2010 14:06	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2009		4/23/2009		10/16/2009			TRUE	TRUE	TRUE					
3523	WMAPSWB196	SWB	EMPLACED_CNTR	10/22/2009 19:44	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/23/2009		4/23/2009		10/16/2009			TRUE	TRUE	TRUE					
3524	WMAPSWB198	SWB	EMPLACED_CNTR	10/11/2009 10:16	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/24/2009		4/24/2009		10/17/2009			TRUE	TRUE	TRUE					
3525	WMAPSWB201	SWB	EMPLACED_CNTR	10/13/2009 22:01	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/24/2009		4/24/2009		10/17/2009			TRUE	TRUE	TRUE					
3526	WMAPSWB202	SWB	EMPLACED_CNTR	10/13/2009 22:00	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/24/2008		4/24/2009		10/17/2009			TRUE	TRUE	TRUE					
3527	WMAPSWB206	SWB	EMPLACED_CNTR	10/13/2009 19:26	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/27/2008		4/27/2009		10/20/2009			TRUE	TRUE	TRUE					
3528	WMAPSWB208	SWB	EMPLACED_CNTR	10/13/2009 19:27	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	4/27/2009		4/27/2009		10/20/2009			TRUE	TRUE	TRUE					
3529	WMAPSWB209	SWB	EMPLACED_CNTR	10/31/2009 14:33	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
3530	WMAPSWB210	SWB	EMPLACED_CNTR	10/13/2009 22:50	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/1/2008		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
3531	WMAPSWB211	SWB	EMPLACED_CNTR	10/13/2009 22:51	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/1/2008		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
3532	WMAPSWB212	SWB	EMPLACED_CNTR	10/17/2009 14:07	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
3533	WMAPSWB213	SWB	EMPLACED_CNTR	2/22/2011 22:08	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
3534	WMAPSWB216	SWB	EMPLACED_CNTR	1/27/2010 21:38	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/4/2009		5/4/2009		10/29/2009			TRUE	TRUE	TRUE					
3535	WMAPSWB217	SWB	EMPLACED_CNTR	1/13/2010 19:16	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/4/2009		5/4/2009		10/29/2009			TRUE	TRUE	TRUE					
3536	WMAPSWB225	SWB	EMPLACED_CNTR	10/17/2009 14:06	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/8/2009		5/8/2009		10/31/2009			TRUE	TRUE	TRUE					
3537	WMAPSWB226	SWB	EMPLACED_CNTR	10/17/2009 10:34	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/8/2009		5/8/2009		10/31/2009			TRUE	TRUE	TRUE					
3538	WMAPSWB240	SWB	EMPLACED_CNTR	10/28/2009 23:03	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2009		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3539	WMAPSWB241	SWB	EMPLACED_CNTR	10/25/2009 13:12	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2009		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3540	WMAPSWB242	SWB	EMPLACED_CNTR	10/22/2009 22:19	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2009		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3541	WMAPSWB243	SWB	EMPLACED_CNTR	11/1/2009 11:06	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2008		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3542	WMAPSWB244	SWB	EMPLACED_CNTR	10/29/2009 23:13	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2008		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3543	WMAPSWB245	SWB	EMPLACED_CNTR	10/26/2009 19:00	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/15/2009		5/15/2009		11/7/2009			TRUE	TRUE	TRUE					
3544	WMAPSWB246	SWB	EMPLACED_CNTR	10/22/2009 22:19	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/21/2009		5/21/2009		11/13/2009			TRUE	TRUE	TRUE					
3545	WMAPSWB247	SWB	EMPLACED_CNTR	10/26/2009 19:05	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/21/2009		5/21/2009		11/13/2009			TRUE	TRUE	TRUE					
3546	WMAPSWB263	SWB	EMPLACED_CNTR	1/23/2010 14:05	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/5/2008		6/5/2009		11/28/2009			TRUE	TRUE	TRUE					
3547	WMAPSWB268	SWB	EMPLACED_CNTR	1/30/2010 14:09	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/8/2008		6/8/2009		12/1/2009			TRUE	TRUE	TRUE					
3548	WMAPSWB269	SWB	EMPLACED_CNTR	10/26/2009 19:04	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/8/2009		6/8/2009		12/1/2009			TRUE	TRUE	TRUE					
3549	WMAPSWB272	SWB	EMPLACED_CNTR	4/15/2010 21:50	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/10/2008		6/10/2009		12/3/2009			TRUE	TRUE	TRUE					
3550	WMAPSWB279	SWB	EMPLACED_CNTR	11/20/2009 10:21	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	5/28/2009		5/28/2009		11/20/2009			TRUE	TRUE	TRUE					
3551	WMAPSWB285	SWB	EMPLACED_CNTR	10/29/2009 19:02	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/10/2009		6/10/2009		12/3/2009			TRUE	TRUE	TRUE					
3552	WMAPSWB287	SWB	EMPLACED_CNTR	1/16/2013 15:01	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410	Overpack Splitting	0	6/12/2009	2/15/2011	6/12/2009	2/15/2011	12/5/2009	Contains SR519724		TRUE	TRUE	TRUE					
3553	WMAPSWB289	SWB	EMPLACED_CNTR	10/28/2009 23:03	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HEPA	S5410		0	6/12/2009		6/12/2009		12/5/2009			TRUE	TRUE	TRUE					
3554	WMAPSWB338	SWB	EMPLACED_CNTR	3/7/2011 18:50	4/28/2011 6:00	sdcwebuser	SR-WO26-221F-HEPA	S5410		0	10/4/2010		10/4/2010		3/29/2011	WWIS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
3555	WMAPSWB339	SWB	EMPLACED_CNTR	5/15/2012 15:08	4/28/2011 6:00	sdcwebuser	SR-WO26-221F-HEPA	S5410		0	10/5/2010		10/5/2010		3/30/2011	SR595820 split from WMAPSWB186		TRUE	TRUE	TRUE					
3556	WMAPSWB340	SWB	EMPLACED_CNTR	3/7/2011 18:52	4/28/2011 6:00	WIPPNET\SOLMaster	SR-WO26-221F-HEPA	S5410		0	10/5/2010		10/5/2010		3/30/2011	WWIS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
3557	WMAPSWB353	SWB	EMPLACED_CNTR	8/25/2011 23:00	4/28/2011 6:00	sdcwebuser	SR-WO26-221F-HEPA	S5410		0	2/15/2011		2/15/2011		8/10/2011	Contains SR152910 split from WMAPSWB035		TRUE	TRUE	TRUE					
3558	WMAPSWB354	SWB	EMPLACED_CNTR	4/17/2013 15:24	9/10/2012 14:23	mccabed	SR-WO26-221F-HEPA	S5410		0	2/15/2011	8/30/2012	2/15/2011	8/30/2012		Contains SR157911 split from WMAPSWB035; 221-F-55078 Tru Waste Container Remediation.	- Rplgd into WMPSWB354A	TRUE	TRUE	TRUE					
3559	WMAPSWB355	SWB	EMPLACED_CNTR	9/8/2011 18:49	4/28/2011 6:00	sdcwebuser	SR-WO26-221F-HEPA	S5410		0	2/14/2011		2/14/2011		8/9/2011	Contains SR529225 split from WMAPSWB186		TRUE	TRUE	TRUE					
3560	WMAPSWB356	SWB	EMPLACED_CNTR	8/25/2011 23:00	4/28/2011 6:00	sdcwebuser	SR-WO26-221F-HEPA	S5410		0	2/15/2011		2/15/2011		8/10/2011	Contains SR520108 split from WMAPSWB287		TRUE	TRUE	TRUE					
3561	WMAPSWB474	SWB	EMPLACED_CNTR	8/1/2012 14:23	5/6/2013 9:56	mccabed	SR-WO26-221F-HEPA	S5410			1/18/2012		1/18/2012				- Rplgd was SR546301	TRUE	FALSE	TRUE	NA		SR546301		Daughter
3562	WMPSWB155A	SWB	EMPLACED_CNTR	8/1/2012 14:00	7/16/2012 20:44	mccabed	SR-WO26-221F-HEPA	S5410	None	0	9/9/2011		9/9/2011			Note the removal of the A due to 10-character limit	- Rplgd was WMAPSWB155	TRUE	TRUE	TRUE			WMAPSWB155		Daughter
3563	WMPSWB354A	SSG	APPROVED_CERT		9/10/2012 14:33	mccabed	SR-WO26-221F-HEPA	S5410		0	8/30/2012		8/30/2012				- Rplgd was WMAPSWB354	TRUE	TRUE	TRUE			WMAPSWB354		Daughter
3564	WMPSWB357A	SSG	APPROVED_CERT		10/17/2012 8:52	mccabed	SR-WO26-221F-HEPA	S5410		0	9/27/2012		9/27/2012				- Rplgd was WMAPSWB357	TRUE	TRUE	TRUE			WMAPSWB357		Daughter
3565	WMPSWB357D	SSG	APPROVED_CERT		1/16/2013 11:05	mccabed	SR-WO26-221F-HEPA	S5410		0	1/9/2013		1/9/2013				- Rplgd was WMAPSWB357	TRUE	TRUE	TRUE			WMAPSWB357		Daughter
3566	WMPSWB357E	SSG			1/16/2013 11:06	mccabed	SR-WO26-221F-HEPA	S5410		0	1/9/2013		1/9/2013					TRUE	TRUE	TRUE					
3567	FBL0000044	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	V&P Purge	0	10/3/2000	10/3/2000	10/3/2000	12/1/2003	3/28/2001			TRUE	TRUE	TRUE					
3568	FBL0000045	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	V&P Purge	0	10/3/2000	10/3/2000	10/3/2000	11/14/2005	3/28/2001			TRUE	TRUE	TRUE					
3569	FBL00001	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	V&P Vent	0	7/19/2000	7/19/2000	7/19/2000	3/15/2004	1/11/2001			TRUE	TRUE	TRUE					
3570	FBL000014	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	NCR-SRS-0510-04	0	1/13/2000	1/13/2000	1/13/2000	10/1/2003	7/7/2000			TRUE	TRUE	TRUE					
3571	FBL000015	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300		0	1/13/2000		1/13/2000		7/7/2000			TRUE	TRUE	TRUE					
3572	FBL000016	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	Remediate	1	1/13/2000	10/4/2006	1/13/2000	10/4/2006	7/7/2000			TRUE	TRUE	TRUE					
3573	FBL000016A	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-HET	S5300	Remediate			10/4/2006		10/4/2006				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3574	FBL000017	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/13/2000	1/13/2000	1/13/2000	3/13/2004	7/7/2000			TRUE	TRUE	TRUE					
3575	FBL00002	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	7/19/2000	7/19/2000	7/19/2000	3/14/2004	1/11/2001			TRUE	TRUE	TRUE					
3576	FBL000021	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/19/2000	1/19/2000	1/19/2000	3/13/2004	7/13/2000			TRUE	TRUE	TRUE					
3577	FBL000022	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/19/2000	1/19/2000	1/19/2000	3/13/2004	7/13/2000										
3578	FBL000023	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	1/20/2000	1/20/2000	1/20/2000	10/5/2003	7/14/2000			TRUE	TRUE	TRUE					
3579	FBL000024	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	1/20/2000	1/20/2000	1/20/2000	10/6/2003	7/14/2000			TRUE	TRUE	TRUE					
3580	FBL000027	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	1/21/2000	1/21/2000	1/21/2000	10/6/2003	7/15/2000			TRUE	TRUE	TRUE					
3581	FBL000028	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/24/2000	1/24/2000	1/24/2000	3/13/2004	7/18/2000			TRUE	TRUE	TRUE					
3582	FBL00003	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/2/2000	1/6/2004	8/2/2000	5/6/2004	1/25/2001			TRUE	TRUE	TRUE					
3583	FBL000038	SSG	EMPLACED_CNTR	8/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/31/2000	1/31/2000	1/31/2000	3/14/2004	7/25/2000										
3584	FBL000039	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	2/17/2000	2/17/2000	2/17/2000	10/10/2003	8/11/2000			TRUE	TRUE	TRUE					
3585	FBL00004	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/2/2000	8/2/2000	8/2/2000	8/14/2006	1/25/2001			TRUE	TRUE	TRUE					
3586	FBL000041	SSG	EMPLACED_CNTR	7/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	2/2/2000	2/2/2000	2/2/2000	8/9/2006	7/27/2000			TRUE	TRUE	TRUE					
3587	FBL00005	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/2/2000	5/5/2004	8/2/2000	5/5/2004	1/25/2001			TRUE	TRUE	TRUE					
3588	FBL00006	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/2/2000	5/5/2004	8/2/2000	5/5/2004	1/25/2001			TRUE	TRUE	TRUE					
3589	FBL000064	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	4/27/2000	4/27/2000	4/27/2000	8/8/2006	10/20/2000			TRUE	TRUE	TRUE					
3590	FBL00007	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/3/2000	4/22/2004	8/3/2000	4/22/2004	1/26/2001			TRUE	TRUE	TRUE					
3591	FBL000076	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	4/27/2000	4/27/2000	4/27/2000	10/29/2004	10/29/2000			TRUE	TRUE	TRUE					
3592	FBL000078	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Purge	0	4/27/2000	4/27/2000	4/27/2000	10/29/2004	10/29/2000			TRUE	TRUE	TRUE					
3593	FBL00008	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/2/2000	5/12/2004	8/2/2000	5/12/2004	1/25/2001			TRUE	TRUE	TRUE					
3594	FBL000084	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	5/10/2000	5/10/2000	5/10/2000	3/14/2004	11/2/2000			TRUE	TRUE	TRUE					
3595	FBL000085	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	5/10/2000	5/10/2000	5/10/2000	3/14/2004	11/2/2000			TRUE	TRUE	TRUE					
3596	FBL00009	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/3/2000	11/28/2004	8/3/2000	11/28/2004	1/26/2001			TRUE	TRUE	TRUE					
3597	FBL00010	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/4/2000	5/13/2004	8/4/2000	5/13/2004	1/27/2001			TRUE	TRUE	TRUE					
3598	FBL00011	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/4/2000	5/26/2004	8/4/2000	5/26/2004	1/27/2001			TRUE	TRUE	TRUE					
3599	FBL000119	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/7/2000	9/7/2000	9/7/2000	11/21/2003	3/1/2001			TRUE	TRUE	TRUE					
3600	FBL00012	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/4/2000	5/12/2004	8/4/2000	5/12/2004	1/27/2001			TRUE	TRUE	TRUE					
3601	FBL000120	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/7/2000	9/7/2000	9/7/2000	11/13/2003	3/2/2001			TRUE	TRUE	TRUE					
3602	FBL000121	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	9/7/2000	9/7/2000	9/7/2000	3/13/2004	3/2/2001			TRUE	TRUE	TRUE					
3603	FBL000122	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	9/7/2000	9/7/2000	9/7/2000	4/23/2004	3/2/2001			TRUE	TRUE	TRUE					
3604	FBL000123	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/7/2000	6/3/2004	9/7/2000	6/3/2004	3/2/2001			TRUE	TRUE	TRUE					
3605	FBL000124	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/11/2000	5/4/2006	9/11/2000	5/4/2006	3/6/2001			TRUE	TRUE	TRUE					
3606	FBL000125	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/11/2000	10/29/2004	9/11/2000	10/29/2004	3/6/2001			TRUE	TRUE	TRUE					
3607	FBL000126	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	9/11/2000	9/11/2000	9/11/2000	3/14/2004	3/6/2001			TRUE	TRUE	TRUE					
3608	FBL000127	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	9/11/2000	9/11/2000	9/11/2000	3/13/2004	3/6/2001			TRUE	TRUE	TRUE					
3609	FBL000128	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/11/2000	10/30/2004	9/11/2000	10/30/2004	3/6/2001			TRUE	TRUE	TRUE					
3610	FBL000129	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	9/11/2000		9/11/2000		3/6/2001			TRUE	TRUE	TRUE					
3611	FBL00013	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/3/2000	5/13/2004	8/3/2000	5/13/2004	1/26/2001			TRUE	TRUE	TRUE					
3612	FBL000130	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/10/2003	3/21/2001			TRUE	TRUE	TRUE					
3613	FBL000131	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3614	FBL000132	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3615	FBL000133	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3616	FBL000134	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3617	FBL000135	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	9/14/2000		9/14/2000		3/9/2001			TRUE	TRUE	TRUE					
3618	FBL000136	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/14/2000	10/29/2004	9/14/2000	10/29/2004	3/9/2001			TRUE	TRUE	TRUE					
3619	FBL000137	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/14/2000	7/2/2005	9/14/2000	7/2/2005	3/9/2001			TRUE	TRUE	TRUE					
3620	FBL000138	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	9/14/2000	11/28/2004	9/14/2000	11/28/2004	3/9/2001			TRUE	TRUE	TRUE					
3621	FBL000139	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3622	FBL00014	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/3/2000	5/7/2004	8/3/2000	5/7/2004	1/26/2001			TRUE	TRUE	TRUE					
3623	FBL000140	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	9/26/2000	9/26/2000	9/26/2000	10/6/2003	3/21/2001			TRUE	TRUE	TRUE					
3624	FBL000141	SSG	EMPLACED_CNTR	5/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	9/26/2000	9/26/2000	9/26/2000	3/13/2004	3/21/2001			TRUE	TRUE	TRUE					
3625	FBL00015	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/3/2000	11/27/2004	8/3/2000	11/27/2004	1/26/2001			TRUE	TRUE	TRUE					
3626	FBL00016	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/29/2000	8/29/2000	8/29/2000	6/17/2004	2/21/2001			TRUE	TRUE	TRUE					
3627	FBL00016A	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0		8/29/2000		6/17/2004				TRUE	TRUE	TRUE					
3628	FBL00017	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	8/29/2000	6/1/2004	8/29/2000	6/1/2004	2/21/2001			TRUE	TRUE	TRUE					
3629	FBL00030	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	4/23/2003	4/23/2003	4/23/2003	3/30/2004	10/18/2003			TRUE	TRUE	TRUE					
3630	FBL00031	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	2/6/2003	2/6/2003	2/6/2003	3/30/2004	8/1/2003			TRUE	TRUE	TRUE					
3631	FBL00069	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	2/6/2003	2/6/2003	2/6/2003	3/30/2004	8/1/2003			TRUE	TRUE	TRUE					
3632	FBL00242	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	10/23/2000	10/23/2000	10/23/2000	3/14/2004	4/17/2001			TRUE	TRUE	TRUE					
3633	FBL00243	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	10/23/2000	10/23/2000	10/23/2000	3/14/2004	4/17/2001			TRUE	TRUE	TRUE					
3634	FBL00246	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	6/3/2000	6/3/2000	6/3/2000	3/14/2004	11/28/2000			TRUE	TRUE	TRUE					
3635	FBL00247	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Purge	0	6/3/2000	6/3/2000	6/3/2000	12/1/2003	11/28/2000			TRUE	TRUE	TRUE					
3636	FBL00248	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Purge	0	6/3/2000	6/3/2000	6/3/2000	12/1/2003	11/28/2000			TRUE	TRUE	TRUE					
3637	FBL01036	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	3/13/2003	3/13/2003	3/13/2003	3/15/2004	9/5/2003			TRUE	TRUE	TRUE					
3638	FBL01041	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	3/12/2004	1/28/2002			TRUE	TRUE	TRUE					
3639	FBL01042	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	8/8/2006	1/28/2002										
3640	FBL01043	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	NCR-SRS-0510-04	0	10/19/2001	10/19/2001	10/19/2001	11/20/2003	4/13/2002			TRUE	TRUE	TRUE					
3641	FBL01044	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	4/9/2004	1/28/2002			TRUE	TRUE	TRUE					
3642	FBL01045	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	3/12/2004	1/28/2002			TRUE	TRUE	TRUE					
3643	FBL01046	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	10/19/2001	10/19/2001	10/19/2001	3/13/2004	4/13/2002			TRUE	TRUE	TRUE					
3644	FBL01047	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	11/8/2001	11/26/2004	11/8/2001	11/26/2004	5/3/2002			TRUE	TRUE	TRUE					
3645	FBL01048	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	6/17/2003	6/17/2003	6/17/2003	3/19/2004	12/10/2003			TRUE	TRUE	TRUE					
3646	FBL01049	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	6/17/2003	6/17/2003	6/17/2003	3/19/2004	12/10/2003			TRUE	TRUE	TRUE					
3647	FBL01050	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	12/14/2001	12/14/2001	12/14/2001	3/29/2004	6/8/2002			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3648	FBL01051	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/11/2003	6/11/2003	6/11/2003	3/19/2004	12/4/2003			TRUE	TRUE	TRUE					
3649	FBL01052	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	6/5/2003	5/13/2005	6/5/2003	5/13/2005	11/28/2003			TRUE	TRUE	TRUE					
3650	FBL01055	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/17/2003	6/17/2003	6/17/2003	3/15/2004	12/10/2003			TRUE	TRUE	TRUE					
3651	FBL01057	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/12/2001	12/12/2001	12/12/2001	2/26/2004	6/6/2002			TRUE	TRUE	TRUE					
3652	FBL01064	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	1/24/2002	1/24/2002	1/24/2002	8/1/2004	7/18/2002			TRUE	TRUE	TRUE					
3653	FBL01065	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	12/13/2001	12/13/2001	12/13/2001	3/14/2004	6/7/2002			TRUE	TRUE	TRUE					
3654	FBL01066	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	1/22/2002	1/22/2002	1/22/2002	3/12/2004	7/17/2002			TRUE	TRUE	TRUE					
3655	FBL01067	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	11/26/2001	8/31/2006	11/26/2001	8/31/2006	5/21/2002			TRUE	TRUE	TRUE					
3656	FBL01068	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	12/12/2001	12/12/2001	12/12/2001	3/12/2004	6/6/2002			TRUE	TRUE	TRUE					
3657	FBL01069	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300			12/12/2001		12/12/2001		6/6/2002			TRUE	TRUE	TRUE					
3658	FBL01073	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	1/22/2001	4/8/2008	1/22/2001	4/8/2008	7/17/2001			TRUE	TRUE	TRUE					
3659	FBL01074	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/13/2001	12/13/2001	12/13/2001	9/16/2003	6/7/2002			TRUE	TRUE	TRUE					
3660	FBL01075	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/13/2001	12/13/2001	12/13/2001	9/17/2003	6/7/2002			TRUE	TRUE	TRUE					
3661	FBL01076	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/13/2001	12/13/2001	12/13/2001	9/16/2003	6/7/2002			TRUE	TRUE	TRUE					
3662	FBL01077	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	12/13/2001	12/13/2001	12/13/2001	12/1/2003	6/7/2002			TRUE	TRUE	TRUE					
3663	FBL01078	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/17/2001	12/17/2001	12/17/2001	12/1/2003	6/11/2002			TRUE	TRUE	TRUE					
3664	FBL01079	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/17/2001	12/17/2001	12/17/2001	9/16/2003	6/11/2002			TRUE	TRUE	TRUE					
3665	FBL01080	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	12/17/2001	12/17/2001	12/17/2001	9/17/2003	6/11/2002			TRUE	TRUE	TRUE					
3666	FBL01081	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	1/22/2002	1/22/2002	1/22/2002	3/1/2004	7/17/2002			TRUE	TRUE	TRUE					
3667	FBL01082	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	1/25/2002	1/25/2002	1/25/2002	12/1/2003	7/20/2002			TRUE	TRUE	TRUE					
3668	FBL01083	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	1/24/2002	1/24/2002	1/24/2002	9/18/2003	7/19/2002			TRUE	TRUE	TRUE					
3669	FBL01211	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	1/31/2001	5/18/2004	1/31/2001	5/18/2004	7/26/2001			TRUE	TRUE	TRUE					
3670	FBL01212	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	1/31/2001	1/31/2001	1/31/2001	10/6/2003	7/26/2001			TRUE	TRUE	TRUE					
3671	FBL01213	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	1/31/2001	1/31/2001	1/31/2001	3/12/2004	7/26/2001			TRUE	TRUE	TRUE					
3672	FBL01214	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	1/31/2001	1/31/2001	1/31/2001	3/4/2004	7/26/2001			TRUE	TRUE	TRUE					
3673	FBL01215	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	1/31/2001	1/31/2001	1/31/2001	11/19/2003	7/26/2001			TRUE	TRUE	TRUE					
3674	FBL01216	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	1/31/2001	1/31/2001	1/31/2001	11/7/2003	7/26/2001			TRUE	TRUE	TRUE					
3675	FBL01217	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	1/31/2001	1/31/2001	1/31/2001	11/17/2003	7/26/2001			TRUE	TRUE	TRUE					
3676	FBL01218	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	2/12/2001	2/12/2001	2/12/2001	3/5/2004	8/7/2001			TRUE	TRUE	TRUE					
3677	FBL01219	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	2/13/2001	2/13/2001	2/13/2001	11/21/2003	8/8/2001			TRUE	TRUE	TRUE					
3678	FBL01220	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	2/13/2001	2/13/2001	2/13/2001	11/11/2003	8/8/2001			TRUE	TRUE	TRUE					
3679	FBL01221	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	2/13/2001	2/13/2001	2/13/2001	11/11/2003	8/8/2001			TRUE	TRUE	TRUE					
3680	FBL01222	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	2/13/2001	2/13/2001	2/13/2001	12/1/2003	8/8/2001			TRUE	TRUE	TRUE					
3681	FBL01223	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	2/15/2001	2/15/2001	2/15/2001	3/12/2004	8/10/2001			TRUE	TRUE	TRUE					
3682	FBL01224	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	2/15/2001	11/28/2004	2/15/2001	11/28/2004	8/10/2001			TRUE	TRUE	TRUE					
3683	FBL01225	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300		0	2/15/2001		2/15/2001		8/10/2001			TRUE	TRUE	TRUE					
3684	FBL01226	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	8/25/1999	8/25/1999	8/25/1999	3/7/2004	2/17/2000			TRUE	TRUE	TRUE					
3685	FBL01227	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	4/10/2001	4/10/2001	4/10/2001	10/25/2006	10/3/2001			TRUE	TRUE	TRUE					
3686	FBL01228	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	4/10/2001	4/14/2004	4/10/2001	4/14/2004	10/3/2001			TRUE	TRUE	TRUE					
3687	FBL01229	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	4/10/2001	4/10/2001	4/10/2001	11/11/2003	10/3/2001			TRUE	TRUE	TRUE					
3688	FBL01230	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	4/10/2001	4/10/2001	4/10/2001	3/12/2004	10/3/2001			TRUE	TRUE	TRUE					
3689	FBL01231	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	4/10/2001	4/10/2001	4/10/2001	3/13/2004	10/3/2001			TRUE	TRUE	TRUE					
3690	FBL01232	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	5/2/2001	5/2/2001	5/2/2001	3/12/2004	10/25/2001			TRUE	TRUE	TRUE					
3691	FBL01233	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	5/2/2001	5/2/2001	5/2/2001	3/12/2004	10/25/2001			TRUE	TRUE	TRUE					
3692	FBL01234	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/19/2004	12/9/2003			TRUE	TRUE	TRUE					
3693	FBL01235	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	8/19/2003	11/26/2004	8/19/2003	11/26/2004	2/11/2004			TRUE	TRUE	TRUE					
3694	FBL01236	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	8/3/2001	8/30/2006	8/3/2001	8/30/2006	1/26/2002			TRUE	TRUE	TRUE					
3695	FBL01237	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	6/17/2004	1/26/2002			TRUE	TRUE	TRUE					
3696	FBL01238	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	8/3/2001	8/3/2001	8/3/2001	6/17/2004	1/26/2002			TRUE	TRUE	TRUE					
3697	FBL01240	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	8/14/2001	1/19/2004	8/14/2001	1/19/2004	2/6/2002			TRUE	TRUE	TRUE					
3698	FBL01241	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/5/2001	6/5/2001	6/5/2001	3/13/2004	11/28/2001			TRUE	TRUE	TRUE					
3699	FBL01242	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/5/2001	6/5/2001	6/5/2001	3/14/2004	11/28/2001			TRUE	TRUE	TRUE					
3700	FBL01243	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/5/2001	6/5/2001	6/5/2001	3/14/2004	11/28/2001			TRUE	TRUE	TRUE					
3701	FBL01244	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	4/10/2001	4/10/2001	4/10/2001	3/7/2004	10/3/2001			TRUE	TRUE	TRUE					
3702	FBL01245	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	4/10/2001	4/10/2001	4/10/2001	3/12/2004	10/3/2001			TRUE	TRUE	TRUE					
3703	FBL01246	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	6/5/2001	6/5/2001	6/5/2001	11/19/2003	11/28/2001			TRUE	TRUE	TRUE					
3704	FBL01247	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300			10/20/2004		10/20/2004		4/14/2005			TRUE	TRUE	TRUE					
3705	FBL01248	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	7/2/2001	7/2/2001	7/2/2001	3/13/2004	12/25/2001			TRUE	TRUE	TRUE					
3706	FBL01249	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	7/2/2001	7/2/2001	7/2/2001	11/19/2003	12/25/2001			TRUE	TRUE	TRUE					
3707	FBL01250	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	7/2/2001	7/2/2001	7/2/2001	3/14/2004	12/25/2001			TRUE	TRUE	TRUE					
3708	FBL01251	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/2/2001	4/14/2004	7/2/2001	4/14/2004	12/25/2001			TRUE	TRUE	TRUE					
3709	FBL01252	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	7/2/2001	7/2/2001	7/2/2001	11/11/2003	12/25/2001			TRUE	TRUE	TRUE					
3710	FBL01253	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	8/14/2001	8/14/2001	8/14/2001	11/12/2003	2/6/2002			TRUE	TRUE	TRUE					
3711	FBL01254	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	8/14/2001	8/14/2001	8/14/2001	6/17/2004	2/6/2002			TRUE	TRUE	TRUE					
3712	FBL01255	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	10/24/2001	10/24/2001	10/24/2001	11/19/2003	4/18/2002			TRUE	TRUE	TRUE					
3713	FBL01256	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	10/24/2001	10/24/2001	10/24/2001	6/17/2004	4/18/2002			TRUE	TRUE	TRUE					
3714	FBL01257	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	6/17/2004	5/8/2002			TRUE	TRUE	TRUE					
3715	FBL02004	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	1/25/2002	1/25/2002	1/25/2002	3/12/2004	7/20/2002			TRUE	TRUE	TRUE					
3716	FBL02006	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	1/25/2002	1/25/2002	1/25/2002	9/16/2003	7/20/2002			TRUE	TRUE	TRUE					
3717	FBL02007	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	1/25/2002	1/25/2002	1/25/2002	10/6/2003	7/20/2002			TRUE	TRUE	TRUE					
3718	FBL02008	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	NCR-SRS-0510-04	0	2/22/2002	2/22/2002	2/22/2002	11/17/2003	8/17/2002			TRUE	TRUE	TRUE					
3719	FBL02009	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	SS300	V&P Purge	0	2/22/2002	2/22/2002	2/22/2002	9/18/2003	8/17/2002			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3720	FBL02010	55G	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	2/22/2002	2/22/2002	2/22/2002	9/16/2003	8/17/2002			TRUE	TRUE	TRUE					
3721	FBL02011	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	1/24/2002	1/24/2002	1/24/2002	9/17/2003	7/19/2002			TRUE	TRUE	TRUE					
3722	FBL02012	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	2/22/2002	2/22/2002	2/22/2002	9/18/2003	8/17/2002			TRUE	TRUE	TRUE					
3723	FBL02013	55G	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	2/22/2002	2/22/2002	2/22/2002	9/17/2003	8/17/2002			TRUE	TRUE	TRUE					
3724	FBL02014	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300		0	1/23/2002		1/23/2002		7/18/2002										
3725	FBL02019	55G	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	NCR-SRS-0510-04	0	1/24/2002	1/24/2002	1/24/2002	11/7/2003	7/19/2002			TRUE	TRUE	TRUE					
3726	FBL02020	55G	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	2/22/2002	2/22/2002	2/22/2002	9/16/2003	8/17/2002			TRUE	TRUE	TRUE					
3727	FBL02021	55G	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	2/20/2002	2/20/2002	2/20/2002	6/17/2004	8/15/2002			TRUE	TRUE	TRUE					
3728	FBL02022	55G	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300		0	2/22/2002		2/22/2002		8/17/2002			TRUE	TRUE	TRUE					
3729	FBL02024	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/2/2002	5/2/2002	5/2/2002	3/14/2004	10/25/2002			TRUE	TRUE	TRUE					
3730	FBL02025	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	3/12/2002	3/12/2002	3/12/2002	9/17/2003	9/4/2002			TRUE	TRUE	TRUE					
3731	FBL02026	55G	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	4/30/2002	4/30/2002	4/30/2002	3/13/2004	10/23/2002			TRUE	TRUE	TRUE					
3732	FBL02027	55G	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	Remediate	1	2/20/2002	11/24/2004	2/20/2002	11/24/2004	8/15/2002			TRUE	TRUE	TRUE					
3733	FBL02028	55G	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	2/20/2002	2/20/2002	2/20/2002	9/17/2003	8/15/2002			TRUE	TRUE	TRUE					
3734	FBL02029	55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	2/22/2002	2/22/2002	2/22/2002	4/9/2004	8/17/2002			TRUE	TRUE	TRUE					
3735	FBL02030	55G	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	2/14/2002	2/14/2002	2/14/2002	9/16/2003	8/9/2002			TRUE	TRUE	TRUE					
3736	FBL02033	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	3/12/2002	3/12/2002	3/12/2002	3/14/2004	9/4/2002			TRUE	TRUE	TRUE					
3737	FBL02034	55G	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	3/12/2002	3/12/2002	3/12/2002	3/13/2004	9/4/2002			TRUE	TRUE	TRUE					
3738	FBL02035	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/7/2002	6/7/2002	6/7/2002	3/14/2004	11/30/2002			TRUE	TRUE	TRUE					
3739	FBL02036	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/2/2002	6/2/2002	6/2/2002	3/13/2004	11/25/2002			TRUE	TRUE	TRUE					
3740	FBL02037	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/7/2002	6/7/2002	6/7/2002	3/14/2004	11/30/2002			TRUE	TRUE	TRUE					
3741	FBL02038	55G	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/7/2002	6/7/2002	6/7/2002	3/13/2004	11/30/2002			TRUE	TRUE	TRUE					
3742	FBL02039	55G	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/23/2005	8/23/2005	8/23/2005	7/20/2006	2/15/2006			TRUE	TRUE	TRUE					
3743	FBL02040	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300			8/23/2005		8/23/2005		2/15/2006			TRUE	TRUE	TRUE					
3744	FBL02041	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	4/30/2002	4/30/2002	4/30/2002	3/14/2004	10/23/2002			TRUE	TRUE	TRUE					
3745	FBL02042	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/3/2002	5/3/2002	5/3/2002	3/13/2004	10/26/2002			TRUE	TRUE	TRUE					
3746	FBL02043	55G	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	4/30/2002	4/30/2002	4/30/2002	3/18/2004	10/23/2002			TRUE	TRUE	TRUE					
3747	FBL02045	55G	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	4/10/2002	4/10/2002	4/10/2002	3/14/2004	10/3/2002			TRUE	TRUE	TRUE					
3748	FBL02048	55G	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/3/2002	5/3/2002	5/3/2002	3/14/2004	10/26/2002			TRUE	TRUE	TRUE					
3749	FBL02050	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300			10/14/2005		10/14/2005		4/8/2006			TRUE	TRUE	TRUE					
3750	FBL02051	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/3/2002	5/3/2002	5/3/2002	3/13/2004	10/26/2002			TRUE	TRUE	TRUE					
3751	FBL02052	55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/3/2003	5/3/2003	5/3/2003	3/14/2004	10/26/2003			TRUE	TRUE	TRUE					
3752	FBL02054	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/3/2002	5/3/2002	5/3/2002	3/14/2004	10/26/2002			TRUE	TRUE	TRUE					
3753	FBL02059	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/16/2002	5/16/2002	5/16/2002	3/13/2004	11/8/2002			TRUE	TRUE	TRUE					
3754	FBL02060	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/16/2002	5/16/2002	5/16/2002	3/18/2004	11/8/2002			TRUE	TRUE	TRUE					
3755	FBL02062	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/31/2002	7/31/2002	7/31/2002	4/9/2004	1/23/2003			TRUE	TRUE	TRUE					
3756	FBL02064	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/8/2002	7/8/2002	7/8/2002	3/13/2004	12/31/2002			TRUE	TRUE	TRUE					
3757	FBL02065	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	5/21/2002	5/21/2002	5/21/2002	3/14/2004	11/13/2002			TRUE	TRUE	TRUE					
3758	FBL02066	55G	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W018-22LF-HET	55300	V&P Vent	0	6/5/2003	6/5/2003	6/5/2003	3/19/2004	11/28/2003			TRUE	TRUE	TRUE					
3759	FBL02067	55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/31/2002	7/31/2002	7/31/2002	3/14/2004	1/23/2003			TRUE	TRUE	TRUE					
3760	FBL02068	55G	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/7/2002	6/7/2002	6/7/2002	3/14/2004	11/30/2002			TRUE	TRUE	TRUE					
3761	FBL02071	55G	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/31/2002	7/31/2002	7/31/2002	3/14/2004	1/23/2003			TRUE	TRUE	TRUE					
3762	FBL02072	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/8/2002	7/8/2002	7/8/2002	3/14/2004	12/31/2002			TRUE	TRUE	TRUE					
3763	FBL02073	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/8/2002	7/8/2002	7/8/2002	3/16/2004	12/31/2002			TRUE	TRUE	TRUE					
3764	FBL02074	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/11/2003	6/11/2003	6/11/2003	3/19/2004	12/4/2003			TRUE	TRUE	TRUE					
3765	FBL02075	55G	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/3/2003	6/3/2003	6/3/2003	3/20/2004	11/26/2003			TRUE	TRUE	TRUE					
3766	FBL02076	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/18/2002	7/18/2002	7/18/2002	3/14/2004	1/10/2003			TRUE	TRUE	TRUE					
3767	FBL02077	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/17/2002	8/17/2002	8/17/2002	3/14/2004	2/5/2003			TRUE	TRUE	TRUE					
3768	FBL02078	55G	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	7/31/2002	7/31/2002	7/31/2002	3/1/2004	1/23/2003			TRUE	TRUE	TRUE					
3769	FBL02079	55G	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/20/2004	12/9/2003			TRUE	TRUE	TRUE					
3770	FBL02080	55G	EMPLACED_CNTR	9/19/2010 10:46	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/5/2003	6/5/2003	6/5/2003	3/14/2004	11/28/2003			TRUE	TRUE	TRUE					
3771	FBL02081	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Purge	0	8/17/2002	8/17/2002	8/17/2002	9/29/2003	2/5/2003			TRUE	TRUE	TRUE					
3772	FBL02082	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/17/2002	8/17/2002	8/17/2002	3/15/2004	2/5/2003			TRUE	TRUE	TRUE					
3773	FBL02083	55G	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/17/2002	8/17/2002	8/17/2002	3/16/2004	2/5/2003			TRUE	TRUE	TRUE					
3774	FBL02084	55G	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/26/2002	8/26/2002	8/26/2002	3/14/2004	2/18/2003			TRUE	TRUE	TRUE					
3775	FBL02085	55G	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300		0	8/26/2002		8/26/2002		2/18/2003			TRUE	TRUE	TRUE					
3776	FBL02086	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	3/13/2004	2/27/2003			TRUE	TRUE	TRUE					
3777	FBL02088	55G	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	3/14/2004	2/27/2003			TRUE	TRUE	TRUE					
3778	FBL02089	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	9/4/2002	9/4/2002	9/4/2002	3/14/2004	2/27/2003			TRUE	TRUE	TRUE					
3779	FBL02090	55G	EMPLACED_CNTR	10/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/3/2003	6/3/2003	6/3/2003	3/15/2004	11/26/2003			TRUE	TRUE	TRUE					
3780	FBL02091	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	8/22/2002	8/22/2002	8/22/2002	3/15/2004	2/14/2003			TRUE	TRUE	TRUE					
3781	FBL02092	55G	EMPLACED_CNTR	5/15/2013 14:18	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	Remediate	1	11/21/2002	3/5/2008	11/21/2002	3/5/2008	9/16/2003			TRUE	TRUE	TRUE					
3782	FBL02093	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	Remediate	1	10/14/2005	10/23/2006	10/14/2005	10/23/2006	4/8/2006			TRUE	TRUE	TRUE					
3783	FBL02094	55G	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300			10/14/2005		10/14/2005		4/8/2006			TRUE	TRUE	TRUE					
3784	FBL02097	55G	EMPLACED_CNTR	4/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	10/17/2002	10/17/2002	10/17/2002	3/14/2004	4/11/2003			TRUE	TRUE	TRUE					
3785	FBL02098	55G	EMPLACED_CNTR	4/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/12/2002	11/12/2002	11/12/2002	3/14/2004	5/7/2003			TRUE	TRUE	TRUE					
3786	FBL02099	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3787	FBL02100	55G	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3788	FBL02101	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3789	FBL02102	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3790	FBL02103	55G	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	10/24/2002	10/24/2002	10/24/2002	3/19/2004	4/18/2003			TRUE	TRUE	TRUE					
3791	FBL02104	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	7/10/2003	7/10/2003	7/10/2003	3/15/2004	1/2/2004			TRUE	TRUE	TRUE					
3792	FBL02105	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/11/2003	6/11/2003	6/11/2003	3/19/2004	12/4/2003			TRUE	TRUE	TRUE					
3793	FBL02106	55G	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W024-22LF-HET	55300	V&P Vent	0	6/21/2003	6/21/2003	6/21/2003	3/15/2004	12/14/2003			TRUE	TRUE	TRUE					
3794	FBL02107	55G	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3795	FBL02108	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W024-22LF-HET	55300	V&P Vent	0	6/3/2003	6/3/2003	6/3/2003	3/19/2004	11/26/2003			TRUE	TRUE	TRUE					
3796	FBL02109	55G	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	3/14/2004	5/16/2003			TRUE	TRUE	TRUE					
3797	FBL02110	55G	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300		0	11/14/2002		11/14/2002		5/9/2003			TRUE	TRUE	TRUE					
3798	FBL02112	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/20/2004	5/29/2003			TRUE	TRUE	TRUE					
3799	FBL02113	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/15/2004	5/29/2003			TRUE	TRUE	TRUE					
3800	FBL02114	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/4/2002	12/4/2007	12/4/2002	3/13/2004	5/29/2003			TRUE	TRUE	TRUE					
3801	FBL02115	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	6/5/2003	6/5/2003	6/5/2003	3/20/2004	11/28/2003			TRUE	TRUE	TRUE					
3802	FBL02116	55G	EMPLACED_CNTR	1/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/2/2002	12/2/2002	12/2/2002	3/19/2004	5/27/2003			TRUE	TRUE	TRUE					
3803	FBL02117	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300			10/14/2005		10/14/2005		4/8/2006			TRUE	TRUE	TRUE					
3804	FBL02118	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/13/2002	12/13/2002	12/13/2002	3/19/2004	6/7/2003			TRUE	TRUE	TRUE					
3805	FBL02119	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/17/2002	12/17/2002	12/17/2002	3/19/2004	6/11/2003			TRUE	TRUE	TRUE					
3806	FBL02120	55G	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-22LF-HET	55300	V&P Vent	0	12/14/2002	12/14/2002	12/14/2002	3/19/2004	6/8/2003			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3807	FBL02121		SSG	EMPLACED_CNTR	3/25/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	12/7/2002	12/7/2002	12/7/2002	3/19/2004	6/1/2003			TRUE	TRUE	ERUE					
3808	FBL02122		SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	12/18/2002	12/18/2002	12/18/2002	3/19/2004	6/12/2003			TRUE	TRUE	TRUE					
3809	FBL02123		SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	12/18/2002	12/18/2002	12/18/2002	3/19/2004	6/12/2003			TRUE	TRUE	TRUE					
3810	FBL02124		SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/4/2003	1/4/2003	1/4/2003	3/13/2004	6/29/2003			TRUE	TRUE	TRUE					
3811	FBL02125		SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/4/2003	1/4/2003	1/4/2003	3/13/2004	6/29/2003			TRUE	TRUE	TRUE					
3812	FBL02126		SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/4/2003	1/4/2003	1/4/2003	3/15/2004	6/29/2003			TRUE	TRUE	TRUE					
3813	FBL02127		SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/4/2003	1/4/2003	1/4/2003	3/14/2004	6/29/2003			TRUE	TRUE	TRUE					
3814	FBL03001		SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/22/2003	1/22/2003	1/22/2003	3/13/2004	7/17/2003			TRUE	TRUE	TRUE					
3815	FBL03002		SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/23/2003	1/23/2003	1/23/2003	3/12/2004	7/18/2003			TRUE	TRUE	TRUE					
3816	FBL03003		SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Purge	0	1/23/2003	1/22/2003	1/23/2003	3/1/2004	7/17/2003			TRUE	TRUE	TRUE					
3817	FBL03004		SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/23/2003	1/23/2003	1/23/2003	3/13/2004	7/18/2003			TRUE	TRUE	TRUE					
3818	FBL03005		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/21/2003	1/21/2003	1/21/2003	3/19/2004	7/16/2003			TRUE	TRUE	TRUE					
3819	FBL03006		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/22/2003	1/22/2003	1/22/2003	3/12/2004	7/17/2003			TRUE	TRUE	TRUE					
3820	FBL03008		SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	6/5/2003	6/5/2003	6/5/2003	3/15/2004	11/18/2003			TRUE	TRUE	TRUE					
3821	FBL03009		SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Purge	0	6/17/2003	6/17/2003	6/17/2003	10/27/2005	12/10/2003			TRUE	TRUE	TRUE					
3822	FBL03010		SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/21/2003	1/21/2003	1/21/2003	3/16/2004	7/14/2003			TRUE	TRUE	TRUE					
3823	FBL03011		SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/13/2003	4/13/2003	4/13/2003	3/19/2004	10/16/2003			TRUE	TRUE	TRUE					
3824	FBL03012		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/12/2004	8/16/2003			TRUE	TRUE	TRUE					
3825	FBL03013		SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/18/2004	8/16/2003			TRUE	TRUE	TRUE					
3826	FBL03014		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/18/2004	8/16/2003			TRUE	TRUE	TRUE					
3827	FBL03015		SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/7/2003	2/7/2003	2/7/2003	10/27/2005	8/2/2003			TRUE	TRUE	TRUE					
3828	FBL03016		SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/3/2003	2/3/2003	2/3/2003	3/13/2004	7/29/2003			TRUE	TRUE	TRUE					
3829	FBL03019		SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/13/2004	8/16/2003			TRUE	TRUE	TRUE					
3830	FBL03020		SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/3/2003	2/3/2003	2/3/2003	3/15/2004	7/29/2003			TRUE	TRUE	TRUE					
3831	FBL03021		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/3/2003	2/3/2003	2/3/2003	3/13/2004	7/29/2003			TRUE	TRUE	TRUE					
3832	FBL03022		SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	5/7/2003	5/7/2003	5/7/2003	3/13/2004	10/30/2003			TRUE	TRUE	TRUE					
3833	FBL03023		SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/7/2003	2/7/2003	2/7/2003	10/10/2006	8/2/2003			TRUE	TRUE	TRUE					
3834	FBL03024		SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/13/2004	8/16/2003			TRUE	TRUE	TRUE					
3835	FBL03025		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/2/2003	2/2/2003	2/2/2003	3/19/2004	7/28/2003			TRUE	TRUE	TRUE					
3836	FBL03027		SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	8/14/2006	8/16/2003			TRUE	TRUE	TRUE					
3837	FBL03028		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/13/2004	8/16/2003			TRUE	TRUE	TRUE					
3838	FBL03029		SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/21/2003	2/21/2003	2/21/2003	3/16/2004	8/16/2003			TRUE	TRUE	TRUE					
3839	FBL03030		SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Purge	0	2/21/2003	2/21/2003	2/21/2003	3/1/2004	8/16/2003			TRUE	TRUE	TRUE					
3840	FBL03031		SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	6/25/2003	6/25/2003	6/25/2003	3/19/2004	12/18/2003			TRUE	TRUE	TRUE					
3841	FBL03032		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/16/2004	8/30/2003			TRUE	TRUE	TRUE					
3842	FBL03033		SSG	EMPLACED_CNTR	1/13/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300			9/15/2004		9/15/2004		3/10/2005			TRUE	TRUE	TRUE					
3843	FBL03034		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/15/2004	8/30/2003			TRUE	TRUE	TRUE					
3844	FBL03035		SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/20/2004	8/30/2003			TRUE	TRUE	TRUE					
3845	FBL03036		SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300			9/15/2004		9/15/2004		3/10/2005			TRUE	TRUE	TRUE					
3846	FBL03037		SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/16/2003	4/16/2003	4/16/2003	3/15/2004	10/9/2003			TRUE	TRUE	TRUE					
3847	FBL03038		SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	2/28/2003	2/28/2003	2/28/2003	3/20/2004	8/23/2003			TRUE	TRUE	TRUE					
3848	FBL03039		SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/13/2004	8/30/2003			TRUE	TRUE	TRUE					
3849	FBL03040		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/13/2004	8/30/2003			TRUE	TRUE	TRUE					
3850	FBL03041		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/13/2004	8/30/2003			TRUE	TRUE	TRUE					
3851	FBL03042		SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/12/2003	3/12/2003	3/12/2003	3/20/2004	9/4/2003			TRUE	TRUE	TRUE					
3852	FBL03045		SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	6/11/2003	6/11/2003	6/11/2003	3/13/2004	12/4/2003			TRUE	TRUE	TRUE					
3853	FBL03046		SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/20/2004	9/18/2003			TRUE	TRUE	TRUE					
3854	FBL03047		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/12/2003	3/12/2003	3/12/2003	3/16/2004	9/4/2003			TRUE	TRUE	TRUE					
3855	FBL03048		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/12/2003	3/12/2003	3/12/2003	3/19/2004	9/4/2003			TRUE	TRUE	TRUE					
3856	FBL03049		SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/15/2004	9/18/2003			TRUE	TRUE	TRUE					
3857	FBL03050		SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/20/2004	9/18/2003			TRUE	TRUE	TRUE					
3858	FBL03051		SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/12/2003	3/12/2003	3/12/2003	3/20/2004	9/4/2003			TRUE	TRUE	TRUE					
3859	FBL03052		SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/12/2003	3/12/2003	3/12/2003	3/26/2004	9/4/2003			TRUE	TRUE	TRUE					
3860	FBL03053		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/8/2003	4/8/2003	4/8/2003	3/13/2004	10/1/2003			TRUE	TRUE	TRUE					
3861	FBL03054		SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/20/2004	9/18/2003			TRUE	TRUE	TRUE					
3862	FBL03055		SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Purge	0	3/26/2003	3/26/2003	3/26/2003	3/20/2004	9/18/2003			TRUE	TRUE	TRUE					
3863	FBL03056		SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/25/2003	3/25/2003	3/25/2003	3/14/2004	9/17/2003			TRUE	TRUE	TRUE					
3864	FBL03057		SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/14/2004	9/18/2003			TRUE	TRUE	TRUE					
3865	FBL03058		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/14/2004	9/18/2003			TRUE	TRUE	TRUE					
3866	FBL03059		SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	6/3/2003	6/3/2003	6/3/2003	3/13/2004	11/26/2003			TRUE	TRUE	TRUE					
3867	FBL03060		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/26/2003	3/26/2003	3/26/2003	3/20/2004	9/18/2003			TRUE	TRUE	TRUE					
3868	FBL03061		SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/8/2003	4/8/2003	4/8/2003	3/20/2004	10/1/2003			TRUE	TRUE	TRUE					
3869	FBL03062		SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/8/2003	4/8/2003	4/8/2003	3/20/2004	10/1/2003			TRUE	TRUE	TRUE					
3870	FBL03063		SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/15/2003	4/15/2003	4/15/2003	3/20/2004	10/8/2003			TRUE	TRUE	TRUE					
3871	FBL03064		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/19/2003	8/19/2003	8/19/2003	3/19/2004	2/11/2004			TRUE	TRUE	TRUE					
3872	FBL03065		SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/15/2003	4/15/2003	4/15/2003	3/13/2004	10/8/2003			TRUE	TRUE	TRUE					
3873	FBL03066		SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/15/2003	4/15/2003	4/15/2003	3/20/2004	10/8/2003			TRUE	TRUE	TRUE					
3874	FBL03067		SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/15/2003	4/15/2003	4/15/2003	3/20/2004	10/8/2003			TRUE	TRUE	TRUE					
3875	FBL03068		SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/15/2003	4/15/2003	4/15/2003	3/13/2004	10/8/2003			TRUE	TRUE	TRUE					
3876	FBL03069		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/23/2003	4/23/2003	4/23/2003	3/20/2004	10/16/2003			TRUE	TRUE	TRUE					
3877	FBL03070		SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/23/2003	4/23/2003	4/23/2003	3/20/2004	10/16/2003			TRUE	TRUE	TRUE					
3878	FBL03071		SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/23/2003	4/23/2003	4/23/2003	3/20/2004	10/16/2003			TRUE	TRUE	TRUE					
3879	FBL03072		SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300			9/15/2004		9/15/2004		3/10/2005			TRUE	TRUE	TRUE					
3880	FBL03073		SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/23/2003	4/23/2003	4/23/2003	3/20/2004	10/16/2003			TRUE	TRUE	TRUE					
3881	FBL03074		SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/29/2003	4/29/2003	4/29/2003	3/20/2004	10/22/2003			TRUE	TRUE	TRUE					
3882	FBL03075		SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	4/29/2003	11/5/2006	4/29/2003	11/8/2006	10/22/2003			TRUE	TRUE	TRUE					
3883	FBL03076		SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	4/29/2003	11/9/2006	4/29/2003	11/8/2006	10/22/2003			TRUE	TRUE	TRUE					
3884	FBL03077		SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	5/29/2003	5/29/2003	5/29/2003	3/12/2004	11/21/2003			TRUE	TRUE	TRUE					
3885	FBL03078		SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	5/29/2003	5/29/2003	5/29/2003	3/7/2004	11/21/2003			TRUE	TRUE	TRUE					
3886	FBL03079		SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	4/26/2004	5/13/2003	4/26/2004	11/5/2003			TRUE	TRUE	TRUE					
3887	FBL03080		SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	4/25/2004	5/13/2003	4/25/2004	11/4/2003			TRUE	TRUE	TRUE					
3888	FBL03083		SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	4/22/2004	5/13/2003	4/22/2004	11/5/2003			TRUE	TRUE	TRUE					
3889	FBL03084		SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/7/2003	3/7/2003	3/7/2003	3/19/2004	8/30/2003			TRUE	TRUE	TRUE					
3890	FBL03085		SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	4/22/2004	5/13/2003	4/22/2004	11/5/2003			TRUE	TRUE	TRUE					
3891	FBL03086		SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	4/21/2004	5/13/2003	4/21/2004	11/5/2003			TRUE	TRUE	TRUE					
3892	FBL03087		SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	5/13/2004	5/13/2003	5/13/2004	11/5/2003			TRUE	TRUE	TRUE					
3893	FBL03088		SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/13/2003	10/29/2004	5/13/2003	10/29/2004	11/5/2003			TRUE	TRUE	TRUE					
3894	FBL03089		SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WMS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	5/27/2003	5/27/2003	5/27/2003	3/14/2004	11/19/2003			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3895	FBL03090	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	5/27/2003	5/27/2003	5/27/2003	3/12/2004	11/19/2003			TRUE	TRUE	TRUE					
3896	FBL03091	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	5/27/2003	5/27/2003	5/27/2003	3/12/2004	11/19/2003			TRUE	TRUE	TRUE					
3897	FBL03092	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	5/27/2003	5/27/2003	5/27/2003	3/12/2004	11/19/2003			TRUE	TRUE	TRUE					
3898	FBL03093	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	5/27/2003	4/26/2004	5/27/2003	4/26/2004	11/19/2003			TRUE	TRUE	TRUE					
3899	FBL03094	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/21/2003	7/21/2003	7/21/2003	3/20/2004	1/13/2004			TRUE	TRUE	TRUE					
3900	FBL03095	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/19/2004	12/9/2003			TRUE	TRUE	TRUE					
3901	FBL03096	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	6/16/2003	11/26/2004	6/16/2003	11/26/2004	12/9/2003			TRUE	TRUE	TRUE					
3902	FBL03097	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/20/2004	12/9/2003			TRUE	TRUE	TRUE					
3903	FBL03098	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/20/2004	12/9/2003			TRUE	TRUE	TRUE					
3904	FBL03099	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	6/16/2003	6/16/2003	6/16/2003	3/20/2004	12/9/2003			TRUE	TRUE	TRUE					
3905	FBL03101	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/10/2003	7/10/2003	7/10/2003	3/20/2004	1/2/2004			TRUE	TRUE	TRUE					
3906	FBL03102	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/9/2003	7/9/2003	7/9/2003	3/19/2004	1/1/2004			TRUE	TRUE	TRUE					
3907	FBL03103	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/10/2003	7/10/2003	7/10/2003	3/19/2004	1/2/2004			TRUE	TRUE	TRUE					
3908	FBL03104	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	9/28/2003	9/28/2003	9/28/2003	3/19/2004	3/22/2004			TRUE	TRUE	TRUE					
3909	FBL03105	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	9/23/2003	9/23/2003	9/23/2003	3/18/2004	3/17/2004			TRUE	TRUE	TRUE					
3910	FBL03106	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/24/2003	10/24/2003	10/24/2003	3/13/2004	4/17/2004			TRUE	TRUE	TRUE					
3911	FBL03107	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/9/2003	7/9/2003	7/9/2003	3/19/2004	1/1/2004			TRUE	TRUE	TRUE					
3912	FBL03108	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/9/2003	7/9/2003	7/9/2003	3/19/2004	1/1/2004			TRUE	TRUE	TRUE					
3913	FBL03109	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/1/2003	10/1/2003	10/1/2003	3/13/2004	3/25/2004			TRUE	TRUE	TRUE					
3914	FBL03110	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/24/2003	10/24/2003	10/24/2003	3/13/2004	4/17/2004			TRUE	TRUE	TRUE					
3915	FBL03111	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/31/2003	10/31/2003	10/31/2003	3/15/2004	4/24/2004			TRUE	TRUE	TRUE					
3916	FBL03112	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/31/2003	10/31/2003	10/31/2003	3/15/2004	4/24/2004			TRUE	TRUE	TRUE					
3917	FBL03113	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/31/2003	10/31/2003	10/31/2003	3/13/2004	4/24/2004			TRUE	TRUE	TRUE					
3918	FBL03114	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	11/11/2003	11/11/2003	11/11/2003	3/20/2004	5/5/2004			TRUE	TRUE	TRUE					
3919	FBL03115	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	11/12/2003	11/11/2003	11/11/2003	3/20/2004	5/5/2004			TRUE	TRUE	TRUE					
3920	FBL03116	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/24/2003	10/24/2003	10/24/2003	3/15/2004	4/17/2004			TRUE	TRUE	TRUE					
3921	FBL03117	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/19/2004	5/13/2004			TRUE	TRUE	TRUE					
3922	FBL03118	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/20/2004	5/13/2004			TRUE	TRUE	TRUE					
3923	FBL03128	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/21/2003	10/21/2003	10/21/2003	3/15/2004	4/14/2004			TRUE	TRUE	TRUE					
3924	FBL03134	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	9/15/2004	7/24/2006	9/15/2004	7/24/2006	3/10/2005			TRUE	TRUE	TRUE					
3925	FBL03135	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/1/2003	10/1/2003	10/1/2003	3/15/2004	3/25/2004			TRUE	TRUE	TRUE					
3926	FBL03136	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/1/2003	10/1/2003	10/1/2003	3/15/2004	3/25/2004			TRUE	TRUE	TRUE					
3927	FBL03140	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	11/6/2003	11/6/2003	11/6/2003	10/23/2006	4/30/2004			TRUE	TRUE	TRUE					
3928	FBL03141	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/23/2003	7/21/2003	7/21/2003	3/19/2004	1/13/2004			TRUE	TRUE	TRUE					
3929	FBL03142	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	7/21/2003	7/21/2003	7/21/2003	3/19/2004	1/13/2004			TRUE	TRUE	TRUE					
3930	FBL03143	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Purge	0	7/21/2003	7/21/2003	7/21/2003	8/31/2004	1/13/2004			TRUE	TRUE	TRUE					
3931	FBL03144	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	9/24/2003	5/14/2005	9/24/2003	5/14/2005	3/18/2004			TRUE	TRUE	TRUE					
3932	FBL03145	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	11/11/2003	10/3/2006	11/11/2003	10/3/2006	5/5/2004			TRUE	TRUE	TRUE					
3933	FBL03146	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	11/11/2003	11/29/2004	11/11/2003	11/29/2004	5/5/2004			TRUE	TRUE	TRUE					
3934	FBL03147	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	9/18/2003	9/18/2003	9/18/2003	3/19/2004	3/12/2004			TRUE	TRUE	TRUE					
3935	FBL03148	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	10/1/2003	10/22/2007	10/1/2003	10/22/2007	3/25/2004			TRUE	TRUE	TRUE					
3936	FBL03149	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	10/31/2003	10/31/2003	10/31/2003	3/15/2004	4/24/2004			TRUE	TRUE	TRUE					
3937	FBL03150	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					
3938	FBL03153	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			12/11/2003		12/11/2003		6/4/2004			TRUE	TRUE	TRUE					
3939	FBL03154	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	12/19/2003	4/27/2007	12/19/2003	4/27/2007	6/3/2004			TRUE	TRUE	TRUE					
3940	FBL03155	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/21/2004		7/21/2004		1/13/2005			TRUE	TRUE	TRUE					
3941	FBL03156	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/21/2004		7/21/2004		1/13/2005			TRUE	TRUE	TRUE					
3942	FBL03157	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			12/16/2003		12/16/2003		6/9/2004			TRUE	TRUE	TRUE					
3943	FBL03158	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3944	FBL03159	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			1/6/2004		1/6/2004		6/30/2004			TRUE	TRUE	TRUE					
3945	FBL03160	SSG	EMPLACED_CNTR	9/19/2010 10:46	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3946	FBL03161	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3947	FBL03221	SWB	EMPLACED_CNTR	4/25/2013 15:31	5/6/2012 10:43	mccabed	SR-W026-221F-NET	55300			2/26/2003		2/26/2003					TRUE	FALSE	TRUE					
3948	FBL04001	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3949	FBL04002	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3950	FBL04004	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					
3951	FBL04005	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					
3952	FBL04006	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					
3953	FBL04007	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			10/20/2004		10/20/2004		4/14/2005			TRUE	TRUE	TRUE					
3954	FBL04008	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/5/2004		4/5/2004		9/28/2004			TRUE	TRUE	TRUE					
3955	FBL04009	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/13/2004		4/13/2004		10/6/2004			TRUE	TRUE	TRUE					
3956	FBL04010	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/13/2004		4/13/2004		10/6/2004			TRUE	TRUE	TRUE					
3957	FBL04011	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/13/2004		4/13/2004		10/6/2004			TRUE	TRUE	TRUE					
3958	FBL04012	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/13/2004		4/13/2004		10/6/2004			TRUE	TRUE	TRUE					
3959	FBL04013	SSG	EMPLACED_CNTR	11/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			4/13/2004		4/13/2004		10/6/2004			TRUE	TRUE	TRUE					
3960	FBL04016	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			5/5/2004		5/5/2004		10/28/2004			TRUE	TRUE	TRUE					
3961	FBL04017	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			5/5/2004		5/5/2004		10/28/2004			TRUE	TRUE	TRUE					
3962	FBL04018	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			5/5/2004		5/5/2004		10/28/2004			TRUE	TRUE	TRUE					
3963	FBL04019	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			5/5/2004		5/5/2004		10/28/2004			TRUE	TRUE	TRUE					
3964	FBL04020	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			6/23/2004		6/23/2004		12/16/2004			TRUE	TRUE	TRUE					
3965	FBL04021	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/16/2004		9/16/2004		3/11/2005			TRUE	TRUE	TRUE					
3966	FBL04022	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/30/2004		9/30/2004		11/23/2004			TRUE	TRUE	TRUE					
3967	FBL04024	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/27/2004		7/27/2004		1/18/2005			TRUE	TRUE	TRUE					
3968	FBL04025	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	7/1/2004	4/27/2007	7/1/2004	4/27/2007	12/24/2004			TRUE	TRUE	TRUE					
3969	FBL04026	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/1/2004		7/1/2004		12/24/2004			TRUE	TRUE	TRUE					
3970	FBL04027	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/13/2004		7/13/2004		1/5/2005			TRUE	TRUE	TRUE					
3971	FBL04028	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/8/2004		7/8/2004		12/31/2004			TRUE	TRUE	TRUE					
3972	FBL04029	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/13/2004		7/13/2004		1/5/2005			TRUE	TRUE	TRUE					
3973	FBL04030	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/13/2004		7/13/2004		1/5/2005			TRUE	TRUE	TRUE					
3974	FBL04032	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/20/2004		7/20/2004		1/12/2005			TRUE	TRUE	TRUE					
3975	FBL04035	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			7/27/2004		7/27/2004		1/19/2005			TRUE	TRUE	TRUE					
3976	FBL04036	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			8/3/2004		8/3/2004		1/26/2005			TRUE	TRUE	TRUE					
3977	FBL04037	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			8/3/2004		8/3/2004		1/26/2005			TRUE	TRUE	TRUE					
3978	FBL04038	SSG	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			8/10/2004		8/10/2004		2/2/2005			TRUE	TRUE	TRUE					
3979	FBL04039	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			8/10/2004		8/10/2004		2/2/2005			TRUE	TRUE	TRUE					
3980	FBL04040	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					
3981	FBL04041	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/8/2004		9/8/2004		3/3/2005			TRUE	TRUE	TRUE					
3982	FBL04042	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300			9/2/2004		9/2/2004		2/25/2005			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3983	FBL04043	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			9/8/2004		9/8/2004		3/1/2005			TRUE	TRUE	TRUE					
3984	FBL04044	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			7/20/2004		7/20/2004		1/12/2005			TRUE	TRUE	TRUE					
3985	FBL04045	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/20/2004		10/20/2004		4/14/2005			TRUE	TRUE	TRUE					
3986	FBL04046	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/20/2004		10/20/2004		4/14/2005			TRUE	TRUE	TRUE					
3987	FBL04047	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/4/2004		10/4/2004		3/29/2005			TRUE	TRUE	TRUE					
3988	FBL04048	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/4/2004		10/4/2004		3/29/2005			TRUE	TRUE	TRUE					
3989	FBL04049	SSG	EMPLACED_CNTR	1/11/2012 9:41	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/7/2004		10/7/2004		4/1/2005	WWIS_Status_APPROVED_CERT		TRUE	TRUE	TRUE					
3990	FBL04050	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/7/2004		10/7/2004		4/1/2005			TRUE	TRUE	TRUE					
3991	FBL04051	SSG	EMPLACED_CNTR	1/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/17/2004		10/17/2004		4/11/2005			TRUE	TRUE	TRUE					
3992	FBL04052	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/12/2004		10/12/2004		4/6/2005			TRUE	TRUE	TRUE					
3993	FBL04053	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/12/2004		10/12/2004		4/6/2005			TRUE	TRUE	TRUE					
3994	FBL04054	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/12/2004		10/12/2004		4/6/2005			TRUE	TRUE	TRUE					
3995	FBL04055	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/18/2004		10/18/2004		4/12/2005			TRUE	TRUE	TRUE					
3996	FBL04056	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/18/2004		10/18/2004		4/12/2005			TRUE	TRUE	TRUE					
3997	FBL04057	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/21/2004		10/21/2004		4/15/2005			TRUE	TRUE	TRUE					
3998	FBL04058	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/21/2004		10/21/2004		4/15/2005			TRUE	TRUE	TRUE					
3999	FBL04059	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/26/2004		10/26/2004		4/20/2005			TRUE	TRUE	TRUE					
4000	FBL04060	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/26/2004		10/26/2004		4/20/2005			TRUE	TRUE	TRUE					
4001	FBL04061	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/1/2004		11/1/2004		4/26/2005			TRUE	TRUE	TRUE					
4002	FBL04062	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/1/2004		11/1/2004		4/26/2005			TRUE	TRUE	TRUE					
4003	FBL04063	SSG	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/8/2004		11/8/2004		5/3/2005			TRUE	TRUE	TRUE					
4004	FBL04064	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/8/2004		11/8/2004		5/3/2005			TRUE	TRUE	TRUE					
4005	FBL04065	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/8/2004		11/8/2004		5/3/2005			TRUE	TRUE	TRUE					
4006	FBL04066	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			12/6/2004		12/6/2004		5/31/2005			TRUE	TRUE	TRUE					
4007	FBL04067	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/16/2004		10/16/2004		4/10/2005			TRUE	TRUE	TRUE					
4008	FBL04068	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/23/2004		11/23/2004		5/18/2005			TRUE	TRUE	TRUE					
4009	FBL04069	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			12/6/2004		12/6/2004		5/31/2005			TRUE	TRUE	TRUE					
4010	FBL04070	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			12/12/2004		12/12/2004		6/6/2005			TRUE	TRUE	TRUE					
4011	FBL04071	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			12/27/2004		12/27/2004		6/21/2005			TRUE	TRUE	TRUE					
4012	FBL04072	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/10/2005		1/10/2005		7/5/2005			TRUE	TRUE	TRUE					
4013	FBL04073	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/3/2005		1/3/2005		6/28/2005			TRUE	TRUE	TRUE					
4014	FBL04074	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/3/2004		1/3/2004		6/27/2004			TRUE	TRUE	TRUE					
4015	FBL04075	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/6/2005		1/6/2005		7/1/2005			TRUE	TRUE	TRUE					
4016	FBL04076	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/6/2005		1/6/2005		7/1/2005			TRUE	TRUE	TRUE					
4017	FBL04084	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/30/2004		11/30/2004		5/25/2005			TRUE	TRUE	TRUE					
4018	FBL04090	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300	Remediate	1	9/8/2004	11/2/2006	9/8/2004	11/2/2006	3/3/2005			TRUE	TRUE	TRUE					
4019	FBL05002	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/11/2004		10/11/2004		4/5/2005			TRUE	TRUE	TRUE					
4020	FBL05003	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			10/26/2004		10/26/2004		4/20/2005			TRUE	TRUE	TRUE					
4021	FBL05004	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/15/2004		11/15/2004		5/10/2005			TRUE	TRUE	TRUE					
4022	FBL05005	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/15/2004		11/15/2004		5/10/2005			TRUE	TRUE	TRUE					
4023	FBL05008	SSG	EMPLACED_CNTR	9/29/2009 14:43	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300	Remediate	1	12/12/2004	8/4/2008	12/12/2004	8/4/2008	6/6/2005			TRUE	TRUE	TRUE					
4024	FBL05012	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4025	FBL05017	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4026	FBL05018	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/31/2005		5/31/2005		11/23/2005			TRUE	TRUE	TRUE					
4027	FBL05021	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			9/15/2005		9/15/2005		3/10/2006			TRUE	TRUE	TRUE					
4028	FBL05022	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			11/3/2005		11/3/2005		4/28/2006			TRUE	TRUE	TRUE					
4029	FBL05023	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			12/8/2005		12/8/2005		6/2/2006			TRUE	TRUE	TRUE					
4030	FBL05024	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4031	FBL05025	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300	Remediate	1	4/28/2005	2/22/2007	4/28/2005	2/22/2007	10/21/2005			TRUE	TRUE	TRUE					
4032	FBL05027	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4033	FBL05030	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			3/16/2005		3/16/2005		9/8/2005			TRUE	TRUE	TRUE					
4034	FBL05031	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			3/16/2005		3/16/2005		9/8/2005			TRUE	TRUE	TRUE					
4035	FBL05032	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/31/2005		5/31/2005		11/23/2005			TRUE	TRUE	TRUE					
4036	FBL05033	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/11/2005		4/11/2005		10/4/2005			TRUE	TRUE	TRUE					
4037	FBL05034	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4038	FBL05036	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/31/2005		5/31/2005		11/23/2005			TRUE	TRUE	TRUE					
4039	FBL05038	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/28/2005		4/28/2005		10/21/2005			TRUE	TRUE	TRUE					
4040	FBL05040	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/31/2005		5/31/2005		11/23/2005			TRUE	TRUE	TRUE					
4041	FBL05041	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/31/2005		5/31/2005		11/23/2005			TRUE	TRUE	TRUE					
4042	FBL05042	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/16/2005		5/16/2005		11/8/2005			TRUE	TRUE	TRUE					
4043	FBL05043	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/16/2005		5/16/2005		11/8/2005			TRUE	TRUE	TRUE					
4044	FBL05044	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/16/2005		5/16/2005		11/8/2005			TRUE	TRUE	TRUE					
4045	FBL05046	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/24/2005		5/24/2005		11/16/2005			TRUE	TRUE	TRUE					
4046	FBL05047	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/24/2005		5/24/2005		11/16/2005			TRUE	TRUE	TRUE					
4047	FBL05048	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			5/24/2005		5/24/2005		11/16/2005			TRUE	TRUE	TRUE					
4048	FBL05049	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			6/6/2005		6/6/2005		12/1/2005			TRUE	TRUE	TRUE					
4049	FBL05050	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/19/2005		1/19/2005		7/5/2005			TRUE	TRUE	TRUE					
4050	FBL05051	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/19/2005		1/19/2005		7/14/2005			TRUE	TRUE	TRUE					
4051	FBL05052	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/19/2005		1/19/2005		7/14/2005			TRUE	TRUE	TRUE					
4052	FBL05053	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/26/2005		1/26/2005		7/21/2005			TRUE	TRUE	TRUE					
4053	FBL05054	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/26/2005		1/26/2005		7/21/2005			TRUE	TRUE	TRUE					
4054	FBL05055	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/26/2005		1/26/2005		7/21/2005			TRUE	TRUE	TRUE					
4055	FBL05056	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/26/2005		1/26/2005		7/21/2005			TRUE	TRUE	TRUE					
4056	FBL05057	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/31/2005		1/31/2005		7/26/2005			TRUE	TRUE	TRUE					
4057	FBL05058	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/31/2005		1/31/2005		7/26/2005			TRUE	TRUE	TRUE					
4058	FBL05059	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			1/31/2005		1/31/2005		7/26/2005			TRUE	TRUE	TRUE					
4059	FBL05060	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/14/2005		2/14/2005		8/9/2005			TRUE	TRUE	TRUE					
4060	FBL05061	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/16/2005		2/16/2005		8/11/2005			TRUE	TRUE	TRUE					
4061	FBL05062	SSG	EMPLACED_CNTR	12/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/14/2005		2/14/2005		8/9/2005			TRUE	TRUE	TRUE					
4062	FBL05063	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300	Remediate	1	2/16/2005	10/5/2006	2/16/2005	10/5/2006	8/11/2005			TRUE	TRUE	TRUE					
4063	FBL05064	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/16/2005		2/16/2005		8/11/2005			TRUE	TRUE	TRUE					
4064	FBL05065	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300	Remediate	1	2/20/2005	4/26/2007	2/20/2005	4/26/2007	8/15/2005			TRUE	TRUE	TRUE					
4065	FBL05066	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/20/2005		2/20/2005		8/15/2005			TRUE	TRUE	TRUE					
4066	FBL05067	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/11/2005		4/11/2005		10/4/2005			TRUE	TRUE	TRUE					
4067	FBL05068	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			4/11/2005		4/11/2005		10/4/2005			TRUE	TRUE	TRUE					
4068	FBL05069	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/20/2005		2/20/2005		8/15/2005			TRUE	TRUE	TRUE					
4069	FBL05070	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/20/2005		2/20/2005		8/15/2005			TRUE	TRUE	TRUE					
4070	FBL05071	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-MET	55300			2/23/2005		2/23/2005		8/18/2005			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4071	FBL05077	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			2/23/2005		2/23/2005		8/18/2005			TRUE	TRUE	TRUE					
4072	FBL05073	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			2/23/2005		2/23/2005		8/18/2005			TRUE	TRUE	TRUE					
4073	FBL05078	SSG	EMPLACED_CNTR	2/27/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	2/23/2005	4/26/2007	2/23/2005	4/26/2007	8/18/2005			TRUE	TRUE	TRUE					
4074	FBL05075	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			2/28/2005		2/28/2005		8/23/2005			TRUE	TRUE	TRUE					
4075	FBL05076	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	3/15/2005	4/26/2007	3/15/2005	4/26/2007	9/7/2005			TRUE	TRUE	TRUE					
4076	FBL05077	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			4/7/2005		4/7/2005		9/30/2005			TRUE	TRUE	TRUE					
4077	FBL05078	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			6/16/2005		6/16/2005		12/9/2005			TRUE	TRUE	TRUE					
4078	FBL05079	SSG	EMPLACED_CNTR	3/16/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			6/28/2005		6/28/2005		12/21/2005			TRUE	TRUE	TRUE					
4079	FBL05080	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/21/2005		8/21/2005		12/16/2005			TRUE	TRUE	TRUE					
4080	FBL05081	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/26/2005		7/26/2005		1/18/2006			TRUE	TRUE	TRUE					
4081	FBL05082	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/26/2005		7/26/2005		1/18/2006			TRUE	TRUE	TRUE					
4082	FBL05083	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/12/2005		7/12/2005		1/4/2006			TRUE	TRUE	TRUE					
4083	FBL05084	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/20/2005		7/20/2005		1/12/2006			TRUE	TRUE	TRUE					
4084	FBL05085	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/12/2005		7/12/2005		1/4/2006			TRUE	TRUE	TRUE					
4085	FBL05086	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/15/2005		8/15/2005		2/7/2006			TRUE	TRUE	TRUE					
4086	FBL05087	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	8/3/2005	4/27/2007	8/3/2005	4/27/2007	1/25/2006			TRUE	TRUE	TRUE					
4087	FBL05088	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	8/3/2005	4/23/2007	8/3/2005	4/23/2007	1/26/2006			TRUE	TRUE	TRUE					
4088	FBL05089	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/16/2005		8/16/2005		2/8/2006			TRUE	TRUE	TRUE					
4089	FBL05090	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/17/2005		8/17/2005		2/9/2006			TRUE	TRUE	TRUE					
4090	FBL05091	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/24/2005		8/24/2005		2/16/2006			TRUE	TRUE	TRUE					
4091	FBL05092	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/30/2005		8/30/2005		2/22/2006			TRUE	TRUE	TRUE					
4092	FBL05093	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/4/2005		10/4/2005		3/29/2006			TRUE	TRUE	TRUE					
4093	FBL05094	SSG	EMPLACED_CNTR	6/27/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	11/15/2005	7/15/2008	11/15/2005	7/15/2008	5/10/2006			TRUE	TRUE	TRUE					
4094	FBL05095	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/20/2005		7/20/2005		1/12/2006			TRUE	TRUE	TRUE					
4095	FBL05096	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/26/2005		7/26/2005		1/18/2006			TRUE	TRUE	TRUE					
4096	FBL05097	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/2/2005		8/2/2005		1/25/2006			TRUE	TRUE	TRUE					
4097	FBL05098	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	8/16/2005	9/6/2006	8/16/2005	9/6/2006	2/8/2006			TRUE	TRUE	TRUE					
4098	FBL05099	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/15/2005		8/15/2005		2/7/2006			TRUE	TRUE	TRUE					
4099	FBL05100	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/2/2005		8/2/2005		1/25/2006			TRUE	TRUE	TRUE					
4100	FBL05101	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			6/9/2005		6/9/2005		12/2/2005			TRUE	TRUE	TRUE					
4101	FBL05102	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			6/9/2005		6/9/2005		12/2/2005			TRUE	TRUE	TRUE					
4102	FBL05103	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			6/30/2005		6/30/2005		12/13/2005			TRUE	TRUE	TRUE					
4103	FBL05104	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300	Remediate	1	10/25/2005	4/28/2007	10/25/2005	4/28/2007	4/19/2006			TRUE	TRUE	TRUE					
4104	FBL05104A	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300		0	4/28/2007		4/28/2007		10/21/2007			TRUE	TRUE	TRUE					
4105	FBL05105	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/3/2005		8/3/2005		1/26/2006			TRUE	TRUE	TRUE					
4106	FBL05106	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/3/2005		8/3/2005		1/26/2006			TRUE	TRUE	TRUE					
4107	FBL05107	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/16/2005		8/16/2005		2/8/2006			TRUE	TRUE	TRUE					
4108	FBL05108	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/16/2005		8/16/2005		2/8/2006			TRUE	TRUE	TRUE					
4109	FBL05109	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/16/2005		8/16/2005		2/8/2006			TRUE	TRUE	TRUE					
4110	FBL05110	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/17/2005		8/17/2005		2/9/2006			TRUE	TRUE	TRUE					
4111	FBL05111	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/17/2005		8/17/2005		2/9/2006			TRUE	TRUE	TRUE					
4112	FBL05112	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/18/2005		8/18/2005		2/10/2006			TRUE	TRUE	TRUE					
4113	FBL05113	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/17/2005		8/17/2005		2/9/2006			TRUE	TRUE	TRUE					
4114	FBL05114	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/18/2005		8/18/2005		2/10/2006			TRUE	TRUE	TRUE					
4115	FBL05115	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/18/2005		8/18/2005		2/10/2006			TRUE	TRUE	TRUE					
4116	FBL05116	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/24/2005		8/24/2005		2/16/2006			TRUE	TRUE	TRUE					
4117	FBL05117	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			8/30/2005		8/30/2005		2/22/2006			TRUE	TRUE	TRUE					
4118	FBL05118	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/13/2005		9/13/2005		3/8/2006			TRUE	TRUE	TRUE					
4119	FBL05119	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/13/2005		9/13/2005		3/8/2006			TRUE	TRUE	TRUE					
4120	FBL05122	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/25/2005		10/25/2005		4/19/2006			TRUE	TRUE	TRUE					
4121	FBL05125	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/13/2005		9/13/2005		3/8/2006			TRUE	TRUE	TRUE					
4122	FBL05126	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/13/2005		9/13/2005		3/8/2006			TRUE	TRUE	TRUE					
4123	FBL05127	SSG	EMPLACED_CNTR	1/11/2012 9:41	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/15/2005		9/15/2005		3/10/2006	WWS Status APPROVED_CERT		TRUE	TRUE	TRUE					
4124	FBL05128	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/15/2005		9/15/2005		3/10/2006			TRUE	TRUE	TRUE					
4125	FBL05129	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/15/2005		9/15/2005		3/10/2006			TRUE	TRUE	TRUE					
4126	FBL05130	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/15/2005		9/15/2005		3/10/2006			TRUE	TRUE	TRUE					
4127	FBL05131	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/21/2005		9/21/2005		3/16/2006			TRUE	TRUE	TRUE					
4128	FBL05132	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			9/21/2005		9/21/2005		3/16/2006			TRUE	TRUE	TRUE					
4129	FBL05133	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/10/2005		10/10/2005		4/4/2006			TRUE	TRUE	TRUE					
4130	FBL05134	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/4/2005		10/4/2005		3/29/2006			TRUE	TRUE	TRUE					
4131	FBL05135	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/5/2005		10/5/2005		3/30/2006			TRUE	TRUE	TRUE					
4132	FBL05149	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/25/2005		10/25/2005		4/19/2006			TRUE	TRUE	TRUE					
4133	FBL05150	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/14/2005		10/14/2005		4/8/2006			TRUE	TRUE	TRUE					
4134	FBL05151	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/25/2005		10/25/2005		4/19/2006			TRUE	TRUE	TRUE					
4135	FBL05152	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/11/2005		10/11/2005		4/25/2006			TRUE	FALSE	TRUE					
4136	FBL05201	SWB	EMPLACED_CNTR	9/20/2012 13:43	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			12/7/2005		12/7/2005					TRUE	FALSE	TRUE					
4137	FBL05203	SWB	EMPLACED_CNTR	6/17/2012 10:49	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			1/4/2005		1/4/2005					TRUE	FALSE	TRUE					
4138	FBL05204	SWB	APPROVED_CERT		5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			1/4/2005		1/4/2005					TRUE	FALSE	TRUE					
4139	FBL05206	SWB	EMPLACED_CNTR	6/24/2012 9:39	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			5/10/2005		5/10/2005					TRUE	FALSE	TRUE					
4140	FBL05207	SWB	EMPLACED_CNTR	7/7/2012 10:47	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			5/10/2005		5/10/2005					TRUE	FALSE	TRUE					
4141	FBL05208	SWB	EMPLACED_CNTR	6/17/2012 10:48	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			9/29/2005		9/29/2005					TRUE	FALSE	TRUE					
4142	FBL05209	SWB	EMPLACED_CNTR	6/17/2012 10:03	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			11/4/2005		11/4/2005					TRUE	FALSE	TRUE					
4143	FBL05210	SWB	EMPLACED_CNTR	9/20/2012 13:39	5/6/2012 10:43	mccabed	SR-W8B26-22JF-NET	SS300			11/4/2005		11/4/2005					TRUE	TRUE	TRUE					
4144	FBL06001	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/5/2005		10/5/2005		3/30/2006			TRUE	TRUE	TRUE					
4145	FBL06002	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/6/2005		10/6/2005		3/31/2006			TRUE	TRUE	TRUE					
4146	FBL06003	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/6/2005		10/6/2005		3/31/2006			TRUE	TRUE	TRUE					
4147	FBL06004	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			7/6/2005		7/6/2005		11/29/2005			TRUE	TRUE	TRUE					
4148	FBL06005	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/19/2005		10/19/2005		4/4/2006			TRUE	TRUE	TRUE					
4149	FBL06006	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/19/2005		10/19/2005		4/4/2006			TRUE	TRUE	TRUE					
4150	FBL06007	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/10/2005		10/10/2005		4/4/2006			TRUE	TRUE	TRUE					
4151	FBL06008	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/19/2005		10/19/2005		4/13/2006			TRUE	TRUE	TRUE					
4152	FBL06009	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/17/2005		10/17/2005		4/11/2006			TRUE	TRUE	TRUE					
4153	FBL06010	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/19/2005		10/19/2005		4/13/2006			TRUE	TRUE	TRUE					
4154	FBL06011	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			11/1/2005		11/1/2005		4/26/2006			TRUE	TRUE	TRUE					
4155	FBL06012	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/17/2005		10/17/2005		4/11/2006			TRUE	TRUE	TRUE					
4156	FBL06013	SSG	EMPLACED_CNTR	11/14/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/24/2005		10/24/2005		4/18/2006			TRUE	TRUE	TRUE					
4157	FBL06014	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			11/8/2005		11/8/2005		5/2/2006			TRUE	TRUE	TRUE					
4158	FBL06015	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-W026-22JF-NET	SS300			10/15/2005		10/15/2005		4/9/2006			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4159	FBL06016		SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 8:00	WWIS_Updt	SR-W026-221F-HET	55300			10/24/2005		10/24/2005		4/18/2006			TRUE	TRUE	TRUE					
4160	FBL06017		SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			11/8/2005		11/8/2005		5/3/2006			TRUE	TRUE	TRUE					
4161	FBL06018		SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			10/26/2005		10/26/2005		4/20/2006			TRUE	TRUE	TRUE					
4162	FBL06019		SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			10/26/2005		10/26/2005		4/20/2006			TRUE	TRUE	TRUE					
4163	FBL06020		SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			10/26/2005		10/26/2005		4/20/2006			TRUE	TRUE	TRUE					
4164	FBL06025		SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
4165	FBL06027		SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/19/2005		12/19/2005		6/13/2006			TRUE	TRUE	TRUE					
4166	FBL06028		SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
4167	FBL06035		SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		1	11/1/2005		11/1/2005		4/26/2006			TRUE	TRUE	TRUE					
4168	FBL06036		SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			11/15/2005		11/15/2005		5/10/2006			TRUE	TRUE	TRUE					
4169	FBL06037		SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/7/2005		12/7/2005		5/27/2006			TRUE	TRUE	TRUE					
4170	FBL06038		SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
4171	FBL06039		SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			2/1/2006		2/1/2006		7/27/2006			TRUE	TRUE	TRUE					
4172	FBL06052		SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			10/31/2005		10/31/2005		4/25/2006			TRUE	TRUE	TRUE					
4173	FBL06054		SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
4174	FBL06055		SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			3/15/2006		3/15/2006		9/7/2006			TRUE	TRUE	TRUE					
4175	FBL06056		SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
4176	FBL06057		SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300			1/18/2006		1/18/2006		7/13/2006			TRUE	TRUE	TRUE					
4177	FBL06201		SWB	EMPLACED_CNTR	6/17/2012 10:02	5/6/2012 10:43	mccabed	SR-W026-221F-HET	55300			11/4/2005		11/4/2005					TRUE	FALSE	TRUE					
4178	FBL06202		SWB	EMPLACED_CNTR	7/7/2012 10:34	5/6/2012 10:43	mccabed	SR-W026-221F-HET	55300			11/4/2005		11/4/2005					TRUE	FALSE	TRUE					
4179	FBL06203		SWB	APPROVED_CERT		5/6/2012 10:43	mccabed	SR-W026-221F-HET	55300			1/12/2006		1/12/2006					TRUE	FALSE	TRUE					
4180	FBL990075		SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	4/18/2000	4/18/2000	4/18/2000	3/12/2004	10/11/2000			TRUE	TRUE	TRUE					
4181	FBL990077		SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	4/18/2000	4/18/2000	4/18/2000	3/14/2004	10/11/2000			TRUE	TRUE	TRUE					
4182	FBL991110		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	V&P Vent	0	1/23/2003	1/23/2003	1/23/2003	3/20/2004	7/18/2003			TRUE	TRUE	TRUE					
4183	FBLBOX3405		SLB2	EMPLACED_CNTR	10/19/2012 12:43	2/21/2012 18:03	mccabed	SR-W026-221F-HET	55300	Vent	0	7/19/2010		7/19/2010	2/13/2012				TRUE	TRUE	TRUE					
4184	FBLBOX3406		SLB2	EMPLACED_CNTR	1/30/2012 15:17	4/28/2011 6:00	mccabed	SR-W026-221F-HET	55300	Vent	0	7/19/2010		7/19/2010	4/14/2011	1/11/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
4185	FBLBOX3509		SLB2	APPROVED_CERT		9/24/2011 9:29	mccabed	SR-W026-221F-HET	55300		0	8/2/2011		8/2/2011	8/2/2011		Parent generation date: 11/17/2006.		TRUE	TRUE	TRUE					
4186	FBLBOX3514		SLB2	EMPLACED_CNTR	8/27/2013 13:27	7/16/2012 9:23	mccabed	SR-W026-221F-HET	55300		0	12/5/2011		12/5/2011	3/23/2012		Updated per JBiedscheid 071312.	- Rpkgd was FBLBOX3504	TRUE	TRUE	TRUE			FBLBOX3504		NA
4187	FBLBOX3515		SLB2	EMPLACED_CNTR	6/26/2013 10:40	7/16/2012 9:24	mccabed	SR-W026-221F-HET	55300		0	12/7/2011		12/7/2011	6/20/2012		Updated per JBiedscheid 071312.	- Rpkgd was FBLBOX3512	TRUE	TRUE	TRUE			FBLBOX3512		Repack
4188	FBLBOX3516		SLB2	EMPLACED_CNTR	8/18/2013 12:53	8/27/2012 18:09	mccabed	SR-W026-221F-HET	55300		0	12/8/2011		12/8/2011	7/24/2012		Filter reconfiguration date: 7/24/2012; Reduced filter model: NFT-013.	- Rpkgd was FBLBOX3503	TRUE	TRUE	TRUE			FBLBOX3503		Repack
4189	FBLBOX3517		SLB2	EMPLACED_CNTR	8/25/2013 13:09	7/16/2012 9:36	mccabed	SR-W026-221F-HET	55300		0	12/9/2011		12/9/2011	6/20/2012		Updated per JBiedscheid 071312.	- Rpkgd was FBLBOX3510	TRUE	TRUE	TRUE			FBLBOX3510		Repack
4190	FBLBOX3520		SLB2	EMPLACED_CNTR	12/11/2013 10:52	7/24/2012 16:25	mccabed	SR-W026-221F-HET	55300		0	12/2/2011		12/2/2011	3/23/2012		Updated vendate1 per JBiedscheid email 072412.	- Rpkgd was FBLBOX3508	TRUE	TRUE	TRUE			FBLBOX3508		Repack
4191	FBLBOX3601		SLB2	EMPLACED_CNTR	8/14/2012 13:56	7/25/2011 21:29	mccabed	SR-W026-221F-HET	55300			3/14/2011		3/14/2011	3/14/2011			Rpkgd Was FBLBOX36	TRUE	TRUE	TRUE			FBLBOX36		Repack
4192	FBLBOX3603		SWB	EMPLACED_CNTR	10/30/2011 15:02	4/28/2011 6:00	morrisj	SR-W026-221F-HET	55300			8/22/2006	3/15/2011	8/22/2006	3/15/2011			Rpkgd Was FBLBOX36	TRUE	TRUE	TRUE			FBLBOX36		Repack
4193	FBLBOX3604		SWB	EMPLACED_CNTR	10/30/2011 15:02	4/28/2011 6:00	morrisj	SR-W026-221F-HET	55300			8/22/2006	3/15/2011	8/22/2006	3/15/2011			Rpkgd Was FBLBOX36	TRUE	TRUE	TRUE			FBLBOX36		Repack
4194	FBLBOX3701		SLB2	APPROVED_CERT		7/16/2012 9:38	mccabed	SR-W026-221F-HET	55300		0	10/13/2006		10/13/2006	6/20/2012		Updated per JBiedscheid 071312.		TRUE	TRUE	TRUE					
4195	FBLBOX3702		SLB2	EMPLACED_CNTR	7/29/2012 10:32	9/26/2011 9:28	mccabed	SR-W026-221F-HET	55300		0	10/13/2006		10/13/2006	9/15/2011		Filter Reduction Date: 9/15/2011; Reduced Filter Model: NFT-013.		TRUE	TRUE	TRUE					
4196	FBLBOX3703		SLB2	EMPLACED_CNTR	7/8/2012 13:52	7/25/2011 20:53	mccabed	SR-W026-221F-HET	55300	None	0	10/13/2006		10/13/2006	10/13/2006				TRUE	TRUE	TRUE					
4197	FBLBOX3802		SLB2	EMPLACED_CNTR	10/19/2012 13:22	7/25/2011 21:21	mccabed	SR-W026-221F-HET	55300		0	10/11/2006		10/11/2006	10/11/2006				TRUE	TRUE	TRUE					
4198	FBLBOX3803		SLB2	EMPLACED_CNTR	7/15/2013 3:06	7/26/2011 8:22	mccabed	SR-W026-221F-HET	55300		0	10/11/2006		10/11/2006	10/11/2006				TRUE	TRUE	TRUE					
4199	FBLBOX3804		SWB	EMPLACED_CNTR	5/8/2012 12:37	12/6/2011 17:25	mccabed	SR-W026-221F-HET	55300	Vent	0	8/9/2011		8/9/2011	11/4/2011			- Rpkgd was FBLBOX3801	TRUE	TRUE	TRUE			FBLBOX3801		Repack
4200	FBLBOX3805		SWB	EMPLACED_CNTR	6/17/2012 10:44	12/6/2011 17:25	mccabed	SR-W026-221F-HET	55300	Vent	0	8/9/2011		8/9/2011	11/4/2011			- Rpkgd was FBLBOX3801	TRUE	TRUE	TRUE			FBLBOX3801		Repack
4201	FBLBOX3806		SSG	EMPLACED_CNTR	5/30/2012 8:58	11/17/2011 16:18	mccabed	SR-W026-221F-HET	55300	Remediation	0	8/9/2011	11/14/2011	8/9/2011	11/14/2011			- Rpkgd was FBLBOX3801	TRUE	TRUE	TRUE			FBLBOX3801		Repack
4202	FBLBOX3807		SSG	EMPLACED_CNTR	12/15/2012 10:54	8/19/2012 14:32	mccabed	SR-W026-221F-HET	55300	Remediation	0	8/9/2011	8/13/2012	11/14/2011	8/13/2012		221-F-55006 Tru Drum Repackaging.		TRUE	TRUE	TRUE					
4203	SR234751		SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	2/16/1990		8/9/1996		2/1/1997				TRUE					
4204	SR234753		SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			2/16/1990									TRUE					
4205	SR234764		SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300	Remediate	1	2/22/1990	12/1/2003	2/22/1990	12/1/2003	8/17/1990			TRUE	TRUE	TRUE					
4206	SR234768		SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	2/23/1990		2/23/1990		8/18/1990			TRUE	TRUE	TRUE					
4207	SR234771		SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			2/23/1990									TRUE					
4208	SR234772		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			2/24/1990									TRUE					
4209	SR234781		SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	2/28/1990		5/21/1997		11/13/1997			TRUE	TRUE	TRUE					
4210	SR234782		SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	2/28/1990		7/23/1996		1/15/1997			TRUE	TRUE	TRUE					
4211	SR234788		SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	2/28/1990		5/21/1997		11/13/1997			TRUE	TRUE	TRUE					
4212	SR234792		SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			2/28/1990									TRUE					
4213	SR234793		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/5/1990									TRUE					
4214	SR234799		SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/1/1990									TRUE					
4215	SR234803		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/8/1990									TRUE					
4216	SR234807		SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	3/15/1990		7/3/1996		12/26/1996			TRUE	TRUE	TRUE					
4217	SR234808		SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	3/15/1990		7/9/1996		1/1/1997			TRUE	TRUE	TRUE					
4218	SR234812		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/16/1990									TRUE					
4219	SR234816		SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/22/1990									TRUE					
4220	SR234817		SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/22/1990									TRUE					
4221	SR234818		SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	3/22/1990		3/22/1990		9/14/1990			TRUE	TRUE	TRUE					
4222	SR234821		SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/22/1990									TRUE					
4223	SR234830		SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/2/1990									TRUE					
4224	SR234836		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/26/1990									TRUE					
4225	SR234839		SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	3/27/1990		3/27/1990		9/19/1990			TRUE	TRUE	TRUE					
4226	SR234841		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/2/1990									TRUE					
4227	SR234842		SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/27/1990									TRUE					
4228	SR234844		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/26/1990									TRUE					
4229	SR234848		SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/28/1990									TRUE					
4230	SR234852		SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/28/1990									TRUE					
4231	SR234854		SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/28/1990									TRUE					
4232	SR234857		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/30/1990									TRUE					
4233	SR234858		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			3/30/1990									TRUE					
4234	SR234862		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/1/1990									TRUE					
4235	SR234866		SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/4/1990									TRUE					
4236	SR234867		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/4/1990									TRUE					
4237	SR234868		SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/5/1990									TRUE					
4238	SR234869		SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/3/1990									TRUE					
4239	SR234870		SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/16/1990									TRUE					
4240	SR234871		SSG	EMPLACED_CNTR	3/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	4/4/1990		4/4/1990		9/27/1990			TRUE	TRUE	TRUE					
4241	SR234873		SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/4/1990									TRUE					
4242	SR234874		SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	55300		0	4/4/1990		4/4/1990		9/27/1990			TRUE	TRUE	TRUE					
4243	SR234875		SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	55300			4/5/1990									TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4244	SR234877	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/5/1990		6/20/1996		12/13/1996			TRUE	TRUE	TRUE					
4245	SR234881	SSG	EMPLACED_CNTR	9/19/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/4/1990									TRUE					
4246	SR234882	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/5/1990							TRUE	TRUE	TRUE					
4247	SR234886	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		U	4/4/1990		4/4/1990		3/27/1990					TRUE					
4248	SR234888	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4249	SR234899	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/11/1990							TRUE	TRUE	TRUE					
4250	SR234890	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300	Remediate	1	4/12/1990	11/11/2006	8/5/1996	11/11/2006	1/28/1997					TRUE					
4251	SR234891	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4252	SR234892	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4253	SR234893	SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/12/1990		7/9/1996		1/1/1997			TRUE	TRUE	TRUE					
4254	SR234894	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300	Remediate	1	4/12/1990	1/23/2004	9/24/1996	1/23/2004	3/19/1997					TRUE					
4255	SR234896	SSG	EMPLACED_CNTR	9/28/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4256	SR234897	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4257	SR234898	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/12/1990									TRUE					
4258	SR234900	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/11/1990									TRUE					
4259	SR234902	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300	Remediate	1	4/12/1990	1/23/2004	10/24/1996	1/23/2004	4/18/1997					TRUE					
4260	SR234903	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/16/1990									TRUE					
4261	SR234905	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/18/1990		9/16/1996		1/11/1997					TRUE					
4262	SR234906	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/18/1990		7/15/1996		1/7/1997					TRUE					
4263	SR234907	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/18/1990									TRUE					
4264	SR234910	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/18/1990									TRUE					
4265	SR234911	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/18/1990		8/9/1996		2/1/1997			TRUE	TRUE	TRUE					
4266	SR234912	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/18/1990		8/14/1996		2/6/1997			TRUE	TRUE	TRUE					
4267	SR234916	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/18/1990									TRUE					
4268	SR234917	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/18/1990									TRUE					
4269	SR234921	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/23/1990									TRUE					
4270	SR234922	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/23/1990									TRUE					
4271	SR234923	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/23/1990		9/26/1996		1/21/1997					TRUE					
4272	SR234924	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/23/1990									TRUE					
4273	SR234925	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/23/1990		10/10/1996		4/4/1997					TRUE					
4274	SR234926	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/23/1990									TRUE					
4275	SR234928	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/26/1990									TRUE					
4276	SR234930	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			4/26/1990									TRUE					
4277	SR234932	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/1/1990									TRUE					
4278	SR234935	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/2/1990		4/9/1997		10/7/1997			TRUE	TRUE	TRUE					
4279	SR234938	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/30/1990		9/24/1996		3/19/1997			TRUE	TRUE	TRUE					
4280	SR234941	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/2/1990									TRUE					
4281	SR234942	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/2/1990									TRUE					
4282	SR234950	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/8/1990									TRUE					
4283	SR234952	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/2/1990									TRUE					
4284	SR234955	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/2/1990									TRUE					
4285	SR234957	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/7/1990									TRUE					
4286	SR234959	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/8/1990									TRUE					
4287	SR234963	SSG	EMPLACED_CNTR	6/13/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/8/1990									TRUE					
4288	SR234964	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/7/1990									TRUE					
4289	SR234966	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/10/1990									TRUE					
4290	SR234972	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/7/1990		6/18/1996		12/12/1996			TRUE	TRUE	TRUE					
4291	SR234978	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/9/1990		5/9/1990		11/1/1990			TRUE	TRUE	TRUE					
4292	SR234979	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/9/1990		9/24/1996		3/19/1997					TRUE					
4293	SR234984	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/14/1990									TRUE					
4294	SR234991	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/14/1990									TRUE					
4295	SR234994	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/14/1990		5/29/1997		11/21/1997					TRUE					
4296	SR234997	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/14/1990									TRUE					
4297	SR234998	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/14/1990									TRUE					
4298	SR235000	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/14/1990		6/19/1996		12/12/1996			TRUE	TRUE	TRUE					
4299	SR235002	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/21/1990		7/1/1996		12/26/1996			TRUE	TRUE	TRUE					
4300	SR235006	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/21/1990									TRUE					
4301	SR235010	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/21/1990									TRUE					
4302	SR235013	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/22/1990									TRUE					
4303	SR235024	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	5/25/1990		6/21/1996		12/14/1996					TRUE					
4304	SR235030	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			5/29/1990									TRUE					
4305	SR235032	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/1/1990									TRUE					
4306	SR235035	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/11/1990									TRUE					
4307	SR235038	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		6/7/1990		11/30/1990			TRUE	TRUE	TRUE					
4308	SR235042	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		6/7/1990		11/30/1990			TRUE	TRUE	TRUE					
4309	SR235043	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		10/9/1996		4/3/1997					TRUE					
4310	SR235045	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/7/1990									TRUE					
4311	SR235046	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		6/7/1990		11/30/1990					TRUE					
4312	SR235048	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/7/1990									TRUE					
4313	SR235050	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		6/7/1990		11/30/1990			TRUE	TRUE	TRUE					
4314	SR235054	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/7/1990		6/7/1990		11/30/1990					TRUE					
4315	SR235055	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/7/1990									TRUE					
4316	SR235056	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/12/1990									TRUE					
4317	SR235057	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	4/26/1990		4/26/1990		10/19/1990					TRUE					
4318	SR235080	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/13/1990									TRUE					
4319	SR235062	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/12/1990		6/12/1990		12/5/1990			TRUE	TRUE	TRUE					
4320	SR235064	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300	Remediate	1	6/12/1990	6/8/2006	6/12/1990	6/8/2006	12/5/1990			-	-	TRUE					
4321	SR235070	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/12/1990									TRUE					
4322	SR235071	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/12/1990									TRUE					
4323	SR235074	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/12/1990									TRUE					
4324	SR235085	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/13/1990									TRUE					
4325	SR235086	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/15/1990		6/15/1990		12/8/1990					TRUE					
4326	SR235089	SSG	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/18/1990									TRUE					
4327	SR235094	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/18/1990		6/18/1990		12/11/1990					TRUE					
4328	SR235103	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/26/1990									TRUE					
4329	SR235109	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/26/1990		6/26/1990		12/19/1990			TRUE	TRUE	TRUE					
4330	SR235112	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	SS300		0	6/26/1990		9/23/1996		3/18/1997					TRUE					
4331	SR235117	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WPPNET\morrisj	SR-W026-221F-HET	SS300			6/26/1990									TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4332	SR235121	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			6/28/1990									TRUE					
4333	SR235124	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	6/28/1990		9/24/1996		3/19/1997			TRUE	TRUE	TRUE					
4334	SR235127	55G	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			6/28/1990									TRUE					
4335	SR235132	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			6/29/1990									TRUE					
4336	SR235133	55G	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/3/1990									TRUE					
4337	SR235136	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	7/3/1990	2/5/2004	7/2/1990	2/5/2004	12/25/1990			TRUE	TRUE	TRUE					
4338	SR235137	55G	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/3/1990									TRUE					
4339	SR235140	55G	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/3/1990									TRUE					
4340	SR235146	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/3/1990									TRUE					
4341	SR235147	55G	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/3/1990									TRUE					
4342	SR235152	55G	EMPLACED_CNTR	5/15/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/9/1990									TRUE					
4343	SR235156	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	7/3/1990	11/8/2005	9/24/1996	11/8/2005	3/19/1997			TRUE	TRUE	TRUE					
4344	SR235160	55G	EMPLACED_CNTR	9/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/9/1990									TRUE					
4345	SR235161	55G	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/9/1990									TRUE					
4346	SR235164	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/9/1990		9/23/1996		3/18/1997			TRUE	TRUE	TRUE					
4347	SR235185	55G	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/9/1990		9/25/1996		3/20/1997			TRUE	TRUE	TRUE					
4348	SR235166	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/9/1990		9/26/1996		3/21/1997			TRUE	TRUE	TRUE					
4349	SR235167	55G	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/11/1990									TRUE					
4350	SR235168	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/11/1990									TRUE					
4351	SR235173	55G	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	7/11/1990	12/4/2005	9/24/1996	12/4/2005	3/19/1997			TRUE	TRUE	TRUE					
4352	SR235176	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/12/1990		9/24/1996		3/19/1997			TRUE	TRUE	TRUE					
4353	SR235177	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/17/1990		8/13/1996		2/5/1997			TRUE	TRUE	TRUE					
4354	SR235184	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/20/1990		7/20/1990		1/12/1991			TRUE	TRUE	TRUE					
4355	SR235187	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	7/20/1990	9/5/2003	9/25/1996	9/5/2003	3/20/1997			TRUE	TRUE	TRUE					
4356	SR235188	55G	EMPLACED_CNTR	3/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/20/1990		9/26/1996		3/21/1997			TRUE	TRUE	TRUE					
4357	SR235190	55G	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/23/1990		9/24/1996		3/19/1997			TRUE	TRUE	TRUE					
4358	SR235194	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/23/1990		9/26/1996		3/21/1997			TRUE	TRUE	TRUE					
4359	SR235195	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			7/23/1990									TRUE					
4360	SR235205	55G	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/27/1990		3/19/1997		9/11/1997			TRUE	TRUE	TRUE					
4361	SR235208	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	7/31/1990		9/20/1996		3/15/1997			TRUE	TRUE	TRUE					
4362	SR235212	55G	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	8/6/1990		7/24/1996		1/16/1997			TRUE	TRUE	TRUE					
4363	SR235214	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	8/6/1990		2/20/1997		9/15/1997			TRUE	TRUE	TRUE					
4364	SR235220	55G	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	8/6/1990		9/20/1996		3/15/1997			TRUE	TRUE	TRUE					
4365	SR235221	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			8/14/1990									TRUE					
4366	SR235227	55G	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			8/16/1990									TRUE					
4367	SR235228	55G	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	8/14/1990	11/11/2003	9/26/1996	11/11/2003	3/21/1997			TRUE	TRUE	TRUE					
4368	SR235231	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	8/21/1990		6/18/1996		12/11/1996			TRUE	TRUE	TRUE					
4369	SR235236	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			8/21/1990									TRUE					
4370	SR235238	55G	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			8/23/1990									TRUE					
4371	SR235240	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4372	SR235243	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4373	SR235245	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4374	SR235246	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4375	SR235250	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	9/4/1990		9/23/1996		3/18/1997			TRUE	TRUE	TRUE					
4376	SR235256	55G	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4377	SR235257	55G	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	9/4/1990		10/10/1996		4/4/1997			TRUE	TRUE	TRUE					
4378	SR235759	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4379	SR235760	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4380	SR235764	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	9/4/1990		7/2/1996		12/25/1996			TRUE	TRUE	TRUE					
4381	SR235765	55G	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	9/4/1990		9/26/1996		3/21/1997			TRUE	TRUE	TRUE					
4382	SR235766	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4383	SR235767	55G	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/4/1990									TRUE					
4384	SR235769	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/10/1990									TRUE					
4385	SR235773	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/10/1990									TRUE					
4386	SR235774	55G	EMPLACED_CNTR	9/30/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/10/1990									TRUE					
4387	SR235775	55G	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	9/10/1990	4/21/2006	8/7/1996	4/21/2006	1/30/1997			TRUE	TRUE	TRUE					
4388	SR235776	55G	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	9/20/1990		9/16/1996		3/11/1997			TRUE	TRUE	TRUE					
4389	SR235778	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			9/20/1990									TRUE					
4390	SR235788	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	Remediate	1	10/1/1990	10/31/2003	6/26/1996	10/31/2003	12/19/1996			TRUE	TRUE	TRUE					
4391	SR235793	55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/1/1990		7/25/1996		1/17/1997			TRUE	TRUE	TRUE					
4392	SR235794	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/1/1990		8/9/1996		2/1/1997			TRUE	TRUE	TRUE					
4393	SR235796	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/3/1990		9/11/1996		3/6/1997			TRUE	TRUE	TRUE					
4394	SR235798	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/3/1990		6/26/1996		12/19/1996			TRUE	TRUE	TRUE					
4395	SR235801	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			10/8/1990									TRUE					
4396	SR235807	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			10/15/1990									TRUE					
4397	SR235810	55G	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/15/1990		10/15/1990		4/9/1991			TRUE	TRUE	TRUE					
4398	SR235811	55G	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/15/1990		10/15/1990		4/9/1991			TRUE	TRUE	TRUE					
4399	SR235813	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/15/1990		10/15/1990		4/9/1991			TRUE	TRUE	TRUE					
4400	SR235817	55G	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			10/22/1990									TRUE					
4401	SR235820	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/22/1990		10/22/1990		4/16/1991			TRUE	TRUE	TRUE					
4402	SR235821	55G	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	10/25/1990		8/9/1996		2/1/1997			TRUE	TRUE	TRUE					
4403	SR235829	55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	11/5/1990		11/5/1990		4/30/1991			TRUE	TRUE	TRUE					
4404	SR235830	55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	11/5/1990		6/27/1996		12/20/1996			TRUE	TRUE	TRUE					
4405	SR235823	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/8/1990									TRUE					
4406	SR235836	55G	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/8/1990									TRUE					
4407	SR235843	55G	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/14/1990									TRUE					
4408	SR235844	55G	EMPLACED_CNTR	1/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300	V&P Vent	0	11/12/1990	11/12/1990	8/14/1996	10/24/2006	2/6/1997			TRUE	TRUE	TRUE					
4409	SR235845	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/13/1990									TRUE					
4410	SR235847	55G	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/13/1990									TRUE					
4411	SR235848	55G	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/13/1990									TRUE					
4412	SR235853	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	11/19/1990		8/19/1996		2/11/1997			TRUE	TRUE	TRUE					
4413	SR235854	55G	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/19/1990									TRUE					
4414	SR235855	55G	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	11/19/1990		11/19/1990		5/14/1991			TRUE	TRUE	TRUE					
4415	SR235856	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/19/1990									TRUE					
4416	SR235859	55G	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/19/1990									TRUE					
4417	SR235860	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/19/1990									TRUE					
4418	SR235861	55G	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-MET	55300			11/21/1990									TRUE					
4419	SR235864	55G			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-MET	55300		0	11/21/1990		6/26/1996		12/19/1996			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
																		TRUE	TRUE	TRUE					
4420	SR235866	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	11/27/1990		11/27/1990		5/22/1991					TRUE					
4421	SR235869	SSG	EMPLACED_CNTR	9/30/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			11/27/1990							TRUE	TRUE	TRUE					
4422	SR235884	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1990		9/23/1996		3/18/1997			TRUE	TRUE	TRUE					
4423	SR235889	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1990		6/27/1996		12/20/1996			TRUE	TRUE	TRUE					
4424	SR235891	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1990		6/26/1996		12/19/1996			TRUE	TRUE	TRUE					
4425	SR235892	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1990		8/8/1996		1/29/1997			TRUE	TRUE	TRUE					
4426	SR235895	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1990		8/5/1996		1/28/1997					TRUE					
4427	SR236996	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/9/1990							TRUE	TRUE	TRUE					
4428	SR238893	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	10/8/1991		10/8/1991		4/1/1992										
4429	SR325319	B25OP			12/14/2011 17:31	mccabed	SR-W026-221F-HET	SS300			3/6/1990	7/26/2011		7/26/2011			- Rpkgd into SR32531901 - Rpkgd into SR32531902 - Rpkgd into SR32531903 - Rpkgd into SR32531904 - Rpkgd into SR32531905	TRUE	FALSE	TRUE	NA				
4430	SR32531902	SSG	EMPLACED_CNTR	7/10/2012 10:45	5/8/2012 16:53	mccabed	SR-W026-221F-HET	SS300	Remediation		7/26/2011	4/30/2012	3/20/2012	4/30/2012		Remediated 3/20/2012 and 221-F-SS006 Tru Drum Repackaging performed on 4/30/2012	- Rpkgd was SR325319	TRUE	FALSE	TRUE	NA		SR325319		Daughter
4431	SR32531904	SSG	EMPLACED_CNTR	6/24/2012 13:24	2/24/2012 13:23	mccabed	SR-W026-221F-HET	SS300	Remediation		7/26/2011	10/17/2011	7/26/2011	10/17/2011		221F procedure received upon request from BSchrock 022412.	- Rpkgd was SR325319 - Rpkgd was SR325319	TRUE	FALSE	TRUE	NA		SR325319		Daughter
4432	SR32531905	SSG	EMPLACED_CNTR	11/4/2012 10:04	12/14/2011 17:31	mccabed	SR-W026-221F-HET	SS300			7/26/2011		7/26/2011							TRUE					
4433	SR326449	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/8/1991									TRUE					
4434	SR326452	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/8/1991									TRUE					
4435	SR326457	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/6/1991							TRUE	TRUE	TRUE					
4436	SR326461	SSG	EMPLACED_CNTR	8/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1		9/5/2003		9/5/2003						TRUE					
4437	SR326462	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/12/1991									TRUE					
4438	SR326464	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	2/12/1991		8/5/1996		1/28/1997			TRUE	TRUE	TRUE					
4439	SR326465	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	2/12/1991		7/1/1996		12/24/1996					TRUE					
4440	SR326472	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			2/22/1991									TRUE					
4441	SR326476	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			3/5/1991									TRUE					
4442	SR326478	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			3/14/1991									TRUE					
4443	SR326479	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			3/12/1991									TRUE					
4444	SR326480	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			3/8/1991									TRUE					
4445	SR326481	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/12/1991		3/12/1991		9/4/1991					TRUE					
4446	SR326489	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			3/13/1991									TRUE					
4447	SR326503	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/1/1991									TRUE					
4448	SR326505	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/1/1991									TRUE					
4449	SR326506	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/1/1991		4/1/1991		9/24/1991			TRUE	TRUE	TRUE					
4450	SR326507	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/3/1991		4/3/1991		9/26/1991			TRUE	TRUE	TRUE					
4451	SR326511	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/3/1991									TRUE					
4452	SR326512	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/3/1991		4/3/1991		9/28/1991					TRUE					
4453	SR326515	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/10/1991									TRUE					
4454	SR326516	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/10/1991							TRUE	TRUE	TRUE					
4455	SR326517	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/10/1991		4/10/1991		10/3/1991			TRUE	TRUE	TRUE					
4456	SR326518	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/17/1991		8/15/1996		2/7/1997					TRUE					
4457	SR326521	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/17/1991							TRUE	TRUE	TRUE					
4458	SR326522	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/11/1991		4/11/1991		10/4/1991					TRUE					
4459	SR326523	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/16/1991									TRUE					
4460	SR326526	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/24/1991									TRUE					
4461	SR326528	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/25/1991		8/19/1996		2/11/1997			TRUE	TRUE	TRUE					
4462	SR326532	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/30/1991		4/30/1991		10/23/1991			TRUE	TRUE	TRUE					
4463	SR326533	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/30/1991									TRUE					
4464	SR326539	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/9/1991		5/9/1991		11/1/1991			TRUE	TRUE	TRUE					
4465	SR326540	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	5/10/1991	3/21/2006	5/10/1991	3/21/2006	11/2/1991			TRUE	TRUE	TRUE					
4466	SR326540A	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	remediate	1		3/21/2006		3/21/2006						TRUE					
4467	SR326543	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			5/13/1991									TRUE					
4468	SR326545	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			5/13/1991									TRUE					
4469	SR326548	SSG		5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			5/20/1991									TRUE					
4470	SR326549	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/13/1991		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
4471	SR326550	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/20/1991		5/20/1991		11/12/1991					TRUE					
4472	SR326551	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			5/20/1991									TRUE					
4473	SR326552	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/20/1991		5/20/1991		11/12/1991			TRUE	TRUE	TRUE					
4474	SR326554	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/20/1991		5/20/1991		11/12/1991			TRUE	TRUE	TRUE					
4475	SR326557	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	5/29/1991		5/29/1991		11/21/1991					TRUE					
4476	SR326560	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			6/14/1991									TRUE					
4477	SR326561	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/27/1991		4/17/1991		10/20/1991			TRUE	TRUE	TRUE					
4478	SR326562	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	7/30/1991		9/20/1996		3/15/1997			TRUE	TRUE	TRUE					
4479	SR328879	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			8/13/1991									TRUE					
4480	SR328880	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/20/1991		8/20/1991		2/12/1992					TRUE					
4481	SR328881	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			8/20/1991							TRUE	TRUE	TRUE					
4482	SR328882	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/20/1991		9/20/1996		3/15/1997					TRUE					
4483	SR328885	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			8/16/1991									TRUE					
4484	SR328888	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			9/25/1991									TRUE					
4485	SR328889	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/25/1991		8/1/1996		1/24/1997			TRUE	TRUE	TRUE					
4486	SR328892	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			9/22/1991									TRUE					
4487	SR328897	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			10/18/1991									TRUE					
4488	SR328900	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			10/18/1991									TRUE					
4489	SR328901	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			11/5/1991									TRUE					
4490	SR328907	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	11/8/1991		11/8/1991		5/2/1992			TRUE	TRUE	TRUE					
4491	SR328909	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	11/14/1991		11/14/1991		5/8/1992					TRUE					
4492	SR328912	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			12/3/1991									TRUE					
4493	SR328913	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	12/3/1991	11/11/2006	7/31/1996	11/11/2006	1/23/1997			TRUE	TRUE	TRUE					
4494	SR328914	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	12/3/1991	9/6/2003	8/7/1996	9/6/2003	1/30/1997			TRUE	TRUE	TRUE					
4495	SR328915	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	12/3/1991		9/23/1996		3/18/1997					TRUE					
4496	SR328919	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			1/2/1992									TRUE					
4497	SR328920	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	1/2/1992		1/2/1992		5/26/1992			TRUE	TRUE	TRUE					
4498	SR328921	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	1/2/1992		9/19/1996		3/14/1997					TRUE					
4499	SR328922	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			1/2/1992									TRUE					
4500	SR328923	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			1/2/1992									TRUE					
4501	SR328928	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/30/1992		7/30/1996		1/22/1997					TRUE					
4502	SR328929	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	SS300			4/30/1992									TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4503	SR328932	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			5/5/1992									TRUE					
4504	SR328935	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	4/30/1992		8/6/1996		1/29/1997			TRUE	TRUE	TRUE					
4505	SR328936	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300	Remediate	1	5/4/1992	12/3/2004	9/20/1996	12/3/2004	9/15/1997			TRUE	TRUE	TRUE					
4506	SR328937	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			5/4/1992									TRUE					
4507	SR328938	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			5/4/1992									TRUE					
4508	SR328945	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	5/4/1992		8/12/1996		2/4/1997			TRUE	TRUE	TRUE					
4509	SR328946	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	5/4/1992		8/12/1996		2/4/1997			TRUE	TRUE	TRUE					
4510	SR328947	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	5/14/1992		7/16/1996		1/8/1997			TRUE	TRUE	TRUE					
4511	SR328951	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/5/1992		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
4512	SR328954	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	6/24/1992		7/16/1996		1/8/1997			TRUE	TRUE	TRUE					
4513	SR328955	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			7/13/1992									TRUE					
4514	SR328957	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	7/13/1992		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
4515	SR328962	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			8/3/1992									TRUE					
4516	SR328963	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	8/3/1992		7/18/1996		1/10/1997			TRUE	TRUE	TRUE					
4517	SR328964	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	8/3/1992		8/3/1992		1/26/1993			TRUE	TRUE	TRUE					
4518	SR328965	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			8/3/1992									TRUE					
4519	SR328967	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			8/3/1992									TRUE					
4520	SR329009	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/7/1990		7/9/1996		1/1/1997			TRUE	TRUE	TRUE					
4521	SR329013	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/13/1990									TRUE					
4522	SR329016	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/17/1990									TRUE					
4523	SR329018	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/19/1990		12/19/1990		6/13/1991			TRUE	TRUE	TRUE					
4524	SR329019	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/17/1990		11/4/1996		4/29/1997			TRUE	TRUE	TRUE					
4525	SR329021	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/17/1990		12/17/1990		6/13/1991			TRUE	TRUE	TRUE					
4526	SR329022	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/17/1990		5/19/1997		11/11/1997			TRUE	TRUE	TRUE					
4527	SR329023	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/17/1990		12/17/1990		6/11/1991			TRUE	TRUE	TRUE					
4528	SR329024	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/17/1990									TRUE					
4529	SR329025	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/17/1990									TRUE					
4530	SR329028	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		12/26/1990		6/20/1991			TRUE	TRUE	TRUE					
4531	SR329030	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		6/24/1996		12/19/1996			TRUE	TRUE	TRUE					
4532	SR329031	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/26/1990									TRUE					
4533	SR329033	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300	Remediate	1	12/26/1990	8/11/2008	11/5/1996	8/11/2008	4/30/1997			TRUE	TRUE	TRUE					
4534	SR329035	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		6/25/1996		12/18/1996			TRUE	TRUE	TRUE					
4535	SR329036	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		12/26/1990		6/20/1991			TRUE	TRUE	TRUE					
4536	SR329038	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			12/26/1990									TRUE					
4537	SR329039	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		12/26/1990		6/20/1991			TRUE	TRUE	TRUE					
4538	SR329043	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	12/26/1990		5/20/1997		11/12/1997			TRUE	TRUE	TRUE					
4539	SR329046	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4540	SR329049	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4541	SR329050	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/3/1991		1/3/1991		6/28/1991			TRUE	TRUE	TRUE					
4542	SR329052	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4543	SR329055	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4544	SR329056	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4545	SR329057	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/3/1991									TRUE					
4546	SR329059	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/7/1991		1/7/1991		7/2/1991			TRUE	TRUE	TRUE					
4547	SR329063	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/7/1991									TRUE					
4548	SR329066	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/11/1991									TRUE					
4549	SR329067	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/11/1991									TRUE					
4550	SR329069	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/11/1991									TRUE					
4551	SR329071	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4552	SR329072	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/16/1991									TRUE					
4553	SR329073	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/16/1991									TRUE					
4554	SR329074	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/16/1991		1/16/1991		7/11/1991			TRUE	TRUE	TRUE					
4555	SR329075	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/16/1991		1/16/1991		7/11/1991			TRUE	TRUE	TRUE					
4556	SR329079	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/17/1991		8/6/1996		1/29/1997			TRUE	TRUE	TRUE					
4557	SR329082	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/17/1991		8/7/1996		1/30/1997			TRUE	TRUE	TRUE					
4558	SR329084	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/17/1991									TRUE					
4559	SR329086	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/21/1991		8/15/1996		2/7/1997			TRUE	TRUE	TRUE					
4560	SR329088	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/21/1991		6/24/1996		12/19/1996			TRUE	TRUE	TRUE					
4561	SR329089	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/23/1991									TRUE					
4562	SR329093	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300	Remediate	1	1/23/1991	5/22/2008	1/23/1991	5/22/2008	7/18/1991			TRUE	TRUE	TRUE					
4563	SR329094	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	1/25/1991		6/26/1996		12/19/1996			TRUE	TRUE	TRUE					
4564	SR329096	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/31/1991									TRUE					
4565	SR329097	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-MET	SS300			1/31/1991									TRUE					
4566	SR41005201	SLB2	EMPLACED_CNTR	3/30/2012 15:17	8/17/2011 13:36	mccabed	SR-WD26-221F-MET	SS300			3/24/2011		3/24/2011	8/11/2011		Filter Reduction Date: 8/11/2011; Reduced Filter Model: NFT-013 Exclude as LLW per NCR-SRS3682110; Added back per Bschrock email 071712.	Rpkgd Was SR410052 - Rpkgd was SR41005202	TRUE	TRUE	TRUE		SR410052 SR41005202		SR410052	Repack Repack
4567	SR41005203	SSG			7/18/2012 9:00	mccabed	SR-WD26-221F-MET	SS300	Remediation		8/30/2011	9/13/2011	8/30/2011	9/13/2011				TRUE	TRUE	TRUE					
4568	SR544772	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300		0	7/22/1996		8/11/1997		12/4/1997			TRUE	TRUE	TRUE					
4569	SR55680101	SWB	EMPLACED_CNTR	11/8/2010 21:48	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-MET	SS300	Filter Vent	0	5/7/2010		5/7/2010	10/11/2010	10/30/2010			TRUE	TRUE	TRUE					
4570	SR55680102	SWB	EMPLACED_CNTR	9/15/2010 22:25	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4571	SR55680103	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4572	SR55680104	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4573	SR55680105	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4574	SR55680106	SWB	EMPLACED_CNTR	9/7/2010 22:02	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4575	SR55680107	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4576	SR55680110	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4577	SR55680111	SWB	EMPLACED_CNTR	9/7/2010 22:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4578	SR55680112	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4579	SR55680113	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4580	SR55680114	SWB	EMPLACED_CNTR	9/11/2010 11:01	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4581	SR55680115	SWB	EMPLACED_CNTR	9/8/2010 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4582	SR55680116	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4583	SR55680117	SWB	EMPLACED_CNTR	9/8/2010 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4584	SR55680118	SWB	EMPLACED_CNTR	2/10/2011 13:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4585	SR55680119	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4586	SR55680120	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-MET	SS300		0	5/7/2010		5/7/2010		10/30/2010			TRUE	TRUE	TRUE					
4587	SR55680204	SWB	EMPLACED_CNTR	11/2/2011 22:16	4/28/2011 6:00	klcweibuser	SR-WD26-221F-MET	SS300		0	3/29/2010		3/29/2010		9/1/2010			TRUE	TRUE	TRUE					
4588	SR55680205	SWB	EMPLACED_CNTR	11/2/2011 22:22	4/28/2011 6:00	klcweibuser	SR-WD26-221F-MET	SS300		0	3/29/2010		3/29/2010		9/21/2010			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4589	SR556680207	SWB	EMPLACED_CNTR	9/9/2010 20:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/29/2010		3/29/2010		9/21/2010			TRUE	TRUE	TRUE					
4590	SR556680209	SWB	EMPLACED_CNTR	1/25/2012 12:56	9/26/2011 8:58	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	3/29/2010	9/21/2011	3/29/2010	9/21/2011				TRUE	TRUE	TRUE					
4591	SR556680211	SWB	EMPLACED_CNTR	1/26/2010 22:16	4/28/2011 6:00	WWIS_Updt	SR-WQ26-221F-HET	SS300	Filter Vent	0	3/31/2010		3/31/2010	10/21/2010	9/23/2010			TRUE	TRUE	TRUE					
4592	SR556680214	SWB	EMPLACED_CNTR	10/4/2010 20:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/31/2010		3/31/2010		9/23/2010			TRUE	TRUE	TRUE					
4593	SR556680215	SWB	EMPLACED_CNTR	9/9/2010 20:40	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/31/2010		3/31/2010		9/23/2010			TRUE	TRUE	TRUE					
4594	SR556680216	SWB	EMPLACED_CNTR	12/20/2011 12:48	7/21/2011 9:31	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	3/31/2010	7/14/2011	3/31/2010	7/14/2011			- Rpkgd into SR556680226 - Rpkgd into SR556680227	TRUE	TRUE	TRUE					
4595	SR556680217	SWB	EMPLACED_CNTR	9/22/2010 19:07	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/31/2010		3/31/2010		9/23/2010			TRUE	TRUE	TRUE					
4596	SR556680220	SSG	EMPLACED_CNTR	11/3/2011 23:21	4/28/2011 6:00	idcwebuser	SR-WQ26-221F-HET	SS300		0	3/31/2010		3/31/2010		9/23/2010			TRUE	TRUE	TRUE					
4597	SR556680222	SSG	EMPLACED_CNTR	6/24/2012 13:25	5/24/2011 15:50	mccabed	SR-WQ26-221F-HET	SS300	Remediation		3/29/2010	5/18/2011	3/29/2010	5/18/2011			- Rpkgd Was SR556680210	TRUE	TRUE	TRUE			SR556680210		Repack
4598	SR556680226	SSG	EMPLACED_CNTR	4/4/2013 15:25	6/3/2012 8:09	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	7/14/2011	11/5/2011	7/14/2011	11/5/2011			- Rpkgd was SR556680216 - Rpkgd into SR556680228 - Rpkgd into SR556680230	TRUE	TRUE	TRUE			SR556680216		Daughter
4599	SR556680227	SSG	EMPLACED_CNTR	4/11/2012 15:02	8/8/2011 10:48	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	7/14/2011	8/2/2011	7/14/2011	8/2/2011			- Rpkgd was SR556680216	TRUE	TRUE	TRUE			SR556680226	SR556680216	Daughter
4600	SR556680228	SSG	EMPLACED_CNTR	5/30/2012 8:58	8/8/2011 10:18	mccabed	SR-WQ26-221F-HET	SS300	None	0	8/2/2011		8/2/2011				- Rpkgd was SR556680226	TRUE	TRUE	TRUE			SR556680218		Daughter
4601	SR556680229	SSG	EMPLACED_CNTR	5/11/2012 14:42	9/19/2011 16:34	mccabed	SR-WQ26-221F-HET	SS300	None	0	9/10/2011		9/10/2011				- Rpkgd was SR556680218	TRUE	TRUE	TRUE					Daughter
4602	SR556680301	SLB2	EMPLACED_CNTR	4/27/2012 15:14	7/25/2011 21:11	mccabed	SR-WQ26-221F-HET	SS300		0	2/4/2010		2/4/2010	6/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable#Filter Reduction Date: 6/16/2011#Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	12/14/2009			
4603	SR556680302	SLB2	EMPLACED_CNTR	4/4/2012 15:23	5/17/2011 19:11	mccabed	SR-WQ26-221F-HET	SS300		0	2/4/2010		2/4/2010	5/4/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	12/14/2009			
4604	SR556680303	SLB2	APPROVED_CERT		2/21/2012 18:06	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	2/4/2010		2/4/2010	2/13/2012		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	12/14/2009			
4605	SR556680305	SLB2	EMPLACED_CNTR	12/5/2012 14:29	6/13/2012 22:38	mccabed	SR-WQ26-221F-HET	SS300		0	2/4/2010		2/4/2010	6/13/2012		PCB Waste PCB Bulk Product Waste - Non Leachable. Filter reconfiguration date: 6/12/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE	Yes	12/14/2009			
4606	SR556680307	SLB2	EMPLACED_CNTR	8/19/2012 9:33	5/1/2012 19:47	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	3/1/2012		3/1/2012	4/13/2012		Changed to Non-PCB/E-mail J.Price 10/3/11; updated per JBiedsched email 050112. Filter reconfiguration date: 4/13/12, Reduced filter model NFT-013	- Rpkgd into SR556680311	TRUE	TRUE	TRUE	NA				
4607	SR556680309	SWB	EMPLACED_CNTR	12/16/2011 10:38	9/26/2011 8:56	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	1/3/2011	9/19/2011	1/3/2011	9/19/2011		Repackaged from SR556680308; Changed to Non-PCB/E-mail J. Price 9/12/11	- Rpkgd into SR556680316 - Rpkgd into SR556680317	TRUE	TRUE	TRUE	NA				
4608	SR556680310	SWB	EMPLACED_CNTR	11/2/2011 21:43	4/28/2011 6:00	idcwebuser	SR-WQ26-221F-HET	SS300		0	1/3/2011		1/3/2011	6/28/2011		Repackaged from SR556680308 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	12/14/2009			
4609	SR556680316	SSG	EMPLACED_CNTR	4/11/2012 15:02	11/3/2011 15:29	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	9/19/2011	9/27/2011	9/19/2011	9/27/2011		Changed to Non-PCB/E-mail J.Price 9/12/11	- Rpkgd was SR556680309	TRUE	TRUE	TRUE	NA		SR556680309		Daughter
4610	SR556680317	SSG	EMPLACED_CNTR	1/11/2012 9:41	11/3/2011 15:30	mccabed	SR-WQ26-221F-HET	SS300	Remediation	0	9/19/2011	9/26/2011	9/19/2011	9/26/2011		Changed to Non-PCB/E-mail J.Price 9/12/11	- Rpkgd was SR556680309	TRUE	TRUE	TRUE	NA		SR556680309		Daughter
4611	SR556680401	SLB2	EMPLACED_CNTR	5/19/2012 10:54	10/19/2011 18:37	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	1/23/2010		1/23/2010	6/23/2011		Changed to Non-PCB per N. Lowry 6/27/11		TRUE	TRUE	TRUE	NA				
4612	SR556680403	SLB2	EMPLACED_CNTR	6/2/2012 10:40	10/19/2011 18:38	mccabed	SR-WQ26-221F-HET	SS300		0	1/23/2010		1/23/2010	5/4/2011		Changed to Non-PCB per N. Lowry 6/27/11		TRUE	TRUE	TRUE	NA				
4613	SR556680404	SLB2	APPROVED_CERT		10/19/2011 18:39	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	1/23/2010		1/23/2010	6/16/2011		Changed to Non-PCB per N. Lowry 6/27/11#Filter Reduction Date: 6/16/2011#Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	NA				
4614	SR556680405	SLB2	APPROVED_CERT		2/21/2012 18:07	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	1/23/2010		1/23/2010	7/13/2012		Changed to Non-PCB per N. Lowry 6/27/11		TRUE	TRUE	TRUE	NA				
4615	SR556680406	SLB2	EMPLACED_CNTR	3/18/2012 16:04	10/19/2011 18:45	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	1/23/2010		1/23/2010	4/14/2011		Changed to Non-PCB per N. Lowry 6/27/11		TRUE	TRUE	TRUE	NA				
4616	SR556680407	SLB2	APPROVED_CERT		2/21/2012 18:08	mccabed	SR-WQ26-221F-HET	SS300	Vent	0	1/23/2010		1/23/2010	2/13/2012		Changed to Non-PCB per N. Lowry 6/27/11		TRUE	TRUE	TRUE					
4617	SR556680501	SWB	EMPLACED_CNTR	4/11/2011 22:45	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4618	SR556680502	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4619	SR556680503	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4620	SR556680504	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4621	SR556680505	SWB	EMPLACED_CNTR	9/15/2010 21:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4622	SR556680506	SWB	EMPLACED_CNTR	2/24/2012 14:52	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
4623	SR556680507	SWB	EMPLACED_CNTR	11/8/2010 21:48	4/28/2011 6:00	WWIS_Updt	SR-WQ26-221F-HET	SS300	Filter Vent	0	3/9/2010		3/9/2010	10/21/2010	9/1/2010			TRUE	TRUE	TRUE					
4624	SR556680508	SWB	EMPLACED_CNTR	4/21/2012 14:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4625	SR556680509	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4626	SR556680510	SWB	EMPLACED_CNTR	2/22/2011 22:10	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4627	SR556680511	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4628	SR556680512	SWB	EMPLACED_CNTR	2/22/2011 19:43	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4629	SR556680513	SWB	EMPLACED_CNTR	10/27/2010 19:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4630	SR556680514	SWB	EMPLACED_CNTR	4/13/2011 22:45	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4631	SR556680515	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4632	SR556680516	SWB	EMPLACED_CNTR	11/2/2011 22:23	4/28/2011 6:00	idcwebuser	SR-WQ26-221F-HET	SS300		0	3/9/2010		3/9/2010		9/1/2010			TRUE	TRUE	TRUE					
4633	SR556680517	SWB	EMPLACED_CNTR	9/22/2010 19:08	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4634	SR556680518	SWB	EMPLACED_CNTR	2/22/2012 14:53	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4635	SR556680519	SWB	EMPLACED_CNTR	10/19/2010 22:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4636	SR556680520	SWB	EMPLACED_CNTR	10/4/2010 19:15	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4637	SR556680521	SWB	EMPLACED_CNTR	9/15/2010 22:21	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4638	SR556680522	SWB	EMPLACED_CNTR	2/22/2011 19:43	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4639	SR556680523	SWB	EMPLACED_CNTR	9/22/2010 18:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	3/12/2010		3/12/2010		9/4/2010			TRUE	TRUE	TRUE					
4640	SR556680601	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4641	SR556680602	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4642	SR556680603	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4643	SR556680604	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4644	SR556680605	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4645	SR556680606	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4646	SR556680607	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4647	SR556680608	SSG	EMPLACED_CNTR	11/9/2011 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/9/2010		8/9/2010		2/1/2011			TRUE	TRUE	TRUE					
4648	SR556680611	SWB	EMPLACED_CNTR	2/20/2011 13:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/11/2010		8/11/2010		2/3/2011			TRUE	TRUE	TRUE					
4649	SR556680614	SWB	EMPLACED_CNTR	2/21/2011 18:53	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	8/11/2010		8/11/2010		2/3/2011			TRUE	TRUE	TRUE					
4650	SR556680701	SWB	EMPLACED_CNTR	11/8/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-WQ26-221F-HET	SS300	Filter Vent	0	4/27/2010		4/27/2010	10/21/2010	10/20/2010			TRUE	TRUE	TRUE					
4651	SR556680702	SWB	EMPLACED_CNTR	2/22/2011 22:11	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4652	SR556680703	SWB	EMPLACED_CNTR	9/18/2010 18:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4653	SR556680704	SWB	EMPLACED_CNTR	12/1/2012 10:11	8/15/2012 13:01	mccabed	SR-WQ26-221F-HET	SS300		0	4/27/2010	8/10/2012	4/27/2010	8/10/2012		221-F-55078 Tru Waste Container Remediation		TRUE	TRUE	TRUE					
4654	SR556680705	SWB	EMPLACED_CNTR	9/20/2010 22:24	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4655	SR556680707	SWB	EMPLACED_CNTR	4/8/2011 13:13	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4656	SR556680708	SWB	EMPLACED_CNTR	9/9/2010 20:39	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4657	SR556680709	SWB	EMPLACED_CNTR	9/9/2010 20:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4658	SR556680710	SWB	EMPLACED_CNTR	9/9/2010 20:37	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/27/2010		4/27/2010		10/20/2010			TRUE	TRUE	TRUE					
4659	SR556680711	SWB	EMPLACED_CNTR	9/9/2010 20:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/29/2010		4/29/2010		10/22/2010			TRUE	TRUE	TRUE					
4660	SR556680712	SWB	EMPLACED_CNTR	9/12/2010 14:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/29/2010		4/29/2010		10/22/2010			TRUE	TRUE	TRUE					
4661	SR556680713	SWB	EMPLACED_CNTR	9/23/2010 14:24	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ26-221F-HET	SS300		0	4/29/2010		4/29/2010		10/22/2010			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4662	SR556807I5	SWB	EMPLACED_CNTR	4/13/2011 22:05	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-HET	SS300		0	4/29/2010		4/29/2010		10/22/2010			TRUE	TRUE	TRUE					
4663	SR556807I6	SWB	EMPLACED_CNTR	10/27/2010 19:18	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-HET	SS300		0	4/29/2010		4/29/2010		10/22/2010			TRUE	TRUE	TRUE					
4664	SR556807I9	SLB2	EMPLACED_CNTR	12/21/2012 13:55	8/17/2011 13:37	mccabed	SR-WD26-221F-HET	SS300		0	4/28/2010		4/28/2010	5/26/2011		Filter Reduction Date: 5/26/2011; Reduced Filter Model: NFT-013. Permit-Only VentDate1: 8/11/2011		TRUE	TRUE	TRUE					
4665	SR556807I0	SSG	EMPLACED_CNTR	11/9/2011 22:36	4/28/2011 6:00	ldkwebuser	SR-WD26-221F-HET	SS300		0	4/28/2010		4/28/2010		10/21/2010			TRUE	TRUE	TRUE					
4666	SR556808O1	SLB2	EMPLACED_CNTR	4/4/2013 15:25	10/15/2012 16:11	mccabed	SR-WD26-221F-HET	SS300		0	11/18/2011		11/18/2011	10/10/2012		Filter reconfiguration date: 10/10/2012; Reduced filter model: NFT-013	- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4667	SR556808O2	SWB	EMPLACED_CNTR	5/3/2013 15:01	8/12/2012 22:06	mccabed	SR-WD26-221F-HET	SS300	Vent	0	11/21/2011	8/7/2012	1/10/2012	8/7/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR556808	TRUE	TRUE	TRUE					
4668	SR556808O4	SWB	EMPLACED_CNTR	3/18/2012 15:48	11/30/2011 15:09	mccabed	SR-WD26-221F-HET	SS300		0	11/21/2011		11/21/2011				- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4669	SR556808O5	SWB	EMPLACED_CNTR	4/20/2013 15:02	8/15/2012 13:03	mccabed	SR-WD26-221F-HET	SS300		0	11/21/2011	8/9/2012	11/21/2011	8/9/2012		221-F-55078 Tru Waste Container Remediation	- Rpkgd was SR556808 - Rpkgd into SR556808I4	TRUE	TRUE	TRUE					
4670	SR556808O6	SWB	EMPLACED_CNTR	4/22/2012 12:59	1/11/2012 13:09	mccabed	SR-WD26-221F-HET	SS300	Vent	0	11/21/2011		11/21/2011	1/10/2012			- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4671	SR556808O7	SWB	EMPLACED_CNTR	4/17/2012 10:23	1/11/2012 13:10	mccabed	SR-WD26-221F-HET	SS300	Vent	0	11/21/2011		11/21/2011	1/10/2012			- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4672	SR556808O9	SWB	EMPLACED_CNTR	5/4/2012 10:46	1/11/2012 13:11	mccabed	SR-WD26-221F-HET	SS300	Vent	0	11/21/2011		11/21/2011	1/10/2012			- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4673	SR556808I0	SWB	EMPLACED_CNTR	11/20/2012 9:52	8/15/2012 13:06	mccabed	SR-WD26-221F-HET	SS300		0	11/21/2011	8/8/2012	11/21/2011	8/8/2012		221-F-55078 Tru Waste Container Remediation	- Rpkgd was SR556808 - Rpkgd into SR556808I3	TRUE	TRUE	TRUE					
4674	SR556808I1	SWB	EMPLACED_CNTR	3/29/2012 15:35	11/30/2011 15:13	mccabed	SR-WD26-221F-HET	SS300		0	11/21/2011		11/21/2011				- Rpkgd was SR556808	TRUE	TRUE	TRUE			SR556808		Repack
4675	SR556808I2	SWB	EMPLACED_CNTR	12/12/2012 10:17	8/17/2012 21:57	mccabed	SR-WD26-221F-HET	SS300	Vent	0	8/7/2012		8/7/2012				- Rpkgd was SR556808 - Rpkgd was SR556808O2	TRUE	TRUE	TRUE					
4676	SR556808I3	SWB	APPROVED_CERT		8/15/2012 13:08	mccabed	SR-WD26-221F-HET	SS300		0	8/8/2012		8/8/2012				- Rpkgd was SR556808 - Rpkgd was SR556808 I0	TRUE	TRUE	TRUE			SR556808I0	SR556808	Repack
4677	SR556808I4	SSG			8/15/2012 13:08	mccabed	SR-WD26-221F-HET	SS300		0	8/9/2012		8/9/2012				- Rpkgd was SR556808 - Rpkgd was SR556808O5	TRUE	TRUE	TRUE			SR556808O5	SR556808	Repack
4678	SR556809	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	4/24/1990		4/24/1990		10/17/1990			TRUE	TRUE	TRUE					
4679	SR556810	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	4/24/1990		4/24/1990		10/17/1990			TRUE	TRUE	TRUE					
4680	SR556811	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	4/26/1990		4/26/1990		10/19/1990			TRUE	TRUE	TRUE					
4681	SR556812	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	4/26/1990	5/27/2004	4/26/1990	5/27/2004	10/19/1990			TRUE	TRUE	TRUE					
4682	SR556813	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	4/26/1990		4/26/1990		10/19/1990			TRUE	TRUE	TRUE					
4683	SR556814	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	4/26/1990		4/26/1990		10/19/1990			TRUE	TRUE	TRUE					
4684	SR556815	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/11/1990	8/17/2005	5/11/1990	8/17/2005	11/3/1990			TRUE	TRUE	TRUE					
4685	SR556816	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/11/1990	4/13/2004	5/11/1990	4/13/2004	11/3/1990			TRUE	TRUE	TRUE					
4686	SR556817	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/11/1990		5/11/1990		11/3/1990			TRUE	TRUE	TRUE					
4687	SR556818	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/11/1990	9/28/2003	5/11/1990	9/28/2003	11/3/1990			TRUE	TRUE	TRUE					
4688	SR556819	SSG			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/14/1990							TRUE	TRUE	TRUE					
4689	SR556820	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/14/1990		5/14/1990		11/6/1990			TRUE	TRUE	TRUE					
4690	SR556821	SSG			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD26-221F-HET	SS300		0	5/16/1990							TRUE	TRUE	TRUE					
4691	SR556822	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/16/1990		5/16/1990		11/8/1990			TRUE	TRUE	TRUE					
4692	SR556823	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/17/1990		5/17/1990		11/9/1990			TRUE	TRUE	TRUE					
4693	SR556824	Poly Box			4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/16/1990		5/16/1990		11/8/1990			TRUE	TRUE	TRUE					
4694	SR556826	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/21/1990		5/21/1990		11/13/1990			TRUE	TRUE	TRUE					
4695	SR556827	SSG	EMPLACED_CNTR	7/5/2008	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/21/1990	11/9/2006	5/21/1990	11/9/2006	11/13/1990			TRUE	TRUE	TRUE					
4696	SR556828	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/21/1990	6/29/2006	5/21/1990	6/29/2006	11/13/1990			TRUE	TRUE	TRUE					
4697	SR556829	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/22/1990		5/22/1990		11/14/1990			TRUE	TRUE	TRUE					
4698	SR556830	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	5/22/1990		5/22/1990		11/14/1990			TRUE	TRUE	TRUE					
4699	SR556831	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/22/1990	4/6/2004	5/22/1990	4/6/2004	11/14/1990			TRUE	TRUE	TRUE					
4700	SR556832	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/22/1990	9/28/2003	5/22/1990	9/28/2003	11/14/1990			TRUE	TRUE	TRUE					
4701	SR556833	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	5/22/1990	9/28/2003	5/22/1990	9/28/2003	11/14/1990			TRUE	TRUE	TRUE					
4702	SR556834	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/14/1990	6/14/1990	6/14/1990	10/20/2006	12/7/1990					TRUE					
4703	SR556835	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-HET	SS300			6/14/1990									TRUE					
4704	SR556836	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-HET	SS300			6/14/1990									TRUE					
4705	SR556837	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	6/14/1990		6/14/1990		12/7/1990			TRUE	TRUE	TRUE					
4706	SR556838	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	6/26/1990		6/26/1990		12/19/1990			TRUE	TRUE	TRUE					
4707	SR556839	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	V&P Vent	0	6/26/1990	6/26/1990	6/26/1990	4/22/2004	12/19/1990			TRUE	TRUE	TRUE					
4708	SR556840	SSG	APPROVED_CERT		4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/3/1990		7/3/1990		12/26/1990			TRUE	TRUE	TRUE					
4709	SR556841	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/3/1990		7/3/1990		12/26/1990			TRUE	TRUE	TRUE					
4710	SR556842	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/3/1990	9/18/2003	7/3/1990	9/18/2003	12/26/1990			TRUE	TRUE	TRUE					
4711	SR556843	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/20/1990	3/30/2006	7/20/1990	3/30/2006	1/12/1991			TRUE	TRUE	TRUE					
4712	SR556843A	SSG	EMPLACED_CNTR	6/24/2012 13:25	3/8/2012 15:30	mccabed	SR-WD26-221F-HET	SS300			3/30/2006	3/6/2012	3/30/2006	3/6/2012		SWD061129 re-named and WS reassigned from SR-SWMF-HET-A; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE					
4713	SR556844	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/17/1990		10/29/1996		4/23/1997			TRUE	TRUE	TRUE					
4714	SR556846	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/18/1990		7/18/1990		1/10/1991			TRUE	TRUE	TRUE					
4715	SR556847	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/18/1990		7/18/1990		1/10/1991			TRUE	TRUE	TRUE					
4716	SR556848	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/18/1990	1/4/2004	9/26/1996	1/4/2004	3/21/1997			TRUE	TRUE	TRUE					
4717	SR556849	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/18/1990	10/15/2007	7/18/1990	10/15/2007	1/10/1991			TRUE	TRUE	TRUE					
4718	SR556850	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/18/1990	5/25/2004	7/18/1990	5/25/2004	1/10/1991			TRUE	TRUE	TRUE					
4719	SR556851	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	7/18/1990	5/14/2004	7/18/1990	5/14/2004	1/10/1991			TRUE	TRUE	TRUE					
4720	SR556856	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	7/31/1990		7/31/1990		1/13/1991			TRUE	TRUE	TRUE					
4721	SR556864	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	9/4/1990		9/4/1990		2/27/1991			TRUE	TRUE	TRUE					
4722	SR556865	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	9/4/1990		9/4/1990		2/27/1991			TRUE	TRUE	TRUE					
4723	SR556866	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	9/4/1990	4/13/2004	9/4/1990	4/13/2004	2/27/1991			TRUE	TRUE	TRUE					
4724	SR556867	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	9/4/1990	1/10/2004	10/10/1996	1/10/2004	4/4/1997			TRUE	TRUE	TRUE					
4725	SR556868	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WD26-221F-HET	SS300			9/4/1990									TRUE					
4726	SR556870	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/4/1990		10/4/1990		3/29/1991			TRUE	TRUE	TRUE					
4727	SR556871	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/4/1990		5/13/1997		11/5/1997			TRUE	TRUE	TRUE					
4728	SR556872	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/4/1990		10/4/1990		3/29/1991			TRUE	TRUE	TRUE					
4729	SR556873	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	10/4/1990	1/4/2004	9/23/1996	1/4/2004	3/18/1997			TRUE	TRUE	TRUE					
4730	SR556874	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300	Remediate	1	10/4/1990	9/17/2003	10/4/1990	9/17/2003	3/29/1991			TRUE	TRUE	TRUE					
4731	SR556875	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		9/20/1996		3/15/1997			TRUE	TRUE	TRUE					
4732	SR556876	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4733	SR556877	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4734	SR556878	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4735	SR556879	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4736	SR556880	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4737	SR556881	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4738	SR556882	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	10/31/1990		10/31/1990		4/25/1991			TRUE	TRUE	TRUE					
4739	SR556883	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	11/13/1990		11/13/1990		5/8/1991			TRUE	TRUE	TRUE					
4740	SR556884	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD26-221F-HET	SS300		0	11/13/1990		11/13/1990		5/8/1991			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4741	SR556883	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/13/1990		11/13/1990		5/8/1991			TRUE	TRUE	TRUE					
4742	SR556886	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/20/1990		11/20/1990		5/15/1991			TRUE	TRUE	TRUE					
4743	SR556887	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/20/1990		11/20/1990		5/15/1991			TRUE	TRUE	TRUE					
4744	SR556888	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/21/1990		11/21/1990		5/16/1991			TRUE	TRUE	TRUE					
4745	SR556889	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/21/1990		11/21/1990		5/16/1991			TRUE	TRUE	TRUE					
4746	SR556890	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/20/1990	7/1/2003	11/20/1990	7/1/2003	5/15/1991			TRUE	TRUE	TRUE					
4747	SR557962	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/13/1990		2/13/1990		8/18/1990			TRUE	TRUE	TRUE					
4748	SR557963	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/13/1990		2/13/1990		8/18/1990			TRUE	TRUE	TRUE					
4749	SR557964	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/13/1990	4/7/2006	2/13/1990	4/7/2006	8/18/1990			TRUE	TRUE	TRUE					
4750	SR557965	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/13/1990		2/13/1990		8/18/1990			TRUE	TRUE	TRUE					
4751	SR557966	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/13/1990		2/13/1990		8/18/1990			TRUE	TRUE	TRUE					
4752	SR557967	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/13/1990		2/13/1990		8/18/1990			TRUE	TRUE	TRUE					
4753	SR557968	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/13/1990	5/6/2004	2/13/1990	5/6/2004	8/18/1990			TRUE	TRUE	TRUE					
4754	SR557969	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/13/1990	1/15/2004	2/13/1990	1/15/2004	8/18/1990			TRUE	TRUE	TRUE					
4755	SR557971	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/28/1990		2/28/1990		8/23/1990			TRUE	TRUE	TRUE					
4756	SR557972	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/28/1990		2/28/1990		8/23/1990			TRUE	TRUE	TRUE					
4757	SR557974	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/1/1990	8/12/2006	3/1/1990	8/12/2006	8/24/1990			TRUE	TRUE	TRUE					
4758	SR557976	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/1/1990		10/9/1996		4/3/1997			TRUE	TRUE	TRUE					
4759	SR557977	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/1/1990	9/6/2003	9/19/1996	9/6/2003	3/14/1997			TRUE	TRUE	TRUE					
4760	SR557978	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/1/1990		3/1/1990		8/24/1990			TRUE	TRUE	TRUE					
4761	SR557979	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/1/1990		3/1/1990		8/24/1990			TRUE	TRUE	TRUE					
4762	SR557980	SSG	EMPLACED_CNTR	7/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/1/1990	5/3/2004	3/1/1990	5/3/2004	8/24/1990			TRUE	TRUE	TRUE					
4763	SR557981	SSG	EMPLACED_CNTR	4/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/1/1990		3/1/1990		8/24/1990			TRUE	TRUE	TRUE					
4764	SR557982	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	8/13/2006	3/16/1990	8/13/2006	9/8/1990			TRUE	TRUE	TRUE					
4765	SR557983	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	4/20/2006	3/16/1990	4/20/2006	9/8/1990			TRUE	TRUE	TRUE					
4766	SR557984	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	5/1/2004	3/16/1990	5/1/2004	9/8/1990			TRUE	TRUE	TRUE					
4767	SR557985	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	5/3/2004	3/16/1990	5/3/2004	9/8/1990			TRUE	TRUE	TRUE					
4768	SR557986	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	5/10/2004	3/16/1990	5/10/2004	9/8/1990			TRUE	TRUE	TRUE					
4769	SR557987	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	5/14/2004	3/16/1990	5/14/2004	9/8/1990			TRUE	TRUE	TRUE					
4770	SR557988	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/16/1990	9/28/2003	3/16/1990	9/28/2003	9/8/1990				TRUE						
4771	SR557989	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			4/4/1990							TRUE	TRUE	TRUE					
4772	SR557990	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	4/3/1990	8/11/2003	9/19/1996	8/11/2003	3/14/1997			TRUE	TRUE	TRUE					
4773	SR557991	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/13/1990		10/10/1996		4/4/1997			TRUE	TRUE	TRUE					
4774	SR557992	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/2/1990		4/2/1990		9/25/1990			TRUE	TRUE	TRUE					
4775	SR557993	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/23/1990		1/23/1990		9/15/1990			TRUE	TRUE	TRUE					
4776	SR557994	SSG	EMPLACED_CNTR	3/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/23/1990		8/14/1996		2/8/1997			TRUE	TRUE	TRUE					
4777	SR5579980	SLB2	EMPLACED_CNTR	11/2/2012 14:07	4/2/2012 11:56	mccabed	SR-W026-221F-HET	S5300		0	1/29/2010		1/29/2010	3/23/2012				TRUE	TRUE	TRUE					
4778	SR5579980	SLB2	EMPLACED_CNTR	8/19/2012 10:12	3/14/2012 14:32	mccabed	SR-W026-221F-HET	S5300		0	1/29/2010		1/29/2010	3/9/2012				TRUE	TRUE	TRUE					
4779	SR5579980	SLB2	EMPLACED_CNTR	9/29/2012 13:28	2/15/2012 17:02	mccabed	SR-W026-221F-HET	S5300		0	1/29/2010		1/29/2010	2/3/2012				TRUE	TRUE	TRUE					
4780	SR5579980	SLB2	EMPLACED_CNTR	9/15/2012 10:16	2/15/2012 17:09	mccabed	SR-W026-221F-HET	S5300		0	1/29/2010		1/29/2010	2/3/2012											
4781	SR557998O7	SLB2			7/16/2012 21:14	mccabed	SR-W026-221F-HET	S5300	None	0	6/8/2012	7/11/2012	6/8/2012	7/11/2012		Parent has comment EXCLUDE due to LLW. 221-F-55078	Rplgd was SR557998O7	TRUE	TRUE	TRUE			SR557998O2		Daughter
4782	SR557999O1	SSG	APPROVED_CERT		6/13/2012 12:35	mccabed	SR-W026-221F-HET	S5300			12/2/2011	6/6/2012	12/2/2011	6/6/2012		221-F-55006 Tru Drum Repackaging	- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4783	SR557999O7	SWB	EMPLACED_CNTR	4/8/2012 14:32	1/5/2012 19:26	mccabed	SR-W026-221F-HET	S5300	Vent		12/12/2011		12/12/2011	12/29/2011			- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4784	SR557999O9	SWB	EMPLACED_CNTR	4/8/2012 14:32	1/5/2012 19:28	mccabed	SR-W026-221F-HET	S5300	Vent		12/12/2011		12/12/2011	12/29/2011			- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4785	SR557999I0	SWB	EMPLACED_CNTR	4/12/2012 13:00	1/5/2012 19:29	mccabed	SR-W026-221F-HET	S5300	Vent		12/12/2011		12/12/2011	12/29/2011			- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4786	SR557999I1	SWB	EMPLACED_CNTR	4/21/2012 9:45	1/5/2012 19:29	mccabed	SR-W026-221F-HET	S5300	Vent		12/12/2011		12/12/2011	12/29/2011			- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4787	SR557999I2	SWB	EMPLACED_CNTR	4/21/2012 9:47	1/5/2012 19:30	mccabed	SR-W026-221F-HET	S5300	Vent		12/13/2011		12/13/2011	12/29/2011			- Rplgd was SR557999	TRUE	FALSE	TRUE	NA		SR557999		Daughter
4788	SR557999I3	SWB	EMPLACED_CNTR	4/14/2012 14:54	1/5/2012 19:32	mccabed	SR-W026-221F-HET	S5300	Vent		12/13/2011		12/13/2011	12/29/2011				TRUE	FALSE	TRUE	NA		SR557999		Daughter
4789	SR5580000O1	SLB2	EMPLACED_CNTR	8/19/2012 10:47	3/14/2012 14:33	mccabed	SR-W026-221F-HET	S5300		0	1/14/2010		1/14/2010	3/9/2012				TRUE	TRUE	TRUE					
4790	SR5580000I4	SLB2	EMPLACED_CNTR	4/26/2012 13:18	5/17/2011 19:10	mccabed	SR-W026-221F-HET	S5300		0	1/14/2010		1/14/2010	5/4/2011				TRUE	TRUE	TRUE					
4791	SR5580000S	SWB	EMPLACED_CNTR	9/19/2010 13:26	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-221F-HET	S5300		0	1/15/2010		1/15/2010		7/10/2010			TRUE	TRUE	TRUE					
4792	SR59503601	SLB2	EMPLACED_CNTR	11/2/2012 13:28	3/14/2012 14:39	mccabed	SR-W026-221F-HET	S5300		0	9/21/2006		9/21/2006	3/9/2012		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
4793	SR59503610	SWB	EMPLACED_CNTR	3/2/2012 16:04	9/27/2011 17:08	mccabed	SR-W088-221F-HET	S5300	None	0	6/23/2011		6/23/2011			Changed to Non-PCB/E-mail : Price 9/12/11	- Rplgd was SR59503602	TRUE	TRUE	TRUE	NA		SR59503602		Daughter
4794	SR59503611	SWB	EMPLACED_CNTR	3/21/2012 16:04	9/27/2011 17:09	mccabed	SR-W026-221F-HET	S5300	None	0	6/23/2011		6/23/2011			Changed to Non-PCB/E-mail : Price 9/12/11	- Rplgd was SR59503602	TRUE	TRUE	TRUE	NA		SR59503602		Repack
4795	SR59503612	SWB	EMPLACED_CNTR	6/1/2012 9:33	1/12/2012 16:44	mccabed	SR-W026-221F-HET	S5300	Vent	0	8/16/2011		8/16/2011	1/11/2012		PCB Bulk Product Waste - Non Leachable	- Rplgd was SR59503602	TRUE	TRUE	TRUE	Yes	10/13/2005	SR59503602		Repack
4796	SR59503613	SSG	EMPLACED_CNTR	4/11/2012 15:02	1/1/2012 17:24	mccabed	SR-W026-221F-HET	S5300	Remediation	0	8/16/2011	1/27/2012	8/16/2011	1/27/2012		PCB Bulk Product Waste - Non Leachable	- Rplgd was SR59503602	TRUE	TRUE	TRUE	Yes	10/13/2005	SR59503602		Repack
4797	SR595207	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	6/30/1994	8/2/2004	6/30/1994	8/2/2004	12/23/1994			TRUE	TRUE	TRUE					
4798	SR595208	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/2/1994		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
4799	SR595233	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/17/1994		11/17/1994		5/12/1995			TRUE	TRUE	TRUE					
4800	SR595235	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/25/1994	1/4/2006	11/25/1994	1/4/2006	5/20/1995			TRUE	TRUE	TRUE					
4801	SR595236	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	11/29/1994		11/29/1994		5/24/1995			TRUE	TRUE	TRUE					
4802	SR595237	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			12/20/1994									TRUE					
4803	SR595238	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/20/1994		12/20/1994		6/14/1995			TRUE	TRUE	TRUE					
4804	SR595300	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/3/1995		1/3/1995		6/28/1995			TRUE	TRUE	TRUE					
4805	SR595404	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			9/29/1993									TRUE					
4806	SR595407	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/29/1993		9/29/1993		3/24/1994	Drum reentered 7/19/04		TRUE	TRUE	TRUE					
4807	SR595410	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/29/1993		9/29/1993		3/24/1994	Drum reentered 7/19/04		TRUE	TRUE	TRUE					
4808	SR595411	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			9/30/1993									TRUE					
4808	SR595503	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/29/1991	4/24/2003	10/29/1991	4/24/2003	4/22/1992			TRUE	TRUE	TRUE					
4810	SR595506	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/14/1991	4/18/2006	11/14/1991	6/18/2006	5/8/1992			TRUE	TRUE	TRUE					
4811	SR595507	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/14/1991	11/14/2006	11/14/1991	11/14/2006	5/8/1992			TRUE	TRUE	TRUE					
4812	SR595514	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/21/1992	11/7/2006	11/21/1992	11/7/2006	7/15/1992			TRUE	TRUE	TRUE					
4813	SR595516	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/24/1992		2/24/1992		8/18/1992			TRUE	TRUE	TRUE					
4814	SR595517	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			2/24/1992									TRUE					
4815	SR595518	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/24/1992	9/5/2003	2/24/1992	9/5/2003	8/18/1992			TRUE	TRUE	TRUE					
4816	SR595519	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/24/1992		2/24/1992		8/18/1992			TRUE	TRUE	TRUE					
4817	SR595520	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/24/1992	1/10/2004	2/24/1992	1/10/2004	8/18/1992			TRUE	TRUE	TRUE					
4818	SR595521	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	4/8/1992	10/4/2006	4/8/1992	10/4/2006	10/1/1992			TRUE	TRUE	TRUE					
4819	SR595522	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	4/8/1992	11/1/2006	4/8/1992	11/1/2006	10/1/1992			TRUE	TRUE	TRUE					
4820	SR595523	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			4/9/1992									TRUE					
4821	SR595524	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/9/1992		4/9/1992		10/2/1992			TRUE	TRUE	TRUE					
4822	SR595525	SSG			4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-221F-HET	S5300		0	4/15/1992							TRUE	TRUE	TRUE					
4823	SR595526	SSG			4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-221F-HET	S5300		0	4/15/1992									TRUE					
4824	SR595532	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			5/21/1992									TRUE					
4825	SR595533	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\jmorris	SR-W026-221F-HET	S5300			5/22/1992									TRUE					
4826	SR595534	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/15/1992		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
4827	SR595535	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/15/1992		6/15/1992		12/8/1992			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4828	SR595536	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/15/1992		6/15/1992		12/8/1992			TRUE	TRUE	TRUE					
4829	SR595537	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/15/1992		6/15/1992		12/8/1992			TRUE	TRUE	TRUE					
4830	SR595538	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/15/1992		6/15/1992		12/8/1992			TRUE	TRUE	TRUE					
4831	SR595541	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/3/1992		8/3/1992		1/16/1993					TRUE					
4832	SR595542	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			8/3/1992									TRUE					
4833	SR595554	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			9/9/1992							TRUE	TRUE	TRUE					
4834	SR595558	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/13/1992		8/13/1992		2/5/1993					TRUE					
4835	SR595559	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			8/13/1992									TRUE					
4836	SR595560	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			8/2/1992									TRUE					
4837	SR595561	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/13/1992		7/17/1996		1/9/1997			TRUE	TRUE	TRUE					
4838	SR595563	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			8/13/1992									TRUE					
4839	SR595565	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			9/9/1992									TRUE					
4840	SR595578	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/1/1992		9/1/1992		2/24/1993			TRUE	TRUE	TRUE					
4841	SR595581	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/9/1992		7/18/1996		1/10/1997			TRUE	TRUE	TRUE					
4842	SR595582	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/9/1992		9/9/1992		3/4/1993			TRUE	TRUE	TRUE					
4843	SR595583	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/9/1992		9/9/1992		3/4/1993			TRUE	TRUE	TRUE					
4844	SR595584	SSG	EMPLACED_CNTR	8/14/2003	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			9/9/1992									TRUE					
4845	SR595585	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/9/1992		9/9/1992		3/4/1993			TRUE	TRUE	TRUE					
4846	SR595586	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/9/1992	12/3/2004	9/9/1992	12/3/2004	3/4/1993			TRUE	TRUE	TRUE					
4847	SR595590	SSG			4/28/2011 6:00	WWIS_Updt	SR-W025-221F-HET	S5300		0	9/21/1992		9/21/1992		3/16/1993	Drum reentered 7/19/04		TRUE	TRUE	TRUE					
4848	SR595591	SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/16/1992		9/16/1992		3/11/1993			TRUE	TRUE	TRUE					
4849	SR595595	SSG	EMPLACED_CNTR	8/17/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			10/1/1992									TRUE					
4850	SR595599	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/8/1992		10/8/1992		4/2/1993	Drum reentered 7/19/04		TRUE	TRUE	TRUE					
4851	SR595602	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/8/1992		10/8/1992		4/2/1993			TRUE	TRUE	TRUE					
4852	SR595603	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/8/1992		7/19/1996		1/11/1997			TRUE	TRUE	TRUE					
4853	SR595608	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/20/1992		7/19/1996		1/11/1997			TRUE	TRUE	TRUE					
4854	SR595607	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/20/1992		7/15/1996		1/7/1997			TRUE	TRUE	TRUE					
4855	SR595608	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			10/20/1992									TRUE					
4856	SR595609	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/20/1992		7/16/1996		1/10/1997			TRUE	TRUE	TRUE					
4857	SR595610	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			10/22/1992									TRUE					
4858	SR595611	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			10/22/1992									TRUE					
4859	SR595612	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			11/12/1992									TRUE					
4860	SR595613	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			11/12/1992									TRUE					
4861	SR595614	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			11/12/1992									TRUE					
4862	SR595615	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/12/1992	6/11/2003	11/12/1992	6/11/2003	5/7/1993			TRUE	TRUE	TRUE					
4863	SR595616	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/12/1992	4/1/2006	7/22/1996	4/1/2006	1/14/1997			TRUE	TRUE	TRUE					
4864	SR595620	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/16/1992		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
4865	SR595621	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/14/1992		7/22/1996		1/14/1997					TRUE					
4866	SR595622	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			12/16/1992									TRUE					
4867	SR595623	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			12/16/1992									TRUE					
4868	SR595625	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			12/16/1992									TRUE					
4869	SR595626	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/16/1992		7/17/1996		1/9/1997			TRUE	TRUE	TRUE					
4870	SR595627	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			2/1/1993									TRUE					
4871	SR595628	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			2/1/1993									TRUE					
4872	SR595629	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/1/1993		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
4873	SR595630	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/13/1993		7/17/1996		1/9/1997			TRUE	TRUE	TRUE					
4874	SR595632	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			4/13/1993									TRUE					
4875	SR595634	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			4/13/1993									TRUE					
4876	SR595635	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/13/1993		7/22/1996		1/14/1997					TRUE					
4877	SR595636	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			4/13/1993									TRUE					
4878	SR595637	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			4/13/1993									TRUE					
4879	SR595638	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/19/1993		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
4880	SR595642	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			5/2/1993									TRUE					
4881	SR595643	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	7/14/1993		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
4882	SR595801	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/6/1990		12/6/1990		5/31/1991			TRUE	TRUE	TRUE					
4883	SR595802	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	V&P Purge	0	12/6/1990	12/6/1990	11/11/1996	10/1/2005	5/6/1997			TRUE	TRUE	TRUE					
4884	SR595803	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/6/1990	1/17/2008	12/6/1990	1/17/2008	5/31/1991			TRUE	TRUE	TRUE					
4885	SR595804	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/6/1990		12/6/1990		5/31/1991			TRUE	TRUE	TRUE					
4886	SR595805	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/6/1990		12/6/1990		5/31/1991			TRUE	TRUE	TRUE					
4887	SR595806	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/6/1990		12/6/1990		5/31/1991			TRUE	TRUE	TRUE					
4888	SR595807	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/13/1990	7/3/2006	12/13/1990	7/3/2006	6/7/1991			TRUE	TRUE	TRUE					
4889	SR595808	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4890	SR595809	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4891	SR595810	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4892	SR595812	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221J-HET	S5300			12/13/1990									TRUE					
4893	SR595813	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4894	SR595814	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4895	SR595815	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/13/1990		12/13/1990		6/7/1991			TRUE	TRUE	TRUE					
4896	SR595817	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/3/1991		1/3/1991		6/28/1991			TRUE	TRUE	TRUE					
4897	SR595819	SSG	EMPLACED_CNTR	5/6/2012 12:37	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/3/1991		1/3/1991		6/28/1991			TRUE	TRUE	TRUE					
4898	SR595822	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4899	SR595823	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4900	SR595824	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4901	SR595825	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/17/1991	6/10/2003	7/15/1996	6/10/2003	1/7/1997			TRUE	TRUE	TRUE					
4902	SR595826	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4903	SR595827	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/17/1991	9/18/2003	1/17/1991	9/18/2003	7/12/1991			TRUE	TRUE	TRUE					
4904	SR595828	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/17/1991		1/17/1991		7/12/1991			TRUE	TRUE	TRUE					
4905	SR595829	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/31/1991	4/13/2004	1/31/1991	4/13/2004	7/26/1991			TRUE	TRUE	TRUE					
4906	SR595830	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/31/1991	7/1/2003	1/31/1991	7/1/2003	7/26/1991			TRUE	TRUE	TRUE					
4907	SR595831	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/31/1991	6/9/2006	8/13/1996	6/9/2006	2/5/1997			TRUE	TRUE	TRUE					
4908	SR595832	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/31/1991	1/19/2004	1/31/1991	1/19/2004	7/26/1991			TRUE	TRUE	TRUE					
4909	SR595833	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/6/1991	8/15/2003	2/6/1991	8/15/2003	8/1/1991			TRUE	TRUE	TRUE					
4910	SR595834	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/7/1991	10/29/2004	2/7/1991	10/29/2004	8/2/1991			TRUE	TRUE	TRUE					
4911	SR595835	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/22/1991		2/22/1991		8/17/1991			TRUE	TRUE	TRUE					
4912	SR595836	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/22/1991		2/22/1991		8/17/1991			TRUE	TRUE	TRUE					
4913	SR595837	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/22/1991	6/30/2003	2/22/1991	6/30/2003	8/17/1991			TRUE	TRUE	TRUE					
4914	SR595838	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/22/1991	1/10/2004	2/22/1991	1/10/2004	8/17/1991			TRUE	TRUE	TRUE					
4915	SR595839	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/13/1991	6/24/2003	3/13/1991	6/24/2003	9/5/1991			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4916	SR595840	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/13/1991		3/13/1991		9/5/1991			TRUE	TRUE	TRUE					
4917	SR595841	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/13/1991	9/17/2003	3/13/1991	9/17/2003	9/5/1991			TRUE	TRUE	TRUE					
4918	SR595842	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/18/1991		4/18/1991		10/11/1991					TRUE					
4919	SR595843	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			4/19/1991							TRUE	TRUE	TRUE					
4920	SR595844	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/9/1991		5/9/1991		11/1/1991			TRUE	TRUE	TRUE					
4921	SR595845	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/9/1991		5/9/1991		11/1/1991			TRUE	TRUE	TRUE					
4922	SR595846	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/9/1991		5/9/1991		11/1/1991			TRUE	TRUE	TRUE					
4923	SR595853	SSG	EMPLACED_CNTR	1/11/2012 9:41	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/14/1991		6/14/1991		12/7/1991	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
4924	SR595854	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/14/1991		6/14/1991		12/7/1991					TRUE					
4925	SR595855	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			6/14/1991							TRUE	TRUE	TRUE					
4926	SR595856	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	6/14/1991	9/18/2003	6/14/1991	9/18/2003	12/7/1991			TRUE	TRUE	TRUE					
4927	SR595857	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	6/14/1991	1/10/2004	8/13/1996	1/10/2004	2/5/1997			TRUE	TRUE	TRUE					
4928	SR595858	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/14/1991		6/14/1991		12/7/1991			TRUE	TRUE	TRUE					
4929	SR595874	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/25/1991	11/7/2006	9/25/1991	11/7/2006	3/19/1992			TRUE	TRUE	TRUE					
4930	SR595874A	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1		11/7/2006		11/7/2006				TRUE	TRUE	TRUE					
4931	SR595876	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/25/1991	5/16/2008	9/25/1991	5/16/2008	3/19/1992					TRUE					
4932	SR595877	SSG	EMPLACED_CNTR	9/29/2011	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			9/25/1991							TRUE	TRUE	TRUE					
4933	SR595878	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/25/1991	5/15/2004	9/25/1991	5/15/2004	3/19/1992					TRUE					
4934	SR595879	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			9/25/1991							TRUE	TRUE	TRUE					
4935	SR595880	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/25/1991		9/25/1991		3/19/1992			TRUE	TRUE	TRUE					
4936	SR595881	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/25/1991	9/6/2003	9/18/1996	9/6/2003	3/13/1997										
									INCR-SRS-05 10-04									TRUE	TRUE	TRUE					
4937	SR595882	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/25/1991	9/25/1991	9/25/1991	11/20/2003	3/19/1992			TRUE	TRUE	TRUE					
4938	SR595883	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/25/1991		9/25/1991		3/19/1992			TRUE	TRUE	TRUE					
4939	SR595884	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/8/1991	4/22/2006	10/8/1991	4/22/2006	4/1/1992			TRUE	TRUE	TRUE					
4940	SR595887	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/8/1991	6/25/2006	10/8/1991	6/25/2006	4/1/1992			TRUE	TRUE	TRUE					
4941	SR595890	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/8/1991	7/23/2003	10/8/1991	7/23/2003	4/1/1992			TRUE	TRUE	TRUE					
4942	SR595894	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/22/1991	8/6/2004	10/22/1991	8/6/2004	4/15/1992			TRUE	TRUE	TRUE					
4943	SR607501	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	4/11/1995	12/18/2006	4/11/1995	12/18/2006	10/4/1995			TRUE	TRUE	TRUE					
4944	SR607502	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1992		4/11/1992		10/4/1995			TRUE	TRUE	TRUE					
4945	SR607503	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1995		4/11/1995		10/4/1995			TRUE	TRUE	TRUE					
4946	SR607506	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1995		4/11/1995		10/4/1995			TRUE	TRUE	TRUE					
4947	SR607507	SSG	EMPLACED_CNTR	4/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1995		4/11/1995		10/4/1995			TRUE	TRUE	TRUE					
4948	SR607508	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1995		4/11/1995		10/4/1995			TRUE	TRUE	TRUE					
4949	SR607510	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/11/1995		4/11/1995		10/4/1995			TRUE	TRUE	TRUE					
4950	SR607511	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/19/1995		4/19/1995		10/12/1995			TRUE	TRUE	TRUE					
4951	SR607512	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/19/1995		4/19/1995		10/12/1995			TRUE	TRUE	TRUE					
4952	SR607513	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4953	SR607514	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4954	SR607515	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4955	SR607516	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4956	SR607518	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4957	SR607519	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/18/1995		5/18/1995		11/10/1995			TRUE	TRUE	TRUE					
4958	SR607537	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	5/29/1995	4/29/2006	5/29/1995	4/29/2006	11/21/1995			TRUE	TRUE	TRUE					
4959	SR607538	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	5/29/1995	6/18/2006	5/29/1995	6/18/2006	11/21/1995					TRUE					
4960	SR608454	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			1/9/1995							TRUE	TRUE	TRUE					
4961	SR608460	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/7/1995		2/7/1995		8/2/1995			TRUE	TRUE	TRUE					
4962	SR608461	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/8/1995		8/29/1996		2/21/1997			TRUE	TRUE	TRUE					
4963	SR608462	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/8/1995		2/8/1995		8/4/1995			TRUE	TRUE	TRUE					
4964	SR608466	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/11/1995		3/11/1995		9/3/1995			TRUE	TRUE	TRUE					
4965	SR608468	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/12/1995		3/12/1995		9/4/1995			TRUE	TRUE	TRUE					
4966	SR608469	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	3/12/1995		3/12/1995		9/4/1995			TRUE	TRUE	TRUE					
4967	SR608472	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/18/1995			TRUE	TRUE	TRUE					
4968	SR608473	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/21/1995		5/21/1995		11/1/1995			TRUE	TRUE	TRUE					
4969	SR608474	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/19/1995			TRUE	TRUE	TRUE					
4970	SR608475	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/20/1995		5/20/1995		11/12/1995			TRUE	TRUE	TRUE					
4971	SR608476	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/22/1995		4/22/1995		10/15/1995			TRUE	TRUE	TRUE					
4972	SR608477	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/23/1995		4/23/1995		10/16/1995			TRUE	TRUE	TRUE					
4973	SR608478	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/20/1995		5/20/1995		11/12/1995			TRUE	TRUE	TRUE					
4974	SR608479	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/5/1995		5/5/1995		10/28/1995			TRUE	TRUE	TRUE					
4975	SR608480	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/19/1995		5/19/1995		11/11/1995			TRUE	TRUE	TRUE					
4976	SR608481	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/19/1995			TRUE	TRUE	TRUE					
4977	SR608482	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/27/1995		4/27/1995		10/20/1995			TRUE	TRUE	TRUE					
4978	SR608483	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/24/1995		4/24/1995		10/17/1995			TRUE	TRUE	TRUE					
4979	SR608484	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	6/11/1995	9/29/2006	6/11/1995	9/29/2006	12/4/1995			TRUE	TRUE	TRUE					
4980	SR608485	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/27/1995		4/27/1995		10/20/1995			TRUE	TRUE	TRUE					
4981	SR608486	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/25/1995		5/25/1995		11/17/1995			TRUE	TRUE	TRUE					
4982	SR608487	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/4/1995		5/4/1995		10/27/1995			TRUE	TRUE	TRUE					
4983	SR608488	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/26/1995		5/26/1995		11/12/1995			TRUE	TRUE	TRUE					
4984	SR608489	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/19/1995			TRUE	TRUE	TRUE					
4985	SR608490	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/25/1995		4/25/1995		10/18/1995			TRUE	TRUE	TRUE					
4986	SR608491	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/23/1995		4/23/1995		10/16/1995			TRUE	TRUE	TRUE					
4987	SR608492	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/28/1995		5/28/1995		11/20/1995			TRUE	TRUE	TRUE					
4988	SR608493	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/23/1995		4/23/1995		10/16/1995			TRUE	TRUE	TRUE					
4989	SR608494	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/25/1995		5/25/1995		11/17/1995			TRUE	TRUE	TRUE					
4990	SR608495	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	6/3/1995		6/3/1995		11/29/1995			TRUE	TRUE	TRUE					
4991	SR608497	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/19/1995			TRUE	TRUE	TRUE					
4992	SR608498	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/26/1995		4/26/1995		10/18/1995			TRUE	TRUE	TRUE					
4993	SR608499	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/25/1995		4/25/1995		10/18/1995			TRUE	TRUE	TRUE					
4994	SR609500	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	5/21/1995		5/21/1995		11/13/1995			TRUE	TRUE	TRUE					
4995	SR609151	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
4996	SR609152	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reenter drum 7/19/04		TRUE	TRUE	TRUE					
4997	SR609153	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reenter drum 7/19/04		TRUE	TRUE	TRUE					
4998	SR609154	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
4999	SR609155	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
5000	SR609156	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/9/04				TRUE					
5001	SR609157	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WPPNET\jmorris	SR-W026-221F-HET	S5300			9/28/1995							TRUE	TRUE	TRUE					
5002	SR609159	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04									

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5003	SR609160	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/28/1995		9/28/1995		3/22/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
5004	SR609161	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/10/1995		10/10/1995		4/3/1996			TRUE	TRUE	TRUE					
5005	SR609162	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5006	SR609163	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5007	SR609164	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5008	SR609165	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/28/1995		9/28/1995		3/22/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5009	SR609169	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/3/1995		10/3/1995		3/27/1996			TRUE	TRUE	TRUE					
5010	SR609170	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/2/1995		10/2/1995		3/26/1996			TRUE	TRUE	TRUE					
5011	SR609171	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/3/1995		10/3/1995		3/27/1996					TRUE					
5012	SR609172	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			10/3/1995									TRUE					
5013	SR609174	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/16/1996		6/16/1996		12/9/1996			TRUE	TRUE	TRUE					
5014	SR609175	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/9/1996		6/9/1996		12/2/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5015	SR609178	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/21/1996		7/21/1996		1/13/1997			TRUE	TRUE	TRUE					
5016	SR609179	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/12/1996		10/23/1996		4/15/1997			TRUE	TRUE	TRUE					
5017	SR609180	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5018	SR609181	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5019	SR609182	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5020	SR609183	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5021	SR609184	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5022	SR609185	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			10/4/1995									TRUE					
5023	SR609186	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5024	SR609187	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5025	SR609188	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5026	SR609189	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/4/1995		10/4/1995		3/28/1996			TRUE	TRUE	TRUE					
5027	SR609190	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/21/1996		7/21/1996		1/13/1997			TRUE	TRUE	TRUE					
5028	SR609191	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/15/1995		10/15/1995		4/8/1996			TRUE	TRUE	TRUE					
5029	SR609192	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/15/1995		10/15/1995		4/8/1996			TRUE	TRUE	TRUE					
5030	SR609193	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/15/1995		10/15/1995		4/8/1996			TRUE	TRUE	TRUE					
5031	SR609194	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	10/15/1995		10/24/1996		4/18/1997					TRUE					
5032	SR609196	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			5/12/1996									TRUE					
5033	SR609301	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/13/1995		6/13/1995		12/6/1995					TRUE					
5034	SR609302	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			6/13/1995									TRUE					
5035	SR609307	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			7/7/1995									TRUE					
5036	SR609309	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/16/1995		6/16/1995		12/8/1995			TRUE	TRUE	TRUE					
5037	SR609313	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	3/8/1995		3/8/1995		8/31/1995	reenter 7/19/04		TRUE	TRUE	TRUE					
5038	SR609314	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/30/1995		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
5039	SR609323	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/30/1995		6/30/1995		12/23/1995	reenter 7/19/04		TRUE	TRUE	TRUE					
5040	SR609326	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/7/1995		7/7/1995		12/29/1995			TRUE	TRUE	TRUE					
5041	SR609327	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	7/2/1995	10/3/2006	7/2/1995	10/3/2006	12/25/1995			TRUE	TRUE	TRUE					
5042	SR609328	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/2/1995		7/2/1995		12/25/1995					TRUE					
5043	SR609329	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			9/4/1995									TRUE					
5044	SR609330	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			9/4/1995									TRUE					
5045	SR609332	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	9/21/1995		10/23/1996		4/17/1997			TRUE	TRUE	TRUE					
5046	SR609333	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/3/1996		5/3/1996		10/28/1996			TRUE	TRUE	TRUE					
5047	SR609334	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/3/1996		5/3/1996		10/29/1996			TRUE	TRUE	TRUE					
5048	SR609335	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/3/1996		5/3/1996		10/26/1996			TRUE	TRUE	TRUE					
5049	SR609336	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/3/1996		5/3/1996		10/26/1996			TRUE	TRUE	TRUE					
5050	SR609338	SSG	EMPLACED_CNTR	4/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/9/1996		6/19/1997		12/12/1997					TRUE					
5051	SR609339	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			6/9/1996									TRUE					
5052	SR609340	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			5/28/1996									TRUE					
5053	SR609341	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/12/1996		5/12/1996		11/4/1996			TRUE	TRUE	TRUE					
5054	SR609343	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	7/29/1996	6/5/2004	7/29/1996	6/5/2004	1/21/1997			TRUE	TRUE	TRUE					
5055	SR609343A	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1		6/5/2004		6/5/2004				TRUE	TRUE	TRUE					
5056	SR609344	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/7/1995		3/12/1997		9/4/1997			TRUE	TRUE	TRUE					
5057	SR609345	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/26/1996		1/26/1996		7/20/1996			TRUE	TRUE	TRUE					
5058	SR609350	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	5/5/1996		5/5/1996		10/28/1996			TRUE	TRUE	TRUE					
5059	SR609402	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	7/10/1995	12/11/2006	7/10/1995	12/11/2006	1/2/1996			TRUE	TRUE	TRUE					
5060	SR609408	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			7/10/1995									TRUE					
5061	SR609410	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/10/1995		8/26/1996		2/18/1997			TRUE	TRUE	TRUE					
5062	SR609412	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/10/1995		7/10/1995		1/2/1996	reenter drum 7/19/04		TRUE	TRUE	TRUE					
5063	SR609413	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/10/1995		7/10/1995		1/2/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
5064	SR609415	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	7/10/1995	12/12/2006	7/10/1995	12/12/2006	1/2/1996			TRUE	TRUE	TRUE					
5065	SR609415A	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1		12/12/2006		12/12/2006				TRUE	TRUE	TRUE					
5066	SR609419	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			7/10/1995									TRUE					
5067	SR609420	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	7/10/1995		7/10/1995		1/2/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5068	SR609428	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	V&P Vent	0	8/6/1996	8/6/1996	3/4/1997	9/5/2003	8/27/1997			TRUE	TRUE	TRUE					
5069	SR609429	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			8/29/1995									TRUE					
5070	SR609430	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	8/29/1995	5/30/2006	8/29/1995	5/30/2006	2/11/1996			TRUE	TRUE	TRUE					
5071	SR609431	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			6/9/1996									TRUE					
5072	SR609432	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	6/9/1996		6/9/1996		12/3/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5073	SR609441	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			7/27/1995									TRUE					
5074	SR609601	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	11/26/1995		11/26/1995		5/20/1996			TRUE	TRUE	TRUE					
5075	SR609602	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	11/26/1995		11/26/1995		5/20/1996			TRUE	TRUE	TRUE					
5076	SR609603	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	11/26/1995		11/26/1995		5/20/1996			TRUE	TRUE	TRUE					
5077	SR609604	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			11/26/1995									TRUE					
5078	SR609605	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/3/1995		12/3/1995		5/27/1996			TRUE	TRUE	TRUE					
5079	SR609606	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300	Remediate	1	12/3/1995	4/14/2006	12/3/1995	4/14/2006	5/27/1996			TRUE	TRUE	TRUE					
5080	SR609607	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/3/1995		12/3/1995		5/27/1996			TRUE	TRUE	TRUE					
5081	SR609608	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/4/1995		10/23/1996		4/17/1997			TRUE	TRUE	TRUE					
5082	SR609610	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/4/1995		10/23/1996		4/16/1997			TRUE	TRUE	TRUE					
5083	SR609611	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	12/4/1995		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5084	SR609614	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			12/7/1995									TRUE					
5085	SR609615	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/7/1996		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5086	SR609616	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-NET	55300			1/7/1996									TRUE					
5087	SR609617	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/7/1996		1/7/1996		7/1/1996			TRUE	TRUE	TRUE					
5088	SR609618	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/7/1996		1/7/1996		7/1/1996			TRUE	TRUE	TRUE					
5089	SR609619	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/7/1996		1/7/1996		7/1/1996			TRUE	TRUE	TRUE					
5090	SR609620	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-NET	55300		0	1/7/1996		10/24/1996		4/18/1997										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5091	SR809621	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/14/1996		1/14/1996		7/8/1996			TRUE	TRUE	TRUE					
5092	SR809622	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/14/1996		1/14/1996		7/8/1996			TRUE	TRUE	TRUE					
5093	SR809623	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/14/1996		1/14/1996		7/8/1996			TRUE	TRUE	TRUE					
5094	SR809627	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/16/1996		10/24/1996		4/18/1997					TRUE					
5095	SR809628	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			1/16/1996									TRUE					
5096	SR809631	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/16/1996		10/24/1996		4/18/1997					TRUE					
5097	SR809632	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			1/16/1996														
5098	SR809633	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/16/1996		1/16/1996		7/10/1996			TRUE	TRUE	TRUE					
5099	SR809634	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/16/1996		10/24/1996		4/18/1997			TRUE	TRUE	TRUE					
5100	SR809635	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/22/1996		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5101	SR809638	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	V&P Vent	0	8/6/1996	8/6/1996	8/6/1996	10/7/2003	1/29/1997			TRUE	TRUE	TRUE					
5102	SR809639	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	1/3/1996		3/3/1996		8/26/1996			TRUE	TRUE	TRUE					
5103	SR809640	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/27/1996		5/27/1996		11/19/1996			TRUE	TRUE	TRUE					
5104	SR809641	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/27/1996		5/27/1996		11/19/1996			TRUE	TRUE	TRUE					
5105	SR809642	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/27/1996		5/27/1996		11/19/1996			TRUE	TRUE	TRUE					
5106	SR809643	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/27/1996		5/27/1996		11/19/1996					TRUE					
5107	SR809652	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/13/1995														
5108	SR809655	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/13/1995		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5109	SR809657	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/13/1995														
5110	SR809660	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/13/1995		10/23/1996		4/17/1997			TRUE	TRUE	TRUE					
5111	SR809661	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/13/1995	10/3/2006	11/13/1995	10/3/2006	5/7/1996			TRUE	TRUE	TRUE					
5112	SR809673	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/22/1995		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5113	SR809674	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/29/1995		11/29/1995		5/13/1996			TRUE	TRUE	TRUE					
5114	SR809676	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/12/1996		10/21/1996		4/15/1997			TRUE	TRUE	TRUE					
5115	SR809677	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/12/1996		10/21/1996		4/15/1997			TRUE	TRUE	TRUE					
5116	SR809678	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300			5/12/1996														
5117	SR809679	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			6/9/1996														
5118	SR809680	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			6/9/1996														
5119	SR809690	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			6/9/1996														
5120	SR809691	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	7/21/1996		3/10/1997		9/2/1997			TRUE	TRUE	TRUE					
5121	SR809692	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/24/1996	7/9/2006	3/24/1996	7/9/2006	9/16/1996			TRUE	TRUE	TRUE					
5122	SR809692A	SSG	EMPLACED_CNTR	3/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1		7/9/2006		7/9/2006				TRUE	TRUE	TRUE					
5123	SR809693	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/24/1996		3/24/1996		9/16/1996			TRUE	TRUE	TRUE					
5124	SR809694	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			3/24/1996														
5125	SR809695	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	V&P Vent	0	8/6/1996	8/6/1996	8/6/1996	10/7/2003	1/29/1997			TRUE	TRUE	TRUE					
5126	SR809697	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	5/12/1996		10/21/1996		4/15/1997			TRUE	TRUE	TRUE					
5127	SR809698	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	6/16/1996		6/16/1996		12/9/1996			TRUE	TRUE	TRUE					
5128	SR809699	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	V&P Vent	0	6/9/1995	6/9/1995	6/19/1997	12/10/2006	12/12/1997			TRUE	TRUE	TRUE					
5129	SR809707	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/14/1995		9/18/1996		3/13/1997			TRUE	TRUE	TRUE					
5130	SR809712	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/14/1995	12/1/2003	9/18/1996	12/1/2003	3/13/1997			TRUE	TRUE	TRUE					
5131	SR809714	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/14/1995		9/18/1996		3/13/1997			TRUE	TRUE	TRUE					
5132	SR809728	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/23/1995		9/16/1996		3/1/1997			TRUE	TRUE	TRUE					
5133	SR809730	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/23/1995	7/20/2006	9/16/1996	7/20/2006	3/11/1997					TRUE					
5134	SR809739	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			3/8/1995							TRUE	TRUE	TRUE					
5135	SR809744	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/15/1995		9/3/1996		3/26/1997					TRUE					
5136	SR809801	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			3/11/1996														
5137	SR809804	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			3/11/1996														
5138	SR809805	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		10/24/1996		4/18/1997			TRUE	TRUE	TRUE					
5139	SR809806	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/11/1996	11/29/2006	3/11/1996	11/29/2006	9/3/1996			TRUE	TRUE	TRUE					
5140	SR809807	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		3/11/1996		9/3/1996			TRUE	TRUE	TRUE					
5141	SR809808	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		3/11/1996		9/3/1996			TRUE	TRUE	TRUE					
5142	SR809810	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		8/11/1996		9/3/1996	reenter 7/19/04		TRUE	TRUE	TRUE					
5143	SR809811	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	3/11/1996	11/11/2006	3/11/1996	11/11/2006	9/3/1996			TRUE	TRUE	TRUE					
5144	SR809813	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		3/11/1996		9/3/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
5145	SR809814	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	3/11/1996		10/24/1996		4/18/1997			TRUE	TRUE	TRUE					
5146	SR809815	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5147	SR809816	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5148	SR809817	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5149	SR809819	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5150	SR809821	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996					TRUE					
5151	SR809822	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			4/21/1996														
5152	SR809823	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996	reentered 7/19/04		TRUE	TRUE	TRUE					
5153	SR809824	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5154	SR809825	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	4/21/1996		4/21/1996		10/14/1996			TRUE	TRUE	TRUE					
5155	SR809952	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/8/1996		11/8/1996		5/3/1997					TRUE					
5156	SR809955	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/18/1996														
5157	SR809956	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/18/1996														
5158	SR809957	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	11/18/1996	9/6/2003	3/10/1997	9/6/2003	9/2/1997			TRUE	TRUE	TRUE					
5159	SR809959	SSG	EMPLACED_CNTR	7/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/18/1996		3/18/1997		9/10/1997			TRUE	TRUE	TRUE					
5160	SR809960	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/18/1996		3/10/1997		9/2/1997					TRUE					
5161	SR809962	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/18/1996														
5162	SR809963	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			11/18/1996														
5163	SR809964	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	11/18/1996		11/18/1996		5/13/1997			TRUE	TRUE	TRUE					
5164	SR809965	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/3/1996	12/10/2005	12/3/1996	12/10/2005	5/28/1997			TRUE	TRUE	TRUE					
5165	SR809966	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/3/1996	9/19/2006	12/3/1996	9/19/2006	5/28/1997			TRUE	TRUE	TRUE					
5166	SR809967	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/3/1996	7/19/2006	3/18/1997	7/19/2006	9/10/1997			TRUE	TRUE	TRUE					
5167	SR809968	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	V&P Purge	0	12/3/1996	12/3/1996	3/13/1997	9/16/2004	9/3/1997					TRUE					
5168	SR809969	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			12/3/1996														
5169	SR809971	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/3/1996		3/18/1997		9/10/1997					TRUE					
5170	SR809973	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			12/12/1996														
5171	SR809977	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/12/1996		3/11/1997		9/3/1997			TRUE	TRUE	TRUE					
5172	SR809978	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/12/1996		3/10/1997		9/2/1997			TRUE	TRUE	TRUE					
5173	SR809983	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/12/1996		3/11/1997		9/3/1997			TRUE	TRUE	TRUE					
5174	SR809984	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/12/1996		3/10/1997		9/2/1997					TRUE					
5175	SR809990	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-W026-221F-HET	S5300			12/31/1996														
5176	SR809991	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/31/1996		3/10/1997		9/2/1997			TRUE	TRUE	TRUE					
5177	SR809992	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300	Remediate	1	12/31/1996	5/19/2006	3/10/1997	5/19/2006	9/2/1997			TRUE	TRUE	TRUE					
5178	SR809993	SSG			4/28/2011 6:00	WWS_Updt	SR-W026-221F-HET	S5300		0	12/31/1996		3/10/1997		9/2/1997										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5179	SR609995	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/31/1996		2/11/1997		8/6/1997			TRUE	TRUE	TRUE					
5180	SR609996	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/31/1996		3/10/1997		9/2/1997			TRUE	TRUE	TRUE					
5181	SR609997	SSG	EMPLACED_CNTR	9/28/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			12/31/1996									TRUE					
5182	SR609998	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	1/12/1997	4/16/2006	1/12/1997	4/16/2006	7/7/1997			TRUE	TRUE	TRUE					
5183	SR609999	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	1/12/1997	4/2/2007	3/10/1997	4/2/2007	9/2/1997			TRUE	TRUE	TRUE					
5184	SR609999A	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300			4/2/2007		4/2/2007					TRUE	TRUE	TRUE					
5185	SR610000	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	1/12/1997		1/12/1997		7/7/1997			TRUE	TRUE	TRUE					
5186	SR610001	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			7/18/1995									TRUE					
5187	SR610003	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	7/21/1995		9/11/1996		3/6/1997			TRUE	TRUE	TRUE					
5188	SR610004	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	7/22/1995		7/22/1995		1/14/1996			TRUE	TRUE	TRUE					
5189	SR610006	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	8/1/1995		8/29/1996		2/21/1997					TRUE					
5190	SR610008	SSG	EMPLACED_CNTR	8/13/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			8/1/1995									TRUE					
5191	SR610011	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			8/1/1995									TRUE					
5192	SR610020	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	8/1/1995	1/2/2007	9/3/1996	1/2/2007	2/26/1997			TRUE	TRUE	TRUE					
5193	SR610021	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	8/1/1995		9/3/1996		2/26/1997			TRUE	TRUE	TRUE					
5194	SR610025	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/4/1995		9/11/1996		3/6/1997			TRUE	TRUE	TRUE					
5195	SR610026	SSG	EMPLACED_CNTR	5/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			5/13/1996									TRUE					
5196	SR610027	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	5/13/1996		10/21/1996		4/15/1997			TRUE	TRUE	TRUE					
5197	SR610030	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	8/27/1995		8/27/1995		2/19/1996			TRUE	TRUE	TRUE					
5198	SR610031	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	8/27/1995	12/7/2005	8/27/1995	12/7/2005	2/19/1996			TRUE	TRUE	TRUE					
5199	SR610032	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	8/27/1995		8/27/1995		2/19/1996			TRUE	TRUE	TRUE					
5200	SR610033	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	8/27/1995		8/27/1995		2/19/1996			TRUE	TRUE	TRUE					
5201	SR610034	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/6/1995		9/6/1995		2/29/1996			TRUE	TRUE	TRUE					
5202	SR610035	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/6/1995		9/6/1995		2/29/1996			TRUE	TRUE	TRUE					
5203	SR610036	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/6/1995		9/6/1995		2/29/1996			TRUE	TRUE	TRUE					
5204	SR610037	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	7/21/1995		7/1/1996		1/13/1997			TRUE	TRUE	TRUE					
5205	SR610039	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/13/1995		9/11/1996		3/6/1997			TRUE	TRUE	TRUE					
5206	SR610041	SSG	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/13/1995		8/26/1996		2/18/1997			TRUE	TRUE	TRUE					
5207	SR610043	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			9/13/1995									TRUE					
5208	SR610047	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	9/13/1995		9/11/1996		3/6/1997			TRUE	TRUE	TRUE					
5209	SR610048	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	9/13/1995	11/13/2006	8/29/1996	11/13/2006	2/21/1997			TRUE	TRUE	TRUE					
5210	SR610048A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1		11/13/2006		11/13/2006				TRUE	TRUE	TRUE					
5211	SR610049	SSG	EMPLACED_CNTR	8/17/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			9/13/1995									TRUE					
5212	SR610051	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5213	SR610052	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5214	SR610053	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5215	SR610054	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5216	SR610055	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5217	SR610056	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996					TRUE					
5218	SR610057	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			10/13/1995									TRUE					
5219	SR610058	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5220	SR610059	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			10/13/1995									TRUE					
5221	SR610060	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5222	SR610061	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5223	SR610062	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5224	SR610063	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5225	SR610064	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5226	SR610065	SSG	EMPLACED_CNTR	9/29/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			10/13/1995									TRUE					
5227	SR610066	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5228	SR610067	SSG	EMPLACED_CNTR	5/6/2012 12:37	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	0	10/13/1995	11/24/2009	3/18/1997	11/24/2009	9/10/1997			TRUE	TRUE	TRUE					
5229	SR610068	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/13/1995		10/13/1995		4/6/1996			TRUE	TRUE	TRUE					
5230	SR610070	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/19/1995		10/19/1995		4/12/1996			TRUE	TRUE	TRUE					
5231	SR610071	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/19/1995		3/18/1997		9/10/1997			TRUE	TRUE	TRUE					
5232	SR610072	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/19/1995		10/19/1995		4/12/1996			TRUE	TRUE	TRUE					
5233	SR610076	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/11/1995		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5234	SR610077	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/11/1995		10/22/1996		4/16/1997			TRUE	TRUE	TRUE					
5235	SR610078	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/11/1995		10/23/1996		4/17/1997			TRUE	TRUE	TRUE					
5236	SR610080	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	12/11/1995		10/23/1996		4/17/1997			TRUE	TRUE	TRUE					
5237	SR610081	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			12/11/1995									TRUE					
5238	SR610082	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	12/11/1995	12/11/2006	10/23/1996	12/11/2006	4/17/1997			TRUE	TRUE	TRUE					
5239	SR610088	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	1/3/1996		1/3/1996		6/27/1996			TRUE	TRUE	TRUE					
5240	SR610089	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	1/11/1996	4/4/2006	1/21/1996	4/4/2006	7/15/1996			TRUE	TRUE	TRUE					
5241	SR610091	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	5/12/1996		10/21/1996		4/15/1997					TRUE					
5242	SR610094	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			5/12/1996									TRUE					
5243	SR610095	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	5/12/1996	9/21/2003	10/21/1996	9/21/2003	4/15/1997			TRUE	TRUE	TRUE					
5244	SR610096	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	5/12/1996	4/8/2008	10/21/1996	4/8/2008	4/15/1997					TRUE					
5245	SR610087	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			5/12/1996									TRUE					
5246	SR610098	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-NET	55300			5/12/1996									TRUE					
5247	SR610099	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	5/12/1996	6/13/2006	10/21/1996	6/13/2006	4/15/1997			TRUE	TRUE	TRUE					
5248	SR610801	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/2/1997		3/2/1997		8/25/1997			TRUE	TRUE	TRUE					
5249	SR610802	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/20/1997		3/20/1997		9/12/1997			TRUE	TRUE	TRUE					
5250	SR610803	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/20/1997		3/20/1997		9/12/1997			TRUE	TRUE	TRUE					
5251	SR610804	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	3/20/1997	12/7/2006	3/20/1997	12/7/2006	9/12/1997			TRUE	TRUE	TRUE					
5252	SR610804A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1		12/7/2006		12/7/2006				TRUE	TRUE	TRUE					
5253	SR610805	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/20/1997		3/20/1997		9/12/1997			TRUE	TRUE	TRUE					
5254	SR610806	SSG	EMPLACED_CNTR	5/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		7/17/1997		1/9/1998			TRUE	TRUE	TRUE					
5255	SR610807	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300	Remediate	1	3/25/1997	6/15/2006	7/16/1997	6/15/2006	1/8/1998			TRUE	TRUE	TRUE					
5256	SR610808	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		6/4/1997		11/27/1997			TRUE	TRUE	TRUE					
5257	SR610809	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		6/4/1997		11/27/1997			TRUE	TRUE	TRUE					
5258	SR610810	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		7/16/1997		1/8/1998			TRUE	TRUE	TRUE					
5259	SR610811	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		3/4/1997		8/27/1997			TRUE	TRUE	TRUE					
5260	SR610812	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		3/4/1997		8/27/1997			TRUE	TRUE	TRUE					
5261	SR610814	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		7/17/1997		1/9/1998			TRUE	TRUE	TRUE					
5262	SR610815	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		7/16/1997		1/8/1998			TRUE	TRUE	TRUE					
5263	SR610816	SSG	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	3/25/1997		6/4/1997		11/27/1997			TRUE	TRUE	TRUE					
5264	SR610826	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	4/26/1998		4/26/1998		10/19/1998			TRUE	TRUE	TRUE					
5265	SR610828	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5266	SR610829	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-221F-NET	55300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5267	SR610830	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5268	SR610831	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5269	SR610832	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5270	SR610834	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5271	SR610835	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5272	SR610836	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5273	SR610837	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5274	SR610838	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5275	SR610839	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/22/1997		10/22/1997		4/16/1998			TRUE	TRUE	TRUE					
5276	SR610840	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/31/1997		10/31/1997		4/25/1998			TRUE	TRUE	TRUE					
5277	SR610841	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/31/1997		10/31/1997		4/25/1998			TRUE	TRUE	TRUE					
5278	SR610842	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	10/31/1997		10/31/1997		4/25/1998			TRUE	TRUE	TRUE					
5279	SR610843	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	10/31/1997	6/8/2006	10/31/1997	6/8/2006	4/25/1998			TRUE	TRUE	TRUE					
5280	SR610844	SSG	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/22/1997		8/22/1997		2/14/1998			TRUE	TRUE	TRUE					
5281	SR610845	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/22/1997		8/22/1997		2/14/1998			TRUE	TRUE	TRUE					
5282	SR610846	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	8/22/1997		8/22/1997		2/14/1998			TRUE	TRUE	TRUE					
5283	SR610847	SSG	EMPLACED_CNTR	3/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	9/3/1997	12/9/2005	9/3/1997	12/9/2005	2/26/1998			TRUE	TRUE	TRUE					
5284	SR610850	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	V&P Purge	0	3/31/1998	3/31/1998	3/31/1998	10/7/2003	9/23/1998			TRUE	TRUE	TRUE					
5285	SR610909	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	12/29/1997		12/29/1997		6/23/1998			TRUE	TRUE	TRUE					
5286	SR610912	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	4/26/1998	9/6/2006	4/26/1998	9/6/2006	10/19/1998			TRUE	TRUE	TRUE					
5287	SR610913	SSG	EMPLACED_CNTR	8/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5288	SR610914	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5289	SR610915	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5290	SR610916	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5291	SR610917	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5292	SR610918	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5293	SR610919	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/20/1998	12/5/2003	1/20/1998	12/5/2003	7/15/1998			TRUE	TRUE	TRUE					
5294	SR610920	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5295	SR610921	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5296	SR610922	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5297	SR610923	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5298	SR610925	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5299	SR610926	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5300	SR610927	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5301	SR610928	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W025-221F-HET	S5300		0	1/20/1998		1/20/1998		7/15/1998			TRUE	TRUE	TRUE					
5302	SR610929	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	1/20/1998	10/12/2003	1/20/1998	10/12/2003	7/15/1998			TRUE	TRUE	TRUE					
5303	SR610930	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W025-221F-HET	S5300		0	6/9/1998		6/9/1998		12/2/1998			TRUE	TRUE	TRUE					
5304	SR610937	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	4/16/1998		4/16/1998		10/9/1998			TRUE	TRUE	TRUE					
5305	SR610938	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	Remediate	1	2/8/1998	10/29/2004	2/8/1998	10/29/2004	8/3/1998			TRUE	TRUE	TRUE					
5306	SR610939	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300	V&P Purge	0	2/8/1998	2/8/1998	2/8/1998	8/26/2006	8/3/1998			TRUE	TRUE	TRUE					
5307	SR610940	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/24/1998		2/24/1998		8/19/1998			TRUE	TRUE	TRUE					
5308	SR610941	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	S5300		0	2/24/1998		2/24/1998		8/19/1998			TRUE	TRUE	TRUE					
5309	SR610944404	SLB2	EMPLACED_CNTR	10/4/2012 13:06	7/25/2011 20:51	mccabed	SR-W026-221F-HET	S5300	Vent	0	11/2/2004		11/2/2004	11/2/2004		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
5310	SR61094502	SLB2	APPROVED_CERT		9/27/2011 17:00	mccabed	SR-W026-221F-HET	S5300		0	12/6/2004		12/6/2004	12/6/2004		Changed to Non-PCB/E-mail J. Price 9/12/11		TRUE	TRUE	TRUE	NA				
5311	SR61094503	SLB2	EMPLACED_CNTR	10/28/2012 13:50	6/23/2012 22:43	mccabed	SR-W026-221F-HET	S5300		0	8/18/2011		8/18/2011	8/18/2011		PCB Bulk Product Waste - Non Leachable; Reactivated 121411 due to SRS determination that it is not empty; updated per JBiedscheid email 041212; Parent generation date: 11/29/2004	- Rpkgd into SR61094505 - Rpkgd into SR61094506 - Rpkgd into SR61094507 - Rpkgd into SR61094508 - Rpkgd into SR61094509 - Rpkgd into SR61094510 - Rpkgd into SR61094511 - Rpkgd into SR61094512 - Rpkgd into SR61094513 - Rpkgd into SR61094514 - Rpkgd into SR61094515	TRUE	TRUE	TRUE	Yes	10/13/2005			
5312	SR61094504	SLB2	EMPLACED_CNTR	5/19/2012 10:16	7/25/2011 21:20	mccabed	SR-W026-221F-HET	S5300	Vent	0	12/2/2004		12/2/2004	12/2/2004		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
5313	SR61094508	SSG	EMPLACED_CNTR	11/2/2011 21:40	9/7/2011 11:09	mccabed	SR-W026-221F-HET	S5300		0	8/17/2011		8/17/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61094503	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61094503		Repack
5314	SR61094515	SSG	EMPLACED_CNTR	11/21/2011 13:12	9/27/2011 16:37	mccabed	SR-W026-221F-HET	S5300		0	8/17/2011		8/17/2011			Changed to Non-PCB/E-mail J. Price 9/15/11	- Rpkgd was SR61094503	TRUE	TRUE	TRUE	NA		SR61094503		Repack
5315	SR61094516	SSG	EMPLACED_CNTR	8/1/2012 11:15	3/21/2012 10:05	mccabed	SR-W026-221F-HET	S5300		0	3/20/2012		3/20/2012			PCB Bulk Product Waste - Non Leachable; Tru drum repacking 221-F-5300.	- Rpkgd was SR61094503 - Rpkgd was SR61094509	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61094509	SR61094503	Repack
5316	SR61094601	SLB2	EMPLACED_CNTR	7/15/2012 9:52	7/25/2011 20:31	mccabed	SR-W026-221F-HET	S5300		0	9/12/2006		9/12/2006	9/12/2006		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
5317	SR61094602	SLB2	EMPLACED_CNTR	10/28/2012 13:12	7/26/2011 8:31	mccabed	SR-W026-221F-HET	S5300	Vent	0	9/12/2006		9/12/2006	9/12/2006		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
5318	SR61094608	SLB2	EMPLACED_CNTR	4/14/2012 14:54	6/28/2011 20:37	mccabed	SR-W026-221F-HET	S5300	Vent	0	8/30/2010		8/30/2010	6/23/2011		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
5319	SR61094708	SLB2	EMPLACED_CNTR	3/21/2013 15:26	8/22/2011 15:09	mccabed	SR-W026-221F-HET	S5300		0	7/14/2011		7/14/2011	7/14/2011		B25 box lid removed and placed into SLB2; B25OP now in SLB2; Parent generation date: 9/27/2004		TRUE	TRUE	TRUE					
5320	SR61094715	SLB2	EMPLACED_CNTR	6/24/2012 9:24	7/26/2011 12:07	mccabed	SR-W026-221F-HET	S5300		0	9/21/2004		9/21/2004	9/21/2004				TRUE	TRUE	TRUE					
5321	SR61094714	SWB	EMPLACED_CNTR	11/9/2011 19:18	8/1/2011 16:22	mccabed	SR-W026-221F-HET	S5300		0	7/6/2011		7/6/2011				- Rpkgd was SR61094713	TRUE	TRUE	TRUE			SR61094713		Repack
5322	SR61094802	SLB2	APPROVED_CERT		8/22/2011 16:10	mccabed	SR-W026-221F-HET	S5300		0	7/14/2011		7/14/2011	7/14/2011		B25 box lid was removed and placed into the SLB2; all waste including the B25OP is now in the SLB2; Parent generation date: 7/28/2004.		TRUE	TRUE	TRUE					
5323	SR61094810	SLB2	EMPLACED_CNTR	8/5/2012 10:08	8/22/2011 16:01	mccabed	SR-W026-221F-HET	S5300		0	7/13/2011		7/13/2011	7/13/2011		B25 box lid was removed and placed into the SLB2; all waste including the B25OP is now in the SLB2; Parent generation date: 7/28/2004.	- Rpkgd into SR61094816 - Rpkgd into SR61094817 - Rpkgd into SR61094818	TRUE	TRUE	TRUE					
5324	SR61094815	B25OP			7/9/2011 9:43	mccabed	SR-W026-221F-HET	S5300		0	11/22/1994	7/5/2011	7/28/2004	7/5/2011			Rpkgd was SR61094815	TRUE	TRUE	TRUE			SR61094815		Daughter
5325	SR61094816	SSG	EMPLACED_CNTR	11/1/2011 21:40	7/9/2011 9:43	mccabed	SR-W026-221F-HET	S5300		0	7/5/2011		7/5/2011				Rpkgd was SR61094815	TRUE	TRUE	TRUE			SR61094815		Daughter
5326	SR61094818	SSG	EMPLACED_CNTR	11/3/2011 23:21	7/9/2011 9:43	mccabed	SR-W026-221F-HET	S5300		0	7/7/2011		7/7/2011				Rpkgd was SR61094803	TRUE	TRUE	TRUE			SR61094803		Repack
5327	SR61094821	SSG	EMPLACED_CNTR	5/6/2012 12:37	8/1/2011 16:25	mccabed	SR-W026-221F-HET	S5300		0	7/7/2011		7/7/2011				Rpkgd was SR61094803	TRUE	TRUE	TRUE			SR61094803		Repack
5328	SR61094822	SSG	EMPLACED_CNTR	5/6/2012 12:37	8/1/2011 16:25	mccabed	SR-W026-221F-HET	S5300		0	7/7/2011		7/7/2011				Rpkgd was SR61094803	TRUE	TRUE	TRUE			SR61094803		Repack
5329	SR61094823	SSG	EMPLACED_CNTR	3/22/2012 14:59	8/1/2011 16:26	mccabed	SR-W026-221F-HET	S5300		0	7/7/2011		7/7/2011												
5330	SR61094901	SLB2	APPROVED_CERT		8/1/2011 19:04	mccabed	SR-W026-221F-HET	S5300		0	7/13/2011		7/13/2011	7/13/2011		B25 box lid was removed and placed into the SLB2; all waste including the B25OP is now in the SLB2; Parent generation date: 12/2/2004.		TRUE	TRUE	TRUE					
5331	SR61094904	SLB2	EMPLACED_CNTR	6/17/2012 13:30	9/26/2011 9:42	mccabed	SR-W026-221F-HET	S5300		0	7/12/2011		7/12/2011	9/15/2011		B25 box lid was removed and placed into a SLB2; all waste including the B25OP is now in the SLB2; Parent generation date: 12/2/2004. Filter Reduction Date: 9/15/2011; Reduced Filter Model: NFT-013.		TRUE	TRUE	TRUE					
5332	SR61094912	SWB	EMPLACED_CNTR	2/26/2012 14:03	10/21/2011 7:53	mccabed	SR-W026-221F-HET	S5300		0	7/11/2011		7/11/2011				- Rpkgd was SR61094903	TRUE	TRUE	TRUE			SR61094903		Daughter
5333	SR61095001	SWB	EMPLACED_CNTR	12/16/2011 10:37	8/25/2011 18:16	mccabed	SR-W026-221F-HET	S5300	Remediation	0	5/14/2010	8/19/2011	5/14/2010	8/19/2011			- Rpkgd into SR61095019	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5334	SR61095002	SWB	EMPLACED_CNTR	9/15/2010 22:03	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5335	SR61095003	SWB	EMPLACED_CNTR	10/5/2010 22:24	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5336	SR61095004	SWB	EMPLACED_CNTR	11/8/2010 19:04	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Filter Vent	0	5/14/2010		5/14/2010	10/21/2010	11/6/2010			TRUE	TRUE	TRUE					
5337	SR61095005	SWB	EMPLACED_CNTR	10/5/2010 22:23	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5338	SR61095006	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5339	SR61095007	SWB	EMPLACED_CNTR	9/15/2010 21:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5340	SR61095008	SWB	EMPLACED_CNTR	10/4/2010 20:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5341	SR61095009	SWB	EMPLACED_CNTR	9/20/2010 22:22	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5342	SR61095010	SWB	EMPLACED_CNTR	9/25/2010 13:58	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/14/2010		5/14/2010		11/6/2010			TRUE	TRUE	TRUE					
5343	SR61095011	SWB	EMPLACED_CNTR	9/19/2010 19:24	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/21/2010		5/21/2010		11/13/2010			TRUE	TRUE	TRUE					
5344	SR61095012	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/21/2010		5/21/2010		11/13/2010			TRUE	TRUE	TRUE					
5345	SR61095014	SWB	EMPLACED_CNTR	10/4/2010 19:16	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/21/2010		5/21/2010		11/13/2010			TRUE	TRUE	TRUE					
5346	SR61095015	SWB	EMPLACED_CNTR	9/15/2010 22:02	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/21/2010		5/21/2010		11/13/2010			TRUE	TRUE	TRUE					
5347	SR61095016	SWB	EMPLACED_CNTR	9/18/2010 13:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO26-221F-HET	55300		0	5/21/2010		5/21/2010		11/13/2010			TRUE	TRUE	TRUE					
5348	SR61095018	SWB	EMPLACED_CNTR	4/4/2012 15:23	11/1/2011 13:04	mccabed	SR-WO26-221F-HET	55300	Remediation	0	5/21/2010	10/27/2011	5/21/2010	10/27/2011			- Rplgd into SR61095020 - Rplgd into SR61095021 - Rplgd into SR61095022	TRUE	TRUE	TRUE					
5349	SR61095020	SSG	EMPLACED_CNTR	11/16/2012 10:11	11/15/2011 11:10	mccabed	SR-WO26-221F-HET	55300	Remediation	0	10/27/2011	11/3/2011	10/27/2011	11/3/2011			- Rplgd was SR61095018	TRUE	TRUE	TRUE			SR61095018		Daughter
5350	SR61095021	SSG	EMPLACED_CNTR	10/25/2012 15:30	11/15/2011 11:09	mccabed	SR-WO26-221F-HET	55300	Remediation	0	10/27/2011	11/3/2011	10/27/2011	11/3/2011			- Rplgd was SR61095018	TRUE	TRUE	TRUE			SR61095018		Daughter
5351	SR61095022	SSG	EMPLACED_CNTR	2/18/2012 14:08	11/10/2011 11:51	mccabed	SR-WO26-221F-HET	55300	Remediation	0	10/27/2011	11/4/2011	10/27/2011	11/4/2011			- Rplgd was SR61095018	TRUE	TRUE	TRUE			SR61095018		Daughter
5352	SR611001	SSG	EMPLACED_CNTR	8/11/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	1/12/1997	2/7/2007	1/12/1997	2/7/2007	7/7/1997			TRUE	TRUE	TRUE					
5353	SR611001A	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1		5/4/2007		5/4/2007				TRUE	TRUE	TRUE					
5354	SR611002	SSG	EMPLACED_CNTR	9/19/2010 10:48	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	1/12/1997		1/12/1997		7/7/1997			TRUE	TRUE	TRUE					
5355	SR611003	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	1/19/1997	12/8/2005	1/19/1997	12/8/2005	7/14/1997					TRUE					
5356	SR611004	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			1/13/1997									TRUE					
5357	SR611011	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			1/13/1997							TRUE	TRUE	TRUE					
5358	SR611012	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	1/13/1997		2/11/1997		8/6/1997					TRUE					
5359	SR611014	SSG	EMPLACED_CNTR	9/10/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			1/13/1997									TRUE					
5360	SR611018	SSG	EMPLACED_CNTR	9/19/2010 10:46	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	1/13/1997		2/11/1997		8/6/1997			TRUE	TRUE	TRUE					
5361	SR611019	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	1/19/1997		1/19/1997		7/14/1997			TRUE	TRUE	TRUE					
5362	SR611020	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	1/12/1997		2/11/1997		8/6/1997			TRUE	TRUE	TRUE					
5363	SR611022	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			2/24/1997									TRUE					
5364	SR611024	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	2/24/1997		2/24/1997		8/19/1997			TRUE	TRUE	TRUE					
5365	SR611026	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	2/24/1997		3/4/1997		8/27/1997					TRUE					
5366	SR611027	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			2/24/1997							TRUE	TRUE	TRUE					
5367	SR611028	SSG			4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	2/24/1997		3/4/1997		8/27/1997					TRUE					
5368	SR611029	SSG	EMPLACED_CNTR	8/20/2001	4/28/2011 6:00	WIPPNET\morrisj	SR-WO26-221F-HET	55300			2/24/1997									TRUE					
5369	SR611032	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	6/4/1998		6/4/1998		11/27/1998			TRUE	TRUE	TRUE					
5370	SR611033	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	4/6/1998	4/6/1998	4/6/1998	2/25/2004	9/29/1998			TRUE	TRUE	TRUE					
5371	SR611034	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	5/20/1999	10/13/2003	5/20/1999	10/13/2003	11/12/1999			TRUE	TRUE	TRUE					
5372	SR611035	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	6/4/1998	6/4/1998	6/4/1998	9/11/2005	11/27/1998			TRUE	TRUE	TRUE					
5373	SR611037	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	6/4/1998	6/4/1998	6/4/1998	3/17/2004	11/27/1998			TRUE	TRUE	TRUE					
5374	SR611040	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/13/1998		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
5375	SR611042	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	4/16/1998	4/16/1998	4/16/1998	2/25/2004	10/9/1998			TRUE	TRUE	TRUE					
5376	SR611043	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	4/16/1998	4/16/1998	4/16/1998	10/7/2003	10/9/1998			TRUE	TRUE	TRUE					
5377	SR611045	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/13/1998		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
5378	SR611046	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/13/1998		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
5379	SR611151	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/12/1996		7/23/1996		1/14/1997			TRUE	TRUE	TRUE					
5380	SR611152	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/12/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5381	SR611153	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5382	SR611154	SSG			4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5383	SR611155	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
5384	SR611156	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/12/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5385	SR611157	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
5386	SR611158	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		7/22/1996		1/14/1997			TRUE	TRUE	TRUE					
5387	SR611159	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	7/22/1996	9/28/2006	6/19/1997	9/28/2006	12/12/1997			TRUE	TRUE	TRUE					
5388	SR611160	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/22/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5389	SR611162	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/23/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5390	SR611163	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/23/1996		7/23/1996		1/15/1997			TRUE	TRUE	TRUE					
5391	SR611164	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	7/23/1996		7/23/1996		1/15/1997			TRUE	TRUE	TRUE					
5392	SR611168	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
5393	SR611170	SSG			4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5394	SR611171	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
5395	SR611172	SSG			4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5396	SR611173	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
5397	SR611174	SSG			4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5398	SR611175	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	8/20/1996		8/20/1996		2/12/1997			TRUE	TRUE	TRUE					
5399	SR611176	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	8/22/1996	8/22/1996	8/22/1996	11/14/2003	2/14/1997			TRUE	TRUE	TRUE					
5400	SR611177	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	8/22/1996	8/22/1996	6/19/1997	9/15/2003	12/12/1997			TRUE	TRUE	TRUE					
5401	SR611178	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	8/22/1996	8/22/1996	6/19/1997	12/9/2003	12/12/1997			TRUE	TRUE	TRUE					
5402	SR611179	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	8/22/1996	8/22/1996	8/22/1996	11/1/2006	2/14/1997			TRUE	TRUE	TRUE					
5403	SR611180	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	8/22/1996	6/27/2005	6/19/1997	6/27/2005	12/12/1997			TRUE	TRUE	TRUE					
5404	SR611181	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	9/3/1996	9/3/1996	9/3/1996	10/15/2003	2/26/1997			TRUE	TRUE	TRUE					
5405	SR611182	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	9/3/1996	9/3/1996	6/19/1997	10/15/2003	12/12/1997			TRUE	TRUE	TRUE					
5406	SR611183	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	9/3/1996	9/3/1996	9/3/1996	2/25/2004	2/26/1997			TRUE	TRUE	TRUE					
5407	SR611184	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	9/3/1996	9/3/1996	6/19/1997	4/27/2005	12/12/1997			TRUE	TRUE	TRUE					
5408	SR611185	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	9/3/1996	9/3/1996	9/3/1996	11/5/2003	2/26/1997			TRUE	TRUE	TRUE					
5409	SR611186	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	9/3/1996	9/3/1996	9/3/1996	10/16/2003	2/26/1997			TRUE	TRUE	TRUE					
5410	SR611187	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	9/3/1996	9/5/2003	9/3/1996	9/5/2003	2/26/1997			TRUE	TRUE	TRUE					
5411	SR611188	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	9/4/1996	9/4/1996	6/19/1997	10/15/2003	12/12/1997			TRUE	TRUE	TRUE					
5412	SR611189	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	9/12/1996	12/5/2005	9/12/1996	12/5/2005	3/7/1997			TRUE	TRUE	TRUE					
5413	SR611191	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	10/1/1996	8/15/2006	10/1/1996	8/15/2006	3/26/1997			TRUE	TRUE	TRUE					
5414	SR611191A	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1		8/15/2006		8/15/2006				TRUE	TRUE	TRUE					
5415	SR611192	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1	10/1/1996	2/13/2007	10/1/1996	2/13/2007	3/26/1997			TRUE	TRUE	TRUE					
5416	SR611192A	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	Remediate	1		10/26/2006		10/26/2006				TRUE	TRUE	TRUE					
5417	SR611193	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	10/1/1996	10/1/1996	10/1/1996	11/6/2005	3/26/1997			TRUE	TRUE	TRUE					
5418	SR611194	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Vent	0	10/21/1996	10/21/1996	10/21/1996	11/29/2004	4/15/1997			TRUE	TRUE	TRUE					
5419	SR611195	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300		0	11/14/1996		11/14/1996		5/9/1997			TRUE	TRUE	TRUE					
5420	SR611197	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-221F-HET	55300	V&P Purge	0	10/21/1996	10/21/1996	10/21/1996	10/7/2003	4/15/1997			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5421	SR611301	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/5/1997		6/5/1997		11/28/1997			TRUE	TRUE	TRUE					
5422	SR611302	55G	EMPLACED_CNTR	1/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/12/1997		6/12/1997		12/5/1997			TRUE	TRUE	TRUE					
5423	SR611303	55G			4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		7/17/1997		1/9/1998			TRUE	TRUE	TRUE					
5424	SR611304	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		7/16/1997		1/8/1998			TRUE	TRUE	TRUE					
5425	SR611305	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221J-HET	55300		0	6/13/1997		7/16/1997		1/8/1998			TRUE	TRUE	TRUE					
5426	SR611306	55G	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221J-HET	55300		0	6/13/1997		7/17/1997		1/9/1998			TRUE	TRUE	TRUE					
5427	SR611307	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		6/13/1997		12/6/1997			TRUE	TRUE	TRUE					
5428	SR611308	55G			4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		7/17/1997		1/9/1998			TRUE	TRUE	TRUE					
5429	SR611309	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		7/16/1997		1/8/1998			TRUE	TRUE	TRUE					
5430	SR611310	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		6/13/1997		12/6/1997			TRUE	TRUE	TRUE					
5431	SR611311	55G	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/13/1997		6/13/1997		12/6/1997			TRUE	TRUE	TRUE					
5432	SR611312	55G	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/13/1997	6/4/2004	7/16/1997	6/4/2004	1/8/1998			TRUE	TRUE	TRUE					
5433	SR611313	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221J-HET	55300		0	6/19/1997		6/19/1997		12/12/1997			TRUE	TRUE	TRUE					
5434	SR611314	55G	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/23/1997		6/23/1997		12/16/1997			TRUE	TRUE	TRUE					
5435	SR611315	55G	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5436	SR611316	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5437	SR611317	55G	EMPLACED_CNTR	4/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5438	SR611318	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221J-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5439	SR611319	55G	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5440	SR611320	55G	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	11/11/1997		11/11/1997		5/6/1998			TRUE	TRUE	TRUE					
5441	SR611321	55G	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/2/1998	3/20/2008	6/2/1998	3/20/2008	11/25/1998			TRUE	TRUE	TRUE					
5442	SR611322	55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/9/1998		6/9/1998		12/2/1998			TRUE	TRUE	TRUE					
5443	SR611323	55G	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/9/1998		6/9/1998		12/2/1998			TRUE	TRUE	TRUE					
5444	SR611324	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	6/9/1998		6/9/1998		12/2/1998			TRUE	TRUE	TRUE					
5445	SR611325	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WD25-221F-HET	55300		0	6/9/1998		6/9/1998		12/2/1998			TRUE	TRUE	TRUE					
5446	SR611326	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD25-221F-HET	55300	V&P Vent	0	6/29/1998	6/29/1998	6/29/1998	9/10/2003	12/22/1998			TRUE	TRUE	TRUE					
5447	SR611327	55G	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/29/1998	4/7/2008	6/29/1998	4/7/2008	12/22/1998			TRUE	TRUE	TRUE					
5448	SR611327A	55G	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	4/7/2008		4/7/2008		9/30/2008										
5449	SR611328	55G	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	NCR-SRS-0510-04	0	7/10/1998	7/10/1998	7/10/1998	8/25/2002	1/2/1999			TRUE	TRUE	TRUE					
5450	SR611329	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	7/16/1998	7/16/1998	7/16/1998	3/14/2004	1/8/1999			TRUE	TRUE	TRUE					
5451	SR611330	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	7/10/1998	7/10/1998	7/10/1998	2/23/2004	1/2/1999			TRUE	TRUE	TRUE					
5452	SR611331	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	7/10/1998	5/30/2006	7/10/1998	5/30/2006	1/2/1999			TRUE	TRUE	TRUE					
5453	SR611332	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	7/13/1998		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
5454	SR611333	55G	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	10/1/1998	10/1/1998	10/1/1998	3/13/2004	3/24/1999			TRUE	TRUE	TRUE					
5455	SR611334	55G	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	2/21/1998		2/21/1998		8/16/1998			TRUE	TRUE	TRUE					
5456	SR611335	55G	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/9/1998	4/3/2007	6/9/1998	4/3/2007	12/2/1998			TRUE	TRUE	TRUE					
5457	SR611335A	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300			4/3/2007		4/3/2007												
5458	SR611337	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	10/9/1997		10/9/1997		4/3/1998			TRUE	TRUE	TRUE					
5459	SR611338	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	10/9/1997		10/9/1997		4/3/1998			TRUE	TRUE	TRUE					
5460	SR611340	55G	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Purge	0	3/31/1998	3/31/1998	3/31/1998	10/7/2003	9/23/1998			TRUE	TRUE	TRUE					
5461	SR611345	55G	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	10/23/1997		10/23/1997		4/17/1998			TRUE	TRUE	TRUE					
5462	SR611453	55G	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	9/9/1997		9/9/1997		3/4/1998			TRUE	TRUE	TRUE					
5463	SR611454	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	9/9/1997		9/9/1997		3/4/1998			TRUE	TRUE	TRUE					
5464	SR611455	55G	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WD25-221F-HET	55300	V&P Vent	0	9/9/1997	9/9/1997	9/9/1997	11/11/2003	3/4/1998			TRUE	TRUE	TRUE					
5465	SR611456	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	9/9/1997	2/6/2008	9/9/1997	2/6/2008	3/4/1998			TRUE	TRUE	TRUE					
5466	SR611456A	55G	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1		8/31/2007		8/31/2007				TRUE	TRUE	TRUE					
5467	SR611457	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	9/9/1997		9/9/1997		3/4/1998			TRUE	TRUE	TRUE					
5468	SR611458	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	9/9/1997		9/9/1997		3/4/1998			TRUE	TRUE	TRUE					
5469	SR611459	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	9/9/1997		9/9/1997		3/4/1998			TRUE	TRUE	TRUE					
5470	SR611460	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	9/9/1997	12/5/2003	9/9/1997	12/5/2003	3/4/1998			TRUE	TRUE	TRUE					
5471	SR611461	55G	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	9/9/1997	8/5/2003	9/9/1997	8/5/2003	3/4/1998			TRUE	TRUE	TRUE					
5472	SR611462	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	9/9/1997	9/9/1997	9/9/1997	10/22/2006	3/4/1998			TRUE	TRUE	TRUE					
5473	SR611465	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/28/1999	5/29/2004	6/28/1999	5/29/2004	12/21/1999			TRUE	TRUE	TRUE					
5474	SR611466	55G	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	6/28/1999	6/28/1999	6/28/1999	6/17/2004	12/21/1999			TRUE	TRUE	TRUE					
5475	SR611467	55G	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/28/1999	4/14/2006	6/28/1999	4/14/2006	12/21/1999			TRUE	TRUE	TRUE					
5476	SR611468	55G	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	6/28/1999	6/28/1999	6/28/1999	4/23/2004	12/21/1999			TRUE	TRUE	TRUE					
5477	SR611469	55G	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	6/28/1999	10/27/2006	6/28/1999	10/27/2006	12/21/1999			TRUE	TRUE	TRUE					
5478	SR611470	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Purge	0	3/23/1999	3/23/1999	3/23/1999	10/14/2003	9/15/1999			TRUE	TRUE	TRUE					
5479	SR611471	55G	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5480	SR611472	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	1/15/1999		1/15/1999		7/10/1999			TRUE	TRUE	TRUE					
5481	SR611473	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	2/23/1999		2/23/1999		8/18/1999			TRUE	TRUE	TRUE					
5482	SR611474	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	2/23/1999		2/23/1999		8/18/1999			TRUE	TRUE	TRUE					
5483	SR611475	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	1/15/1999		1/15/1999		7/10/1999			TRUE	TRUE	TRUE					
5484	SR611478	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	2/23/1999		2/23/1999		8/18/1999			TRUE	TRUE	TRUE					
5485	SR611479	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	2/23/1999		2/23/1999		8/18/1999			TRUE	TRUE	TRUE					
5486	SR611480	55G	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	NCR-SRS-0510-04	0	2/24/1999	2/24/1999	2/24/1999	8/26/2002	8/19/1999			TRUE	TRUE	TRUE					
5487	SR611481	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	3/9/1999	8/5/2003	3/9/1999	8/5/2003	9/1/1999			TRUE	TRUE	TRUE					
5488	SR611482	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	3/9/1999	3/9/1999	3/9/1999	3/13/2004	9/1/1999			TRUE	TRUE	TRUE					
5489	SR611483	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	3/9/1999	3/9/1999	3/9/1999	4/23/2004	9/1/1999			TRUE	TRUE	TRUE					
5490	SR611484	55G	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	3/9/1999	3/9/1999	3/9/1999	11/1/2006	9/1/1999			TRUE	TRUE	TRUE					
5491	SR611485	55G	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WD25-221F-HET	55300	NCR-SRS-0510-04	0	3/9/1999	3/9/1999	3/9/1999	1/27/2004	9/1/1999			TRUE	TRUE	TRUE					
5492	SR611486	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	Remediate	1	3/9/1999	3/21/2006	3/9/1999	3/21/2006	9/1/1999			TRUE	TRUE	TRUE					
5493	SR611488	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5494	SR611490	55G	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5495	SR611491	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5496	SR611492	55G	EMPLACED_CNTR	4/11/2012 15:02	4/28/2011 6:00	mcabee	SR-WD26-221F-HET	55300	Remediate	1	3/23/1999	3/29/2011	3/23/1999	3/29/2011	9/15/1999			TRUE	TRUE	TRUE					
5497	SR611492A	55G	EMPLACED_CNTR	10/25/2012 15:30	7/12/2012 13:58	mcabee	SR-WD26-221F-HET	55300			3/29/2011	6/27/2012	3/29/2011	6/27/2012		Added per ADickerson email 053112: Parent n SR611492, which is already emplaced; 221-F-55037 Remediation of TRU Drums.		TRUE	FALSE	TRUE	NA				
5498	SR611493	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5499	SR611494	55G	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300	V&P Vent	0	3/23/1999	3/23/1999	3/23/1999	12/1/2003	9/15/1999			TRUE	TRUE	TRUE					
5500	SR611495	55G	EMPLACED_CNTR	4/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5501	SR611496	55G	EMPLACED_CNTR	1/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5502	SR611497	55G	EMPLACED_CNTR	8/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5503	SR611498	55G	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD26-221F-HET	55300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5504	SR611499	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5505	SR611500	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	3/23/1999	10/18/2006	3/23/1999	10/18/2006	9/15/1999			TRUE	TRUE	TRUE					
5506	SR611651	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/30/1999		3/30/1999		9/22/1999			TRUE	TRUE	TRUE					
5507	SR611652	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/30/1999		3/30/1999		9/22/1999			TRUE	TRUE	TRUE					
5508	SR611653	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	3/30/1999	3/30/1999	3/30/1999	11/7/2003	9/22/1999			TRUE	TRUE	TRUE					
5509	SR611654	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	1/15/1999		1/15/1999		7/10/1999			TRUE	TRUE	TRUE					
5510	SR611655	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/30/1999		3/30/1999		9/22/1999			TRUE	TRUE	TRUE					
5511	SR611656	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	3/23/1999	8/5/2003	3/23/1999	8/5/2003	9/15/1999			TRUE	TRUE	TRUE					
5512	SR611657	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5513	SR611658	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	3/23/1999	3/23/1999	3/23/1999	3/14/2004	9/15/1999			TRUE	TRUE	TRUE					
5514	SR611659	SSG	EMPLACED_CNTR	3/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/23/1999		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
5515	SR611660	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/30/1999		3/30/1999		9/22/1999			TRUE	TRUE	TRUE					
5516	SR611661	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	3/30/1999		3/30/1999		9/22/1999			TRUE	TRUE	TRUE					
5517	SR611662	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	4/27/1999	4/27/1999	4/27/1999	9/26/2003	10/20/1999			TRUE	TRUE	TRUE					
5518	SR611667	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	4/27/1999	4/27/1999	4/27/1999	11/21/2003	10/20/1999			TRUE	TRUE	TRUE					
5519	SR611668	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	4/27/1999	4/27/1999	4/27/1999	8/26/2002	10/20/1999			TRUE	TRUE	TRUE					
5520	SR611669	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	4/27/1999	4/27/1999	4/27/1999	11/11/2003	10/20/1999			TRUE	TRUE	TRUE					
5521	SR611670	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/27/1999	4/27/1999	4/27/1999	8/8/2006	10/20/1999			TRUE	TRUE	TRUE					
5522	SR611672	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/27/1999		4/27/1999		10/20/1999			TRUE	TRUE	TRUE					
5523	SR611673	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	4/27/1999	4/27/1999	4/27/1999	3/19/2004	10/20/1999			TRUE	TRUE	TRUE					
5524	SR611674	SSG	EMPLACED_CNTR	9/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	4/27/1999		4/27/1999		10/20/1999			TRUE	TRUE	TRUE					
5525	SR611678	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	7/18/1999	7/18/1999	7/18/1999	10/1/2003	1/10/2000			TRUE	TRUE	TRUE					
5526	SR611679	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	7/18/1999		7/18/1999		1/10/2000			TRUE	TRUE	TRUE					
5527	SR611680	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	7/18/1999	7/18/1999	7/18/1999	8/25/2002	1/10/2000			TRUE	TRUE	TRUE					
5528	SR611681	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	7/11/1999		7/11/1999		1/3/2000			TRUE	TRUE	TRUE					
5529	SR611682	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	7/18/1999	7/18/1999	7/18/1999	11/21/2003	1/10/2000			TRUE	TRUE	TRUE					
5530	SR611683	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	7/10/1999		7/10/1999		1/3/2000			TRUE	TRUE	TRUE					
5531	SR611687	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	7/3/1999	7/3/1999	7/3/1999	3/13/2004	12/16/1999			TRUE	TRUE	TRUE					
5532	SR611688	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	8/11/1999	8/11/1999	8/11/1999	2/26/2004	2/3/2000			TRUE	TRUE	TRUE					
5533	SR611689	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	8/24/1999	11/14/2006	8/24/1999	11/14/2006	2/16/2000			TRUE	TRUE	TRUE					
5534	SR611690	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/24/1999	8/24/1999	8/24/1999	6/17/2004	2/16/2000			TRUE	TRUE	TRUE					
5535	SR611691	SSG			5/1/2012 15:06	mccabed	SR-W026-221F-HET	SS300			8/25/1999							TRUE	FALSE	TRUE					
5536	SR611692	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	7/10/1999	7/10/1999	7/10/1999	8/25/2003	1/3/2000			TRUE	TRUE	TRUE					
5537	SR611693	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	7/10/1999	7/10/1999	7/10/1999	10/13/2006	1/3/2000			TRUE	TRUE	TRUE					
5538	SR611694	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/25/1999	8/25/1999	8/25/1999	11/21/2003	2/17/2000			TRUE	TRUE	TRUE					
5539	SR611704	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	8/7/1998	8/5/2003	8/7/1998	8/5/2003	1/30/1999			TRUE	TRUE	TRUE					
5540	SR611705	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5541	SR611706	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/7/1998	8/7/1998	8/7/1998	3/14/2004	1/30/1999			TRUE	TRUE	TRUE					
5542	SR611707	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5543	SR611708	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5544	SR611709	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5545	SR611710	SSG	EMPLACED_CNTR	4/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5546	SR611711	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5547	SR611712	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5548	SR611713	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5549	SR611716	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/7/1998	8/7/1998	8/7/1998	3/14/2004	1/30/1999			TRUE	TRUE	TRUE					
5550	SR611717	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	8/7/1998	4/12/2006	8/7/1998	4/12/2006	1/30/1999			TRUE	TRUE	TRUE					
5551	SR611718	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5552	SR611719	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	8/7/1998		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5553	SR611720	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/7/1998	8/7/1998	8/7/1998	3/19/2004	1/30/1999			TRUE	TRUE	TRUE					
5554	SR611721	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	8/7/1998	8/7/1998	8/7/1998	3/14/2004	1/30/1999			TRUE	TRUE	TRUE					
5555	SR611722	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/2/1998		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
5556	SR611723	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/2/1998		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
5557	SR611724	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/2/1998		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
5558	SR611725	SSG	EMPLACED_CNTR	3/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/2/1998		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
5559	SR611726	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	9/2/1998	9/2/1998	9/2/1998	3/12/2004	2/25/1999			TRUE	TRUE	TRUE					
5560	SR611727	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	9/2/1998	9/2/1998	9/2/1998	3/13/2004	2/25/1999			TRUE	TRUE	TRUE					
5561	SR611728	SSG	EMPLACED_CNTR	12/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	9/2/1998	4/3/2006	9/2/1998	4/3/2006	2/25/1999			TRUE	TRUE	TRUE					
5562	SR611729	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/17/1998		9/17/1998		3/12/1999			TRUE	TRUE	TRUE					
5563	SR611730	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	9/17/1998	8/5/2003	9/17/1998	8/5/2003	3/12/1999			TRUE	TRUE	TRUE					
5564	SR611731	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	11/4/1998		11/4/1998		4/29/1999			TRUE	TRUE	TRUE					
5565	SR611732	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/17/1998		9/17/1998		3/12/1999			TRUE	TRUE	TRUE					
5566	SR611733	SSG	EMPLACED_CNTR	11/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	9/17/1998		9/17/1998		3/12/1999			TRUE	TRUE	TRUE					
5567	SR611734	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	10/1/1998		10/1/1998		3/26/1999			TRUE	TRUE	TRUE					
5568	SR611735	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	11/5/1998	11/5/1998	11/5/1998	2/29/2004	4/30/1999			TRUE	TRUE	TRUE					
5569	SR611740	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	NCR-SRS-0510-04	0	11/4/1998	11/4/1998	11/4/1998	8/26/2002	4/29/1999			TRUE	TRUE	TRUE					
5570	SR611741	SSG	EMPLACED_CNTR	11/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Purge	0	11/4/1998	11/4/1998	11/4/1998	3/1/2004	4/29/1999			TRUE	TRUE	TRUE					
5571	SR611742	SSG	EMPLACED_CNTR	5/15/2011 14:18	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	11/5/1998	10/13/2003	11/5/1998	10/13/2003	4/30/1999	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
5572	SR611743	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300		0	11/5/1998		11/5/1998		4/30/1999			TRUE	TRUE	TRUE					
5573	SR611745	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/15/1999	1/15/1999	1/15/1999	3/12/2004	7/10/1999			TRUE	TRUE	TRUE					
5574	SR611746	SSG	EMPLACED_CNTR	7/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	V&P Vent	0	1/15/1999	1/15/1999	1/15/1999	3/12/2004	7/10/1999			TRUE	TRUE	TRUE					
5575	SR611747	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HET	SS300	Remediate	1	1/15/1999	8/5/2003	1/15/1999	8/5/2003	7/10/1999			TRUE	TRUE	TRUE					
5576	FBL060205	SSG	EMPLACED_CNTR	2/18/2012 14:08	4/28/2011 6:00	WWIS_Updt	SR-W028-221F-HET-A	SS400		0	11/2/2005		11/2/2005		4/27/2006										
5577	FCAN040001	SSG	EMPLACED_CNTR	2/18/2012 9:38	4/28/2011 6:00	idcwebuser	SR-W026-221F-HET-A	SS400		0	6/8/2004		6/8/2004		12/1/2004										
5578	FCAN040002	SSG	EMPLACED_CNTR	2/18/2012 9:38	4/28/2011 6:00	idcwebuser	SR-W026-221F-HET-A	SS400		0	6/8/2004		6/8/2004		12/1/2004										
5579	FCAN040003	SSG	EMPLACED_CNTR	6/28/2012 10:20	4/19/2012 17:20	mccabed	SR-W026-221F-HET-A	SS400		0	6/8/2004		6/8/2004					TRUE	FALSE	TRUE					
5580	FCAN040004	SSG	EMPLACED_CNTR	6/28/2012 10:20	4/19/2012 17:20	mccabed	SR-W026-221F-HET-A	SS400		0	6/8/2004		6/8/2004					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5581	FCAN05002C	SLB2			8/12/2013 8:12	mccabed	SR-W026-221F-HET-A	S5400			6/27/2013		6/27/2013	6/27/2013		Added per JHarrison email 070113; Added ventdate1 per JHarrison email 081913; Changed ventdate1 per dReutzel email 082113.		FALSE	FALSE	FALSE	NA				
5582	FCAN05002D	SWB			7/1/2013 15:27	mccabed	SR-W026-223F-HET-A	S5400			6/27/2013		6/27/2013			Added per JHarrison email 070113		FALSE	FALSE	FALSE	NA				
5583	HMFG11415A	SWB			6/26/2013 10:43	mccabed	SR-W026-223F-HET-A	S5400			9/21/2005	6/10/2013		6/10/2013		Added per JHarrison email 062613.		FALSE	FALSE	FALSE	NA				
5584	HMFG11416A	SWB			6/26/2013 10:44	mccabed	SR-W026-223F-HET-A	S5400			9/21/2005	6/12/2013		6/13/2013		Added per JHarrison email 062613.		TRUE	TRUE	TRUE					
5585	FBL000045	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	2/16/2000		2/16/2000		8/10/2000			TRUE	TRUE	TRUE					
5586	FBL01056	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	1/25/2002		1/25/2002		7/30/2002			TRUE	TRUE	TRUE					
5587	FBL01063	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 8:54	mccabed	SR-W026-221F-HOM	S3110		0	11/6/2001		11/6/2001			Added AEA per ACantu email 090811		TRUE	TRUE	TRUE					
5588	FBL02096	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	10/1/2002	7/30/2008	10/1/2002	7/30/2008	3/26/2003			TRUE	TRUE	TRUE					
5589	FBL06051	SSG	EMPLACED_CNTR	4/10/2012 15:08	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	12/5/2005		12/5/2005		5/30/2006			TRUE	TRUE	TRUE					
5590	SR121491	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	7/10/1980	8/7/2008	5/11/1998	8/7/2008	11/3/1998	Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream		TRUE	TRUE	TRUE					
5591	SR123429B	SSG			8/18/2011 21:55	mccabed	SR-W026-221F-HOM	S3110		0	1/19/2010		1/19/2010			Unexcluded & waste stream changed per JMontoya email 012511		TRUE	TRUE	TRUE					
5592	SR123460A	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	5/7/2007	8/28/2008	5/7/2007	8/28/2008	10/30/2007	NCR-SRS-0337-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5593	SR123460B	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	8/28/2008		8/28/2008		2/20/2009	Daughter of SR123460A added 012309 DMc per J Harrison email		TRUE	TRUE	TRUE					
5594	SR123523	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	5/14/1981	1/26/2010	4/15/1998	1/26/2010	10/9/1998	NCR-SRS-0349-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5595	SR123523A	SSG			4/28/2011 6:00	bkmeltzer	SR-W026-221F-HOM	S3110		0	1/26/2010		1/26/2010		7/21/2010			TRUE	TRUE	TRUE					
5596	SR123523B	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-221F-HOM	S3110		0	1/26/2010		1/26/2010		7/21/2010	SR123523 is the parent container.		TRUE	TRUE	TRUE					
5597	SR130541	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	7/21/1981	7/30/2008	3/5/1998	7/30/2008	8/28/1998	NCR-SRS-0346-07, not S5000 debris waste 07/31/08. Waste Steam added 123008 per C. Simmons DMc. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5598	SR130542	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	7/21/1981	8/4/2008	8/18/1997	8/4/2008	2/10/1998	Was EXCLD - not >50% debris, 10/16/2007 by LAR added back 123008 DMc - CS,NCR-SRS-0348-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc		TRUE	TRUE	TRUE					
5599	SR130542A	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	8/4/2008		8/4/2008		1/27/2009	Was EXCLD- not >50% debris, 10/16/2007 by LAR - CS added back 012309 DMc per J Harrison email. NCR-SRS-0348-07, not S5000 debris waste 07/31/08.		TRUE	TRUE	TRUE					
5600	SR130593	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	9/3/1981	5/16/2007	8/31/1998	5/16/2007	2/23/1999	NCR-SRS-0344-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5601	SR130627	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 8:55	mccabed	SR-W026-221F-HOM	S3110	Remediate	1	9/29/1981	5/9/2007	8/19/1998	5/9/2007		NCR-SRS-0338-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB. Added AKA per ACantu email 090811		TRUE	TRUE	TRUE					
5602	SR130640	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	10/6/1983	7/30/2008	8/17/1998	7/30/2008	2/9/1999	NCR-SRS-0339-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5603	SR130668	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	10/20/1981	5/23/2007	10/6/1998	5/23/2007	1/31/1999	Was EXCLD - not >50% debris, 10/16/2007 by LAR - CS added back 123008 DMc-CS,NCR-SRS-0348-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc		TRUE	TRUE	TRUE					
5604	SR135042	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	8/12/1982	5/23/2007	7/29/1998	5/23/2007	1/21/1999	NCR-SRS-0348-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5605	SR135075A	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	6/5/2007		6/5/2007		11/28/2007	Was EXCLD - not >50% debris, 10/16/2007 by LAR - CS added back 123008 DMc-CS, NCR-SRS-0355-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc		TRUE	TRUE	TRUE					
5606	SR135078	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 8:55	mccabed	SR-W026-221F-HOM	S3110	Remediate	1	10/5/1982	7/10/2008	6/9/1998	7/10/2008		Was EXCLD not >50% debris added back per C. Simmons 123008 DMc, 10/16/2007 by LAR - CS,NCR-SRS-0356-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc. Added AKA per ACantu email 090811.		TRUE	TRUE	TRUE					
5607	SR135078A	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	6/6/2007		6/6/2007		11/29/2007	Was EXCLD - not >50% debris, 10/16/2007 by LAR - CS added back 123008 DMc-CS,NCR-SRS-0356-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc		TRUE	TRUE	TRUE					
5608	SR135093	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	10/5/1982		6/9/1998		12/2/1998	Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream		TRUE	TRUE	TRUE					
5609	SR138962	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	5/13/1982	1/27/2010	8/11/1998	1/27/2010	2/3/1999	Was EXCLD - not >50% debris, 10/16/2007 by LAR - CS added back 123008 DMc ,NCR-SRS-0353-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc-CS		TRUE	TRUE	TRUE					
5610	SR138967	SSG	EMPLACED_CNTR	4/17/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	6/3/1982	5/10/2007	8/11/1998	5/10/2007	2/3/1999	NCR-SRS-0342-07, not S5000 debris waste 07/31/08 Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5611	SR138977	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	6/8/1982	8/4/2006	9/1/1998	8/4/2008	2/24/1999	NCR-SRS-0341-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5612	SR138983	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	6/15/1982	8/7/2008	8/26/1998	8/7/2008	2/18/1999	NCR-SRS-0345-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc-CS. S3000 waste will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5613	SR148805	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	10/18/1983	10/7/2006	5/26/1998	10/7/2006	11/18/1998	NCR-SRS-0182-06, Waste stream added 123008 DMc-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5614	SR148809	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	10/25/1983	9/22/2006	4/7/1998	9/22/2006	9/30/1998	NCR-SRS-0183-06, Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5615	SR154853	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 8:56	mccabed	SR-W026-221F-HOM	53110	Remediate	1	2/6/1985	11/7/2006	3/18/1993	11/7/2006		Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream; Added AKA per ACantu email 090811.		TRUE	TRUE	TRUE					
5616	SR171857	SSG			10/4/2011 12:40	mccabed	SR-W026-221F-HOM	53110	V&P Purge	0	6/27/1985	6/27/1985	12/31/1999	9/5/2003		Changed WS per JHarrison email 100411.		TRUE	TRUE	TRUE					
5617	SR172012	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	5/7/1985	10/31/2006	12/31/1999	10/31/2006	6/24/2000	Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream		TRUE	TRUE	TRUE					
5618	SR193759	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	9/19/1985	11/2/2006	1/17/1995	11/2/2006	7/12/1995	Waste STream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream		TRUE	TRUE	TRUE					
5619	SR226936	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110		0	5/28/1987		6/30/1995		12/13/1995	Was EXCLD added back 123008 DMc-CS. TBD S3000 by AKE 1-24-07 Waste Stream added 123008 DMc. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5620	SR235185	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110		0	7/20/1990		9/26/1996		3/21/1997			TRUE	TRUE	TRUE					
5621	SR235215	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	8/6/1990	11/3/2006	7/29/1996	11/3/2006	1/21/1997	Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste and will be added to new wastestream 06/12/2007 SRB		TRUE	TRUE	TRUE					
5622	SR235217	SSG	EMPLACED_CNTR	4/27/2012 9:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	8/6/1990	10/30/2006	6/17/1996	10/30/2006	12/10/1996	Was EXCLD from AK Spreadsheet Dec 31 2007 9:46AM per CS email added back 123008 DMc-CS		TRUE	TRUE	TRUE					
5623	SR235219	SSG	EMPLACED_CNTR	4/27/2012 9:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	8/6/1990	11/3/2006	7/16/1996	11/3/2006	1/8/1997	Was EXCLD from AK Spreadsheet Dec 31 2007 9:50AM per CS email added back 123008 DMc-CS		TRUE	TRUE	TRUE					
5624	SR236859	SSG	EMPLACED_CNTR	4/27/2012 9:53	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediation	0	10/30/1989	8/8/2002	6/30/1995	8/8/2002	12/13/1995	Was EXCLD TBD S3000 by AKE 1-24-07 added back 123008 DMc-CS. Waste Stream added 123008 DMc. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5625	SR510552	SSG	EMPLACED_CNTR	4/27/2012 9:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	7/5/1979	6/7/2007		6/7/2007		Was EXCLD - not >50% debris, 10/16/2007 by LAR - CS added back 123008 DMc-CS,NCR-SRS-0358-07, not S5000 debris waste 07/31/08. Waste Stream added 123008 DMc		TRUE	TRUE	TRUE					
5626	SR514741	SSG			6/9/2011 8:47	mccabed	SR-W026-221F-HOM	53110	Remediate	1	5/28/1981	1/13/2010		1/13/2010		Added back & waste stream changed per JMontoya email 012511		TRUE	TRUE	TRUE					
5627	SR514741A	SSG			8/18/2011 21:53	mccabed	SR-W026-221F-HOM	53110		0	1/23/2010		1/23/2010			Unexcluded and waste stream changed per JMontoya email 012511		TRUE	TRUE	TRUE					
5628	SR520188	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	3/13/1984	2/6/2008		2/6/2008		Nolvenc 08/23/2007 V&P Vent, NCR-SRS-0722-08, does not meet the definition for S5000 debris waste, Waste Stream added 123008 DMc-CS.		TRUE	TRUE	TRUE					
5629	SR529026A	SSG			4/24/2012 20:53	mccabed	SR-W026-221F-HOM	53110	Remediation	0	8/6/2008	4/18/2012	8/6/2008	4/18/2012		Added back to AK and changed waste stream per MPapp email 050911		TRUE	TRUE	TRUE					
5630	SR529289A	SSG	EMPLACED_CNTR	6/1/2012 10:24	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110		0	7/16/2007		7/16/2007		1/8/2008	EXCL - not >50% debris, 10/16/2007 by LAR - CS, reclassified as 33000 per CS 4/9/08 LAR		TRUE	TRUE	TRUE					
5631	SR541390	SSG	EMPLACED_CNTR	4/27/2012 9:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	5/17/1988	8/24/2007	6/30/1995	8/24/2007	12/13/1995	S3000 based on AK - Jeff Harrison. Waste Stream added 123008 DMc-CS		TRUE	TRUE	TRUE					
5632	SR543695	SSG	EMPLACED_CNTR	4/27/2012 9:52	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110		0	10/31/1986		2/24/2004		8/18/2004	Vent date is RTR fast scan date per J. Harrison 21609 DMc		TRUE	TRUE	TRUE					
5633	SR548239	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 9:02	mccabed	SR-W026-221F-HOM	53110	Remediate	1	2/20/1987	11/2/2007	6/30/1995	11/2/2007		Changed Waste Stream 123008 DMc-CS; Added AKA per ACantu email 090811.		TRUE	TRUE	TRUE					
5634	SR548257A	SSG			6/9/2011 12:57	mccabed	SR-W026-221F-HOM	53110		0	3/19/2007		3/19/2007			Added back to AK and changed waste stream per MPapp email 060911		TRUE	TRUE	FALSE					
5635	SR595891	SSG	EMPLACED_CNTR	4/27/2012 15:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	11/12/1991	8/18/2008	11/12/1991	8/18/2008	5/6/1992	Re-evaluation to change waste stream per JLuginbyhl 061709		TRUE	TRUE	TRUE					
5636	SR609747	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	53110	Remediate	1	2/27/1995	12/16/2009	9/16/1996	12/16/2009	3/11/1997	AK re-evaluation from S5000 to S3000, SBR 3-13-07 Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5637	SR609747A	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	klcwebuser	SR-W026-221F-HOM	53110		0	12/16/2009		12/16/2009		6/10/2010			TRUE	TRUE	TRUE					
5638	SR611165	SSG	EMPLACED_CNTR	4/12/2012 15:08	9/12/2011 9:03	mccabed	SR-W026-221F-HOM	53110	Remediate	1	7/13/1996	10/5/2006	6/19/1997	10/5/2006		NCR-SRS-0187-06, Waste Stream added 123008 DMc-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07; Added AKA per ACantu email 090811.		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5639	SR611169	SSG	EMPLACED_CNTR	4/29/2012 9:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	8/20/1996	2/13/2007	6/19/1997	2/13/2007	12/12/1997	10/13/06 Rem. - AK re-evaluation from S5000 to S3000, SBR 3-13-07 Waste Stream added 123008 DMI-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5640	SR611346	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	10/23/1997	10/8/2006	10/23/1997	10/8/2006	4/17/1998	NCR-SRS-0188-06, Waste Stream added 123008 DMI-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5641	SR611452	SSG	EMPLACED_CNTR	4/29/2012 9:14	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110	Remediate	1	9/9/1997	10/7/2006	9/9/1997	10/7/2006	3/4/1998	Waste Stream added 123008 DMI-CS. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovansek 3/26/07		TRUE	TRUE	TRUE					
5642	SR611714	SSG	EMPLACED_CNTR	4/14/2012 14:54	4/28/2011 6:00	WWIS_Updt	SR-W026-221F-HOM	S3110		0	8/7/1996		8/7/1998		1/30/1999			TRUE	TRUE	TRUE					
5643	772F000007A	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediation	0		2/27/2008		2/27/2008											
5644	772F000002	SSG	EMPLACED_CNTR	5/23/2012 14:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/8/2000	11/20/2004	8/8/2000	11/20/2004	1/31/2001	WWIS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
5645	772F000006	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/8/2000		8/8/2000		1/31/2001										
5646	772F000007	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/8/2000		8/8/2000		1/31/2001										
5647	772F000008	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/8/2000	10/19/2006	8/8/2000	10/19/2006	1/31/2001										
5648	772F000009	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	2/3/2006	6/18/1998	2/3/2006	12/11/1998										
5649	772F000010	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/24/2004	6/18/1998	6/24/2004	12/11/1998										
5650	772F000011	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/25/2004	6/18/1998	6/25/2004	12/11/1998										
5651	772F000012	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	4/13/2006	6/18/1998	4/13/2006	12/11/1998										
5652	772F000013	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/24/2004	6/18/1998	6/24/2004	12/11/1998										
5653	772F000014	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	12/1/2004	6/18/1998	12/1/2004	12/11/1998										
5654	772F000015	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	3/26/2006	6/18/1998	3/26/2006	12/11/1998										
5655	772F000016	SSG	EMPLACED_CNTR	10/7/2010 19:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	12/9/2004	6/18/1998	12/9/2004	12/11/1998										
5656	772F000017	SSG	EMPLACED_CNTR	10/7/2010 19:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/25/2004	6/18/1998	6/25/2004	12/11/1998										
5657	772F000018	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	1/31/2011	6/18/1998	1/31/2011				TRUE	TRUE	TRUE					
5658	772F000019	SSG	EMPLACED_CNTR	11/16/2011 11:01	5/12/2011 12:26	mccabed	SR-W026-772F-HET	S5300	Remediate	0	6/18/1998		6/18/1998												
5659	772F000020	SSG	EMPLACED_CNTR	10/7/2010 19:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	7/1/2004	6/18/1998	7/1/2004	12/11/1998										
5660	772F000021	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/26/2004	6/18/1998	6/26/2004	12/11/1998			TRUE	TRUE	TRUE					
5661	772F000022	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	2/3/2006	6/18/1998	2/3/2006	12/11/1998										
5662	772F000023	SSG	EMPLACED_CNTR	10/7/2010 19:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	3/26/2006	6/18/1998	3/26/2006	12/11/1998										
5663	772F000024	SSG	EMPLACED_CNTR	8/21/2010 9:54	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	10/19/2006	6/18/1998	10/19/2006	12/11/1998										
5664	772F000025	SSG	EMPLACED_CNTR	4/29/2012 15:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediation	0	6/18/1998	12/2/2009	6/18/1998	12/2/2009	12/11/1998			TRUE	TRUE	TRUE					
5665	772F000028	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	4/21/2006	6/18/1998	4/21/2006	12/11/1998										
5666	772F000027	SSG			5/15/2012 14:53	mccabed	SR-W026-772F-HET	S5300		0	6/18/1998	3/29/2012	6/18/1998	3/29/2012			- Rpkgd into 772F000027A	TRUE	TRUE	TRUE					
5667	772F000028	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	6/16/2004	6/18/1998	6/16/2004	12/11/1998										
5668	772F000029	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	2/4/2006	6/18/1998	2/4/2006	12/11/1998										
5669	772F000030	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/3/2000		8/3/2000		1/26/2001										
5670	772F000031	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/11/2000		7/11/2000		1/3/2001										
5671	772F000032	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5672	772F000033	SSG	EMPLACED_CNTR	12/19/2001	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5673	772F000034	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5674	772F000035	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5675	772F000036	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5676	772F000037	SSG	EMPLACED_CNTR	5/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/2000		8/4/2000		1/27/2001										
5677	772F000041	SSG	EMPLACED_CNTR	8/26/2010 19:03	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	10/10/2006	6/18/1998	10/10/2006	12/11/1998										
5678	772F000042	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/18/1998	7/11/2008	6/18/1998	7/11/2008	12/11/1998										
5679	772F000043	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/7/2000		8/7/2000		1/30/2001										
5680	772F000044	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/1/1999		7/1/1999		12/24/1999										
5681	772F000048	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/8/2000	4/5/2006	8/8/2000	4/5/2006	1/31/2001										
5682	772F000049	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/8/2000		8/8/2000												
5683	772F00027A	SSG	EMPLACED_CNTR	11/15/2012 12:46	5/15/2012 14:48	mccabed	SR-W026-772F-HET	S5300		0	3/29/2012		3/29/2012			Removed one zero to meet the 10 character limit	- Rpkgd wat 772F000027	TRUE	TRUE	TRUE			772F000027		Daughter
5684	772F010001	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/16/2000		10/16/2000		4/10/2001										
5685	772F010002	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/16/2000		10/16/2000		4/10/2001										
5686	772F010003	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/16/2000		10/16/2000		4/10/2001										
5687	772F010004	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/13/2000		2/13/2000		8/17/2000										
5688	772F010005	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/16/2000		10/16/2000		4/10/2001										
5689	772F010006	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/19/2000		9/19/2000		3/14/2001										
5690	772F010007	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/16/2000	6/20/2005	8/16/2000	6/20/2005	2/8/2001										
5691	772F010008	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/20/2000		8/20/2000		2/12/2001										
5692	772F010009	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/30/2000		8/30/2000		2/22/2001										
5693	771F010010	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/25/2000		7/25/2000		1/17/2001										
5694	772F010011	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/25/2002		7/25/2002		1/17/2003										
5695	772F010012	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/10/2000		8/10/2000		2/2/2001										
5696	772F010013	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/10/2000		8/10/2000		2/2/2001										
5697	772F010014	SSG	EMPLACED_CNTR	5/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/2000		8/16/2000		2/8/2001										
5698	772F010015	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/15/2000	1/11/2007	6/15/2000	1/11/2007	12/8/2000										
5699	773F010016	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/23/2000	5/15/2006	8/23/2000	5/15/2006	2/15/2001										
5700	772F010017	SSG	EMPLACED_CNTR	10/14/2010 11:00	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/23/2000	7/1/2004	8/23/2000	7/1/2004	2/15/2001										
5701	772F010018	SSG	EMPLACED_CNTR	5/26/2011 18:48	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/22/2001	8/27/2005	2/22/2001	8/27/2005	8/17/2001	NCR-SRS-0569-04, Rev.2 VE performed 8/27/05		TRUE	TRUE	TRUE					
5702	772F010019	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/10/2001		1/10/2001		7/5/2001										
5703	772F010020	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/8/2001		1/8/2001		7/3/2001										
5704	772F010021	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/12/2000	3/13/2006	12/12/2000	3/13/2006	6/6/2001										
5705	772F010022	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/2001		1/18/2001		7/13/2001										
5706	772F010023	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/2001		1/18/2001		7/13/2001										
5707	772F010024	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/2001		1/18/2001		7/13/2001										
5708	772F010025	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/28/2000		11/28/2000		5/23/2001										
5709	772F010026	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/28/2000		11/28/2000		5/23/2001										
5710	772F010027	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/7/2001		2/7/2001		8/2/2001										
5711	772F010028	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/17/2000		11/17/2000		5/12/2001										
5712	772F010029	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/17/2000		11/17/2000		5/12/2001										
5713	772F010030	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/31/2000		8/31/2000		2/23/2001										
5714	772F010031	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/17/2001		3/17/2001		9/5/2001										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5715	772F010032	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/21/2001	3/21/2001	3/21/2001	4/8/2004	8/16/2001										
5716	772F010033	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/12/2001		5/12/2001		11/8/2001										
5717	772F010034	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/1/2001		5/1/2001		10/24/2001										
5718	772F010035	55G	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/15/2001		3/15/2001		9/17/2001										
5719	772F010036	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/22/2001	4/22/2001	4/22/2001	4/9/2004	10/15/2001										
5720	772F010037	55G	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/27/2001		2/27/2001		8/22/2001										
5721	772F010038	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/12/2001		2/12/2001		8/7/2001										
5722	772F010039	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/2001		3/27/2001		9/19/2001										
5723	772F010040	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/27/2001		2/27/2001		8/22/2001										
5724	772F010041	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/7/2001		1/7/2001		7/2/2001										
5725	772F010042	55G	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/11/2000		12/11/2000		6/15/2001										
5726	772F010043	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/18/2001		4/18/2001		10/11/2001										
5727	772F010044	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/7/2001		3/7/2001		8/30/2001										
5728	772F010045	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-HET	55300		0	8/28/2000		8/28/2000		2/20/2001										
5729	772F010046	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/24/2001		1/24/2001		7/19/2001										
5730	772F010047	55G	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/27/1999	4/17/2006	5/27/1999	4/17/2006	11/19/1999										
5731	772F010048	55G	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/17/1998	5/11/2005	12/17/1998	5/11/2005	6/11/1999										
5732	772F010049	55G	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/16/2001	7/16/2001	7/16/2001	4/9/2004	1/8/2002										
5733	772F010050	55G	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/16/2001	7/16/2001	7/16/2001	4/10/2004	1/8/2002										
5734	772F010051	55G	EMPLACED_CNTR	8/26/2010 19:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/16/2001	7/16/2001	7/16/2001	4/10/2004	1/8/2002										
5735	772F010052	55G	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/16/2001	7/16/2001	7/16/2001	4/10/2004	1/8/2002										
5736	772F010053	55G	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/16/2001	10/19/2006	7/16/2001	10/19/2006	1/8/2002										
5737	772F010054	55G	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/24/2001	4/24/2001	4/24/2001	4/10/2004	10/17/2001										
5738	772F010055	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/30/2001		5/30/2001		11/22/2001										
5739	772F010056	55G	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/30/2001		5/30/2001		11/22/2001										
5740	772F010057	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/24/2001		4/24/2001		10/17/2001										
5741	772F010058	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/7/2001		7/7/2001		12/30/2001										
5742	772F010059	55G	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/25/2001	6/16/2004	7/25/2001	6/16/2004	1/17/2002										
5743	772F010060	55G	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/4/2001	6/16/2004	7/4/2001	6/16/2004	12/27/2001										
5744	772F010061	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/8/2001		8/8/2001		1/31/2002										
5745	772F010062	55G	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/13/2001		6/13/2001		12/6/2001										
5746	772F010063	55G	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/17/2001	6/16/2004	8/17/2001	6/16/2004	2/9/2002										
5747	772F010064	55G	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-HET	55300	V&P Vent	0	8/28/2001	8/28/2001	8/28/2001	5/5/2004	2/20/2002										
5748	772F020001	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/28/2001		8/28/2001		2/20/2002										
5749	772F020002	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/13/2001		9/13/2001		3/7/2002										
5750	772F020003	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	9/12/2001	9/12/2001	9/12/2001	4/23/2004	3/7/2002										
5751	772F020004	55G	EMPLACED_CNTR	2/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/12/2001		12/12/2001		6/6/2002										
5752	772F020006	55G	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/3/2001	6/27/2004	10/3/2001	6/27/2004	3/28/2002										
5753	772F020007	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/5/2001		9/5/2001		2/28/2002										
5754	772F020008	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/8/2001		10/8/2001		4/2/2002										
5755	772F020009	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/4/1996	3/4/1996	3/4/1996	5/7/2004	8/27/1996			TRUE	TRUE	TRUE					
5756	772F020010	55G	EMPLACED_CNTR	5/26/2011 18:44	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/3/2001	12/8/2009	10/3/2001	12/8/2009	3/28/2002										
5757	772F020011	55G	EMPLACED_CNTR	8/21/2010 10:25	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/23/2002	1/23/2002	1/23/2002	4/10/2004	7/18/2002										
5758	772F020012	55G	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-HET	55300		0	12/6/2001		12/6/2001		5/31/2002										
5759	772F020013	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/28/2001		8/28/2001		2/20/2002										
5760	772F020014	55G	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	12/4/2001	12/4/2001	12/4/2001	4/8/2004	5/29/2002										
5761	772F020015	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/28/2001	2/22/2006	11/28/2001	2/22/2006	5/23/2002										
5762	772F020019	55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	12/4/2001	12/4/2001	12/4/2001	4/23/2004	5/29/2002										
5763	772F020020	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/26/2001	11/26/2001	11/26/2001	4/9/2004	5/21/2002										
5764	772F020021	55G	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	10/31/2001	10/31/2001	10/31/2001	2/27/2004	4/25/2002										
5765	772F020023	55G	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/16/2002	1/16/2002	1/16/2002	4/23/2004	7/11/2002										
5766	772F020024	55G	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-HET	55300	V&P Vent	0	1/16/2002	1/16/2002	1/16/2002	4/9/2004	7/11/2002										
5767	772F020025	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/4/2002		3/4/2002		8/27/2002										
5768	772F020026	55G	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	1/28/2002	1/28/2002	1/28/2002	2/4/2004	7/23/2002										
5769	772F020027	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/7/2002	1/7/2002	1/7/2002	1/6/2004	7/1/2002										
5770	772F020028	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/28/2002	1/28/2002	1/28/2002	2/4/2004	7/23/2002										
5771	772F020029	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/30/2002		1/30/2002		7/25/2002										
5772	772F020030	55G	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	2/3/2002	2/3/2002	2/3/2002	1/6/2004	7/29/2002										
5773	772F020031	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	2/6/2002	2/6/2002	2/6/2002	4/9/2004	8/1/2002										
5774	772F020032	55G	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/6/2002		2/6/2002		8/1/2002										
5775	772F020033	55G	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	2/14/2002	2/14/2002	2/14/2002	5/7/2004	8/9/2002										
5776	772F020034	55G	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/4/2002		2/4/2002		7/30/2002										
5777	772F020035	55G	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/2/2002	4/2/2002	4/2/2002	4/23/2004	9/25/2002										
5778	772F020036	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/11/2001		12/11/2001		6/5/2002										
5779	772F020037	55G	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/2/2002		4/2/2002		9/25/2002										
5780	772F020038	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/19/2001		12/19/2001		6/13/2002										
5781	772F020039	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/21/2002		1/21/2002		7/16/2002										
5782	772F020040	55G	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	2/28/2002	2/28/2002	2/28/2002	4/23/2004	8/23/2002										
5783	772F020041	55G	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/16/2002	4/16/2002	4/16/2002	4/9/2004	10/9/2002										
5784	772F020042	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/24/2002	3/24/2003	3/24/2002	4/23/2004	9/16/2002										
5785	772F020043	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/2002		3/11/2002		9/3/2002										
5786	772F020044	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/5/2002	4/5/2002	4/5/2002	4/8/2004	9/28/2002			TRUE	TRUE	TRUE					
5787	772F020045	SWB	EMPLACED_CNTR	1/2/2012 13:19	6/13/2011 15:44	mccabed	SR-W026-772F-HET	55300		0	5/31/2002		5/31/2002												
5788	772F020046	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/3/2002	4/3/2002	4/3/2002	4/9/2004	9/26/2002										
5789	772F020047	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/24/2002		3/24/2002		9/16/2002										
5790	772F020048	55G	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/5/2002	4/5/2002	4/5/2002	2/4/2004	9/28/2002										
5791	772F020049	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/30/2002		4/30/2002		10/23/2002										
5792	772F020051	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/1/2002	5/1/2003	5/1/2002	4/9/2004	10/24/2002										
5793	772F020052	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/13/2002	5/13/2003	5/13/2002	1/6/2004	11/15/2002										
5794	772F020054	55G	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	1/9/2003	6/12/2005	1/9/2003	6/12/2005	7/4/2003										
5795	772F020055	55G	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/8/2002	5/8/2002	5/8/2002	1/6/2004	10/31/2002										
5796	772F020056	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/17/2002		6/17/2002		12/10/2002										
5797	772F020057	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/17/2002		6/17/2002		12/10/2002										
5798	772F020058	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/17/2002	6/17/2002	6/17/2002	2/4/2004	12/10/2002										
5799	772F020059	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/17/2002		6/17/2002		12/10/2002										
5800	772F020060	55G	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-HET	55300	V&P Vent	0	6/18/2002	6/16/2002	6/16/2002	2/4/2004	12/9/2002										
5801	772F020061	55G	EMPLACED_CNTR	8/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/9/2002	7/9/2002	7/9/2002	4/9/2004	1/1/2003										
5802	772F020062	55G	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	6/17/2002	6/23/2006	6/17/2002	6/23/2006	12/10/2002										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5803	772F020064	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/17/2002	6/17/2002	6/17/2002	10/28/2005	12/10/2002										
5804	772F020065	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	7/26/2002	10/25/2006	7/26/2002	10/25/2006	1/18/2003										
5805	772F020066	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	7/24/2002		7/24/2002		1/18/2003										
5806	772F020067	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	6/17/2002		6/17/2002		12/10/2002										
5807	772F020068	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	6/27/2002		6/27/2002		12/20/2002										
5808	772F020069	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	7/26/2002	7/26/2002	7/26/2002	4/23/2004	1/18/2003										
5809	772F030001	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	8/15/2002		8/15/2002		2/7/2003										
5810	772F030002	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/26/2002	8/26/2002	8/26/2002	4/9/2004	2/18/2003										
5811	772F030003	SSG	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	8/21/2002		8/21/2002		2/13/2003										
5812	772F030004	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	8/21/2002		8/21/2002		2/13/2003										
5813	772F030005	SSG	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	9/19/2002	5/11/2005	9/19/2002	5/11/2005	3/14/2003										
5814	772F030006	SSG	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	9/26/2002	11/13/2007	9/26/2002	11/13/2007	3/11/2003										
5815	772F030007	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	7/31/2002	9/11/2008	7/31/2002	9/11/2008	1/23/2003										
5816	772F030008	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	9/12/2002	9/12/2002	9/12/2002	12/4/2006	3/7/2003										
5817	772F030009	SSG	EMPLACED_CNTR	10/14/2010 11:00	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	10/31/2002	12/7/2004	10/31/2002	12/7/2004	4/25/2003										
5818	772F030010	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	10/31/2002	10/31/2002	10/31/2002	4/9/2004	4/25/2003										
5819	772F030012	SSG	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	10/31/2002	10/31/2002	10/31/2002	4/23/2004	4/25/2003										
5820	772F030013	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	7/25/2000		7/25/2000		1/17/2001										
5821	772F030014	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	4/23/2004	4/23/2003										
5822	772F030015	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	4/9/2004	4/23/2003										
5823	772F030016	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	10/24/2002		10/24/2002		4/18/2003										
5824	772F030017	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	9/26/2002	9/26/2002	9/26/2002	4/23/2004	3/11/2003										
5825	772F030018	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	11/21/2002	11/21/2002	11/21/2002	4/9/2004	5/16/2003										
5826	772F030019	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	11/21/2002		11/21/2002		5/16/2003										
5827	772F030020	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/12/2002		12/12/2002		6/6/2003										
5828	772F030021	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	12/11/2002	12/11/2002	12/11/2002	4/8/2004	6/5/2003										
5829	772F030022	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0*	12/11/2002		12/11/2002		6/5/2003										
5830	772F030023	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	1/2/2003	1/2/2003	1/2/2003	10/13/2006	6/27/2003										
5831	772F030024	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	1/2/2003	1/2/2003	1/2/2003	5/3/2004	6/27/2003										
5832	772F030025	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	1/21/2002	3/14/2008	1/21/2003	3/14/2008	7/16/2003										
5833	772F030026	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	1/21/2003	4/8/2008	1/21/2003	4/8/2008	7/24/2003										
5834	772F030027	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	1/21/2003	1/21/2003	1/21/2003	4/23/2004	7/16/2003										
5835	772F030029	SSG	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	2/13/2002	2/13/2002	2/13/2002	11/27/2004	8/8/2002										
5836	772F030030	SSG	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	2/13/2003	2/13/2003	2/13/2003	4/8/2004	8/8/2003										
5837	772F030031	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	1/21/2003	1/21/2003	1/21/2003	4/9/2004	7/16/2003										
5838	772F030032	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/22/2002		12/22/2002		6/16/2003										
5839	772F030033	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	1/21/2003		1/21/2003		7/16/2003										
5840	772F030034	SSG	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/22/2002		12/22/2002		6/16/2003										
5841	772F030035	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/11/2003	3/11/2003	3/11/2003	3/12/2004	9/3/2003										
5842	772F030036	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	11/20/2002	6/19/2006	11/20/2002	6/19/2006	5/15/2003										
5843	772F030037	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	11/20/2002		11/20/2002		5/15/2003										
5844	772F030039	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	5/6/2003	4/19/2007	5/6/2003	4/19/2007	8/29/2003										
5845	772F030040	SSG	EMPLACED_CNTR	10/30/2010 10:58	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	5/6/2003		5/6/2003		8/29/2003										
5846	772F030044	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	2/13/2003	2/13/2003	2/13/2003	11/6/2005	8/8/2003										
5847	772F030045	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/12/2003		2/12/2003		8/7/2003										
5848	772F030046	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	2/13/2003	5/11/2006	2/13/2003	5/11/2006	8/8/2003										
5849	772F030047	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	1/15/2003		1/15/2003		7/10/2003										
5850	772F030048	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/12/2003		2/12/2003		8/7/2003										
5851	772F030049	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/13/2003		2/13/2003		8/8/2003										
5852	772F030051	SSG	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/27/2003	3/27/2003	3/27/2003	5/3/2004	9/19/2003										
5853	772F030052	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	3/5/2003		3/5/2003		8/28/2003										
5854	772F030053	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	3/13/2003		3/13/2003		9/5/2003										
5855	772F030054	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/26/2003		2/26/2003		8/21/2003										
5856	772F030055	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/13/2003		2/13/2003		8/8/2003										
5857	772F030057	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/24/2003		2/24/2003		8/19/2003										
5858	772F030058	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/30/2001	8/30/2001	8/30/2001	4/9/2004	2/22/2002										
5859	772F030059	SSG	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	5/8/2003	5/8/2003	5/8/2003	5/7/2004	10/11/2003										
5860	772F030060	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	5/7/2003		5/7/2003		10/30/2003										
5861	772F030061	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	4/16/2003		4/16/2003		10/9/2003										
5862	772F030062	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	3/26/2003	7/26/2007	3/26/2003	7/26/2007	9/18/2003										
5863	772F030063	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	3/5/2003	6/7/2006	3/5/2003	6/7/2006	8/28/2003										
5864	772F030064	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/2/2003	6/2/2003	6/2/2003	11/14/2006	11/25/2003										
5865	772F030065	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	6/18/2003		6/18/2003		12/11/2003										
5866	772F030066	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	5/28/2003		5/28/2003		11/20/2003										
5867	772F030067	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	5/15/2003		5/15/2003		11/7/2003										
5868	772F030068	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/18/2003	6/18/2003	6/18/2003	4/23/2004	12/11/2003										
5869	772F030069	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	6/17/2003		6/17/2003		12/10/2003										
5870	772F030076	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	7/31/2003	2/28/2007	7/31/2003	2/28/2007	1/23/2004										
5871	772F030071	SSG	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/29/2003	8/29/2003	8/29/2003	4/8/2004	2/11/2004										
5872	772F030072	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	7/9/2003	7/9/2003	7/9/2003	4/8/2004	1/1/2004										
5873	772F030073	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	7/8/2003	7/8/2003	7/8/2003	4/9/2004	12/31/2003										
5874	772F030074	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	7/8/2003	7/8/2003	7/8/2003	4/8/2004	12/31/2003										
5875	772F030075	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/5/2003	8/5/2003	8/5/2003	4/9/2004	1/28/2004										
5876	772F030076	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	7/21/2003	7/21/2003	7/21/2003	4/8/2004	1/13/2004										
5877	772F030077	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/5/2003	8/5/2003	8/5/2003	4/10/2004	1/28/2004										
5878	772F030078	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	9/22/2003	1/17/2007	9/22/2003	1/17/2007	3/16/2004										
5879	772F040001	SSG	EMPLACED_CNTR	5/21/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	10/1/2003	10/1/2003	10/1/2003	6/17/2004	3/25/2004										
5880	772F040002	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	8/29/2003	8/29/2003	8/29/2003	4/8/2004	2/12/2004										
5881	772F040003	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	9/25/2003	9/25/2003	9/25/2003	4/8/2004	3/19/2004										
5882	772F040004	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	1/9/2004		1/9/2004		7/3/2004										
5883	772F040005	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	11/7/2003		11/7/2003		5/1/2004										
5884	772F040006	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/4/2003		12/4/2003		5/28/2004										
5885	772F040007	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	1/9/2004		1/9/2004		7/3/2004										
5886	772F040008	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	1/14/2004		1/14/2004		7/8/2004										
5887	772F040009	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/8/2003		12/8/2003		6/1/2004										
5888	772F040010	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/11/2004		2/11/2004		8/5/2004										
5889	772F040011	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	2/11/2004	9/16/2006	2/11/2004	9/26/2006	8/5/2004										
5890	772F040012	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	2/13/2004		2/25/2004		8/19/2004										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5891	772F040013	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/11/2004		2/11/2004		8/5/2004										
5892	772F040014	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/11/2004	10/20/2006	2/11/2004	10/20/2006	8/5/2004										
5893	772F040015	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/28/2004		1/28/2004		7/23/2004										
5894	772F040016	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/11/2004		2/11/2004		8/5/2004										
5895	772F040017	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			3/25/2004		3/25/2004		9/17/2004										
5896	772F040018	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			4/22/2004		4/22/2004		10/15/2004										
5897	772F040019	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			3/24/2004		3/24/2004		9/16/2004										
5898	772F040020	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			4/21/2004		4/21/2004		10/13/2004										
5899	772F040021	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/19/2004		5/19/2004		11/11/2004										
5900	772F040022	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/5/2004		5/3/2004		10/26/2004										
5901	772F040023	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			7/1/2004		7/1/2004		12/24/2004										
5902	772F040024	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			6/16/2004		6/14/2004		12/9/2004										
5903	772F040025	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			6/21/2004		6/21/2004		12/14/2004										
5904	772F040026	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			6/30/2004		6/30/2004		12/23/2004										
5905	772F050003	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			11/19/2004		11/19/2004		5/14/2005										
5906	772F050004	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			11/19/2004		11/19/2004		5/14/2005										
5907	772F050005	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			12/29/2004		12/29/2004		6/23/2005										
5908	772F050006	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/27/2005		1/27/2005		7/21/2005										
5909	772F050007	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			2/8/2005		2/8/2005		8/3/2005										
5910	772F050008	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			12/1/2004		12/1/2004		5/26/2005										
5911	772F050009	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			10/20/2004		10/20/2004		4/14/2005										
5912	772F050010	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/12/2005		1/12/2005		7/7/2005										
5913	772F050011	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/27/2005		1/27/2005		7/22/2005										
5914	772F050012	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/8/2005	9/11/2007	2/8/2005	9/11/2007	8/4/2005										
5915	772F050013	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			2/8/2005		2/8/2005		8/3/2005										
5916	772F050014	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			10/20/2004		10/20/2004		4/14/2005										
5917	772F050015	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			8/11/2004		8/11/2004		2/3/2005										
5918	772F050016	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			12/1/2004		12/1/2004		5/26/2005										
5919	772F050017	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/2/2004	2/29/2008	9/2/2004	2/29/2008	2/25/2005										
5920	772F050018	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			12/3/2004		12/3/2004		5/26/2005										
5921	772F050019	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/27/2005		9/27/2005		3/22/2006										
5922	772F050020	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			4/13/2005		4/13/2005		10/6/2005										
5923	772F050021	SSG	EMPLACED_CNTR	7/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/15/2005		5/15/2005		11/7/2005										
5924	772F050022	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			4/6/2005		4/6/2005		9/29/2005										
5925	772F050023	SSG	EMPLACED_CNTR	8/28/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/15/2005		5/15/2005		11/7/2005										
5926	772F050024	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/17/2005		5/17/2005		11/9/2005										
5927	772F050025	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			6/2/2005		6/2/2005		11/25/2005										
5928	772F050026	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			5/18/2005		5/18/2005		11/30/2005										
5929	772F050027	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			6/22/2005		6/22/2005		12/15/2005										
5930	772F050028	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/27/2005		9/27/2005		3/22/2006										
5931	772F050029	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			7/13/2005		7/13/2005		1/5/2006										
5932	772F050030	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			8/17/2005		8/17/2005		2/9/2006										
5933	772F050031	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			7/25/2005		7/25/2005		1/17/2006										
5934	772F050032	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			7/6/2005		7/8/2005		12/29/2005										
5935	772F050033	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/7/2005		9/7/2005		3/2/2006										
5936	772F060001	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/23/2005		9/23/2005		3/18/2006										
5937	772F060002	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/13/2005		9/13/2005		3/16/2006										
5938	772F060003	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/23/2005		9/23/2005		3/18/2006										
5939	772F060004	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/23/2005		9/23/2005		3/18/2006										
5940	772F060005	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/23/2005		9/23/2005		3/18/2006										
5941	772F060006	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			9/23/2005		9/23/2005		3/18/2006										
5942	772F060007	SSG	EMPLACED_CNTR	8/28/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/25/2006		1/25/2006		7/20/2006										
5943	772F060008	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/25/2006		1/25/2006		7/20/2006										
5944	772F060009	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			10/26/2005		10/26/2005		4/20/2006										
5945	772F060010	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			12/22/2005		12/22/2005		6/16/2006										
5946	772F060011	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			11/10/2005		11/10/2005		5/5/2006										
5947	772F060012	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			2/8/2006		2/8/2006		8/3/2006										
5948	772F060013	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/10/2006		1/10/2006		7/5/2006										
5949	772F060014	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300			1/10/2006		1/10/2006		7/5/2006										
5950	772F060015	SSG	EMPLACED_CNTR	7/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/28/2006		6/28/2006		12/21/2006										
5951	772F060016	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/15/2006		5/15/2006		11/7/2006										
5952	772F060017	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/16/2006		5/16/2006		11/8/2006										
5953	772F060018	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/7/2006		6/7/2006		11/30/2006										
5954	772F060019	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/27/2006		6/27/2006		12/20/2006										
5955	772F060020	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/5/2006		7/5/2006		12/28/2006										
5956	772F060021	SSG	EMPLACED_CNTR	8/21/2010 9:54	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/2006		11/29/2006		5/24/2007										
5957	772F070002	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/2006		11/29/2006		5/24/2007										
5958	772F070003	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/29/2006	2/25/2008	11/29/2006	2/25/2008	5/24/2007										
5959	772F070004	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/2006		11/29/2006		5/24/2007										
5960	772F070005	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/1/2006		12/1/2006		5/24/2007										
5961	772F070006	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/2006		11/29/2006		5/24/2007										
5962	772F070007	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/29/2006	2/27/2008	11/29/2006	2/27/2008	5/24/2007										
5963	772F070008	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/1/2006		12/1/2006		5/24/2007										
5964	772F070009	SSG	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/17/2007		4/17/2007		10/10/2007										
5965	772F070010	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/23/2007		7/23/2007		1/15/2008										
5966	772F070011	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/17/2007		4/17/2007		10/10/2007										
5967	772F070012	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/30/2007		7/30/2007		1/22/2008			TRUE	TRUE	TRUE					
5968	772F070013	SSG	EMPLACED_CNTR	6/9/2012 10:58	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	0	7/23/2007	3/24/2010	7/23/2007	3/24/2010	1/15/2008										
5969	772F070014	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/30/2007		7/30/2007		1/22/2008										
5970	772F070015	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/23/2007		7/23/2007		1/15/2008										
5971	772F080001	SSG	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/22/2007		10/23/2007		4/15/2008										
5972	772F080002	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/11/2007		7/11/2007		1/3/2008										
5973	772F080003	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/2/2007		5/2/2007		10/25/2007										
5974	772F080004	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/23/2007		5/23/2007		11/15/2007										
5975	772F080005	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/10/2007		10/10/2007		4/3/2008										
5976	772F080006	SSG	EMPLACED_CNTR	8/28/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/2007		10/15/2007		4/8/2008										
5977	772F080007	SSG	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/2007		10/15/2007		4/8/2008										
5978	772F080008	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/17/2008		4/17/2008		10/10/2008										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
5975	772F080010	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	0	2/21/2008	11/17/2009	2/21/2008	11/17/2009	8/15/2008										
5980	772F090001	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/11/2008		12/11/2008		6/5/2009										
5981	772F090002	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediation	0	12/11/2008	12/9/2009	12/11/2008	12/9/2009	9/5/2009										
5982	772F090003	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/5/2009		12/11/2008		6/30/2009										
5983	772F090004	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/11/2008		12/11/2008		6/5/2009										
5984	772F090007	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/11/2008		12/11/2008		6/5/2009										
5985	772F090008	SWB	EMPLACED_CNTR	11/10/2012 15:18	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			2/5/2009		1/5/2009					TRUE	TRUE	TRUE					
5986	772F090009	SWB	EMPLACED_CNTR	5/4/2012 10:45	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			9/17/2008		9/17/2008					TRUE	TRUE	TRUE					
5987	772F090010	SWB	EMPLACED_CNTR	11/9/2012 13:27	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			12/10/2008		12/10/2008					TRUE	TRUE	TRUE					
5988	772F090011	SSG	EMPLACED_CNTR	3/12/2012 14:59	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			3/3/2009		3/3/2009					TRUE	TRUE	TRUE					
5989	772F090013	SSG	EMPLACED_CNTR	11/7/2011 22:37	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	TRUE	TRUE					
5990	772F090014	SSG	EMPLACED_CNTR	11/8/2011 0:05	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	TRUE	TRUE					
5991	772F090016	SSG	EMPLACED_CNTR	11/7/2011 22:37	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	TRUE	TRUE					
5992	772F090017	SSG	EMPLACED_CNTR	11/8/2011 0:05	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	TRUE	TRUE					
5993	772F090018	SSG	EMPLACED_CNTR	11/8/2011 0:05	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	TRUE	TRUE					
5994	772F090019	SSG	EMPLACED_CNTR	5/8/2012 12:38	6/13/2011 15:44	mccabel	SR-W026-772F-HET	S5300			5/18/2009		5/18/2009					TRUE	FALSE	TRUE					
5995	772F100002	SSG	EMPLACED_CNTR	10/30/2012 9:39	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			8/26/2009		8/26/2009					TRUE	FALSE	TRUE					
5996	772F100003	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			2/23/2010		2/23/2010					TRUE	FALSE	TRUE					
5997	772F100004	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			2/23/2010		2/23/2010					TRUE	FALSE	TRUE					
5998	772F100005	SSG	EMPLACED_CNTR	5/8/2012 12:38	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			2/23/2010		2/23/2010					TRUE	FALSE	TRUE					
5999	772F100006	SSG	EMPLACED_CNTR	10/9/2012 15:15	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			9/28/2009		9/28/2009					TRUE	FALSE	TRUE					
6000	772F110002	SSG	EMPLACED_CNTR	4/4/2013 15:25	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			1/27/2011		1/27/2011					TRUE	FALSE	TRUE					
6001	772F110003	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			1/27/2011		1/27/2011					TRUE	FALSE	TRUE					
6002	772F110004	SSG	EMPLACED_CNTR	5/8/2012 12:37	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			10/7/2009		10/7/2009					TRUE	FALSE	TRUE					
6003	772F110005	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			8/25/2010		8/25/2010					TRUE	FALSE	TRUE					
6004	772F110006	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			8/25/2010		8/25/2010					TRUE	FALSE	TRUE					
6005	772F110007	SSG	EMPLACED_CNTR	5/30/2012 9:05	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			1/27/2011		1/27/2011					TRUE	FALSE	TRUE					
6006	772F110011	SSG	EMPLACED_CNTR	5/30/2012 9:02	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			8/25/2010		8/25/2010					TRUE	FALSE	TRUE					
6007	772F110014	SSG	EMPLACED_CNTR	5/8/2012 12:37	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			8/25/2010		8/25/2010					TRUE	FALSE	TRUE					
6008	772F110015	SSG	EMPLACED_CNTR	4/29/2012 15:03	2/29/2012 20:06	mccabel	SR-W026-772F-HET	S5300			12/1/2011		12/1/2011					TRUE	FALSE	TRUE					
6009	772F120001	SSG	EMPLACED_CNTR	4/23/2013 8:01	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6010	772F120002	SSG	EMPLACED_CNTR	7/10/2012 14:29	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6011	772F120003	SSG	EMPLACED_CNTR	7/10/2012 10:05	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6012	772F120004	SSG	EMPLACED_CNTR	7/10/2012 14:33	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6013	772F120005	SSG	EMPLACED_CNTR	7/10/2012 14:29	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6014	772F120006	SSG	EMPLACED_CNTR	7/10/2012 10:05	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6015	772F120007	SSG	EMPLACED_CNTR	7/10/2012 14:33	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6016	772F120008	SSG	EMPLACED_CNTR	7/10/2012 14:29	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6017	772F120009	SSG	EMPLACED_CNTR	7/10/2012 14:33	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6018	772F120010	SSG	EMPLACED_CNTR	7/10/2012 10:04	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6019	772F120011	SSG	EMPLACED_CNTR	7/10/2012 10:04	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			10/26/2011		10/26/2011					TRUE	FALSE	TRUE					
6020	772F120012	SSG	EMPLACED_CNTR	7/10/2012 14:29	5/14/2012 18:15	mccabel	SR-W026-772F-HET	S5300			3/29/2011		3/29/2011					TRUE	FALSE	TRUE	NA				
6021	772F120013	SSG	EMPLACED_CNTR	12/7/2012 9:28	9/13/2012 12:32	mccabel	SR-W026-772F-HET	S5300			7/19/2011		7/19/2011			Added per LWatson email 091312		TRUE	FALSE	TRUE	NA				
6022	772F120014	SSG	EMPLACED_CNTR	12/7/2012 9:28	9/13/2012 12:33	mccabel	SR-W026-772F-HET	S5300			3/22/2012		3/22/2012			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6023	772F120015	SSG	EMPLACED_CNTR	12/7/2012 13:31	9/13/2012 12:24	mccabel	SR-W026-772F-HET	S5300			3/22/2012		3/22/2012			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6024	772F120016	SSG	EMPLACED_CNTR	12/6/2012 13:41	9/13/2012 12:24	mccabel	SR-W026-772F-HET	S5300			12/14/2011		12/14/2011			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6025	772F120017	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/13/2012 12:25	mccabel	SR-W026-772F-HET	S5300			12/15/2011		12/15/2011			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6026	772F120018	SSG	EMPLACED_CNTR	4/23/2013 8:01	9/13/2012 12:25	mccabel	SR-W026-772F-HET	S5300			12/15/2011		12/15/2011			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6027	772F120019	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/13/2012 12:26	mccabel	SR-W026-772F-HET	S5300			1/30/2012		1/30/2012			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6028	772F120020	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/13/2012 12:26	mccabel	SR-W026-772F-HET	S5300			1/30/2012		1/30/2012			Added per LWatson email 091312.		TRUE	FALSE	TRUE	NA				
6029	772F120021	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/13/2012 12:27	mccabel	SR-W026-772F-HET	S5300			3/22/2012		3/22/2012												
6030	772F200104	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWSNET\SQLMaster	SR-W026-772F-HET	S5300		0	12/8/2009		12/8/2009		6/3/2010										
6031	772F300064	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		1	11/13/2007		11/13/2007		5/7/2008										
6032	772F300074	SSG	EMPLACED_CNTR	5/26/2011 18:44	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/11/2008		9/11/2008		3/6/2009			TRUE	TRUE	TRUE					
6033	SR16643601	SLB2	APPROVED_SHIP		9/26/2011 9:38	mccabel	SR-W026-772F-HET	S5300			5/7/2011		5/7/2011	9/15/2011		Filter Reduction Date: 9/15/2011; Reduced Filter Model: NET-013		TRUE	TRUE	TRUE			SR166436		Repack
6034	SR2680601	SSG	EMPLACED_CNTR	4/27/2012 9:53	8/23/2011 16:54	mccabel	SR-W026-772F-HET	S5300			7/21/2011		7/21/2011				- Rpkgd was SR166436 - Rpkgd was SR2680602 - Rpkgd was SR2680603 - Rpkgd into SR2680603	TRUE	TRUE	TRUE			SR268060		Repack
6035	SR2680602	SSG	EMPLACED_CNTR	2/26/2012 13:31	9/26/2011 9:14	mccabel	SR-W026-772F-HET	S5300	Remediation		7/21/2011	9/20/2011	7/21/2011	9/20/2011			- Rpkgd was SR2680602 - Rpkgd was SR2680606 - Rpkgd was SR2680606 - Rpkgd was SR2680606	TRUE	TRUE	TRUE			SR2680602	SR268060	Repack
6036	SR2680603	SSG	EMPLACED_CNTR	11/4/2012 13:32	9/26/2011 9:14	mccabel	SR-W026-772F-HET	S5300	None		9/30/2011		9/30/2011					TRUE	TRUE	TRUE			SR2680606	SR268060	Repack
6037	SR2680604	SSG	EMPLACED_CNTR	2/26/2012 13:31	9/19/2011 14:14	mccabel	SR-W026-772F-HET	S5300	None		9/14/2011		9/14/2011					TRUE	TRUE	TRUE			SR268060		Repack
6038	SR2680608	SSG	EMPLACED_CNTR	4/27/2012 9:53	8/30/2011 12:53	mccabel	SR-W026-772F-HET	S5300			7/21/2011		7/21/2011					TRUE	TRUE	TRUE			SR2680606		Repack
6039	SR268060C	SSG	EMPLACED_CNTR	4/4/2013 15:25	9/29/2011 10:08	mccabel	SR-W026-772F-HET	S5300	Remediation		7/21/2011	9/24/2011	7/21/2011	9/24/2011			- Rpkgd was SR268060 - Rpkgd into SR2680604	TRUE	TRUE	TRUE					
6040	SR268060E	SSG	EMPLACED_CNTR	11/4/2012 13:32	9/19/2011 15:53	mccabel	SR-W026-772F-HET	S5300	Remediation		7/21/2011	9/14/2011	7/21/2011	9/14/2011			- Rpkgd was SR268062	TRUE	TRUE	TRUE			SR268062		Repack
6041	SR2680628	SSG	EMPLACED_CNTR	4/27/2012 9:53	9/21/2011 14:18	mccabel	SR-W026-772F-HET	S5300	Remediation		7/25/2011	9/14/2011	7/25/2011	9/14/2011			- Rpkgd was SR268062	TRUE	TRUE	TRUE			SR268062		Repack
6042	SR2680620	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/21/2011 14:17	mccabel	SR-W026-772F-HET	S5300	Remediation		7/25/2011	9/14/2011	7/25/2011	9/14/2011			- Rpkgd was SR268061	TRUE	TRUE	TRUE			SR268062		Repack
6043	SR268062E	SSG	EMPLACED_CNTR	2/26/2012 13:31	10/5/2011 13:19	mccabel	SR-W026-772F-HET	S5300	Remediation		7/25/2011	9/16/2011	7/25/2011	9/16/2011			- Rpkgd was SR268062	TRUE	TRUE	TRUE			SR268062		Repack
6044	SR268062F	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/21/2011 14:17	mccabel	SR-W026-772F-HET	S5300	Remediation		7/25/2011	9/14/2011	7/25/2011	9/14/2011			- Rpkgd was SR268114	TRUE	TRUE	TRUE			SR268114		Repack
6045	SR2681402	SSG	EMPLACED_CNTR	4/4/2013 15:25	10/11/2011 15:23	mccabel	SR-W026-772F-HET	S5300	Remediation		7/27/2011	10/7/2011	7/27/2011	10/7/2011			- Rpkgd was SR268114	TRUE	TRUE	TRUE			SR268114		Repack
6046	SR2681403	SSG	EMPLACED_CNTR	11/4/2012 13:32	9/21/2011 14:18	mccabel	SR-W026-772F-HET	S5300	Remediation		7/27/2011	9/15/2011	7/27/2011	9/15/2011			- Rpkgd was SR268114	TRUE	TRUE	TRUE			SR268114		Repack
6047	SR2681404	SSG	EMPLACED_CNTR	11/7/2011 22:37	9/21/2011 14:19	mccabel	SR-W026-772F-HET	S5300	Remediation		7/27/2011	9/15/2011	7/27/2011	9/15/2011		Removed from RH and added to CH per Harrison email 070313.		TRUE	TRUE	TRUE	NA		SR268114		Repack
6048	SR2681405	SSG	APPROVED_CERT		7/3/2013 10:29	mccabel	SR-W026-772F-HET	S5300			7/27/2011		7/27/2011				- Rpkgd was SR268114 - Rpkgd was SR268114	TRUE	TRUE	TRUE			SR268114		Repack
6049	SR2681406	SSG	EMPLACED_CNTR	11/4/2012 13:32	6/23/2011 18:25	mccabel	SR-W026-772F-HET	S5300			7/27/2011		7/27/2011					TRUE	TRUE	TRUE			SR268114		Repack
6050	SR2681407	SSG	EMPLACED_CNTR	11/14/2012 14:36	10/12/2011 11:09	mccabel	SR-W026-772F-HET	S5300	Remediation		7/27/2011	10/7/2011	7/27/2011	10/7/2011											
6051	SR339655	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/29/1994		3/29/1994		9/21/1994										
6052	SR339656	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/29/1994		3/29/1994		9/13/1994										
6053	SR339657	SSG	EMPLACED_CNTR	8/1/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/21/1993	12/6/2004	7/21/1993	12/6/2004	1/13/1994										
6054	SR339659	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/29/1994		3/29/1994		9/21/1994										
6055	SR339742	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/15/1996		5/15/1996		11/7/1996										
6056	SR339744	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/15/1996		5/15/1996		11/7/1996										
6057	SR339745	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/15/1996		5/15/1996		11/7/1996										
6058	SR339746	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/15/1996		5/15/1996		11/8/1996										
6059	SR339747	SSG	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/16/1996		5/16/1996		11/8/1996										
6060	SR339748	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/29/1996	4/21/2006	4/29/1996	4/21/2006	10/22/1996										
6061	SR339749	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/29/1996	10/25/2006	4/29/1996	10/25/2006	10/22/1996										
6062	SR339749A	SSG	EMPLACED_CNTR	8/21/2010 8:34	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1		10/25/2006		10/25/2006											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6063	SR339750	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/29/1996	6/30/2004	4/29/1996	6/30/2004	10/22/1996										
6064	SR339751	SSG	EMPLACED_CNTR	8/30/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/29/1996		4/29/1996		10/22/1996										
6065	SR339754	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/16/1996	6/27/2004	5/16/1996	6/27/2004	11/8/1996										
6066	SR339756	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/16/1996		5/16/1996		11/8/1996										
6067	SR339758	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/29/1996	7/1/2004	4/29/1996	7/1/2004	10/22/1996										
6068	SR339759	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/16/1996		5/16/1996		11/8/1996										
6069	SR339761	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/16/1996		5/16/1996		11/8/1996										
6070	SR339763	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/15/1996		5/15/1996		11/7/1996										
6071	SR339765	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/16/1996		5/16/1996		11/8/1996										
6072	SR339768	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/23/1996	6/26/2004	5/23/1996	6/26/2004	11/15/1996										
6073	SR339772	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/15/1996		5/15/1996		11/7/1996										
6074	SR339773	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/23/1996		5/23/1996		11/15/1996										
6075	SR339774	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/16/1996	12/8/2004	10/16/1996	12/8/2004	4/10/1997										
6076	SR339775	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/16/1996	12/8/2004	10/16/1996	12/8/2004	4/10/1997										
6077	SR339776	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/29/1996	12/9/2004	8/29/1996	12/9/2004	2/21/1997										
6078	SR339777	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/29/1996	4/4/2007	8/29/1996	4/4/2007	2/21/1997										
6079	SR339778	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/29/1996	6/25/2007	8/29/1996	6/25/2007	2/21/1997										
6080	SR339779	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/29/1996	5/25/2005	8/29/1996	5/25/2005	2/21/1997										
6081	SR339780	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/29/1996	12/7/2004	8/29/1996	12/7/2004	2/21/1997										
6082	SR339781	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/29/1996		8/29/1996		2/21/1997										
6083	SR339782	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/7/1996	5/8/2006	10/7/1996	5/8/2006	4/1/1997										
6084	SR339784	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/7/1996		10/7/1996		4/1/1997										
6085	SR339787	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/7/1996		10/7/1996		4/1/1997										
6086	SR339790	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/7/1996		10/7/1996		4/1/1997										
6087	SR339792	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6088	SR339804	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/16/1996		10/16/1996		4/10/1997										
6089	SR339808	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/16/1996		10/16/1996		4/10/1997										
6090	SR339809	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/16/1996		10/16/1996		4/10/1997										
6091	SR339810	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/16/1996		10/16/1996		4/10/1997										
6092	SR339811	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/16/1996		10/16/1996		4/10/1997										
6093	SR339812	SSG	EMPLACED_CNTR	8/21/2010 9:54	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/16/1996	11/28/2006	10/16/1996	11/28/2006	4/10/1997			TRUE	TRUE	TRUE					
6094	SR339814	SSG	EMPLACED_CNTR	1/4/2012 13:25	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	0	10/16/1996	1/4/2011	10/16/1996	1/4/2011	4/10/1997			TRUE	TRUE	TRUE					
6095	SR339814A	SSG	EMPLACED_CNTR	11/7/2011 22:37	4/28/2011 6:00	idcwebuser	SR-W026-772F-HET	55300		0	1/4/2011		1/4/2011		6/29/2011										
6096	SR339815	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6097	SR339817	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6098	SR339819	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6099	SR339823	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6100	SR339825	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6101	SR339826	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6102	SR339827	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6103	SR339828	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6104	SR339830	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6105	SR339831	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6106	SR339832	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6107	SR339833	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6108	SR339835	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6109	SR339836	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6110	SR339838	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/22/1996		10/22/1996		4/16/1997										
6111	SR339841	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6112	SR339843	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6113	SR339844	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6114	SR339846	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6115	SR339847	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/11/1996		11/11/1996		5/6/1997										
6116	SR339849	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/2/1996	12/9/2004	12/2/1996	12/9/2004	5/27/1997										
6117	SR340889	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/29/1994		3/29/1994		9/21/1994										
6118	SR340890	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/29/1994		3/29/1994		9/21/1994										
6119	SR340891	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/30/1994		6/30/1994		12/23/1994										
6120	SR340892	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/30/1994		6/30/1994		12/23/1994										
6121	SR340894	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6122	SR340895	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6123	SR340896	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/21/1995		11/21/1995		5/15/1996										
6124	SR340897	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/29/1995		9/29/1995		3/23/1996										
6125	SR340898	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/21/1995		11/21/1995		5/15/1996										
6126	SR340899	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/3/1995	12/6/2004	11/3/1995	12/6/2004	4/27/1996										
6127	SR340901	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6128	SR340904	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6129	SR340907	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6130	SR340912	SSG	EMPLACED_CNTR	10/24/2010 11:00	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6131	SR340915	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/3/1995	2/27/2008	11/3/1995	2/27/2008	4/27/1996										
6132	SR340915A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/27/2008		2/27/2008		8/21/2008										
6133	SR340917	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6134	SR340919	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/3/1995		11/3/1995		4/27/1996										
6135	SR340923	SSG	EMPLACED_CNTR	8/28/2010 11:13	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/2/1995		11/2/1995		4/26/1996										
6136	SR340926	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/2/1995		11/2/1995		4/26/1996										
6137	SR340928	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6138	SR340929	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6139	SR340930	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6140	SR340931	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6141	SR340932	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6142	SR340933	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6143	SR340934	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/2/1996		12/2/1996		5/27/1997										
6144	SR409976	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/5/1998	1/5/1998	1/5/1998	4/9/2004	6/30/1998										
6145	SR409977	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	1/5/1998	1/5/1998	1/5/1998	4/9/2004	6/30/1998										
6146	SR409979	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/5/1998		1/5/1998		6/30/1998										
6147	SR409980	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	1/5/1998	7/2/2006	1/5/1998	7/2/2006	6/30/1998										
6148	SR409982	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	1/5/1998	1/5/1998	1/5/1998	8/17/2005	6/30/1998										
6149	SR409983	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/30/1997	3/1/2007	12/30/1997	3/1/2007	6/24/1998										
6150	SR409985	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/31/1997	12/8/2004	12/31/1997	12/8/2004	6/25/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6151	SR409987	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/5/1996	6/26/2004	1/5/1998	6/26/2004	6/30/1994										
6152	SR409992	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS400		0	3/3/1998		3/3/1998		8/26/1998										
6153	SR409994	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6154	SR409998	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6155	SR410001	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6156	SR410002	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6157	SR410003	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300			3/3/1998	12/6/2004	3/3/1998	12/6/2004	8/26/1998										
6158	SR410009	SSG	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	Remediate	1	3/3/1998		3/3/1998		8/26/1998										
6159	SR410011	SSG	EMPLACED_CNTR	8/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6160	SR410016	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/29/1998		4/29/1998		10/22/1998										
6161	SR410028	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/21/1997		5/21/1997		11/13/1997										
6162	SR410030	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	5/21/1997		5/21/1997		11/13/1997			TRUE	TRUE	TRUE					
6163	SR410033	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/17/1997		6/17/1997		12/10/1997										
6164	SR410034	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W025-772F-HET	SS300	V&P Vent	0	5/21/1997	5/21/1997	5/21/1997	4/9/2004	11/13/1997										
6165	SR410035	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W025-772E-HET	SS300	Remediate	1	5/29/1997	7/1/2004	5/29/1997	7/1/2004	11/21/1997										
6166	SR410036	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/21/1997		5/21/1997		11/13/1997										
6167	SR410037	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	5/21/1997		5/21/1997		11/13/1997										
6168	SR410040	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/29/1997	6/12/2007	5/29/1997	6/12/2007	11/21/1997										
6169	SR410043	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W025-772F-HET	SS300		0	3/30/1998		3/30/1998		9/22/1998										
6170	SR410044	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	Remediate	1	3/30/1998	10/31/2006	3/30/1998	10/31/2006	9/22/1998										
6171	SR410048	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/5/1998	5/5/1998	5/5/1998	4/9/2004	10/28/1998										
6172	SR410376	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	3/3/1998		3/3/1998		8/26/1998										
6173	SR410728	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/22/1997	8/22/1997	8/22/1997	2/4/2004	2/14/1998										
6174	SR410733	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/22/1997	8/22/1997	8/22/1997	4/9/2004	2/14/1998										
6175	SR410736	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	V&P Vent	0	8/25/1997	8/25/1997	8/25/1997	4/9/2004	2/17/1998										
6176	SR410737	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/25/1997		8/25/1997		2/17/1998										
6177	SR410740	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	8/25/1997		8/25/1997		2/17/1998										
6178	SR410741	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/25/1997		8/25/1997		2/17/1998										
6179	SR410744	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/25/1997	8/25/1997	8/25/1997	4/9/2004	2/17/1998										
6180	SR410745	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	8/25/1997		8/25/1997		2/17/1998										
6181	SR410747	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/25/1997	8/25/1997	8/25/1997	4/9/2004	2/17/1998										
6182	SR410748	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/25/1997	8/25/1997	8/25/1997	4/9/2004	2/17/1998										
6183	SR410749	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	V&P Vent	0	8/25/1997	8/25/1997	8/25/1997	4/9/2004	2/17/1998										
6184	SR411177	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772C-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6185	SR411178	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6186	SR411179	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6187	SR411180	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6188	SR411181	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6189	SR411182	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6190	SR411186	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/3/1997		2/3/1997		7/29/1997										
6191	SR411186	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	2/3/1997		2/3/1997		7/29/1997										
6192	SR411187	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	2/3/1997		2/3/1997		7/29/1997										
6193	SR411188	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W025-772F-HET	SS300	Remediate	1	2/3/1997	7/1/2004	2/3/1997	7/1/2004	7/29/1997										
6194	SR411190	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/3/1997	6/30/2004	2/3/1997	6/30/2004	7/29/1997										
6195	SR411191	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	Remediate	1	1/30/1997	7/1/2004	1/30/1997	7/1/2004	7/25/1997										
6196	SR411193	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/30/1997		1/30/1997		7/25/1997										
6197	SR411196	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/14/1997	7/12/2006	4/14/1997	7/12/2006	10/7/1997										
6198	SR411197	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6199	SR411198	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6200	SR411200	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997			TRUE	TRUE	TRUE					
6201	SR411205	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS800		0	4/17/1997		4/17/1997		10/10/1997										
6202	SR411207	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS800		0	4/14/1997		4/14/1997		10/7/1997			TRUE	TRUE	TRUE					
6203	SR411208	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6204	SR411209	SSG	EMPLACED_CNTR	8/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6205	SR411210	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997			TRUE	TRUE	TRUE					
6206	SR411211	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/17/1997		4/17/1997		10/10/1997										
6207	SR411212	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6208	SR411213	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6209	SR411214	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/14/1997	4/14/1997	4/14/1997	5/7/2004	10/7/1997										
6210	SR411215	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1997		4/14/1997		10/7/1997										
6211	SR411226	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	Remediate	1	11/19/1997	12/7/2006	11/19/1997	12/7/2006	5/14/1998										
6212	SR411228	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/19/1997	11/19/1997	11/19/1997	4/9/2004	5/14/1998										
6213	SR411230	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	11/19/1997		11/19/1997		5/14/1998										
6214	SR411232	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/19/1997		11/19/1997		5/14/1998										
6215	SR411235	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS800	Remediate	1	11/19/1997	7/13/2007	11/19/1997	7/13/2007	5/14/1998										
6216	SR411236	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS800	V&P Purge	0	11/19/1997	11/19/1997	11/19/1997	11/6/2005	5/14/1998										
6217	SR411238	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS800	V&P Vent	0	11/19/1997	11/19/1997	11/19/1997	4/9/2004	5/14/1998										
6218	SR411239	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	11/19/1997	11/19/1997	11/19/1997	11/6/2005	5/14/1998										
6219	SR411240	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300		0	11/19/1997		11/19/1997		5/14/1998										
6220	SR411242	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/19/1997	11/19/1997	11/19/1997	4/9/2004	5/14/1998										
6221	SR411244	SSG	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/19/1997		11/19/1997		5/14/1998			TRUE	TRUE	TRUE					
6222	SR411249	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/19/1997	11/19/1997	11/19/1997	4/9/2004	5/14/1998										
6223	SR411251	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/20/1997		11/20/1997		5/15/1998										
6224	SR411252	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0															
6225	SR500502	SSG	APPROVED_CERT		7/26/2012 13:42	mccabed	SR-W026-772E-HET	SS300			9/9/1976	3/27/2007		3/27/2007		The original drum identification tag was lost and the container was subsequently assigned this number. Sufficient evidence exists that ties SR500502 to burial slip SR504569. Added per MDoherty email 071112.		TRUE	FALSE	TRUE	NA				
6226	SR501208	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/8/1974	10/11/2007		10/11/2007											
6227	SR501208A	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-HET	SS300		0	10/11/2007		10/11/2007		4/4/2008										
6228	SR501209	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	Remediate	1	9/8/1974	9/27/2007		9/27/2007											
6229	SR501209A	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/27/2007		9/27/2007		3/21/2008										
6230	SR501211	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/8/1974	9/8/1974	9/8/1974	1/6/2004	3/3/1975										
6231	SR501212	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/8/1974	9/17/2007		9/17/2007											
6232	SR501215	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	SS300	V&P Purge	0	9/8/1974	9/8/1974	9/8/1974	1/27/2000	12/3/2003										
6233	SR501216	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/8/1974	9/8/1974	9/8/1974	1/10/2004	7/21/2000										
6234	SR501217	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/8/1974	9/8/1974	9/8/1974	12/19/2003	3/3/1975										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6235	SR501218	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/8/1974	6/21/2007		6/21/2007											
6236	SR501219	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/8/1974	9/8/1974	1/25/2000	12/30/2003	7/19/2000										
6237	SR501220	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/8/1974	10/26/2007		10/26/2007											
6238	SR501223	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/8/1974	9/8/1974	1/18/2000	1/15/2004	7/12/2000										
6239	SR501224	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/8/1974	9/8/1974	9/8/1974	1/5/2004	3/3/1975										
6240	SR501227	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/7/1974	10/7/1974	1/4/2004	1/4/2004	6/28/2004										
6241	SR501230	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/7/1974		10/7/1974		4/1/1975										
6242	SR501232	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/7/1974	10/7/1974	1/5/2004	11/10/2006	6/29/2004										
6243	SR501234	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/7/1974	10/7/1974		4/13/2004											
6244	SR501235	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/27/1975	5/22/2007		5/22/2007											
6245	SR501236	SSG	EMPLACED_CNTR	10/17/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/5/1975	6/20/2007		6/20/2007											
6246	SR501237	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/7/1974		4/7/1999		9/30/1999										
6247	SR501238	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/7/1974	11/18/2004	2/1/2004	11/18/2004	7/16/2004										
6248	SR501240	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/7/1974	4/17/2006	2/1/2004	4/17/2006	7/26/2004										
6249	SR501241	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/7/1974	10/22/2007		10/22/2007											
6250	SR501243	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/17/1974	9/17/2007		9/17/2007											
6251	SR501245	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/17/1974	4/21/2008		4/21/2008											
6252	SR501246	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/17/1974	8/28/2007		8/28/2007											
6253	SR501247	SSG	EMPLACED_CNTR	7/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/17/1974	9/24/2007		9/24/2007											
6254	SR501249	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	1/8/2004	1/8/2004	7/5/2004										
6255	SR501250	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	11/11/1974	11/11/1974	1/7/2004	1/7/2004	7/1/2004										
6256	SR501251	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	1/8/2004	1/8/2004	7/2/2004										
6257	SR501252	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	1/7/2004	1/7/2004	7/1/2004										
6258	SR501253	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	11/11/1974	11/5/2003	5/6/1975										
6259	SR501254	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	1/7/2004	1/7/2004	7/1/2004										
6260	SR501256	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/11/1974	11/11/1974	11/11/1974	9/13/2006	5/6/1975										
6261	SR501257	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/11/1974		3/17/1999		9/8/1999										
6262	SR501258	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/11/1974		4/19/1999		10/12/1999										
6263	SR501259	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/11/1974	11/24/2004	1/7/2004	11/24/2004	7/1/2004										
6264	SR501260	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/11/1974	11/15/2004	1/7/2004	11/15/2004	7/1/2004										
6265	SR501261	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/17/1974		12/17/1974		8/11/1975										
6266	SR501263	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/17/1974		4/5/1999		9/28/1999										
6267	SR501264	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/17/1974		4/7/1999		9/30/1999										
6268	SR501267	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/8/1975	1/8/1975		8/29/2006											
6269	SR501268	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/8/1975	1/8/1975		12/4/2006											
6270	SR501269	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/8/1975	1/1/2008		1/11/2008											
6271	SR501272	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	LM Removal	0	1/8/1975	1/19/2004	4/21/1999	1/19/2004	10/14/1999										
6272	SR501273	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		5/17/1999		11/9/1999										
6273	SR501274	SSG	EMPLACED_CNTR	1/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		4/5/1999		9/28/1999										
6274	SR501275	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/8/1975	4/17/2006		4/17/2006											
6275	SR501277	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		1/8/1975		7/3/1975										
6276	SR501279	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		1/8/1975		7/3/1975										
6277	SR501282	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		1/8/1975		7/3/1975										
6278	SR501285	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/8/1975		1/8/1975		7/3/1975										
6279	SR501286	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/27/1975		5/11/1999		11/3/1999										
6280	SR501287	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/27/1975	7/13/2007		7/13/2007											
6281	SR501288	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/27/1975	9/6/2007		9/6/2007											
6282	SR501290	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/28/1975	6/26/2004	3/24/1999	6/26/2004	9/16/1999										
6283	SR501293	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/27/1975	1/27/1975		3/29/2007											
6284	SR501294	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/27/1975	1/27/1975		4/8/2007											
6285	SR501296	SSG	EMPLACED_CNTR	11/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/27/1975	8/25/2007		8/25/2007											
6286	SR501297	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/27/1975		5/17/1999		11/9/1999										
6287	SR501298	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/27/1975		1/27/1975		7/22/1975										
6288	SR501502	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/19/1975		3/22/1999		9/14/1999										
6289	SR501503	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/19/1975		3/22/1999		9/14/1999										
6290	SR501504	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/19/1975	7/13/2008		7/13/2008											
6291	SR501504A	SSG	EMPLACED_CNTR	8/27/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/13/2008		7/13/2008		1/15/2009										
6292	SR501505	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/19/1975	9/19/1975		11/19/2006											
6293	SR501506	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/19/1975		4/13/1999		10/14/1999										
6294	SR501601	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/27/1975		3/11/1999		9/3/1999										
6295	SR501602	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/27/1975	10/27/1975	3/10/1999	12/19/2003	9/2/1999										
6296	SR501603	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/27/1975		10/27/1975		4/29/1976										
6297	SR501605	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/27/1975		3/15/1999		9/7/1999										
6298	SR501606	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/27/1975		3/11/1999		9/3/1999										
6299	SR501607	SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/27/1975	10/27/1975		10/15/2004											
6300	SR501608	SSG	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	11/12/1975	11/12/1975		10/14/2004											
6301	SR501609	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/12/1975	4/24/2008	6/29/1999	4/24/2008	12/22/1999										
6302	SR501630	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/12/1975		2/22/1999		8/17/1999										
6303	SR501611	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/12/1975		6/29/1999		12/22/1999										
6304	SR501612	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/12/1975	3/8/2007	3/15/1999	3/8/2007	9/7/1999										
6305	SR501613	SSG	EMPLACED_CNTR	6/15/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/12/1975		3/15/1999		9/7/1999										
6306	SR501614	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/12/1975	7/7/2005	2/22/1999	7/7/2005	4/17/1999										
6307	SR501615	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/12/1975	3/3/2006		3/3/2006		SWD061067 re-named and WS reassigned from SR-SWMF-HET-A		TRUE	FALSE	TRUE					
6308	SR501615A	SSG	EMPLACED_CNTR	5/24/2012 10:36	8/23/2011 6:08	morrsj	SR-W026-772F-HET	SS300				3/3/2006		3/3/2006											
6309	SR501617	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/10/1976	5/10/1976	5/10/1976	11/4/2004	11/2/1976										
6310	SR501618	SSG	EMPLACED_CNTR	3/24/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/10/1976	5/10/1976		4/19/2005											
6311	SR501619	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/10/1976	5/10/1976		9/4/2004											
6312	SR501620	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/10/1976		2/24/1999		8/19/1999										
6313	SR501621	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/10/1976	6/29/2004	6/29/1999	6/29/2004	12/22/1999										
6314	SR501622	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/15/1976	5/24/2007		5/24/2007											
6315	SR501622A	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/24/2007		5/24/2007		11/16/2007										
6316	SR501623	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/10/1976		2/22/1999		8/17/1999										
6317	SR501624	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/10/1976		2/24/1999		8/19/1999										
6318	SR501625	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/10/1976	5/10/1976		10/27/2004											
6319	SR501626	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/10/1976	5/10/1976		12/4/2006											
6320	SR501627	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/10/1976	11/16/2004		11/16/2004											
6321	SR501628	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/10/1976	5/10/1976		9/4/2004											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6321	SR501629	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	5/10/1976		3/24/1999		9/16/1999										
6322	SR501630	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	5/10/1976	5/10/1976		9/4/2004											
6324	SR501632	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	12/4/1975	12/4/1975		10/15/2004											
6325	SR501633	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/4/1975		3/10/1999		9/27/1999										
6326	SR501634	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/4/1975	7/24/2008		7/24/2008											
6327	SR501635	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/4/1975	11/8/2007		11/8/2007											
6328	SR501636	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/4/1975		3/11/1999		9/13/1999										
6329	SR501637	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/4/1975		12/4/1975		5/28/1976										
6330	SR501639	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/4/1975		3/10/1999		9/2/1999										
6331	SR501648	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Lid Removal	0	2/12/1976	2/12/1976	2/12/1976	12/11/2003	8/6/1976										
6332	SR501649	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	2/12/1976	2/12/1976		8/31/2006											
6333	SR501651	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	2/12/1976	2/12/1976		8/7/2005											
6334	SR501653	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	2/12/1976	2/12/1976		8/3/2005											
6335	SR501655	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	2/12/1976	2/12/1976		8/7/2005											
6336	SR501656	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1976	2/12/1976	2/12/1976	12/11/2003	8/6/1976										
6337	SR501657	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1976	2/12/1976	2/12/1976	12/11/2003	8/6/1976										
6338	SR501658	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1976	2/12/1976		8/3/2005											
6339	SR501659	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/12/1976	11/22/2004	2/12/1976	11/22/2004	8/6/1976										
6340	SR501660	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1976	2/12/1976		7/22/2005											
6341	SR501662	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/4/1976	3/4/1976		11/5/2007											
6342	SR501663	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/4/1976	3/4/1976		11/2/2007											
6343	SR501664	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/4/1976		3/8/1999		8/31/1999										
6344	SR501665	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/4/1976	2/19/2008		2/19/2008											
6345	SR501666	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/4/1976		4/15/1999		10/8/1999										
6346	SR501667	SSG	EMPLACED_CNTR	3/2/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/4/1976	3/4/1976		11/2/2007											
6347	SR501668	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/4/1976	3/4/1976	3/4/1976	12/11/2003	8/27/1976										
6348	SR501669	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	3/4/1976	3/4/1976		11/2/2007											
6349	SR501671	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/4/1976		3/8/1999		8/31/1999										
6350	SR501672	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/4/1976	12/13/2006	3/4/1976	12/13/2006	8/27/1976										
6351	SR501672A	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1		5/16/2007		5/16/2007											
6352	SR501673	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/4/1976	6/3/2006	3/4/1976	6/3/2006	8/27/1976										
6353	SR501676	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	0	4/15/1976	4/17/2007		4/17/2007	8/2/2007										
6354	SR501680	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/15/1976		2/23/1999		8/18/1999										
6355	SR501681	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/15/1976	7/1/2004	6/29/1999	7/1/2004	12/23/1999										
6356	SR501682	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/15/1976		3/4/1999		8/27/1999										
6357	SR501683	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/15/1976		3/10/1999		9/2/1999										
6358	SR501684	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/15/1976	6/18/2008		6/18/2008											
6359	SR501685	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		2/23/1999		8/18/1999										
6360	SR501686	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		2/23/1999		8/17/1999										
6361	SR501687	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		3/10/1999		9/2/1999										
6362	SR501688	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		3/15/1999		9/7/1999										
6363	SR501689	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/1/1976	4/1/1976		1/29/2007											
6364	SR501690	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		3/16/1999		9/8/1999										
6365	SR501691	SSG	EMPLACED_CNTR	3/30/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/1/1976	5/16/2007		5/16/2007											
6366	SR501692	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/1/1976	4/1/1976		2/19/2007											
6367	SR501693	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/1/1976	4/17/2007		4/17/2007											
6368	SR501695	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/1976		1/23/1999		8/18/1999										
6369	SR501696	SSG	EMPLACED_CNTR	6/12/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/1/1976	4/1/1976		2/9/2007											
6370	SR501697	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/1/1976	4/1/1976		2/19/2007											
6371	SR501698	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/15/1976	4/16/2007		4/16/2007											
6372	SR501698A	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/16/2007		4/16/2007												
6373	SR501699	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/15/1976	4/15/1976		2/8/2007											
6374	SR501700	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/15/1976	4/13/2006	1/16/1999	4/13/2006	9/8/1999										
6375	SR502701	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/21/1976	12/21/1976		2/19/2007											
6376	SR502703	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/21/1976	12/21/1976	12/21/1976	11/25/2003	6/15/1977										
6377	SR502704	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/21/1976		3/17/1999		9/9/1999										
6378	SR502705	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/21/1976	12/21/1976		2/19/2007											
6379	SR502706	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/21/1976		3/24/1999		9/16/1999										
6380	SR502707	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/21/1976	12/21/1976	11/15/1999	6/1/2004	5/9/2000										
6381	SR502708	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/21/1976	12/21/1976		2/19/2007											
6382	SR502710	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/21/1976	4/17/2006	3/31/1999	4/17/2006	9/23/1999										
6383	SR502711	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/21/1976		3/31/1999		9/13/1999										
6384	SR502712	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300		0	12/21/1976		3/15/1999		9/17/1999										
6385	SR502713	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/21/1976		12/7/1999		5/31/2000										
6386	SR502714	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	12/21/1976		3/24/1999		9/16/1999										
6387	SR502715	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/21/1976	6/7/2007		6/7/2007											
6388	SR502716	SSG	EMPLACED_CNTR	3/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/10/1977	9/18/2007		9/18/2007											
6389	SR502717	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/10/1977	2/10/1977		2/12/2007											
6390	SR502719	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/10/1977		6/14/1999		12/7/1999										
6391	SR502720	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 8:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	2/10/1977	11/16/2007		11/16/2007											
6392	SR502721	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-MET	S5300	Remediate	1	1/18/1977	10/1/2007		10/1/2007											
6393	SR502722	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		1/30/1999		9/22/1999										
6394	SR502723	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/16/1999		9/8/1999										
6395	SR502724	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/16/1999		9/16/1999										
6396	SR502725	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/24/1999		9/23/1999										
6397	SR502726	SSG	EMPLACED_CNTR	1/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/31/1999		9/14/1999										
6398	SR502728	SSG	EMPLACED_CNTR	2/1/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/24/1999		9/23/1999										
6399	SR502729	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1977	6/19/2006	3/24/1999	6/19/2006	9/14/1999										
6400	SR502730	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/31/1999		9/23/1999										
6401	SR502731	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1977	10/23/2007	12/7/1999	10/23/2007	5/31/2000										
6402	SR502732	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/24/1999		9/16/1999										
6403	SR502733	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/18/1977		3/25/1999		9/17/1999										
6404	SR502734	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/8/1977		6/23/1999		12/16/1999										
6405	SR502735	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/10/1977		6/14/1999		12/7/1999										
6406	SR502736	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/10/1977	2/10/1977		2/22/2007											
6407	SR502737	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/10/1977		6/14/1999		12/7/1999										
6408	SR502738	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/10/1977	2/10/1977		2/22/2007											
6409	SR502739	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/10/1977		6/14/1999		12/7/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6410	SRS02741	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	3/10/1977	2/19/2008		2/19/2008											
6411	SRS02744	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/2/1999		11/25/1999										
6412	SRS02745	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	3/10/1977	7/1/2004	6/2/1999	7/1/2004	11/25/1999										
6413	SRS02746	SSG	EMPLACED_CNTR	5/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	3/10/1977	3/10/1977		12/28/2007											
6414	SRS02747	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	3/10/1977	5/21/2008	6/7/1999	5/21/2008	11/30/1999										
6415	SRS02748	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	3/10/1977	3/10/1977		12/28/2007											
6416	SRS02750	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/2/1999		11/25/1999										
6417	SRS02751	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		5/27/1999		11/19/1999										
6418	SRS02752	SSG	EMPLACED_CNTR	2/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/7/1999		11/30/1999										
6419	SRS02753	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/1/1999		11/24/1999										
6420	SRS02754	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/1/1999		11/24/1999										
6421	SRS02755	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977		6/2/1999		11/25/1999										
6422	SRS02756	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/10/1977														
6423	SRS02757	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	3/10/1977	3/3/2008		3/3/2008											
6424	SRS02760	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977		5/6/2007											
6425	SRS02761	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977		5/6/2007											
6426	SRS02762	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977	4/5/1977	11/5/2003	9/28/1977										
6427	SRS02763	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977		5/6/2007											
6428	SRS02764	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/5/1977		6/7/1999		11/30/1999										
6429	SRS02765	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/5/1977		6/3/1999		11/26/1999										
6430	SRS02766	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/5/1977	7/18/2007		7/18/2007											
6431	SRS02768	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977	4/5/1977	9/25/2006	9/28/1977										
6432	SRS02769	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/5/1977		6/3/1999		11/26/1999										
6433	SRS02770	SSG	EMPLACED_CNTR	4/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/5/1977	4/5/1977		5/5/2007											
6434	SRS02771	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/5/1977		12/8/1999		6/1/2000										
6435	SRS02772	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/5/1977	7/18/2007		7/18/2007											
6436	SRS02772A	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	7/18/2007		7/18/2007		1/10/2008										
6437	SRS02773	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/5/1977	7/23/2007		7/23/2007											
6438	SRS02774	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO25-772F-HET	SS400	Remediate	1	4/5/1977	7/18/2007		7/18/2007											
6439	SRS02774A	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	7/18/2007		7/18/2007		1/10/2008										
6440	SRS02775	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		11/17/1999		5/15/2000										
6441	SRS02776	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	5/12/1977	5/12/1977		6/17/2007											
6442	SRS02778	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/15/1999		12/8/1999										
6443	SRS02779	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/16/1999		12/9/1999										
6444	SRS02780	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	6/28/2004	6/9/1999	6/28/2004	12/2/1999										
6445	SRS02781	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	6/15/2004	6/10/1999	8/26/2004	12/3/1999										
6446	SRS02782	SSG	EMPLACED_CNTR	1/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/14/1999		12/7/1999										
6447	SRS02783	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	5/12/1977	5/12/1977		5/21/2005											
6448	SRS02784	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Purge	0	5/12/1977	5/12/1977		6/20/2005											
6449	SRS02785	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	10/19/2007		10/19/2007											
6450	SRS02785A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	10/19/2007		10/19/2007		4/12/2008										
6451	SRS02786	SSG	EMPLACED_CNTR	2/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/14/1999		12/7/1999										
6452	SRS02787	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/15/1999		12/8/1999										
6453	SRS02788	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	6/27/2004	6/16/1999	6/27/2004	12/9/1999										
6454	SRS02789	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	7/7/2005	6/9/1999	7/7/2005	12/2/1999										
6455	SRS02790	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	10/27/2006	6/14/1999	10/27/2006	12/7/1999										
6456	SRS02790A	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	10/27/2006		10/27/2006											
6457	SRS02791	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	5/12/1977	1/11/2007		1/11/2007											
6458	SRS02792	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	5/12/1977		6/9/1999		12/2/1999										
6459	SRS02948	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/9/1974	4/18/2008		4/18/2008											
6460	SRS02956	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	6/7/1974	8/27/2008		8/27/2008											
6461	SRS02956A	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	8/27/2008		8/27/2008		2/19/2009										
6462	SRS02959	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	6/7/1974	2/28/2008		2/28/2008											
6463	SRS02960	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	6/7/1974	2/27/2008		2/27/2008				TRUE	TRUE	TRUE					
6464	SRS02964	SSG			4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	8/9/1974		8/9/1974		2/1/1975										
6465	SRS02969	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	8/9/1974	8/9/1974	8/9/1974	1/2/2004	2/1/1975										
6466	SRS02971	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	8/9/1974	8/9/1974	8/9/1974	5/6/2004	2/1/1975										
6467	SRS02972	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	8/9/1974	8/9/1974	8/9/1974	10/22/2004	2/1/1975										
6468	SRS02973	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	8/9/1974	11/18/2004		11/18/2004				TRUE	TRUE	TRUE					
6469	SRS02973D	SSG	EMPLACED_CNTR	5/13/2012 14:52	6/13/2011 16:14	mccabed	SR-WO26-772F-HET	SS300		0	8/9/1974		11/18/2004												
6470	SRS02974	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	7/25/1974	4/4/2007		4/4/2007											
6471	SRS02974A	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/4/2007		4/4/2007												
6472	SRS02977	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	7/25/1974	4/10/2007		4/10/2007											
6473	SRS02980	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	8/9/1974	11/9/2007	8/9/1974	11/9/2007	2/1/1975										
6474	SRS02983	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	8/9/1974	8/9/1974	8/9/1974	1/6/2004	2/1/1975										
6475	SRS03134	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Purge	0	7/25/1974	7/25/1974	7/25/1974	1/3/2004	1/17/1975										
6476	SRS03335	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	7/25/1974	7/25/1974	1/19/2000	12/19/2003	7/13/2000										
6477	SRS04301	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	1/30/1975	6/28/2004	4/21/1999	6/28/2004	10/14/1999										
6478	SRS04302	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	1/30/1975		3/3/1999		8/26/1999										
6479	SRS04303	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	2/5/1975		2/5/1975		7/31/1975										
6480	SRS04305	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	2/6/1975	2/6/1975		6/1/2007											
6481	SRS04306	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	2/6/1975	10/19/2007		10/19/2007											
6482	SRS04307	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	2/6/1975	2/6/1975		5/2/2007											
6483	SRS04308	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	2/7/1975	11/16/2007		11/16/2007											
6484	SRS04309	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	2/7/1975	4/27/2006	3/3/1999	4/27/2006	8/26/1999										
6485	SRS04310	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	2/7/1975	2/7/1975		3/29/2007											
6486	SRS04312	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	2/19/1975	2/19/1975	2/19/1975	12/11/2003	8/14/1975										
6487	SRS04313	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	2/19/1975		4/21/1999		10/14/1999										
6488	SRS04314	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	2/19/1975		2/19/1975		8/14/1975										
6489	SRS04316	SSG	EMPLACED_CNTR	11/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	2/19/1975		11/9/2007		5/4/2008										
6490	SRS04319	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/24/1975	1/23/2008		1/23/2008											
6491	SRS04320	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/24/1975	4/24/1975	4/24/1975	11/5/2003	10/17/1975										
6492	SRS04321	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	4/24/1975	4/24/1975	4/24/1975	11/5/2003	10/17/1975										
6493	SRS04322	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/24/1975	9/27/2007		9/27/2007											
6494	SRS04323	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	4/24/1975		2/24/1999		8/19/1999										
6495	SRS04325	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/24/1975	3/17/2008		3/17/2008											
6496	SRS04325A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300		0	3/17/2008		3/17/2008		9/9/2008										
6497	SRS04326	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/24/1975	10/15/2007		10/15/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6498	SRS04327	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1975		2/24/1999		8/19/1999										
6499	SRS04328	SSG	EMPLACED_CNTR	5/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	11/9/2004	11/16/1999	11/9/2004	5/10/2000										
6500	SRS04329	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	11/9/2004	11/16/1999	11/9/2004	5/10/2000										
6501	SRS04330	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1975		3/4/1999		8/27/1999										
6502	SRS04331	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/24/1975	4/24/1975		7/25/2007											
6503	SRS04333	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	6/2/2008		6/2/2008											
6504	SRS04333A	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/23/2008		1/23/2008		8/17/2008										
6505	SRS04335	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	6/28/2006	4/13/1999	6/28/2006	10/6/1999										
6506	SRS04336	SSG	EMPLACED_CNTR	1/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1975		2/24/1999		8/19/1999										
6507	SRS04337	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	5/6/2006		5/6/2008											
6508	SRS04339	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	4/24/2006	11/16/1999	4/24/2006	5/10/2000										
6509	SRS04342	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/24/1975	4/24/1975		7/28/2007											
6510	SRS04343	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/24/1975	1/22/2008		1/22/2008											
6511	SRS04344	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/24/1975	4/24/1975	4/24/1975	12/11/2003	10/17/1975										
6512	SRS04345	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1975	11/16/2004	7/1/1999	11/16/2004	12/24/1999										
6513	SRS04346	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/12/1975	5/12/1975	5/12/1975	7/10/2005	11/4/1975										
6514	SRS04347	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/12/1975	5/12/1975		4/14/2007											
6515	SRS04349	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/12/1975		5/14/1999		9/15/1999										
6516	SRS04350	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/12/1975		2/22/1999		8/17/1999										
6517	SRS04351	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/12/1975	5/12/1975		4/25/2007				TRUE	TRUE	TRUE					
6518	SRS04352	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1975		5/22/1975		11/14/1975										
6519	SRS04353	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1975		3/13/1999		9/15/1999										
6520	SRS04354	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1975	7/7/2008	5/22/1975	7/7/2008	11/14/1975										
6521	SRS04355	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1975	9/12/2007	5/22/1975	9/12/2007	11/14/1975			TRUE	TRUE	TRUE					
6522	SRS04355A	SSG	EMPLACED_CNTR	5/23/2012 14:52	6/13/2011 16:15	mccabed	SR-W026-772F-HET	SS300			5/22/1975		9/12/2007												
6523	SRS04356	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/9/1975		3/23/1999		9/15/1999										
6524	SRS04357	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/9/1975	9/17/2007		9/17/2007											
6525	SRS04358	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/9/1975	6/9/1975	6/9/1975	10/6/2006	12/2/1975										
6526	SRS04359	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/9/1975	6/9/1975		4/30/2007											
6527	SRS04360	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/9/1975		2/13/1999		8/18/1999			TRUE	TRUE	TRUE					
6528	SRS04361	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/9/1975		6/9/1975		12/2/1975										
6529	SRS04362	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/9/1975	6/9/1975		4/30/2007											
6530	SRS04364	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/2/1975		3/23/1999		9/15/1999										
6531	SRS04365	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/2/1975		3/18/1999		9/10/1999										
6532	SRS04366	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/2/1975	7/2/1975		4/30/2007											
6533	SRS04367	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/7/1975	8/13/2006		8/13/2006											
6534	SRS04368	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/17/1975	10/17/2006		10/17/2006											
6535	SRS04370	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/17/1975	7/17/1975	7/17/1975	11/5/2003	1/9/1976										
6536	SRS04371	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/17/1975		3/18/1999		9/10/1999										
6537	SRS04372	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/22/1975	7/22/1975		2/21/2006											
6538	SRS04373	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/22/1975	9/17/2007		9/17/2007											
6539	SRS04374	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/22/1975	2/8/2007		2/8/2007											
6540	SRS04375	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/21/1975	8/21/1975		3/28/2007											
6541	SRS04376	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1975		3/17/1999		9/9/1999										
6542	SRS04377	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1975		11/8/1999		5/2/2000										
6543	SRS04378	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/21/1975	8/21/1975		3/27/2007											
6544	SRS04380	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1975		8/21/1975		2/13/1976										
6545	SRS04382	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1975		3/18/1999		9/10/1999										
6546	SRS04383	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/27/1975		3/18/1999		9/10/1999										
6547	SRS04384	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/27/1975		4/7/1999		9/30/1999										
6548	SRS04385	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/27/1975		3/15/1999		9/7/1999										
6549	SRS04386	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/27/1975	8/27/1975		10/3/2003				TRUE	TRUE	TRUE					
6550	SRS04386D	SSG	EMPLACED_CNTR	11/8/2011 9:05	7/13/2011 13:53	mccabed	SR-W026-772F-HET	SS300	Remediation		8/26/1975	7/29/2008		7/25/2008											
6551	SRS04387	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/27/1975	8/27/1975	8/27/1975	4/13/2007	2/19/1976										
6552	SRS04388	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/27/1975	8/27/1975		3/28/2007											
6553	SRS04389	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/27/1975	8/27/1975		3/28/2007											
6554	SRS04390	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/26/1975	10/2/2007		10/2/2007											
6555	SRS04392	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/4/1975	10/4/2007		10/4/2007											
6556	SRS04393	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/4/1975	10/4/1975		3/24/2007											
6557	SRS04394	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/4/1975	10/4/1975		3/24/2007											
6558	SRS04395	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/4/1975		10/4/1975		3/28/1976			TRUE	TRUE	TRUE					
6559	SRS04396	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/4/1975			10/3/2007											
6560	SRS04397	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/4/1975	10/3/2007													
6561	SRS04398	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/4/1975		3/22/1999		9/14/1999										
6562	SRS04399	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/4/1975	12/7/2009		12/7/2009											
6563	SRS04477	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/9/1977		6/23/1999		12/16/1999										
6564	SRS04473	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/8/1976		3/29/1999		9/21/1999										
6565	SRS04501	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/12/1976		3/1/1999		8/24/1999										
6566	SRS04502	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/12/1976		5/13/1976		11/4/1976										
6567	SRS04504	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/12/1976		2/24/1999		8/19/1999										
6568	SRS04505	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/12/1976	5/12/1976		4/19/2005											
6569	SRS04506	SSG	EMPLACED_CNTR	7/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/12/1976	5/12/1976		2/8/2007											
6570	SRS04508	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/3/1976	11/12/2007		11/12/2007											
6571	SRS04509	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/3/1976		3/10/1999		9/2/1999										
6572	SRS04510	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/3/1976		3/4/1999		8/27/1999										
6573	SRS04511	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/3/1976		2/22/1999		8/17/1999										
6574	SRS04512	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/3/1976	6/3/1976		2/25/2007											
6575	SRS04514	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/3/1976		3/8/1999		8/31/1999										
6576	SRS04515	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/3/1976	6/3/1976		2/26/2007											
6577	SRS04516	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/3/1976		11/17/1999		5/11/2000										
6578	SRS04517	SSG	EMPLACED_CNTR	1/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/3/1976	7/18/2007		7/18/2007											
6579	SRS04517A	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/18/2007		7/18/2007		1/10/2008										
6580	SRS04518	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/3/1976	6/3/1976	6/3/1976	10/3/2003	11/26/1976										
6581	SRS04523	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/2/1976	3/19/2008		3/19/2008											
6582	SRS04524	SSG	EMPLACED_CNTR	8/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/2/1976	7/2/1976	7/2/1976	11/5/2003	12/15/1976										
6583	SRS04525	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/2/1976		3/17/1999		9/9/1999										
6584	SRS04526	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/2/1976	7/2/1976		4/22/2005											
6585	SRS04528	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/2/1976	1/30/2007	7/2/1976	1/30/2007	12/15/1976										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
																		TRUE	TRUE	TRUE					
6586	SR504528A	SSG	EMPLACED_CNTR	11/9/2011 12:59	7/19/2011 8:58	mccabed	SR-W026-772F-HET	S5300			7/2/1976	7/29/2008		7/29/2008											
6587	SR504529	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/2/1976		3/19/1999		9/2/1999										
6588	SR504530	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/2/1976		3/4/1999		8/27/1999										
6589	SR504531	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1976	3/10/2008		3/10/2008											
																		TRUE	TRUE	TRUE					
6590	SR504532	SSG	EMPLACED_CNTR	10/25/2012 15:30	5/22/2012 10:55	mccabed	SR-W026-772F-HET	S5300	V&P Vent	0	7/2/1976	5/16/2012	2/8/2008	5/16/2012		In Culvert No Vent; 221-F-S5006 Tru Drum Repackaging										
6591	SR504533	SSG	EMPLACED_CNTR	6/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Lid Removal	0	7/2/1976	8/14/2003	3/16/1999	8/14/2003	9/8/1999										
6592	SR504534	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1976	1/16/2007	7/2/1976	1/16/2007	12/25/1976										
6593	SR504535	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	7/2/1976	7/2/1976		6/17/2004											
6594	SR504536	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1976	11/16/2007		11/16/2007											
6595	SR504537	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/2/1976		6/29/1999		12/23/1999										
6596	SR504538	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/2/1976		11/15/1999		5/9/2000										
6597	SR504540	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/11/1999		9/3/1999										
6598	SR504541	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/11/1999		9/3/1999										
6599	SR504542	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/11/1999		9/3/1999										
6600	SR504543	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/8/1999		8/31/1999										
6601	SR504544	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/8/1999		8/31/1999										
6602	SR504545	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/2/1976	8/2/1976		9/5/2004											
6603	SR504547	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/11/1999		9/3/1999										
6604	SR504548	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/2/1976		3/8/1999		8/31/1999										
6605	SR504549	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/4/1976	8/4/1976		10/22/2004											
6606	SR504550	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/4/1976	8/4/1976		9/4/2004											
6607	SR504551	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/4/1976	11/1/2006		11/1/2006											
6608	SR504552	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/4/1976	11/21/2004		11/21/2004											
6609	SR504553	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/4/1976	11/20/2004		11/30/2004											
6610	SR504554	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/4/1976	8/4/1976		9/17/2004											
6611	SR504555	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/4/1976	5/30/2006		5/30/2006											
6612	SR504556	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Lid Removal	0	8/4/1976	8/14/2003	3/8/1999	8/14/2003	8/31/1999										
6613	SR504557	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/4/1976		3/4/1999		8/27/1999										
6614	SR504558	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/4/1976	3/15/2006		3/15/2006											
6615	SR504559	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/9/1976	7/9/2007		7/9/2007											
6616	SR504559A	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/9/2007		7/9/2007		1/1/2008										
6617	SR504560	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/9/1976	9/9/1976		7/15/2007											
6618	SR504561	SSG	EMPLACED_CNTR	12/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/7/1976	7/25/2007		7/25/2007											
6619	SR504561A	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/25/2007		7/25/2007		1/17/2008										
6620	SR504562	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/9/1976	10/20/2007	12/2/1999	10/20/2007	5/26/2000										
6621	SR504563	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/9/1976	9/9/1976		2/16/2007											
6622	SR504564	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/9/1976		3/22/1999		9/14/1999										
6623	SR504565	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/9/1976		3/11/1999		9/3/1999										
6624	SR504566	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/9/1976		3/22/1999		9/14/1999										
6625	SR504567	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/9/1976	7/24/2007		7/24/2007											
6626	SR504571	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/15/1976	2/27/2008		2/27/2008											
6627	SR504572	SSG	EMPLACED_CNTR	4/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/15/1976	10/15/1976		12/7/2007											
6628	SR504573	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/15/1976	10/15/1976		1/19/2008											
6629	SR504574	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/24/1999		12/17/1999										
6630	SR504575	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/8/1999		12/1/1999										
6631	SR504576	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/15/1976	6/20/2006	3/16/1999	6/20/2006	9/8/1999			TRUE	TRUE	TRUE					
6632	SR504577	SSG	EMPLACED_CNTR	5/23/2012 14:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/15/1976	5/20/2008	6/10/1999	5/20/2008	12/3/1999										
6633	SR504577A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/2008		5/20/2008		11/12/2008										
6634	SR504578	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/15/1976	4/18/2008		4/18/2008											
6635	SR504580	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/8/1999		12/1/1999										
6636	SR504581	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/1/1999		11/24/1999										
6637	SR504582	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/15/1976	10/15/1976	11/15/1999	6/1/2004	5/9/2000										
6638	SR504583	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/8/1999		12/1/1999										
6639	SR504584	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/8/1999		12/3/1999										
6640	SR504585	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/10/1999		11/25/1999										
6641	SR504586	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/15/1976		6/3/1999		9/8/1999										
6642	SR504587	SSG	EMPLACED_CNTR	2/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1976		3/16/1999		12/21/2006										
6643	SR504588	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/8/1976	11/8/1976	6/28/2006	6/28/2006	9/16/1999										
6644	SR504589	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/8/1976	10/23/2007	3/14/1999	10/23/2007	9/21/1999										
6645	SR504590	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1976		3/14/1999		12/20/2006										
6646	SR504591	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/8/1976	11/9/2007	6/27/2006	11/9/2007	5/3/2008										
6647	SR504591A	SSG	EMPLACED_CNTR	4/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/9/2007		11/8/2007		12/21/2006										
6648	SR504592	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/8/1976	1/4/2007	6/28/2006	1/4/2007	12/22/2006										
6649	SR504593	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/8/1976	11/8/1976	6/29/2006	6/29/2006	12/27/2006										
6650	SR504594	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/8/1976	11/8/1976	7/4/2006	7/4/2006	12/22/2006										
6651	SR504595	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/8/1976	11/8/1976	6/19/2006	6/29/2006	12/27/2006										
6652	SR504597	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1976		3/17/1999		9/9/1999										
6653	SR504598	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1976		3/29/1999		9/21/1999										
6654	SR504599	SSG	EMPLACED_CNTR	2/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1978		3/14/1999		9/8/1999										
6655	SR504600	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1978		3/29/1999		9/21/1999										
6656	SR505301	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/8/1977		6/23/1999		12/16/1999										
6657	SR505302	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/8/1977		6/14/1999		12/7/1999										
6658	SR505303	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/14/1999		12/7/1999										
6659	SR505304	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/13/1999		12/16/1999										
6660	SR505305	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/23/1999		12/16/1999										
6661	SR505306	SSG	EMPLACED_CNTR	5/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/14/2007											
6662	SR505308	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/14/1999		12/7/1999										
6663	SR505309	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		11/17/1999		5/11/2000										
6664	SR505310	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/9/1977	7/13/2006	6/17/1999	7/13/2006	12/10/1999										
6665	SR505311	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/24/1999		12/17/1999										
6666	SR505312	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/10/1999		12/3/1999										
6667	SR505313	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/9/1977		6/23/1999		12/16/1999										
6668	SR505314	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/9/2007											
6669	SR505316	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/11/2007											
6670	SR505317	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/8/2007											
6671	SR505318	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/15/2007											
6672	SR505319	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1977	6/9/1977		2/15/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6673	SR505320	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/9/1977	6/9/1977		2/3/2007											
6674	SR505321	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	6/9/1977	6/9/1977		2/13/2007											
6675	SR505322	55G	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/9/1977	6/9/1977		2/14/2007											
6676	SR505323	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	6/9/1977	11/20/2007		11/20/2007											
6677	SR505324	55G	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	6/9/1977														
6678	SR505325	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/9/1977		6/23/1999		12/16/1999										
6679	SR505326	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/9/1977	6/9/1977	6/9/1977	11/5/2003	11/2/1977										
6680	SR505327	55G	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/14/1977		6/17/1999		12/10/1999										
6681	SR505328	55G	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/14/1977		6/17/1999		12/10/1999										
6682	SR505329	55G	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/14/1977		6/22/1999		12/15/1999										
6683	SR505330	55G	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Lid Removal	0	7/14/1977	8/14/2003	7/14/1977	8/14/2003	1/6/1978										
6684	SR505331	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/14/1977		11/30/1999		5/24/2000										
6685	SR505332	55G	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/14/1977	11/29/2004	6/17/1999	11/29/2004	12/10/1999										
6686	SR505333	55G	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/14/1977		6/17/1999		12/10/1999										
6687	SR505334	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/14/1977	7/14/1977		2/11/2007											
6688	SR505336	55G	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	10/24/2007		10/24/2007											
6689	SR505336A	55G	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	10/24/2007		10/24/2007		4/17/2008										
6690	SR505337	55G	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/21/1977		6/22/1999		12/15/1999										
6691	SR505338	55G	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/21/1977		6/22/1999		12/15/1999										
6692	SR505339	55G	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/21/1977		6/17/1999		12/10/1999										
6693	SR505340	55G	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	6/27/2006	6/22/1999	6/27/2006	12/15/1999										
6694	SR505341	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	7/21/1977		6/17/1999		12/10/1999										
6695	SR505342	55G	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	9/26/2007		9/26/2007											
6696	SR505343	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	7/18/2007		7/18/2007											
6697	SR505344	55G	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	7/11/2007		7/11/2007											
6698	SR505345	55G	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/21/1977	6/30/2004	6/17/1999	6/30/2004	12/10/1999										
6699	SR505346	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/11/1977		6/17/1999		12/10/1999										
6700	SR505347	55G	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/11/1977	7/13/2007		7/13/2007											
6701	SR505348	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/11/1977	3/9/2006	8/11/1977	3/9/2006	1/3/1978										
6702	SR505350	55G	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/11/1977		6/17/1999		12/10/1999										
6703	SR505351	55G	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/11/1977		6/21/1999		12/14/1999										
6704	SR505352	55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/25/1977	7/17/2007	8/23/1999	7/17/2007	2/15/2000										
6705	SR505353	55G	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/19/1999		4/12/2000										
6706	SR505354	55G	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/19/1999		4/12/2000										
6707	SR505355	55G	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		8/19/1999		2/11/2000										
6708	SR505356	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/25/1977	8/25/1977	8/25/1977	10/4/2006	2/17/1978										
6709	SR505357	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/25/1999		4/18/2000										
6710	SR505358	55G	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		8/19/1999		2/11/2000										
6711	SR505359	55G	EMPLACED_CNTR	1/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/19/1999		4/12/2000										
6712	SR505360	55G	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/25/1977	8/25/1977		12/13/2007											
6713	SR505361	55G	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/25/1977	8/25/1977		12/14/2007											
6714	SR505363	55G	EMPLACED_CNTR	5/15/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/25/1977	8/25/1977		12/19/2007											
6715	SR505364	55G	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/25/1977	8/25/1977		12/19/2007											
6716	SR505365	55G	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/25/1999		4/18/2000										
6717	SR505366	55G	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		8/25/1999		2/17/2000										
6718	SR505367	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/19/1999		4/12/2000										
6719	SR505368	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	8/25/1977		10/19/1999		4/12/2000										
6720	SR505369	55G	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	9/1/1977		10/21/1999		4/14/2000										
6721	SR505370	55G	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	9/1/1977		10/21/1999		4/14/2000										
6722	SR505371	55G	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	9/1/1977		8/19/1999		2/11/2000										
6723	SR505372	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	9/1/1977		10/19/1999		4/12/2000										
6724	SR505373	55G	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	9/1/1977	9/1/1977		12/14/2007											
6725	SR505376	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/22/1977		3/30/1999		9/22/1999										
6726	SR505377	55G	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/25/2008	5/11/1978										
6727	SR505378	55G	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/22/1977	11/22/1977	11/16/1999	6/1/2004	5/10/2000										
6728	SR505379	55G	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	11/22/1977	11/22/1977		12/29/2007											
6729	SR505380	55G	EMPLACED_CNTR	6/27/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/17/1977	9/9/2008		9/9/2008											
6730	SR505381	55G	EMPLACED_CNTR	6/27/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/17/1977	9/17/2008	11/17/1977	9/17/2008	5/12/1978										
6731	SR505381A	55G	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	9/17/2008		9/17/2008		3/11/2009										
6732	SR505382	55G	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/24/2008	5/12/1978										
6733	SR505383	55G	EMPLACED_CNTR	10/30/2010 10:58	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/24/2008	5/12/1978										
6734	SR505384	55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/22/1977	5/28/2008		5/28/2008											
6735	SR505385	55G	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/25/2008	5/12/1978										
6736	SR505386	55G	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/25/2008	5/12/1978										
6737	SR505387	55G	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/17/1977	11/17/1977	11/17/1977	7/24/2008	5/12/1978										
6738	SR505388	55G	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/25/1999		9/17/1999										
6739	SR505389	55G	EMPLACED_CNTR	1/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/17/1977	6/22/2006	8/31/1999	6/22/2006	9/23/1999										
6740	SR505390	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/24/1999		9/16/1999										
6741	SR505391	55G	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/31/1999		9/23/1999										
6742	SR505392	55G	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/30/1999		9/22/1999										
6743	SR505393	55G	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/29/1999		9/21/1999										
6744	SR505394	55G	EMPLACED_CNTR	9/5/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/17/1977	3/1/2006	3/30/1999	3/1/2006	9/22/1999	SW006L063 re-named and WS-reassigned from SR-SWMF-HET-A. Tru Drum repacking 221-F. 55006.		TRUE	FALSE	TRUE					
6745	SR505394A	55G	EMPLACED_CNTR	5/24/2012 10:34	3/15/2012 20:47	mccabed	SR-W026-772F-HET	55300			1/2/2006	3/10/2012	3/2/2006	3/10/2012											
6746	SR505395	55G	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/30/1999		9/22/1999										
6747	SR505396	55G	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/30/1999		9/22/1999										
6748	SR505397	55G	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/30/1999		9/22/1999										
6749	SR505398	55G	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	11/17/1977		3/30/1999		9/22/1999										
6750	SR505399	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	4/25/1978	4/25/1978		3/17/2005											
6751	SR505400	55G	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	4/25/1978	4/25/1978		3/18/2005											
6752	SR505901	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	4/25/1978	4/25/1978		3/18/2005											
6753	SR505902	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/25/1978	11/16/2006		11/16/2006											
6754	SR505905	55G	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	4/25/1978		4/12/1999		10/5/1999										
6755	SR505906	55G	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300		0	4/25/1978		5/18/1999		11/10/1999										
6756	SR505907	55G	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/25/1978	4/25/1978		3/2/2005											
6757	SR505909	55G	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/25/1978	4/25/1978		3/20/2005											
6758	SR505910	55G	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/25/1978	6/27/2006	6/23/1999	6/27/2006	12/15/1999										
6759	SR505911	55G	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	4/25/1978	4/25/1978		3/18/2005											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6760	SR505912	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	4/25/1978		6/15/1999		12/8/1999										
6761	SR505913	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	4/25/1978	4/25/1978		7/21/2005											
6762	SR505914	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	6/19/2005		6/19/2005											
6763	SR505915	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	10/10/2007	5/13/1999	10/10/2007	11/5/1999										
6764	SR505916	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	4/25/1978		4/25/1978		10/18/1978										
6765	SR505918	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	3/23/2006	6/15/1978	3/23/2006	12/8/1978										
6766	SR505920	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	6/29/2004	6/15/1978	6/29/2004	12/8/1978										
6767	SR505922	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/28/1999		10/21/1999										
6768	SR505923	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/28/1999		10/21/1999										
6769	SR505924	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/28/1999		10/21/1999										
6770	SR505925	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	8/24/2006	4/28/1999	8/24/2006	10/21/1999										
6771	SR505925A	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1		8/24/2006		8/24/2006											
6772	SR505926	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		7/1/1999		12/24/1999										
6773	SR505927	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	6/15/1978	6/15/1978		3/29/2005											
6774	SR505928	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	6/15/1978	6/15/1978		3/29/2005											
6775	SR505929	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	10/23/2007	12/7/1999	10/23/2007	5/31/2000										
6776	SR505930	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	11/21/2004		11/21/2004											
6777	SR505931	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	8/17/2006		8/17/2006											
6778	SR505933	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		6/15/1978		12/8/1978										
6779	SR505935	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	6/19/2005		6/19/2005											
6780	SR505936	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	11/30/2004	5/19/1999	11/30/2004	11/11/1999										
6781	SR505937	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	12/29/2005		12/29/2005											
6782	SR505938	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		5/20/1999		11/12/1999										
6783	SR505939	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		5/19/1999		11/11/1999										
6784	SR505940	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/22/1999		10/15/1999										
6785	SR505941	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		12/7/1999		5/31/2000										
6786	SR505942	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		5/19/1999		11/11/1999										
6787	SR505943	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	6/15/1978	6/15/1978		3/1/2005											
6788	SR505944	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/29/1999		10/22/1999										
6789	SR505945	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	6/15/1978	6/15/1978		3/31/2005											
6790	SR505946	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		5/19/1999		11/11/1999										
6791	SR505947	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	7/26/2007		7/26/2007											
6792	SR505948	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/16/1999		10/19/1999										
6793	SR505949	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	6/15/1978	6/28/2004	6/15/1978	6/28/2004	12/8/1978										
6794	SR505951	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		6/15/1978		12/8/1978										
6795	SR505953	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	6/15/1978	6/15/1978		3/31/2005											
6796	SR505955	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	6/15/1978		4/26/1999		10/19/1999										
6797	SR505957	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/25/1999		11/17/1999										
6798	SR505958	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/25/1999		11/17/1999										
6799	SR505959	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		4/17/1999		10/20/1999										
6800	SR505960	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		4/27/1999		10/20/1999										
6801	SR505961	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	8/29/1978	8/29/1978		9/4/2006											
6802	SR505962	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	8/29/1978	8/29/1978		5/25/2005											
6803	SR505964	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/25/1999		11/17/1999										
6804	SR505965	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	8/29/1978	10/26/2006	4/12/1999	10/26/2006	10/15/1999										
6805	SR505966	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	8/29/1978	8/29/1978		5/25/2005											
6806	SR505967	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		4/26/1999		10/19/1999										
6807	SR505968	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/25/1999		11/17/1999										
6808	SR505969	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		8/29/1978		2/21/1979										
6809	SR505971	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		4/26/1999		10/19/1999										
6810	SR505972	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		4/26/1999		10/19/1999										
6811	SR505973	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	8/29/1978	11/8/2007		11/8/2007											
6812	SR505974	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/24/1999		11/16/1999										
6813	SR505975	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	8/29/1978		5/24/1999		11/16/1999										
6814	SR505976	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	8/29/1978	8/29/1978		5/24/2005											
6815	SR505977	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	10/24/1978	7/12/2006	10/24/1978	7/12/2006	4/18/1979										
6816	SR505979	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		10/24/1978		4/18/1979										
6817	SR505981	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978	10/24/1978		12/19/2007											
6818	SR505982	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	10/24/1978	11/9/2007		11/9/2007											
6819	SR505983	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		5/13/1999		11/5/1999										
6820	SR505984	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	10/24/1978	10/24/1978		12/20/2007											
6821	SR505985	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978	10/24/1978	5/13/1999	3/31/2005	11/5/1999										
6822	SR505986	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978	10/24/1978		6/30/2005											
6823	SR505987	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978	10/24/1978		5/29/2005											
6824	SR505988	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	10/24/1978	10/24/1978		5/27/2005											
6825	SR505989	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978			12/11/2007											
6826	SR505990	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		5/17/1999		11/9/1999										
6827	SR505991	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		5/17/1999		11/9/1999										
6828	SR505992	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	10/24/1978	10/24/1978		6/16/2005											
6829	SR505993	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		5/4/1999		10/27/1999										
6830	SR505994	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	10/24/1978		5/13/1999		11/5/1999										
6831	SR505995	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	12/5/1978	8/28/2007		8/28/2007											
6832	SR505997	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	11/14/1978	2/19/2008		2/19/2008											
6833	SR505998	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/10/1999		11/2/1999										
6834	SR505999	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	11/14/1978	5/7/2008	5/26/1999	5/7/2008	11/18/1999										
6835	SR506000	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	11/14/1978	11/14/1978		1/25/2008											
6836	SR506001	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/5/1999		10/28/1999										
6837	SR506002	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	11/14/1978	3/3/2008		3/3/2008											
6838	SR506002A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	3/3/2008		3/3/2008		8/26/2008										
6839	SR506003	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/4/1999		10/27/1999										
6840	SR506004	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	11/14/1978	3/16/2006	11/15/1999	3/16/2006	5/9/2000										
6841	SR506005	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Vent	0	11/14/1978	11/14/1978		1/26/2007											
6842	SR506006	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/25/1999		11/17/1999										
6843	SR506007	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/26/1999		11/18/1999										
6844	SR506008	SSG	EMPLACED_CNTR	5/16/2005	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	Remediate	1	11/14/1978	11/30/2007		11/30/2007											
6845	SR506009	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300	V&P Purge	0	11/14/1978	11/14/1978		1/26/2008											
6846	SR506010	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/19/1999		11/11/1999										
6847	SR506011	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWS_Upd	SR-W026-772F-HET	SS300		0	11/14/1978		5/10/1999		11/2/1999										

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6848	SR506012	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/14/1978	7/11/2006	5/5/1999	7/11/2006	10/28/1999										
6849	SR506013	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/14/1978		5/26/1999		11/18/1999										
6850	SR506014	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/14/1978	12/19/2006	5/26/1999	12/19/2006	10/29/1999										
6851	SR506015	SSG	EMPLACED_CNTR	5/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/14/1978	12/2/2006	5/26/1999	12/2/2006	11/18/1999										
6852	SR506016	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/14/1978	3/15/2007		3/15/2007											
6853	SR506017	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/14/1978		5/25/1999		11/17/1999										
6854	SR506018	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/14/1978		5/10/1999		11/2/1999										
6855	SR506019	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/14/1978	11/14/1978		12/20/2007											
6856	SR506020	SSG	EMPLACED_CNTR	1/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/5/1978	12/5/1978		7/20/2006											
6857	SR506021	SSG	EMPLACED_CNTR	12/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/5/1978	12/5/1978		1/10/2007											
6858	SR506024	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/5/1978	2/22/2007		2/22/2007											
6859	SR506025	SSG	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/5/1978		6/7/1999		11/30/1999										
6860	SR506026	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		10/21/1999		4/14/2000										
6861	SR506027	SSG	EMPLACED_CNTR	11/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		10/20/1999		4/13/2000										
6862	SR506028	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1979	2/15/2006	1/18/1979	2/15/2006	7/13/1979										
6863	SR506030	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		1/18/1979		7/13/1979										
6864	SR506032	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		8/12/1999		2/4/2000										
6865	SR506033	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		12/2/1999		5/26/2000										
6866	SR506034	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		5/17/2007											
6867	SR506035	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		5/27/2007											
6868	SR506037	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		10/20/1999		4/13/2000										
6869	SR506038	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		5/27/2007											
6870	SR506039	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1979	10/4/2007		10/4/2007											
6871	SR506041	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		5/27/2007											
6872	SR506042	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1979	2/14/2006	8/12/1999	2/14/2006	2/4/2000										
6873	SR506043	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1979	9/20/2006	10/19/1999	9/20/2006	4/12/2000										
6874	SR506044	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		8/12/1999		2/4/2000										
6875	SR506045	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		1/18/1979		7/13/1979										
6876	SR506047	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		5/17/2007											
6877	SR506048	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		6/15/1999		12/8/1999										
6878	SR506049	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1979	3/8/2006	8/12/1999	3/8/2006	2/4/2000										
6879	SR506050	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		8/11/1999		2/3/2000										
6880	SR506051	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		8/12/1999		2/4/2000										
6881	SR506052	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1979		8/12/1999		2/4/2000										
6882	SR506053	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1979	1/18/1979		10/27/2007											
6883	SR506054	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		3/8/1979		8/31/1979										
6884	SR506056	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		5/31/1999		12/16/1999										
6885	SR506057	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-HET	S5300	Remediate	1	3/8/1979	2/24/2006	11/3/1999	2/24/2006	4/27/2000										
6886	SR506058	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		3/8/1979		8/31/1979										
6887	SR506060	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	8/3/2007		8/3/2007											
6888	SR506061	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		6/15/1999		12/8/1999										
6889	SR506062	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/8/1979	3/8/1979		2/14/2007											
6890	SR506063	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/8/1979	3/8/1979		2/13/2007											
6891	SR506064	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		8/11/1999		2/3/2000										
6892	SR506065	SSG	EMPLACED_CNTR	6/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/8/1979	3/8/1979		2/13/2007											
6893	SR506067	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	1/8/2006	7/13/1999	1/8/2006	1/5/2000										
6894	SR506068	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	3/16/2006	6/15/1999	3/16/2006	12/8/1999										
6895	SR506069	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		3/8/1979		8/31/1979										
6896	SR506071	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		6/24/1999		12/17/1999										
6897	SR506072	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	3/8/1979	3/8/1979		2/13/2007											
6898	SR506073	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		6/15/1999		12/8/1999										
6899	SR506074	SSG	EMPLACED_CNTR	8/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/8/1979	3/8/1979		2/13/2007											
6900	SR506075	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	3/15/2006	7/15/1999	3/15/2006	1/7/2000										
6901	SR506076	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		12/3/1999		4/27/2000										
6902	SR506077	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		8/11/1999		2/3/2000										
6903	SR506078	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	11/26/2007		11/26/2007											
6904	SR506079	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W018-777F-HET	S5300		0	3/8/1979		3/8/1979		8/31/1979										
6905	SR506081	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/8/1979	6/20/2007		6/20/2007											
6906	SR506083	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		7/14/1999		1/5/2000										
6907	SR506084	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		8/15/1999		12/8/1999										
6908	SR506085	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		6/21/1999		12/14/1999										
6909	SR506087	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/8/1979		11/4/1999		4/28/2000										
6910	SR506090	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/19/1979	2/20/2008		2/20/2008											
6911	SR506090A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/20/2008		2/20/2008		8/14/2008										
6912	SR506091	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/19/1979	4/19/1979		5/31/2007											
6913	SR506093	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/19/1979	4/19/1979		6/9/2007											
6914	SR506095	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/19/1979		6/23/1999		12/16/1999										
6915	SR506096	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/19/1979		7/19/1999		1/11/2000										
6916	SR506097	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/19/1979		7/12/1999		1/4/2000										
6917	SR506098	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/19/1979		7/19/1999		1/7/2000										
6918	SR506099	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/19/1979		8/11/1999		2/3/2000										
6919	SR507101	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6920	SR507102	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/29/1999		9/21/1998										
6921	SR507103	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6922	SR507104	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/28/1977		3/30/1999		9/22/1999										
6923	SR507105	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6924	SR507106	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/21/1999										
6925	SR507107	SSG	EMPLACED_CNTR	3/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/29/1999		9/21/1999										
6926	SR507108	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/25/1999		9/17/1999										
6927	SR507109	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/22/1977	4/21/2008		4/21/2008											
6928	SR507111	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6929	SR507112	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/28/1977	11/29/1977	11/16/1999	6/2/2004	5/10/2000										
6930	SR507113	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/22/1977	11/22/1977		12/21/2007											
6931	SR507114	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/22/1977	4/22/2008		4/22/2008											
6932	SR507116	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6933	SR507117	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/22/1999										
6934	SR507118	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/22/1977		3/30/1999		9/21/1999										
6935	SR507119	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/22/1977	11/29/2004	3/29/1999	11/29/2004	9/21/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
6936	SRS07120	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/29/1977		12/1/1999		5/25/2000										
6937	SRS07121	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/22/1977		3/25/1999		9/17/1999										
6938	SRS07122	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/28/1977		11/17/1999		9/11/2000										
6939	SRS07123	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/29/1977	11/30/2004	11/15/1999	11/30/2004	5/9/2000										
6940	SRS07124	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/29/1977		3/29/1999		9/21/1999										
6941	SRS07125	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/29/1977	12/8/2009		12/8/2009											
6942	SRS07125A	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W026-772F-HET	SS300		0	12/8/2009		12/8/2009		6/2/2010										
6943	SRS07126	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/29/1977	10/26/2006	11/15/1999	10/26/2006	5/9/2000										
6944	SRS07127	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/29/1977	11/29/1977		12/17/2007											
6945	SRS07128	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	11/29/1977	11/29/1977	11/15/1999	2/9/2004	5/9/2000										
6946	SRS07129	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		6/8/1999		12/2/1999										
6947	SRS07130	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/19/1999		10/12/1999										
6948	SRS07131	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/29/1977	4/21/2008		4/21/2008											
6949	SRS07132	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/13/1999		10/6/1999										
6950	SRS07133	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		5/10/1999		11/2/1999										
6951	SRS07134	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/19/1999		10/12/1999										
6952	SRS07135	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/29/1977	4/16/2008		4/16/2008											
6953	SRS07135A	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/16/2008		4/16/2008		10/9/2008										
6954	SRS07136	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/19/1999		10/12/1999										
6955	SRS07137	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/19/1999		10/12/1999										
6956	SRS07139	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/29/1977	9/19/2006	4/13/1999	9/19/2006	10/6/1999										
6957	SRS07140	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		11/17/1999		5/11/2000										
6958	SRS07141	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/13/1999		10/6/1999										
6959	SRS07142	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/29/1977	6/28/2004	4/14/1999	6/28/2004	10/7/1999										
6960	SRS07143	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/13/1999		10/6/1999										
6961	SRS07144	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	12/29/1977	12/29/1977	12/29/1977	3/16/2008	6/13/1978										
6962	SRS07145	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		11/17/1999		5/11/2000										
6963	SRS07146	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/8/1999		10/1/1999										
6964	SRS07147	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	12/29/1977	12/29/1977		3/15/2008											
6965	SRS07148	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/13/1999		10/6/1999										
6966	SRS07149	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/29/1977		4/12/1999		10/5/1999										
6967	SRS07150	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/21/1978	2/11/1978		2/12/2005											
6968	SRS07152	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/21/1978	2/21/1978	11/16/1999	6/1/2004	5/10/2000										
6969	SRS07153	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/21/1978	2/21/1978		3/21/2005											
6970	SRS07154	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/21/1978	3/28/2007	11/16/1999	3/28/2007	5/10/2000										
6971	SRS07155	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/21/1978	2/21/1978		2/12/2005											
6972	SRS07157	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		6/8/1999		12/1/1999										
6973	SRS07158	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		6/8/1999		12/1/1999										
6974	SRS07159	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		4/11/1999		10/14/1999										
6975	SRS07160	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/21/1978	2/21/1978		3/21/2005											
6976	SRS07161	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		6/8/1999		12/1/1999										
6977	SRS07162	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		5/6/1999		10/29/1999										
6978	SRS07163	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		4/23/1999		10/15/1999										
6979	SRS07164	SSG	EMPLACED_CNTR	11/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/21/1978	4/12/2006	6/8/1999	4/12/2006	12/1/1999										
6980	SRS07165	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/21/1978	2/21/1978		3/21/2005											
6981	SRS07166	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		5/10/1999		11/2/1999										
6982	SRS07167	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/21/1978	2/21/1978		3/21/2005											
6983	SRS07168	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		6/8/1999		12/1/1999										
6984	SRS07169	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		6/8/1999		12/1/1999										
6985	SRS07170	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/21/1978		2/21/1978		8/16/1978										
6986	SRS07172	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		11/17/1999		5/11/2000										
6987	SRS07173	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	10/13/2006		10/13/2006											
6988	SRS07174	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		4/25/1978		10/18/1978										
6989	SRS07176	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	11/15/2004		11/15/2004											
6990	SRS07177	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/25/1978	4/25/1978		3/29/2005											
6991	SRS07178	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	7/23/2006		7/23/2006											
6992	SRS07179	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/25/1978	4/25/1978		3/9/2005											
6993	SRS07180	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		4/25/1978		10/18/1978										
6994	SRS07182	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		6/16/1999		12/9/1999										
6995	SRS07183	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		4/25/1978		10/18/1978										
6996	SRS07185	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		4/25/1978		10/18/1978										
6997	SRS07187	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/25/1978	4/25/1978		3/20/2005											
6998	SRS07188	SSG	EMPLACED_CNTR	2/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		5/18/1999		11/10/1999										
6999	SRS07189	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/25/1978	11/12/2006	4/25/1978	11/12/2006	10/18/1978										
7000	SRS07191	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		6/14/1999		11/10/1999										
7001	SRS07192	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		5/18/1999		5/11/2000										
7002	SRS07194	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/25/1978		11/17/1999												
7003	SRS07195	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/25/1978	4/25/1978		3/17/2005											
7004	SRS07197	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/25/1978	4/25/1978		3/5/2005											
7005	SRS10401	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/16/1979	8/16/1979		5/7/2007											
7006	SRS10402	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1979		8/16/1999		2/8/2000										
7007	SRS10403	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1979	10/16/2007		10/16/2007											
7008	SRS10403A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/16/2007	10/16/2007	10/16/2007	7/12/2008	4/9/2008										
7009	SRS10404	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1979	7/11/2006	8/23/1999	7/11/2006	2/15/2000										
7010	SRS10405	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1979		8/9/1999		2/1/2000										
7011	SRS10406	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1979	10/9/2007		10/9/2007											
7012	SRS10407	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1979	8/1/2007	8/25/1999	8/1/2007	2/17/2000										
7013	SRS10408	SSG	EMPLACED_CNTR	1/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1979		12/6/1999		5/30/2000										
7014	SRS10409	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/16/1979	8/16/1979	8/24/1999	10/24/2003	2/16/2000										
7015	SRS10410	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/16/1979	8/16/1979	11/30/1999	12/19/2003	5/24/2000										
7016	SRS10411	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1979	3/13/2007	11/17/1999	3/13/2007	5/11/2000										
7017	SRS10413	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1979		8/10/1999		2/2/2000										
7018	SRS10414	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/11/1979		9/11/1979		3/5/1980										
7019	SRS10417	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/11/1979	7/30/2007		7/30/2007											
7020	SRS10419	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/11/1979		9/11/1979		3/5/1980										
7021	SRS10421	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/11/1979		9/11/1979		3/5/1980										
7022	SRS10423	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/11/1979	10/19/2006		10/19/2006											
7023	SRS10423A	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1		10/19/2006		10/19/2006											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7024	SRS10425	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/11/1979		9/11/1979		3/5/1980										
7025	SRS10427	SSG	EMPLACED_CNTR	12/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/11/1979	7/23/2007		7/23/2007											
7026	SRS10429	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/11/1979		9/11/1979		3/5/1980										
7027	SRS10431	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/11/1979		9/11/1979		3/5/1980										
7028	SRS10433	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/11/1979	9/11/1979		11/29/2006											
7029	SRS10434	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/11/1979	9/11/1979		5/4/2007											
7030	SRS10436	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/11/1979	9/11/1979		7/31/2004											
7031	SRS10437	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/11/1979	9/11/1979		12/1/2006											
7032	SRS10438	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/11/1979	10/29/2007		10/29/2007											
7033	SRS10438A	SSG	EMPLACED_CNTR	5/24/2012 10:34	2/21/2012 18:22	mccabed	SR-W026-772F-HET	S5300	None		2/28/2006		2/28/2006			Container was previously assigned SWD061435		TRUE	FALSE	TRUE					
7034	SRS10440	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-HET	S5300		0	9/11/1979		10/25/1999		4/18/2000										
7035	SRS10441	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/11/1979	9/11/1979		7/31/2004											
7036	SRS10442	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/11/1979		10/20/1999		4/13/2000										
7037	SRS10443	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/11/1979	6/28/2004	8/12/1999	6/28/2004	2/4/2000										
7038	SRS10444	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/18/1979	11/20/2004		11/20/2004											
7039	SRS10446	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-HET	S5300	V&P Purge	0	9/18/1979	9/18/1979		7/30/2004											
7040	SRS10447	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/18/1979	9/18/1979		7/31/2004											
7041	SRS10448	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/18/1979	9/18/1979		7/31/2004											
7042	SRS10449	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/4/1979		3/28/1980										
7043	SRS10451	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1979	10/4/1979		3/1/2007											
7044	SRS10452	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/4/1979		3/28/1980										
7045	SRS10454	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1979	10/4/1979	10/4/1979	3/3/2007	3/28/1980										
7046	SRS10456	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/4/1979	9/17/2007	10/4/1979	9/17/2007	3/28/1980										
7047	SRS10459	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/28/1999		4/21/2000										
7048	SRS10460	SSG	EMPLACED_CNTR	2/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		11/30/1999		5/24/2000										
7049	SRS10461	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1979	10/4/1979	10/4/1979	7/17/2005	3/28/1980										
7050	SRS10462	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		8/16/1999		2/8/2000										
7051	SRS10463	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		11/2/1999		4/26/2000										
7052	SRS10464	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		11/3/1999		4/27/2000										
7053	SRS10465	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/4/1979	3/5/2007		3/5/2007											
7054	SRS10467	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/21/1999		4/14/2000										
7055	SRS10468	SSG	EMPLACED_CNTR	3/24/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/4/1979	11/16/2007		11/16/2007											
7056	SRS10469	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/4/1979		3/28/1980										
7057	SRS10470	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1979	10/4/1979		3/2/2007											
7058	SRS10471	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1979		10/28/1999		4/21/2000										
7059	SRS10472	LSB			9/7/2011 12:28	mccabed	SR-W026-772F-HET	S5300			10/1/1979	8/19/2011	10/1/1979	8/19/2011			- Rpkgd into SRS1047201 - Rpkgd into SRS1047202 - Rpkgd into SRS1047203 Rpkgd into SRS1047204 - Rpkgd into SRS1047205 - Rpkgd into SRS1047206 - Rpkgd was SRS10472	TRUE TRUE	TRUE TRUE	TRUE TRUE				SRS10472		Repack
7060	SRS1047204	SWB	EMPLACED_CNTR	5/20/2012 13:57	1/18/2012 18:37	mccabed	SR-W026-772F-HET	S5300	Vent		8/19/2011		8/19/2011	1/17/2012											
7061	SRS1047205	SWB	EMPLACED_CNTR	4/29/2012 15:03	1/30/2012 16:44	mccabed	SR-W026-772F-HET	S5300	Vent		8/19/2011	11/8/2011	8/19/2011	11/8/2011		I received attachments 8.1, 8.2, 8.3 and 8.4 after receiving the 221F remediation procedure for the daughter drum.	- Rpkgd was SRS10472 - Rpkgd into SRS1047208	TRUE	TRUE	TRUE						
7062	SRS1047206	SWB	EMPLACED_CNTR	4/29/2012 15:03	1/30/2012 16:37	mccabed	SR-W026-772F-HET	S5300	Remediation		8/19/2011	11/4/2011	8/19/2011	11/4/2011		I received attachments 8.1, 8.2, 8.3 and 8.4 after receiving a remediation procedure for the daughter drum.	- Rpkgd was SRS10472 Rpkgd into SRS1047207	TRUE	TRUE	TRUE						
7063	SRS1047207	SSG	EMPLACED_CNTR	11/4/2012 10:04	1/30/2012 16:37	mccabed	SR-W026-772F-HET	S5300	Remediation		11/4/2011	1/9/2012	11/4/2011	1/9/2012		I received attachments 8.1, 8.2, 8.3 and 8.4 after receiving a remediation procedure.	- Rpkgd was SRS10472 - Rpkgd was SRS1047206	TRUE	TRUE	TRUE			SRS1047206	SRS10472		Repack
7064	SRS1047208	SSG	EMPLACED_CNTR	11/4/2012 10:04	1/30/2012 16:45	mccabed	SR-W026-772F-HET	S5300	Remediation		11/8/2011	1/10/2012	11/8/2011	1/10/2012		I received attachments 8.1, 8.2, 8.3 and 8.4 after receiving the 221F remediation procedure for the daughter drum.	- Rpkgd was SRS10472 - Rpkgd was SRS1047205	TRUE	TRUE	TRUE			SRS1047205	SRS10472		Repack
7065	SRS10476	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/16/1998		10/9/1998										
7066	SRS10477	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/16/1998		10/9/1998										
7067	SRS10478	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		8/16/1996		9/8/1994										
7068	SRS10479	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/8/1998		10/1/1998										
7069	SRS10480	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/15/1998		10/8/1998										
7070	SRS10481	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		9/25/1998		9/17/1998										
7071	SRS10482	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		11/18/1998		5/13/1999										
7072	SRS10483	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/13/1998		10/6/1998										
7073	SRS10484	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/13/1979	4/17/2006		4/17/2006											
7074	SRS10485	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/13/1979	9/20/2006		9/20/2006											
7075	SRS10486	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/13/1979	11/13/1979		8/3/2004											
7076	SRS10487	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/13/1979	11/13/1979		8/12/2004											
7077	SRS10488	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1979		4/28/1998		10/21/1998										
7078	SRS10490	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1979		4/8/1998		10/1/1998										
7079	SRS10492	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1979		5/13/1998		11/5/1998										
7080	SRS10494	SSG	EMPLACED_CNTR	1/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/18/1979	6/28/2007		6/28/2007											
7081	SRS10495	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1979		3/3/1998		8/26/1998										
7082	SRS10496	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1979		5/12/1998		11/4/1998										
7083	SRS10497	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/18/1979	12/18/1979		12/16/2006											
7084	SRS10498	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1979		5/5/1998		10/28/1998										
7085	SRS10499	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/18/1979	12/18/1979		12/15/2006											
7086	SRS10801	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		11/1/1999		4/25/2000										
7087	SRS10802	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		7/19/1999		1/11/2000										
7088	SRS10803	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/3/1979	5/3/1979		1/27/2007											
7089	SRS10804	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/3/1979	5/3/1979		1/24/2007											
7090	SRS10805	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/3/1979	5/3/1979		1/27/2007											
7091	SRS10806	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		7/15/1999		1/7/2000										
7092	SRS10807	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		7/14/1999		1/6/2000										
7093	SRS10808	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		8/13/1999		2/3/2000										
7094	SRS10809	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/3/1979	1/18/2007	6/21/1999	1/18/2007	12/14/1999										
7095	SRS10810	SSG	EMPLACED_CNTR	1/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		7/14/1999		1/6/2000										
7096	SRS10811	SSG	EMPLACED_CNTR	1/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		11/3/1999		4/27/2000										
7097	SRS10812	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		11/1/1999		4/25/2000										
7098	SRS10813	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/3/1979		5/3/1979		10/26/1979										
7099	SRS10815	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/3/1979	2/13/2006	7/12/1999	2/13/2006	1/4/2000										
7100	SRS10816	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/3/1979	4/19/2006	8/16/1999	4/19/2006	2/2/2000										
7101	SRS10818	SSG	EMPLACED_CNTR	2/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/10/1979		10/27/1999		4/20/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7102	SR510819	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	5/10/1979	4/12/2007		4/12/2007											
7103	SR510820	SSG	EMPLACED_CNTR	1/3/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	5/10/1979	11/17/2004	7/19/1999	11/17/2004	1/7/2000										
7104	SR510821	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	5/10/1979		7/19/1999		1/11/2000										
7105	SR510822	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	5/10/1979	6/20/2007		6/20/2007											
7106	SR510823	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	5/10/1979		7/14/1999		1/6/2000										
7107	SR510824	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	5/10/1979		7/15/1999		1/7/2000										
7108	SR510825	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	5/10/1979		7/15/1999		1/7/2000										
7109	SR510826	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	5/10/1979		6/11/1999		12/14/1999										
7110	SR510827	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	7/3/1979	7/3/1979		1/26/2007											
7111	SR510828	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	7/3/1979	7/3/1979		1/26/2007											
7112	SR510829	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/3/1979	7/3/1979		2/8/2004											
7113	SR510831	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		7/14/1999		1/6/2000										
7114	SR510832	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/3/1979	7/3/1979		2/24/2004											
7115	SR510833	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/3/1979	7/3/1979		2/7/2004											
7116	SR510834	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	7/3/1979	7/3/1979		2/24/2004											
7117	SR510835	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/3/1979	7/17/2007		7/17/2007											
7118	SR510837	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		7/14/1999		1/6/2000										
7119	SR510838	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/3/1979	2/3/2006		2/3/2006											
7120	SR510840	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	7/3/1979	7/3/1979		2/8/2004											
7121	SR510842	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		8/23/1999		2/15/2000										
7122	SR510843	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/3/1979	7/3/1979		2/24/2004											
7123	SR510844	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		7/14/1999		1/6/2000										
7124	SR510845	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		8/23/1999		2/15/2000										
7125	SR510846	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/3/1979		8/23/1999		2/15/2000										
7126	SR510847	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/3/1979	2/21/2006	7/14/1999	2/3/2006	1/6/2000										
7127	SR510848	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/23/1999		2/15/2000										
7128	SR510849	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	6/27/2004	8/17/1999	6/27/2004	2/9/2000										
7129	SR510850	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	7/7/2008		7/7/2008											
7130	SR510851	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/23/1999		2/15/2000										
7131	SR510852	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/23/1999		2/15/2000										
7132	SR510853	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	7/11/2008		7/11/2008											
7133	SR510854	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/17/1999		2/9/2000										
7134	SR510855	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/16/2008		4/16/2008											
7135	SR510858	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	6/26/2006	7/13/1999	6/26/2006	1/5/2000										
7136	SR510859	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/4/1999		1/27/2000										
7137	SR510860	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/16/2008		4/16/2008											
7138	SR510861	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/26/2008		4/26/2008											
7139	SR510863	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/17/2008		4/17/2008											
7140	SR510864	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		8/24/1999		2/16/2000										
7141	SR510865	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	7/12/1979		10/18/1999		4/11/2000										
7142	SR510866	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	8/1/2006	8/23/1999	8/1/2006	2/15/2000										
7143	SR510867	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/15/2008		4/15/2008											
7144	SR510869	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/12/1979	4/16/2008		4/16/2008											
7145	SR510870101	SSG	EMPLACED_CNTR	4/27/2012 9:53	8/23/2011 18:36	mccabed	SR-WO26-772F-HET	S5300			8/5/2011		8/5/2011				- Rpkgd was SR510871	TRUE	TRUE	TRUE			SR510871		Repack
7146	SR510870102	SLB2	EMPLACED_CNTR	1/8/2013 14:39	9/26/2011 11:06	mccabed	SR-WO26-772F-HET	S5300			8/5/2011		8/5/2011	8/5/2011			- Rpkgd was SR510871	TRUE	TRUE	TRUE			SR510871		Repack
7147	SR510871103	SLB2	EMPLACED_CNTR	1/9/2013 10:11	11/17/2011 17:07	mccabed	SR-WO26-772F-HET	S5300			8/5/2011		8/5/2011	11/3/2011		Filter Reduction Date: 11/3/2011; Reduced Filter Model: NFT-013.	- Rpkgd was SR510871	TRUE	TRUE	TRUE			SR510871		Repack
7148	SR510871O6	SWB	EMPLACED_CNTR	3/16/2012 15:35	8/23/2011 18:38	mccabed	SR-WO26-772F-HET	S5300			8/5/2011		8/5/2011				- Rpkgd was SR510873	TRUE	TRUE	TRUE			SR510873		Repack
7149	SR510873O1	SWB	EMPLACED_CNTR	3/20/2012 15:11	1/12/2012 16:08	mccabed	SR-WO26-772F-HET	S5300	Vent		7/30/2011		7/30/2011	1/11/2012			- Rpkgd was SR510871	TRUE	TRUE	TRUE			SR510871		Repack
7150	SR510873O4	SWB	EMPLACED_CNTR	3/15/2012 15:30	1/12/2012 16:10	mccabed	SR-WO26-772F-HET	S5300	Vent		7/30/2011		7/30/2011	1/11/2012			- Rpkgd was SR510873	TRUE	TRUE	TRUE			SR510873		Repack
7151	SR510873O6	SWB	EMPLACED_CNTR	11/9/2012 9:00	8/23/2011 18:40	mccabed	SR-WO26-772F-HET	S5300			7/30/2011		7/30/2011				- Rpkgd was SR510873	TRUE	TRUE	TRUE			SR510873		Repack
7152	SR510873O8	SWB	EMPLACED_CNTR	3/16/2012 15:25	1/12/2012 16:13	mccabed	SR-WO26-772F-HET	S5300	Vent		7/30/2011		7/30/2011	1/11/2012											
7153	SR510875	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/16/1979	8/16/1979	8/16/1979	10/27/2003	2/8/1980										
7154	SR510877	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/16/1979		2/8/1980										
7155	SR510879	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	7/18/2007		7/18/2007											
7156	SR510880	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	6/27/2004	8/16/1979	6/27/2004	2/8/1980										
7157	SR510882	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	9/27/2007		9/27/2007											
7158	SR510883	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	11/20/2007		11/20/2007											
7159	SR510884	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/16/1979	8/16/1979		5/7/2007											
7160	SR510885	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	7/25/2007		7/25/2007											
7161	SR510887	SSG	EMPLACED_CNTR	2/9/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/16/1979		2/8/1980										
7162	SR510890	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/12/1999		2/4/2000										
7163	SR510891	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/19/1999		2/11/2000										
7164	SR510892	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/16/1979	8/16/1979	8/5/1998	11/11/2003	1/28/2000										
7165	SR510893	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/16/1979	8/16/1979		5/7/2007											
7166	SR510894	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/17/1999		2/9/2000										
7167	SR510895	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	10/4/2007		10/4/2007											
7168	SR510897	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/10/1999		2/2/2000										
7169	SR510898	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	2/6/2008		2/6/2008											
7170	SR510899	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	8/16/1979		8/23/1999		2/15/2000										
7171	SR510900	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/16/1979	7/25/2007		7/25/2007											
7172	SR511401	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/16/1980		10/8/1997		4/2/1998										
7173	SR511405	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	10/23/1980	3/17/2006	10/13/1997	3/17/2006	4/7/1998										
7174	SR511408	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	10/23/1980	10/23/1980		4/22/2004											
7175	SR511411	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/23/1980		10/13/1997		4/7/1998										
7176	SR511414	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	10/23/1980	3/16/2006	10/16/1997	3/16/2006	4/10/1998										
7177	SR511417	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	12/23/1980	7/17/2008		7/17/2008											
7178	SR511417A	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	3/27/2007		9/27/2007		3/21/2008										
7179	SR511419	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/30/1980		10/13/1997		4/7/1998										
7180	SR511420	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/30/1980		10/14/1997		4/8/1998										
7181	SR511421	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/30/1980		10/13/1997		4/7/1998										
7182	SR511423	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	10/30/1980		10/14/1997		4/8/1998										
7183	SR511424	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	10/30/1980	10/30/1980		2/18/2004											
7184	SR511425	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	11/25/1980	8/1/2007		8/1/2007											
7185	SR511425A	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/1/2007	1/31/2008	8/1/2007	1/31/2008	1/24/2008										
7186	SR511427	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	11/25/1980	11/25/1980		4/21/2004											
7187	SR511429	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	11/25/1980		10/13/1997		4/7/1998										
7188	SR511430	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-WO26-772F-HET	S5300		0	11/25/1980		10/9/1997		4/3/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7189	SR511437	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/25/1980		10/9/1997		4/3/1998										
7190	SR511433	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/25/1980		10/9/1997		4/3/1998										
7191	SR511435	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/25/1980	7/26/2007		7/26/2007											
7192	SR511437	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/25/1980	7/19/2006	10/13/1997	7/19/2006	4/7/1998										
7193	SR511439	SSG	EMPLACED_CNTR	12/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	Remediate	1	11/25/1980	11/25/1980		4/21/2004											
7194	SR511440	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	11/25/1980	11/25/1980		4/21/2004											
7195	SR511442	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/25/1980	11/25/1980		4/21/2004											
7196	SR511444	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Purge	0	12/5/1980	12/5/1980		4/21/2004											
7197	SR511447	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	12/5/1980	6/21/2006	10/6/1997	6/21/2006	3/31/1998										
7198	SR511448	SSG	EMPLACED_CNTR	10/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	Remediate	1	12/5/1980	5/10/2006	10/6/1997	5/10/2006	3/31/1998										
7199	SR511448A	SSG	EMPLACED_CNTR	10/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-MET	SS300	Remediate	1		5/10/2006		5/10/2006											
7200	SR511450	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-MET	SS300	Remediate	1	12/18/1980	3/14/2006	9/9/1997	3/14/2006	3/4/1998										
7201	SR511452	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/18/1980		10/7/1997		4/1/1998										
7202	SR511454	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	7/30/1981		8/18/1997		2/10/1998										
7203	SR511455	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/18/1980	12/18/1980		5/8/2004											
7204	SR511457	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Purge	0	10/30/1980	10/30/1980	1/19/2004	1/19/2004	7/13/2004										
7205	SR511458	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/6/1980	11/6/1980	1/23/2004	1/23/2004	7/17/2004										
7206	SR511460	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/6/1980	8/22/2007		8/22/2007											
7207	SR511462	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Vent	0	11/6/1980	11/6/1980	1/19/2004	1/19/2004	7/13/2004										
7208	SR511464	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/6/1980		10/14/1997		4/8/1998										
7209	SR511465	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/6/1980		10/13/1997		4/7/1998										
7210	SR511466	SSG	EMPLACED_CNTR	12/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/6/1980	3/15/2006	10/14/1997	3/15/2006	4/8/1998										
7211	SR511468	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/6/1980		10/13/1997		4/7/1998										
7212	SR511469	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/6/1980		10/9/1997		4/3/1998										
7213	SR511471	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/6/1980		10/15/1997		4/9/1998										
7214	SR511488	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/11/1980	11/11/1980	10/15/1997	12/12/2003	6/5/2004										
7215	SR511490	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	Remediate	1	11/11/1980	3/28/2006	10/15/1997	3/28/2006	4/9/1998										
7216	SR511492	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/11/1980	11/11/1980		12/9/2003											
7217	SR511495	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/11/1980	4/20/2006		4/20/2006											
7218	SR511497	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/11/1980	11/11/1980	12/8/2003	12/8/2003	6/1/2004										
7219	SR511500	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-MET	SS300		0	11/11/1980		10/14/1997		4/8/1998		- Rpkgd into SR511504O1 - Rpkgd into SR511504O2 - Rpkgd into SR511504O3 - Rpkgd into SR511504O4	TRUE	TRUE	TRUE					
7220	SR511504	LSB			9/7/2011 12:31	mccabed	SR-W026-772F-MET	SS300			5/6/1980	8/13/2011	5/6/1980	8/13/2011											
7221	SR511521	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/16/1982	3/30/2006	6/10/1998	3/30/2006	12/3/1998										
7222	SR511530	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/21/1998		1/13/1999										
7223	SR511534	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/21/1998		1/13/1999										
7224	SR511535	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	10/21/1982	10/21/1982		6/28/2007											
7225	SR511536	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/21/1998		1/13/1999										
7226	SR511537	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/21/1998		1/15/1999										
7227	SR511541	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	10/21/1982	10/21/1982		6/28/2007											
7228	SR511542	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/21/1998		1/13/1999										
7229	SR511547	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	10/21/1982	10/20/2006		10/20/2006											
7230	SR511547	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Purge	0	10/21/1982	10/21/1982		9/16/2004											
7231	SR511553	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	10/21/1982	10/21/1982		6/28/2007											
7232	SR511556	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	10/21/1982		7/23/1998		1/15/1999										
7233	SR511559	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/16/1982	11/16/1982		7/23/2004											
7234	SR511562	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Vent	0	11/4/1982	11/4/1982		9/16/2004											
7235	SR511565	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/4/1982	11/4/1982		9/16/2004											
7236	SR511570	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	11/4/1982	11/4/1982		7/22/2004											
7237	SR511576	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/16/1982		6/2/1998		11/25/1998										
7238	SR511577	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/16/1982		6/10/1998		12/3/1998										
7239	SR511578	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/16/1982		9/8/1998		3/3/1999										
7240	SR511580	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/16/1982	4/6/2006	6/4/1998	4/6/2006	11/27/1998										
7241	SR511585	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/16/1982		6/4/1998		11/27/1998										
7242	SR511587	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	11/16/1982	4/10/2006	6/4/1998	4/10/2006	11/27/1998										
7243	SR511589	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-MET	SS300	V&P Vent	0	11/16/1982	11/16/1982		7/23/2004											
7244	SR511592	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	12/2/1982	12/2/1982		7/22/2004											
7245	SR511595	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/2/1982		5/28/1998		11/20/1998										
7246	SR511596	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	11/16/1982		6/10/1998		12/3/1998										
7247	SR511601	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/8/1981		9/30/1998		3/25/1999										
7248	SR511603	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/8/1981		9/29/1998		3/24/1999										
7249	SR511607	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/30/1981	12/30/1981		6/20/2007											
7250	SR511610	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Vent	0	12/30/1981	12/30/1981		1/16/2008											
7251	SR511613	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	12/8/1981	1/16/2008		1/16/2008											
7252	SR511613A	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	1/16/2008		1/16/2008		7/10/2008										
7253	SR511614	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		9/29/1998		3/24/1999										
7254	SR511616	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		9/22/1998		3/17/1999										
7255	SR511618	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	12/30/1981	2/14/2008		2/14/2008											
7256	SR511618A	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/14/2008		2/14/2008		8/8/2008										
7257	SR511620	SSG	EMPLACED_CNTR	2/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		10/19/1998		4/13/1999										
7258	SR511623	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		9/28/1998		3/23/1999										
7259	SR511624	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		9/29/1998		3/24/1999										
7260	SR511626	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		10/9/1998		4/2/1999										
7261	SR511630	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/30/1981	12/30/1981		1/19/2008											
7262	SR511635	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		10/14/1998		4/8/1999										
7263	SR511636	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/30/1981	12/30/1981		1/23/2008											
7264	SR511639	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	12/30/1981		10/8/1998		4/2/1999										
7265	SR511641	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/30/1981	12/30/1981		1/12/2008											
7266	SR511644	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	V&P Purge	0	12/30/1981	12/30/1981		1/15/2008											
7267	SR511650	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		8/18/1998		2/10/1999										
7268	SR511653	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		8/12/1998		2/4/1999										
7269	SR511654	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		8/12/1998		2/4/1999										
7270	SR511656	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		11/19/1998		5/14/1999										
7271	SR511659	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		8/13/1998		2/5/1999										
7272	SR511660	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982		8/18/1998		2/10/1999										
7273	SR511664	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300		0	2/2/1982														
7274	SR511672	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	SS300	Remediate	1	2/2/1982	7/28/2008		7/28/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7275	SR511674	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1982		8/18/1998		2/10/1999										
7276	SR511676	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1982		8/18/1998		2/10/1999										
7277	SR511677	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1982		8/17/1998		2/5/1999										
7278	SR511679	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1982		8/13/1998		2/5/1999										
7279	SR511681	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1982	10/26/2007	11/19/1996	10/26/2007	5/14/1999										
7280	SR511686	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1982	2/8/2006	8/13/1998	2/8/2006	2/5/1999										
7281	SR511701	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/28/1981	6/21/2006	8/26/1997	6/21/2006	2/18/1998										
7282	SR511702	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/28/1981	4/28/1981		6/8/2007											
7283	SR511704	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/28/1981		8/27/1997		2/19/1998										
7284	SR511705	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/28/1981		8/20/1997		2/12/1998										
7285	SR511707	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/28/1981		8/28/1997		2/20/1998										
7286	SR511708	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/28/1981		9/2/1997		2/25/1998										
7287	SR511710	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/28/1981	1/30/2008		1/30/2008											
7288	SR511712	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/28/1981		8/27/1997		2/19/1998										
7289	SR511713	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/28/1981	2/23/2008		2/23/2008											
7290	SR511713A	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/23/2008		2/23/2008		8/17/2008										
7291	SR511715	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		9/3/1997		1/26/1998										
7292	SR511717	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	2/12/2006	8/25/1997	2/22/2006	2/17/1998										
7293	SR511719	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/26/1997		2/18/1998										
7294	SR511720	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	4/1/2008		4/1/2008											
7295	SR511720A	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/1/2008		4/1/2008		9/24/2008										
7296	SR511722	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/26/1997		2/18/1998										
7297	SR511723	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	2/18/2008		2/18/2008											
7298	SR511725	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/27/1997		2/19/1998										
7299	SR511726	SSG	EMPLACED_CNTR	9/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/26/1997		2/18/1998										
7300	SR511727	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	7/30/2008		7/30/2008											
7301	SR511729	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	7/6/2006	9/3/1997	7/6/2006	2/26/1998										
7302	SR511729A	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1		7/6/2006		7/6/2006											
7303	SR511731	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/27/1997		2/19/1998										
7304	SR511735	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/19/1981	3/13/2006	8/21/1997	3/13/2006	2/13/1998										
7305	SR511736	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/18/1997		2/10/1998										
7306	SR511738	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/26/1997		2/18/1998										
7307	SR511739	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	5/19/1981		8/27/1997		2/19/1998										
7308	SR511740	SSG	EMPLACED_CNTR	8/31/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/9/1981	2/19/2008		2/19/2008											
7309	SR511742	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		2/25/1998		8/20/1998										
7310	SR511743	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		2/19/1998		8/14/1998										
7311	SR511745	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		2/19/1998		8/14/1998										
7312	SR511747	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		6/9/1981		12/2/1981										
7313	SR511749	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1981	6/9/1981		11/6/2007											
7314	SR511752	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		4/6/1998		9/29/1998										
7315	SR511753	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		4/7/1998		9/30/1998										
7316	SR511754	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		3/18/1998		9/10/1998										
7317	SR511755	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		2/25/1998		8/20/1998										
7318	SR511756	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		3/25/1998		9/17/1998										
7319	SR511758	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	6/9/1981	6/9/1981	11/23/1998	9/19/2007	5/18/1999										
7320	SR511759	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/9/1981	6/3/2008		6/3/2008											
7321	SR511761	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		3/3/1998		8/26/1998										
7322	SR511762	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	6/9/1981	6/9/1981		7/27/2007											
7323	SR511764	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		3/2/1998		8/25/1998										
7324	SR511765	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/9/1981	7/11/2006	2/24/1998	7/11/2006	8/18/1998										
7325	SR511766	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	6/9/1981		5/12/1998		11/4/1998										
7326	SR511768	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	6/9/1981	6/9/1981		7/27/2007											
7327	SR511770	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		4/13/1998		10/6/1998										
7328	SR511772	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1981	9/10/2007		9/10/2007											
7329	SR511774	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1981	7/13/2007		7/13/2007											
7330	SR511777	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		3/18/1998		9/10/1998										
7331	SR511779	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		3/26/1998		9/18/1998										
7332	SR511780	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		5/19/1998		11/11/1998										
7333	SR511782	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		3/25/1998		9/17/1998										
7334	SR511784	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		3/19/1998		9/11/1998										
7335	SR511785	SSG	EMPLACED_CNTR	1/12/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1981	8/2/2007		8/2/2007											
7336	SR511787	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	7/30/1981	7/30/1981		9/8/2007											
7337	SR511789	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/30/1981		8/28/1997		2/20/1998										
7338	SR511791	SSG	EMPLACED_CNTR	6/27/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/30/1981	1/11/2008		1/11/2008											
7339	SR511791A	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	1/11/2008		1/11/2008		7/5/2008										
7340	SR511794	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/30/1981		3/4/1998		8/27/1998										
7341	SR511795	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/30/1981		8/18/1997		2/10/1998										
7342	SR511797	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/30/1981		8/18/1997		2/10/1998										
7343	SR511798	SSG	EMPLACED_CNTR	1/5/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/30/1981		8/27/1997		2/19/1998										
7344	SR511799	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/30/1981	11/17/2004	3/23/1998	11/17/2004	8/18/1998										
7345	SR511801	LSB			9/21/2011 14:41	mccabed	SR-W026-772F-HET	S5300			6/1/1981	9/13/2011	6/1/1981	9/13/2011			- Rpkgd into SR511801D1 - Rpkgd into SR511801D2 - Rpkgd into SR511801D3 - Rpkgd into SR511801D4 - Rpkgd into SR511801D5 - Rpkgd into SR511801D6	TRUE	TRUE	TRUE					
7346	SR511801D4	SWB	EMPLACED_CNTR	3/16/2012 15:25	1/11/2012 18:04	mccabed	SR-W026-772F-HET	S5300	Vent		9/13/2011		9/13/2011	1/10/2012			- Rpkgd was SR511801	TRUE	TRUE	TRUE			SR511801	Daughter	
7347	SR511801D5	SWB	EMPLACED_CNTR	4/4/2012 15:23	1/11/2012 13:05	mccabed	SR-W026-772F-HET	S5300	Vent		9/13/2011		9/13/2011	1/10/2012			- Rpkgd was SR511801	TRUE	TRUE	TRUE			SR511801	Daughter	
7348	SR511801D6	SWB	EMPLACED_CNTR	3/15/2012 15:30	1/11/2012 13:06	mccabed	SR-W026-772F-HET	S5300	Vent		9/13/2011		9/13/2011	1/10/2012			- Rpkgd was SR511801	TRUE	TRUE	TRUE			SR511801	Daughter	
7349	SR511810	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/16/1982		7/13/1998		1/5/1999										
7350	SR511811	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/16/1982		6/10/1998		12/3/1998										
7351	SR511813	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/16/1982	9/16/1982		9/19/2007											
7352	SR511815	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/16/1982		7/8/1998		12/31/1998										
7353	SR511817	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/16/1982	9/16/1982		8/17/2007											
7354	SR511819	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	10/11/1982		7/21/1998		1/13/1999										
7355	SR511821	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/16/1982	11/16/1982		7/23/2004											
7356	SR511825	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		5/14/1998		11/6/1998										
7357	SR511826	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/2/1981	10/9/2007	11/18/1998	10/9/2007	5/13/1999										
7358	SR511828	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		4/7/1998		9/30/1998										
7359	SR511830	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	7/2/1981		3/24/1998		9/18/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7360	SRS11832	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/2/1981		3/25/1998		9/17/1998										
7361	SRS11834	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/2/1981		3/25/1998		9/17/1998										
7362	SRS11835	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/4/1981		8/25/1997		2/17/1998										
7363	SRS11854	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/21/1981		8/18/1997		2/10/1998										
7364	SRS11855	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/21/1981	7/21/1981		8/15/2007											
7365	SRS11859	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		8/18/1997		2/10/1998										
7366	SRS11861	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/21/1981	1/17/2007	11/23/1998	1/17/2007	5/18/1999										
7367	SRS11863	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/30/1981	6/20/2006	8/18/1997	6/20/2006	2/10/1998										
7368	SRS11865	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		8/18/1997		2/10/1998										
7369	SRS11867	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/21/1981		2/23/1998		8/18/1998										
7370	SRS11876	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/21/1981		8/26/1997		2/18/1998										
7371	SRS11879	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/21/1981	7/21/1981		8/13/2007											
7372	SRS11882	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/21/1981	7/3/2006	3/4/1998	7/3/2006	8/27/1998										
7373	SRS11882A	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1		7/3/2006		7/3/2006											
7374	SRS11884	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/21/1981	7/21/1981		9/6/2007											
7375	SRS11886	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/21/1981		8/19/1997		2/11/1998										
7376	SRS11890	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/30/1981	11/26/2007		11/26/2007											
7377	SRS11893	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		3/3/1998		8/26/1998										
7378	SRS11897	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		8/28/1997		2/20/1998										
7379	SRS11898	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		3/30/1998		9/22/1998										
7380	SRS11900	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/30/1981		8/18/1997		2/10/1998										
7381	SRS11901	SSG	EMPLACED_CNTR	5/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/8/1980	5/8/1980	12/19/2003	12/19/2003	6/12/2004										
7382	SRS11903	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1980		11/4/1997		4/29/1998										
7383	SRS11904	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/22/1980	5/22/1980	1/13/2004	1/13/2004	7/7/2004										
7384	SRS11908	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/22/1980	5/22/1980		12/10/2003											
7385	SRS11911	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1980		11/5/1997		4/30/1998										
7386	SRS11913	SSG	EMPLACED_CNTR	2/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1980		10/28/1997		4/22/1998										
7387	SRS11914	SSG	EMPLACED_CNTR	3/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1980		11/3/1997		4/28/1998										
7388	SRS11915	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/22/1980	5/22/1980	1/14/2004	1/14/2004	7/8/2004										
7389	SRS11917	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1980	6/9/2006	3/24/1998	6/9/2006	9/16/1998										
7390	SRS11919	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1980		11/6/1997		5/1/1998										
7391	SRS11920	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1980	6/21/2006	11/3/1997	6/21/2006	4/28/1998										
7392	SRS11921	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/22/1980	5/22/1980	12/15/2003	12/15/2003	6/8/2004										
7393	SRS11923	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1980	2/13/2006	10/22/1997	2/13/2006	4/15/1998										
7394	SRS11924	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/22/1980	5/22/1980	12/5/2003	12/5/2003	5/29/2004										
7395	SRS11927	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/22/1980	4/4/2006	11/5/1997	4/4/2006	4/30/1998										
7396	SRS11929	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/22/1980		11/5/1997		4/30/1998										
7397	SRS11932	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/24/1980	8/2/2007		8/2/2007											
7398	SRS11935	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7399	SRS11936	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/24/1980	6/24/1980		4/4/2007											
7400	SRS11939	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/24/1980	11/30/2004	10/23/1997	11/30/2004	4/17/1998										
7401	SRS11941	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7402	SRS11943	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7403	SRS11944	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/5/1980	6/5/1980		4/13/2007											
7404	SRS11947	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		11/3/1997		4/28/1998										
7405	SRS11948	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		11/3/1997		4/28/1998										
7406	SRS11950	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1980	8/30/2007		8/30/2007											
7407	SRS11952	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1980	3/10/2008		3/10/2008											
7408	SRS11955	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1980	9/4/2007		9/4/2007											
7409	SRS11956	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		11/3/1997		4/28/1998										
7410	SRS11960	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		9/26/1997		3/23/1998										
7411	SRS11961	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		10/28/1997		4/22/1998										
7412	SRS11963	SSG	EMPLACED_CNTR	9/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1980		10/30/1997		4/24/1998										
7413	SRS11966	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1980	9/4/2007		9/4/2007											
7414	SRS11969	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7415	SRS11972	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		9/25/1997		3/20/1998										
7416	SRS11975	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/24/1980	6/14/1980		4/4/2007											
7417	SRS11978	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7418	SRS11979	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/24/1980	6/24/1980		4/5/2007											
7419	SRS11982	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/24/1980	9/11/2007		9/11/2007											
7420	SRS11985	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/24/1980		10/27/1997		4/21/1998										
7421	SRS11987	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/10/1980		4/6/1998		9/29/1998										
7422	SRS11988	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/10/1980		3/31/1998		9/23/1998										
7423	SRS11990	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/10/1980	7/10/1980	1/15/2004	1/15/2004	7/9/2004										
7424	SRS11993	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/10/1980	7/10/1980	1/16/2004	9/16/2004	7/10/2004										
7425	SRS11997	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/24/1980	7/24/1980	1/16/2004	1/16/2004	7/10/2004										
7426	SRS12402	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/18/1979		5/12/1998		11/4/1998										
7427	SRS12404	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/18/1979	3/7/2008		3/7/2008											
7428	SRS12405	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	12/18/1979		5/13/1998		11/5/1998										
7429	SRS12408	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		3/18/1998		9/10/1998										
7430	SRS12409	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		4/7/1998		9/30/1998										
7431	SRS12410	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/29/1980	6/29/2004	3/17/1998	6/29/2004	9/9/1998										
7432	SRS12411	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		4/15/1998		10/8/1998										
7433	SRS12412	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		4/15/1998		10/8/1998										
7434	SRS12414	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980	11/11/2003	11/12/2003	5/5/2004										
7435	SRS12415	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980	11/12/2003	11/12/2003	5/6/2004										
7436	SRS12416	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980		2/11/2004											
7437	SRS12417	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980	11/13/2003	11/13/2003	5/7/2004										
7438	SRS12418	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		8/13/1997		2/5/1998										
7439	SRS12419	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/29/1980	8/3/2007	9/26/1997	8/2/2007	3/21/1998										
7440	SRS12420	SSG	EMPLACED_CNTR	1/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980		5/11/2004											
7441	SRS12423	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/29/1980	1/29/1980		2/10/2004											
7442	SRS12424	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		9/26/1997		3/21/1998										
7443	SRS12425	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		3/24/1998		9/16/1998										
7444	SRS12427	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		8/18/1997		2/10/1998										
7445	SRS12428	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		2/23/1998		8/18/1998										
7446	SRS12429	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/29/1980	6/21/2006	3/23/1998	6/21/2006	9/15/1998										
7447	SRS12430	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/29/1980		9/26/1997		3/21/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7448	SR512431	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/23/1994		9/15/1998										
7449	SR512432	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980		3/18/2004											
7450	SR512433	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/29/1980	3/7/2007	9/26/1997	3/7/2007	3/21/1998										
7451	SR512433A	SSG	EMPLACED_CNTR	11/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/7/2007		3/7/2007												
7452	SR512434	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/29/1980	6/11/2006	9/26/1997	6/11/2006	3/21/1998										
7453	SR512434A	SSG	EMPLACED_CNTR	5/30/2012 8:58	3/8/2012 15:24	mccabed	SR-W026-772F-HET	S5300			6/11/2006	3/5/2012	6/11/2006	3/5/2012		Container was previously assigned SWD061392; 221-F-35006 Tru Drum Repacking		TRUE	FALSE	TRUE					
7454	SR512436	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/29/1980		3/24/1998		9/16/1998										
7455	SR512437	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/29/1980	1/29/1980	11/12/2003	11/12/2003	5/6/2004										
7456	SR512438	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/29/1980	1/29/1980	11/11/2003	11/11/2003	5/5/2004										
7457	SR512439	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/29/1980		3/23/1998		9/15/1998										
7458	SR512440	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/29/1980	1/29/1980		2/2/2004											
7459	SR512441	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/29/1980		3/23/1998		9/15/1998										
7460	SR512443	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980		2/12/2004											
7461	SR512447	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980		3/17/2004											
7462	SR512448	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980	2/1/2004	2/1/2004	7/26/2004										
7463	SR512449	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980		2/2/2004											
7464	SR512450	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/4/1998		8/27/1998										
7465	SR512451	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		5/20/1998		11/12/1998										
7466	SR512453	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/12/1980	10/26/2006	3/30/1998	10/26/2006	9/23/1998										
7467	SR512455	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		2/12/1980		8/6/1980										
7468	SR512457	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/3/1998		8/26/1998										
7469	SR512458	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/23/1998		9/15/1998										
7470	SR512460	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1980	2/12/1980		2/24/2007											
7471	SR512461	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1980	2/12/1980		2/26/2007											
7472	SR512462	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/12/1980	2/12/1980		2/9/2004											
7473	SR512463	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/12/1980	7/27/2007		7/27/2007											
7474	SR512464	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/12/1980		4/2/1998		9/25/1998										
7475	SR512467	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/23/1998		9/15/1998										
7476	SR512468	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980			3/14/2007											
7477	SR512469	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1980	2/12/1980		3/14/2007											
7478	SR512472	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/12/1980	7/31/2007		7/31/2007											
7479	SR512473	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		2/23/1998		8/18/1998										
7480	SR512474	SSG	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/18/1998		9/10/1998										
7481	SR512475	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/3/1998		8/26/1998										
7482	SR512478	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		4/6/1998		9/29/1998										
7483	SR512479	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1980	2/12/1980		2/2/2004											
7484	SR512480	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/12/1980	2/12/1980		5/11/2004											
7485	SR512482	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/13/1998		9/15/1998										
7486	SR512483	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		4/2/1998		9/25/1998										
7487	SR512484	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/12/1980		3/23/1998		9/15/1998										
7488	SR512486	SSG	EMPLACED_CNTR	3/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/28/1980	2/28/1980		9/14/2004											
7489	SR512489	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/28/1980	2/28/1980		8/13/2004											
7490	SR512490	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/28/1980	7/3/2006	2/23/1998	7/3/2006	8/18/1998										
7491	SR512492	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/28/1980		4/29/1998		10/22/1998										
7492	SR512494	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/28/1980		3/24/1998		9/16/1998										
7493	SR512496	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/28/1980		2/23/1998		8/18/1998										
7494	SR512498	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/28/1980	2/28/1980		8/17/2004											
7495	SR512500	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/28/1980	2/28/1980		6/30/2005											
7496	SR512601	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1980		10/7/1997		4/1/1998										
7497	SR512604	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1980		9/26/1997		3/21/1998										
7498	SR512605	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1980		10/7/1997		4/1/1998										
7499	SR512606	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1980		9/11/1997		3/6/1998										
7500	SR512607	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/18/1980	3/14/2006	9/26/1997	3/14/2006	3/21/1998										
7501	SR512609	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/18/1980		10/6/1997		3/31/1998										
7502	SR512613	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/18/1980	12/18/1980		5/8/2004											
7503	SR512617	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/23/1980	12/23/1980		5/9/2007											
7504	SR512620	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/23/1980	12/23/1980		6/4/2007											
7505	SR512622	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/23/1980	12/23/1980		5/10/2007											
7506	SR512624	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/23/1980	8/28/2007		8/28/2007											
7507	SR512626	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/8/1981		9/10/1997		3/5/1998										
7508	SR512628	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/8/1981	5/4/2006	9/10/1997	5/4/2006	3/5/1998										
7509	SR512630	SSG	EMPLACED_CNTR	8/30/2010 17:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/8/1981	1/8/1981		5/9/2004											
7510	SR512632	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/8/1981	1/8/1981	9/10/1997	12/15/2003	3/5/1998										
7511	SR512633	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/8/1981		9/11/1997		3/6/1998										
7512	SR512635	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/15/1981		9/10/1997		3/5/1998										
7513	SR512636	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/15/1981		9/9/1997		3/4/1998										
7514	SR512637	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/15/1981	4/9/2006		4/9/2006											
7515	SR512639	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/15/1981		9/8/1997		3/3/1998										
7516	SR512641	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/27/1981	1/27/1981		4/23/2004											
7517	SR512644	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/27/1981	1/27/1981		4/23/2004											
7518	SR512646	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981		9/9/1997		3/4/1998										
7519	SR512647	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981		9/4/1997		2/27/1998										
7520	SR512649	SSG	EMPLACED_CNTR	2/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981		9/4/1997		2/27/1998										
7521	SR512650	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981		9/4/1997		2/27/1998										
7522	SR512651	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981			12/13/2006											
7523	SR512653	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/27/1981	1/27/1981		4/23/2004											
7524	SR512655	SSG	EMPLACED_CNTR	2/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/27/1981		9/4/1997		2/27/1998										
7525	SR512656	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/5/1981		8/26/1997		2/12/1998										
7526	SR512658	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/5/1981	2/5/1981		12/14/2006											
7527	SR512662	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/5/1981	2/5/1981		4/23/2004											
7528	SR512664	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/5/1981	2/5/1981		4/23/2004											
7529	SR512666	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/5/1981	2/5/1981		4/23/2004											
7530	SR512668	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/5/1981	2/5/1981		3/23/2006											
7531	SR512670	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/5/1981	2/5/1981		3/23/2006											
7532	SR512673	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/5/1981		9/3/1997		2/26/1998										
7533	SR512675	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/5/1981		8/27/1997		2/19/1998										
7534	SR512676	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/5/1981	2/5/1981		12/15/2006											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7535	SRS12679	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/12/1981		8/21/1997		2/13/1998										
7536	SRS12680	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/12/1981		9/4/1997		2/27/1998										
7537	SRS12681	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/12/1981		8/28/1997		2/29/1998										
7538	SRS12682	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/12/1981	11/19/2006		11/19/2006											
7539	SRS12683	SSG	EMPLACED_CNTR	4/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/12/1981	2/12/1981		9/8/2006											
7540	SRS12684	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/12/1981	2/12/1941		9/4/2006											
7541	SRS12689	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/12/1981		9/3/1997		2/26/1998										
7541	SRS12691	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/12/1981	2/12/1981		11/28/2006											
7541	SRS12693	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W025-772F-HET	SS300		0	2/12/1981		9/4/1997		2/27/1998										
7544	SRS12695	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W018-772F-HET	SS300	Remediate	1	2/25/1981	7/18/2007		7/18/2007											
7544	SRS12695	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/25/1981		4/15/1998		10/8/1998										
7545	SRS12698	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/10/1980		4/6/1998		9/29/1998										
7546	SRS12701	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/7/1998		10/30/1998										
7547	SRS12704	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/7/1998		10/30/1998										
7548	SRS12707	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/24/1980	10/22/2007	4/27/1998	10/22/2007	10/29/1998										
7549	SRS12710	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/24/1980	7/24/1980		6/13/2006											
7550	SRS12711	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/4/1998		10/27/1998										
7551	SRS12715	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/7/1998		10/30/1998										
7552	SRS12717	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/7/1998		10/30/1998										
7553	SRS12720	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/5/1998		10/28/1998										
7554	SRS12722	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/1980		5/7/1998		10/30/1998										
7555	SRS12724	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 8:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/24/1980	7/24/1980		7/22/2008											
7556	SRS12727	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/24/1980	2/16/2006	4/27/1998	2/16/2006	10/29/1998										
7557	SRS12730	SSG	EMPLACED_CNTR	2/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/24/1980	7/24/1980		6/9/2006											
7558	SRS12734	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/7/1980	8/7/1980	1/17/2004	1/17/2004	7/11/2004										
7559	SRS12737	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/7/1980	8/7/1980	1/4/2004	1/4/2004	6/28/2004										
7560	SRS12740	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/7/1980		5/6/1998		10/29/1998										
7561	SRS12743	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/7/1980		4/28/1998		10/12/1998										
7562	SRS12745	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/7/1980		4/30/1998		10/23/1998										
7563	SRS12748	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/7/1980	8/7/1980	1/17/2004	1/17/2004	7/11/2004										
7564	SRS12752	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/7/1980		5/4/1998		10/27/1998										
7565	SRS12756	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/7/1980	8/7/1980	1/17/2004	1/17/2004	7/11/2004										
7566	SRS12759	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/14/1980	8/14/1980	1/16/2004	9/16/2004	7/19/2004										
7567	SRS12763	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/14/1980		5/11/1998		11/3/1998										
7568	SRS12765	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/14/1980		5/11/1998		11/3/1998										
7569	SRS12767	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/14/1980	5/19/2008	1/3/2004	5/19/2008	6/27/2004										
7570	SRS12770	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/21/1980	8/21/1980	1/29/2004	1/29/2004	7/14/2004										
7571	SRS12773	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1980		3/23/1998		9/15/1998										
7572	SRS12776	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1980		5/19/1998		11/11/1998										
7573	SRS12778	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1980		3/25/1998		9/17/1998										
7574	SRS12780	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/21/1980		5/5/1998		10/28/1998										
7575	SRS12783	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/21/1980	8/21/1980	1/23/2004	1/23/2004	7/17/2004										
7576	SRS12786	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/2/1980	7/24/2007		7/24/2007											
7577	SRS12786A	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/24/2007		7/24/2007		1/16/2008										
7578	SRS12790	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/2/1980	9/2/1980		8/1/2004											
7579	SRS12794	SSG	EMPLACED_CNTR	10/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/2/1980	9/2/1980		8/1/2004											
7580	SRS12797	SSG	EMPLACED_CNTR	10/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/2/1980	5/9/2006		5/9/2006											
7581	SRS12800	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/2/1980		4/15/1998		10/8/1998										
7582	SRS12801	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/25/1981	2/25/1981		5/28/2007											
7582	SRS12803	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/26/1981	11/22/2004	4/16/1998	11/22/2004	10/9/1998										
7583	SRS12805	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/26/1981		4/8/1998		10/1/1998										
7584	SRS12807	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/26/1981	2/26/1981		5/25/2007											
7585	SRS12809	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/26/1981		3/26/1998		9/18/1998										
7586	SRS12811	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/26/1981	9/19/2007		9/19/2007											
7587	SRS12813	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/26/1981		4/8/1998		10/1/1998										
7588	SRS12815	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/5/1981	3/5/1981		6/3/2007											
7589	SRS12817	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/5/1981		8/27/1997		2/19/1998										
7590	SRS12818	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/5/1981	7/17/2007		7/17/2007											
7591	SRS12820	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/5/1981	3/5/1981		5/25/2007											
7592	SRS12822	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/5/1981		9/19/1997		3/14/1998										
7594	SRS12823	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/5/1981	3/5/1981		5/26/2007											
7595	SRS12825	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/5/1981		8/26/1997		2/18/1998										
7596	SRS12826	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/12/1981	3/12/1981		5/5/2007											
7596	SRS12829	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/12/1981		4/16/1998		10/9/1998										
7597	SRS12830	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/12/1981		3/24/1998		9/18/1998										
7598	SRS12831	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/12/1981		4/28/1997		2/20/1998										
7599	SRS12833	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/12/1981		5/19/1998		11/11/1998										
7600	SRS12835	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/12/1981	6/24/2004	4/16/1998	6/28/2004	10/9/1998										
7601	SRS12837	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/19/1981	3/19/1981		7/24/2007											
7602	SRS12839	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/19/1981	2/15/2006	8/26/1997	2/15/2006	7/18/1998										
7603	SRS12842	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/19/1981	3/19/1981		7/27/2007											
7604	SRS12845	SSG	EMPLACED_CNTR	5/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/19/1981	3/19/1981		7/25/2007											
7605	SRS12848	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/26/1981	3/26/1981		5/4/2007											
7606	SRS12851	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/26/1981	3/26/1981		5/5/2007											
7606	SRS12854	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/26/1981	3/26/1981		5/4/2007											
7608	SRS12856	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/26/1981		5/5/1998		10/28/1998										
7609	SRS12857	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/31/1981	7/23/2007		7/23/2007											
7610	SRS12858	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/31/1981	3/31/1981		5/4/2007											
7611	SRS12859	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		4/23/1998		10/16/1998										
7612	SRS12860	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		4/27/1998		10/29/1998										
7613	SRS12861	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/31/1981	3/31/1981		5/5/2007											
7614	SRS12863	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		11/24/1998		5/19/1999										
7615	SRS12865	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/31/1981	1/29/2008		1/29/2008											
7616	SRS12868	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/31/1981	3/31/1981		5/5/2007											
7617	SRS12870	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		4/27/1998		10/29/1998										
7618	SRS12871	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		4/30/1998		10/23/1998										
7619	SRS12872	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/31/1981	8/2/2007		8/2/2007											
7620	SRS12872A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/2/2007		8/2/2007		1/25/2008										
7621	SRS12874	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/31/1981		4/13/1998		10/16/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7623	SR512877	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/16/1981	4/16/1981			7/3/2007										
7624	SR512879	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/16/1981		9/2/1997		2/25/1998										
7625	SR512880	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/16/1981	5/24/2006	9/15/1997	5/24/2006	3/10/1998										
7626	SR512880A	SSG	EMPLACED_CNTR	5/24/2012 10:34	3/19/2012 16:05	mcsabed	SR-W026-772F-HET	SS300	Remediation		5/24/2006	3/14/2012	5/24/2006	3/14/2012		Container was previously assigned SWD061373		TRUE	FALSE	TRUE						
7627	SR512881	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		9/2/1997		2/25/1998										
7628	SR512883	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		8/28/1997		3/20/1998										
7629	SR512885	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		8/21/1997		2/13/1998										
7630	SR512886	SSG	EMPLACED_CNTR	2/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		9/3/1997		2/26/1998										
7631	SR512888	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/28/1981	2/23/2006	9/2/1997	2/23/2006	2/25/1998										
7632	SR512890	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	SS300	V&P Purge	0	4/28/1981	4/28/1981		5/12/2007											
7633	SR512892	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/28/1981	4/28/1981		5/12/2007											
7634	SR512895	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		9/3/1997		2/26/1998										
7635	SR512896	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/28/1981	4/28/1981		6/5/2007											
7636	SR512898	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		9/3/1997		2/26/1998										
7637	SR512899	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1981		8/20/1997		2/13/1998										
7638	SR512902	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/2/1980		4/8/1998		10/1/1998										
7639	SR512905	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Lid Removal	0	9/2/1980	8/14/2003	5/14/1998	8/14/2003	11/6/1998										
7640	SR512907	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	SS300	V&P Purge	0	9/11/1980	9/11/1980		8/1/2004											
7641	SR512910	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/11/1980	6/27/2006	10/22/1997	6/27/2006	4/16/1998										
7642	SR512910A	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1		6/27/2006		6/27/2006											
7643	SR512913	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/11/1980	9/11/1980		8/1/2004											
7644	SR512916	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/11/1980		10/22/1997		4/16/1998										
7645	SR512919	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/11/1980	2/9/2006	10/22/1997	2/9/2006	4/16/1998										
7646	SR512921	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/11/1980	9/11/1980		8/1/2004											
7647	SR512924	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/30/1980		10/20/1997		4/14/1998										
7648	SR512926	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/30/1980		10/21/1997		4/15/1998										
7649	SR512928	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/30/1980	9/30/1980		5/13/2007											
7650	SR512931	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/30/1980	4/1/2008		4/1/2008											
7651	SR512934	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	SS300		0	9/30/1980		10/27/1997		4/21/1998										
7652	SR512936	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	SS300	Remediate	1	9/30/1980	2/14/2006	10/20/1997	2/14/2006	4/14/1998										
7653	SR512939	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/30/1980		10/27/1997		4/21/1998										
7654	SR512941	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/30/1980	9/30/1980		10/30/2007											
7655	SR512944	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-771F-HET	SS300	Remediate	1	9/30/1980	3/15/2006	10/20/1997	3/15/2006	4/14/1998										
7656	SR512947	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/30/1980		10/20/1997		4/14/1998										
7657	SR512949	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/30/1980		10/27/1997		4/21/1998										
7658	SR512952	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		8/27/2007											
7659	SR512954	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		8/21/2007											
7660	SR512957	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1980		10/16/1997		4/10/1998										
7661	SR512960	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		8/25/2007											
7662	SR512963	SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		4/20/2004											
7663	SR512966	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		4/23/2004											
7664	SR512969	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W024-772F-HET	SS300		0	10/9/1980		10/16/1997		4/10/1998										
7665	SR512972	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1980		10/20/1997		4/14/1998										
7666	SR512975	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/9/1980	10/9/1980		8/24/2007											
7667	SR512978	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/9/1980	5/29/2008		5/29/2008											
7668	SR512981	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1980		10/16/1997		4/10/1998										
7669	SR512982	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/16/1980		10/20/1997		4/14/1998										
7670	SR512985	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/16/1980	10/16/1980		4/22/2004											
7671	SR517988	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/16/1980	7/5/2006	10/16/1997	7/5/2006	4/10/1998										
7672	SR517990	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/16/1980		10/20/1997		4/14/1998										
7673	SR512993	SSG	EMPLACED_CNTR	5/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/16/1980	10/16/1980		8/13/2006											
7674	SR512996	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/16/1980		10/16/1997		4/10/1998										
7675	SR512998	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	10/16/1980	10/16/1980		4/22/2004											
7676	SR513101	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/19/1998		8/14/1998										
7677	SR513103	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/23/1998		8/18/1998										
7678	SR513105	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/19/1998		8/14/1998										
7679	SR513106	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/24/1998		8/19/1998										
7680	SR513108	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/23/1998		8/18/1998										
7681	SR513110	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		3/24/1998		9/16/1998										
7682	SR513111	SSG	EMPLACED_CNTR	3/24/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/28/1980	2/28/1980		8/17/2004											
7683	SR513112	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/28/1980	2/28/1990	2/19/1998	10/28/2003	8/14/1998										
7684	SR513114	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/28/1980	6/28/2004	2/23/1998	6/28/2004	8/18/1998										
7685	SR513116	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		4/13/1998		10/6/1998										
7686	SR513118	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/23/1998		8/18/1998										
7687	SR513120	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/28/1980		2/23/1998		8/18/1998										
7688	SR513122	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/28/1980	2/28/1980		9/14/2004											
7689	SR513125	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		5/13/1998		11/5/1998										
7690	SR513126	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		2/23/1998		8/18/1998										
7691	SR513128	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		5/13/1998		11/5/1998										
7692	SR513129	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/11/1980	7/22/2006	2/18/1998	7/22/2006	8/13/1998										
7693	SR513131	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/11/1980	3/15/2006	2/24/1998	3/15/2006	8/19/1998										
7694	SR513133	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/11/1980	3/11/1980		4/11/2007											
7695	SR513134	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		2/18/1998		8/13/1998										
7696	SR513135	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/11/1980	3/11/1980		4/11/2007											
7697	SR513137	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		11/6/1997		5/1/1998										
7698	SR513139	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/11/1980		4/7/1998		9/30/1998										
7699	SR513140	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/18/1980	3/18/1980		9/1/2007											
7700	SR513142	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/18/1980	11/26/2007		11/26/2007											
7701	SR513144	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/18/1980	3/18/1980		9/1/2007											
7702	SR513146	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/18/1980		4/28/1998		10/21/1998										
7703	SR513148	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/18/1980		5/4/1998		10/27/1998										
7704	SR513150	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/18/1980		5/5/1998		10/28/1998										
7705	SR513151	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/18/1980	3/18/1980		10/31/2007											
7706	SR513152	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/18/1980	3/18/1980		5/26/2008											
7707	SR513153	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/18/1980	3/18/1980		9/1/2007											
7708	SR513155	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/18/1980	3/18/1980		9/14/2007											
7709	SR513156	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/27/1980		4/29/1998		10/22/1998										
7710	SR513157	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/27/1980		5/11/1998		9/23/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7711	SRS13359	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/27/1980	3/27/1980		3/15/2007											
7712	SRS13362	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1980		4/27/1998		10/20/1998										
7713	SRS13364	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1980		5/6/1998		10/29/1998										
7714	SRS13366	SSG	EMPLACED_CNTR	11/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	3/27/1980	6/20/2007		6/20/2007											
7715	SRS13368	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	3/27/1980	10/1/2007		10/1/2007											
7716	SRS13369	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772J-HET	55300	V&P Vent	0	3/27/1980	3/27/1980		3/14/2007											
7717	SRS13372	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/10/1980		4/29/1998		10/13/1998										
7718	SRS13373	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/10/1980		4/22/1998		10/13/1998										
7719	SRS13374	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/10/1980		5/4/1998		10/27/1998										
7720	SRS13375	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/10/1980	6/29/2006	1/25/2004	6/29/2006	7/19/2004										
7721	SRS13375A	SSG	EMPLACED_CNTR	11/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1		6/29/2006		6/29/2006											
7722	SRS13377	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/10/1980		4/15/1998		10/8/1998										
7723	SRS13379	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/10/1980	4/10/1980	1/26/2004	1/26/2004	7/20/2004										
7724	SRS13381	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/10/1980	6/29/2006	4/22/1998	6/29/2006	10/15/1998										
7725	SRS13383	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/10/1980	4/10/1980		3/5/2007											
7726	SRS13387	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/1/1980	6/15/2006	3/24/1998	6/15/2006	9/16/1998										
7727	SRS13389	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	5/1/1980	5/1/1980	1/28/2004	1/28/2004	7/22/2004										
7728	SRS13391	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/1/1980		5/20/1998		11/12/1998										
7729	SRS13393	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/1/1980		3/24/1998		9/16/1998										
7730	SRS13394	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	5/1/1980	5/1/1980	12/16/2003	12/16/2003	6/9/2004										
7731	SRS13395	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/1/1980	3/8/2007	3/24/1998	3/8/2007	9/16/1998										
7732	SRS13395A	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	1/8/2007		3/8/2007												
7733	SRS13396	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/8/1980	12/8/2006	1/14/2004	12/8/2006	7/8/2004										
7734	SRS13398	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/8/1980		11/3/1997		4/28/1998										
7735	SRS13399	SSG	EMPLACED_CNTR	10/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/8/1980	5/8/1980	3/25/1998	11/11/2003	9/17/1998										
7736	SRS14401	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/30/1981		8/28/1997		2/20/1998										
7737	SRS14402	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/30/1981	7/30/1981		9/11/2007											
7738	SRS14405	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	8/4/1981	8/4/1981		8/17/2007											
7739	SRS14408	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/30/1981	7/30/1981		9/6/2007											
7740	SRS14411	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/27/1997		3/19/1998										
7741	SRS14419	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/25/1997		2/17/1998										
7742	SRS14420	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/4/1981	2/1/2008		2/1/2008											
7743	SRS14421	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	8/4/1981	8/4/1981		8/25/2007											
7744	SRS14424	SSG	EMPLACED_CNTR	5/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/4/1981	8/4/1981		8/29/2007											
7745	SRS14426	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/28/1997		7/20/1998										
7746	SRS14427	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/4/1981	8/4/1981		8/16/2007											
7747	SRS14429	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/25/1997		2/17/1998										
7748	SRS14432	SSG	EMPLACED_CNTR	2/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/25/1997		2/17/1998										
7749	SRS14434	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/25/1997		2/17/1998										
7750	SRS14436	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/4/1981		8/28/1997		2/20/1998										
7751	SRS14438	SSG	EMPLACED_CNTR	3/31/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/4/1981	4/21/2008		4/21/2008											
7752	SRS14441	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/4/1981	11/27/2007		11/27/2007											
7753	SRS14443	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	9/3/1981	8/29/2007		8/29/2007											
7754	SRS14445	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/1/1981	7/10/2006	6/13/1998	7/10/2006	2/5/1999										
7755	SRS14447	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	10/1/1981	10/1/1981		8/2/2005											
7756	SRS14448	SSG	EMPLACED_CNTR	4/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/1/1981	10/1/1981		7/4/2007											
7757	SRS14451	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	10/1/1981	10/1/1981		7/11/2007											
7758	SRS14453	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/13/1981		8/13/1998		2/5/1999										
7759	SRS14455	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/13/1981	6/15/2006	9/2/1998	6/15/2006	2/15/1999										
7760	SRS14457	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/13/1981		8/27/1998		2/19/1999										
7761	SRS14458	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/13/1981	8/13/1981		7/24/2007											
7762	SRS14461	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/13/1981		8/27/1998		2/19/1999										
7763	SRS14463	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/13/1981		8/27/1998		2/19/1999										
7764	SRS14465	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/25/1981	9/27/2007		9/27/2007											
7765	SRS14465A	SSG	EMPLACED_CNTR	8/27/2011 14:35	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/27/2007		9/27/2007		3/21/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
7766	SRS14466	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		8/27/1998		2/19/1999										
7767	SRS14469	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		4/20/1998		10/13/1998										
7768	SRS14472	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		8/13/1998		2/19/1999										
7769	SRS14474	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		8/13/1998		2/5/1999										
7770	SRS14476	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		8/27/1998		2/19/1999										
7771	SRS14478	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/25/1981		8/31/1998		2/23/1999										
7772	SRS14480	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772H-HET	55300	V&P Purge	0	8/25/1981	8/25/1981	1/30/1995	7/4/2007	7/5/1995										
7773	SRS14483	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		8/31/1998		2/23/1999										
7774	SRS14484	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	9/3/1981	8/2/2007		8/2/2007											
7775	SRS14486	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		9/17/1998		3/12/1999										
7776	SRS14487	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		9/17/1998		3/12/1999										
7777	SRS14488	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		9/17/1998		3/12/1999										
7778	SRS14490	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		8/31/1998		2/23/1999										
7779	SRS14492	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/3/1981		8/31/1998		2/23/1999										
7780	SRS14494	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	9/3/1981	9/3/1981		4/6/2007											
7781	SRS14497	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/1/1981	2/19/2008		2/19/2008											
7782	SRS14497A	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/19/2008		2/19/2008		8/13/2008										
7783	SRS14499	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/1/1981		8/10/1998		2/2/1999										
7784	SRS14500	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/1/1981		8/19/1998		2/11/1999										
7785	SRS15311	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/20/1981	9/20/2007		9/20/2007											
7786	SRS15313	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/5/1981	11/5/1981		5/11/2007											
7787	SRS15318	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/5/1981	3/28/2006	10/1/1998	3/28/2006	3/26/1999										
7788	SRS15317	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/5/1981	7/20/2006	10/7/1998	7/20/2006	4/1/1999										
7789	SRS15318	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	11/5/1981	11/5/1981		8/2/2007											
7790	SRS15323	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/5/1981	11/27/2007		11/27/2007											
7791	SRS15323A	SSG	EMPLACED_CNTR	3/24/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/27/2007		11/27/2007		5/21/2008										
7792	SRS15326	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/5/1981		10/8/1998		3/11/1999										
7793	SRS15328	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/5/1981	11/1/2007		11/1/2007											
7794	SRS15330	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/5/1981		9/28/1998		3/23/1999										
7795	SRS15332	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/5/1981		9/23/1998		3/16/1999										
7796	SRS15334	SSG	EMPLACED_CNTR	1/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/5/1981		10/5/1998		3/30/1999										
7797	SRS15337	SSG	EMPLACED_CNTR	11/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	11/24/1981	11/24/1981		1/13/2008											
7798	SRS15340	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/24/1981		9/17/1998		3/12/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7799	SR515341	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	11/24/1981	11/24/1981		1/11/2008											
7800	SR515346	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	11/24/1981	11/24/1981		1/10/2008											
7801	SR515350	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	11/24/1981		9/18/1998		1/11/1999										
7802	SR515352	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	11/24/1981		8/12/1998		2/4/1999										
7803	SR515354	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	11/24/1981		8/13/1998		2/5/1999										
7804	SR515356	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	11/24/1981	11/24/1981		1/4/2008											
7805	SR515358	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	11/24/1981		8/18/1998		2/10/1999										
7806	SR515360	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/8/1981		9/28/1998		3/23/1999										
7807	SR515362	SSG	EMPLACED_CNTR	8/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/8/1981		9/30/1998		3/25/1999										
7808	SR515364	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/8/1981		9/29/1998		3/24/1999										
7809	SR515366	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981		5/8/2007											
7810	SR515370	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981	11/16/1999	6/1/2004	5/30/2000										
7811	SR515371	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	10/20/1981		7/31/2007	7/31/2007											
7812	SR515374	SSG	EMPLACED_CNTR	8/31/2010 22:14	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	10/20/1981	11/16/2004	11/15/1999	11/16/2004	5/9/2000										
7813	SR515375	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	10/20/1981		10/5/1998		3/30/1999										
7814	SR515376	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	12/8/1981	12/8/1981		6/28/2007											
7815	SR515378	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	12/8/1981	12/8/1981		6/29/2007											
7816	SR515380	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	12/8/1981	6/30/2006	9/30/1998	6/30/2006	3/25/1999										
7817	SR515382	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	12/8/1981	12/8/1981		6/22/2007											
7818	SR515384	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/8/1981		9/29/1998		3/24/1999										
7819	SR515386	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/8/1981		9/29/1998		3/24/1999										
7820	SR515401	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/2/1982	2/2/1982		7/24/2007											
7821	SR515413	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/11/1982		9/24/1998		3/19/1999										
7822	SR515415	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/2/1982	2/2/1982		7/28/2007											
7823	SR515419	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/11/1982	2/11/1982		8/23/2007											
7824	SR515421	SSG	EMPLACED_CNTR	12/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/11/1982	2/11/1982		8/23/2007											
7825	SR515424	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/11/1982	2/11/1982		8/16/2007											
7826	SR515427	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	3/11/1982	3/11/1982		11/9/2007											
7827	SR515430	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7828	SR515432	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/25/1998		2/17/1999										
7829	SR515435	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7830	SR515440	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/25/1982		8/5/1998		1/28/1999										
7831	SR515441	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/25/1982	2/25/1982		8/24/2007											
7832	SR515444	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/25/1982		8/13/1998		2/5/1999										
7833	SR515445	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/25/1982		8/13/1998		2/5/1999										
7834	SR515446	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/25/1982		8/6/1998		1/29/1999										
7835	SR515447	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/28/1982		10/19/1998		4/13/1999										
7836	SR515449	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/23/1982	2/23/1982		8/16/2007											
7837	SR515451	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	2/23/1982	2/23/1982		8/22/2007											
7838	SR515454	SSG	EMPLACED_CNTR	4/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/23/1982	2/23/1982		8/16/2007											
7839	SR515456	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	2/23/1982	2/29/2008		2/24/2008											
7840	SR515459	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	2/23/1982		10/19/1998		4/13/1999										
7841	SR515461	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/23/1982	2/23/1982		8/13/2007											
7842	SR515463	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/23/1982	2/23/1982		8/8/2007											
7843	SR515467	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/25/1982	2/25/1982		8/13/2007											
7844	SR515470	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	2/25/1982	2/25/1982		8/22/2007											
7845	SR515476	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7846	SR515477	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7847	SR515479	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/24/1998		2/16/1999										
7848	SR515482	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/24/1998		2/16/1999										
7849	SR515483	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/24/1998		2/16/1999										
7850	SR515485	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/6/1998		1/29/1999										
7851	SR515487	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7852	SR515489	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7853	SR515491	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/24/1998		2/16/1999										
7854	SR515493	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	3/11/1982	3/11/1982		11/9/2007											
7855	SR515495	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	3/11/1982		8/20/1998		2/12/1999										
7856	SR516163	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/2/1982	2/2/1982		8/4/2007											
7857	SR516165	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	12/30/1981		12/1/1998		5/26/1999										
7858	SR516177	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	2/2/1982	2/2/1982		8/4/2007											
7859	SR516179	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/12/1982	8/12/1982		3/15/2005											
7860	SR516290S	SWB	EMPLACED_CNTR	3/20/2012 15:11	7/9/2011 17:00	mccabed	SR-WO26-772F-HET	S5300			6/28/2011		6/28/2011				- Rphgal was SR516298	TRUE	TRUE	TRUE			SR516298		Daughter
7860	SR516290S	SWB	EMPLACED_CNTR	3/20/2012 15:11	7/9/2011 17:00	mccabed	SR-WO26-772F-HET	S5300			6/28/2011		6/28/2011				- Rphgal was SR516298	TRUE	TRUE	TRUE			SR516298		Daughter
7861	SR516290S	SWB	EMPLACED_CNTR	7/21/2012 12:10	7/9/2011 17:02	mccabed	SR-WO26-772F-HET	S5300			6/28/2011		6/28/2011				Rphgal was SR516298 - Rphgal was SR516298Z	TRUE	TRUE	TRUE			SR516298Z	SR516298	Daughter
7862	SR516298H	SSG	EMPLACED_CNTR	10/9/2012 15:15	5/31/2012 13:23	mccabed	SR-WO26-772F-HET	S5300			5/19/2012	5/23/2012	5/19/2012	5/23/2012		221-F-55006 Tru Drum Repackaging									
7863	SR516503	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/6/1998		1/29/1999										
7864	SR516505	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/25/1998		2/17/1999										
7865	SR516508	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/26/1998		2/18/1999										
7866	SR516509	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		9/10/1998		3/5/1999										
7867	SR516511	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/24/1998		2/16/1999										
7868	SR516514	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	4/1/1982	4/1/1982		6/26/2004											
7869	SR516518	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	4/1/1982	4/1/1982		12/4/2006											
7870	SR516522	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	4/1/1982	4/1/1982		6/28/2004											
7871	SR516528	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	4/1/1982	4/1/1982		6/30/2004											
7872	SR516533	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	4/1/1982	4/1/1982		11/16/2006											
7873	SR516537	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/25/1998		2/17/1999										
7874	SR516539	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	4/1/1982	11/20/2004		11/20/2004											
7875	SR516542	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	4/1/1982	4/1/1982		7/4/2005											
7876	SR516543	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/1/1982		8/6/1998		1/29/1999										
7877	SR516550	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/20/1982		9/13/1998		3/18/1999										
7878	SR516551	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/20/1982		9/13/1998		3/18/1999										
7879	SR516552	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/20/1982		9/10/1998		3/5/1999										
7880	SR516557	SSG	EMPLACED_CNTR	3/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	4/20/1982	4/20/1982		7/3/2004											
7881	SR516559	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	4/20/1982	11/30/2004	9/24/1998	11/30/2004	3/19/1999										
7882	SR516561	SSG	EMPLACED_CNTR	5/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/20/1982		9/28/1998		3/23/1999										
7883	SR516563	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	4/20/1982	4/20/1982		7/3/2004											
7884	SR516566	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	4/20/1982	4/20/1982		7/13/2004											
7885	SR516568	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	4/20/1982		9/24/1998		3/19/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7886	SR516571	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/20/1982	7/12/2006	9/12/1998	7/12/2006	3/17/1999										
7887	SR516573	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/4/1982	5/4/1982		9/4/2004				TRUE	TRUE	TRUE					
7888	SR516575	SSG	EMPLACED_CNTR	8/27/2011 14:35	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/4/1982	7/30/2008		7/30/2008		WWIS_Status:APPROVED_CERT									
7889	SR516578	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/4/1982	5/4/1982		9/4/2004											
7890	SR516581	SSG	EMPLACED_CNTR	4/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/4/1982			8/16/2004											
7891	SR516582	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/4/1982		9/21/1998		3/16/1999										
7892	SR516583	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/4/1982		9/22/1998		3/17/1999										
7893	SR516586	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/4/1982		9/22/1998		3/17/1999										
7894	SR516588	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/4/1982	5/4/1982		8/16/2004											
7895	SR516594	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/4/1982	5/4/1982		10/14/2004											
7896	SR516595	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/4/1982		8/24/1998		2/16/1999										
7897	SR516600	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/1/1982			8/17/2007											
7898	SR516883	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/1/1982	9/2/1982		11/9/2007											
7899	SR516902	SSG	EMPLACED_CNTR	2/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/1/1981	11/9/2007		8/1/2007											
7900	SR516908	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/20/1981	8/1/2007		8/1/2007											
7901	SR516910	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7902	SR516912	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7903	SR516914	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981		5/11/2007											
7904	SR516917	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7905	SR516918	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981		6/9/2007											
7906	SR516921	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/5/1998		3/30/1999										
7907	SR516922	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981		5/9/2007											
7908	SR516924	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/20/1981	10/20/1981		5/9/2007											
7909	SR516925	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/20/1981	10/26/2007		10/26/2007											
7910	SR516934	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7911	SR516937	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/5/1981	11/5/1981	11/16/1999	6/1/2004	5/10/2000										
7912	SR516938	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7913	SR516942	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/1/1998		3/26/1999										
7914	SR516944	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/8/1998		4/2/1999										
7915	SR516945	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7916	SR516949	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/5/1998		3/30/1999										
7917	SR516950	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7918	SR516952	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/1/1998		3/26/1999										
7919	SR516953	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7920	SR516960	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/5/1981	11/5/1981		5/22/2007											
7921	SR516961	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/7/1998		4/1/1999										
7922	SR516965	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/5/1981	9/27/2007		9/27/2007											
7923	SR516966	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/5/1998		3/30/1999										
7924	SR516968	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/5/1981	11/5/1981		5/12/2007											
7925	SR516971	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/20/1981	9/18/2007		9/18/2007											
7926	SR516973	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7927	SR516975	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/20/1981	6/16/2004	10/7/1998	6/16/2004	4/1/1999										
7928	SR516976	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/20/1981	10/20/1981	11/16/1999	6/1/2004	5/10/2000										
7929	SR516978	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/20/1981		10/6/1998		3/31/1999										
7930	SR516980	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/1/1998		3/26/1999										
7931	SR516982	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/15/1998		4/9/1999										
7932	SR516983	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/7/1998		4/1/1999										
7933	SR516986	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/7/1998		4/1/1999										
7934	SR516988	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/5/1981	11/5/1981		6/5/2007											
7935	SR516989	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		9/24/1998		3/19/1999										
7936	SR516991	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/5/1998		3/30/1999										
7937	SR516993	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/7/1998		4/1/1999										
7938	SR516995	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/13/1998		4/7/1999										
7939	SR516996	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/5/1981		10/5/1998		3/30/1999										
7940	SR516998	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7941	SR517903	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/27/1982	6/30/2006	9/2/1998	6/30/2006	2/25/1999										
7942	SR517906	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982		7/30/2004											
7943	SR517908	SSG	EMPLACED_CNTR	4/11/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/22/1998		3/17/1999										
7944	SR517909	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/1/1998		2/24/1999										
7945	SR517910	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/1/1998		2/24/1999										
7946	SR517914	SSG	EMPLACED_CNTR	4/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982	3/3/1993	7/18/2005	8/26/1993										
7947	SR517917	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7948	SR517919	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/27/1982	3/14/2006	9/10/1998	3/14/2006	3/5/1999										
7949	SR517921	SSG	EMPLACED_CNTR	3/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7950	SR517923	SSG	EMPLACED_CNTR	10/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/22/1998		3/17/1999										
7951	SR517924	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7952	SR517926	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/1/1998		2/24/1999										
7953	SR517928	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/16/1998		3/11/1999										
7954	SR517930	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/22/1998		3/17/1999										
7955	SR517934	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		8/24/1998		2/16/1999										
7956	SR517936	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/23/1998		3/18/1999										
7957	SR517937	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/24/1998		3/19/1999										
7958	SR517939	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982		7/21/2004											
7959	SR517942	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982		9/23/1998		3/18/1999										
7960	SR517945	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982					In Culvert No Vent		TRUE	TRUE	TRUE					
7961	SR517947	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/27/1982															
7962	SR517950	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	6/10/1982	6/10/1982		7/3/2004											
7963	SR517951	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/31/1982	8/31/1982		4/28/2005											
7964	SR517952	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	6/12/1982		9/26/1998		2/18/1999										
7965	SR517954	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/12/1982	3/9/2006	9/6/1998	3/9/2006	1/29/1999										
7966	SR517957	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/14/2004											
7967	SR517963	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		7/23/1998		1/13/1999										
7968	SR517965	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		8/13/1998		2/4/1999										
7969	SR517967	SSG	EMPLACED_CNTR	3/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		7/28/1998		1/20/1999										
7970	SR517969	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		7/19/2004											
7971	SR517973	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		7/23/1998		1/15/1999										
7972	SR517975	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		7/22/1998		1/14/1999										
7973	SR517977	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/13/1982		7/21/1998		1/14/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7974	SR517979	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/29/1998		1/21/1999										
7975	SR517981	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		8/4/1998		1/27/1999										
7976	SR517984	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/27/1998		1/19/1999										
7977	SR517986	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/29/1998		1/21/1999										
7978	SR517988	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/24/1982	8/24/1982		11/26/2006											
7979	SR517989	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/5/1982	8/5/1982		11/5/2005											
7980	SR517990	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/12/1982	8/12/1982		9/19/2005											
7981	SR518000	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/12/1982		8/4/1998		1/27/1999										
7982	SR518001	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/4/1982	5/4/1982		8/16/2004											
7983	SR518006	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	5/4/1982	5/11/2006	9/21/1998	5/11/2006	3/16/1999										
7984	SR518008	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/4/1982	5/4/1982		9/8/2004											
7985	SR518012	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/4/1982		9/22/1998		3/17/1999										
7986	SR518017	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	6/10/1982	6/10/1982		7/2/2004											
7987	SR518020	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982		7/22/2004											
7988	SR518025	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7989	SR518031	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7990	SR518033	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7991	SR518035	SSG	EMPLACED_CNTR	11/15/2012 16:02	8/12/2013 21:05	mccabed	SR-WO26-772F-HET	S5300			5/27/1982			4/6/2008		Added per LWatson email 080912.		TRUE	FALSE	TRUE	NA				
7992	SR518037	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982	9/2/1998	9/21/2005	2/25/1999										
7993	SR518038	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982		7/30/2004											
7994	SR518040	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/2/1998		2/25/1999										
7995	SR518049	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/16/1998		3/11/1999										
7996	SR518050	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		9/17/1998		3/12/1999										
7997	SR518091	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	5/27/1982		11/15/1999		5/9/2000										
7998	SR518095	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	5/27/1982	6/7/2006	9/17/1998	6/7/2006	3/12/1999										
7999	SR518098	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	5/27/1982	5/27/1982		7/22/2004											
8000	SR518803	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/10/1982		8/27/1998		2/19/1999										
8001	SR518805	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	6/10/1982	6/10/1982		7/26/2004											
8002	SR518809	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/10/1982		8/27/1998		2/19/1999										
8003	SR518813	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/10/1982		8/27/1998		2/19/1999										
8004	SR518815	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	6/10/1982	6/10/1982		7/2/2004											
8005	SR518816	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		7/26/2005											
8006	SR518817	SSG	EMPLACED_CNTR	2/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/10/1982		8/27/1998		2/19/1999										
8007	SR518823	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	6/10/1982	2/10/2006		2/10/2006											
8008	SR518831	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/24/1998		2/16/1999										
8009	SR518833	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/25/1998		2/17/1999										
8010	SR518835	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/6/1998		1/29/1999										
8011	SR518837	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/6/1998		1/29/1999										
8012	SR518839	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/26/1998		2/18/1999										
8013	SR518841	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		7/21/1998		1/13/1999										
8014	SR518843	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		7/28/1998		1/20/1999										
8015	SR518845	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	6/22/1982		8/4/1998		1/27/1999										
8016	SR518848	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/5/1982	5/20/2006		5/20/2006											
8017	SR518851	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/5/1982		8/4/1998		1/27/1999										
8018	SR518854	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/5/1982		8/4/1998		1/27/1999										
8019	SR518857	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/12/1982		8/4/1998		1/27/1999										
8020	SR518859	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/12/1982		7/22/1998		1/14/1999										
8021	SR518865	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		8/10/1998		2/2/1999										
8022	SR518874	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		7/27/2005											
8023	SR518879	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/16/1998		1/8/1999										
8024	SR518881	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/27/1998		1/19/1999										
8025	SR518883	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		6/22/2005											
8026	SR518889	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/20/1998		1/12/1999										
8027	SR518891	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		6/22/2005											
8028	SR518893	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/20/1998		1/12/1999										
8029	SR518896	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	7/13/1982		7/20/1998		1/12/1999										
8030	SR518898	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	7/13/1982	4/20/2006	7/28/1998	4/20/2006	1/20/1999										
8031	SR519101	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		7/30/1998		1/22/1999										
8032	SR519102	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		8/6/1998		1/29/1999										
8033	SR519103	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		7/29/1998		1/21/1999										
8034	SR519105	SSG	EMPLACED_CNTR	3/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/16/2004											
8035	SR519106	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/24/1982	8/24/1982		8/12/2006											
8036	SR519108	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		7/27/1998		1/19/1999										
8037	SR519118	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/12/1982	9/12/2007		9/12/2007											
8038	SR519121	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/12/1982	8/12/1982		5/29/2007											
8039	SR519125	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/12/1982		7/28/1998		1/20/1999										
8040	SR519133	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/24/1982	6/27/2004	7/29/1998	6/27/2004	1/21/1999										
8041	SR519135	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/15/2004											
8042	SR519138	SSG	EMPLACED_CNTR	8/23/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		7/27/1998		1/19/1999										
8043	SR519139	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/16/2004											
8044	SR519142	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/14/2004											
8045	SR519144	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/24/1982		7/23/1998		1/15/1999										
8046	SR519150	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	8/31/1982	11/14/2006		11/14/2006											
8047	SR519152	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/31/1982		7/30/1998		1/12/1999										
8048	SR519154	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	8/31/1982	8/31/1982		8/13/2007											
8049	SR519156	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	9/9/1982	1/30/2007		1/30/2007											
8050	SR519160	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/2/1982		6/12/1998		12/15/1998										
8051	SR519161	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	8/31/1982		7/20/1998		1/12/1999										
8052	SR519163	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/2/1982		6/17/1998		12/10/1998										
8053	SR519166	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/2/1982		8/18/1998		12/11/1998										
8054	SR519168	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/2/1982		6/17/1998		12/10/1998										
8055	SR519172	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/2/1982		6/17/1998		12/10/1998										
8056	SR519175	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	9/9/1982	9/9/1982		4/29/2005											
8057	SR519178	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	9/9/1982	9/9/1982	6/22/1998	3/1/2006	12/15/1998										
8058	SR519180	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	Remediate	1	9/9/1982	10/31/2006	6/15/1998	10/31/2006	12/8/1998										
8059	SR519184	SSG	EMPLACED_CNTR	10/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Purge	0	9/9/1982	9/9/1982		5/2/2005											
8060	SR519186	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300		0	9/21/1982		7/6/1998		12/29/1998										
8061	SR519187	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-HET	S5300	V&P Vent	0	10/5/1982	10/5/1982		8/17/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8062	SRS19190	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/5/1982		7/6/1998		12/29/1998										
8063	SRS19191	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300		0	9/21/1982		6/10/1998		12/3/1998										
8064	SRS19193	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/5/1982	10/5/1982		6/23/2007											
8065	SRS19198	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300		0	10/5/1982		7/6/1998		12/29/1998										
8066	SRS19205	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/16/1982		6/4/1998		11/27/1998										
8067	SRS19208	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/16/1982	11/16/1982		7/13/2004											
8068	SRS19211	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		7/7/1998		12/30/1998										
8069	SRS19212	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/18/1983	1/18/1983		9/8/2004				TRUE	TRUE	TRUE					
8070	SRS19218	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/2/1982	7/12/2008	6/1/1998	7/12/2008	11/24/1998										
8071	SRS19222	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		6/3/1998		11/25/1998										
8072	SRS19225	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		6/4/1998		11/27/1998										
8073	SRS19226	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		5/27/1998		11/19/1998										
8074	SRS19228	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		5/18/1998		11/10/1998										
8075	SRS19229	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/10/1983		7/1/1998		1/13/1999										
8076	SRS19232	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/10/1983		7/6/1998		12/29/1998										
8077	SRS19240	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1983		7/13/1998		1/5/1999										
8078	SRS19241	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1983		6/18/1998		12/11/1998										
8079	SRS19242	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/18/1983	2/14/2006	6/11/1998	2/14/2006	2/5/1999										
8080	SRS19254	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		6/9/1998		12/2/1998										
8081	SRS19257	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300		0	12/2/1982		5/26/1998		11/18/1998										
8082	SRS19261	SSG	EMPLACED_CNTR	9/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/2/1982	12/2/1982		7/24/2004											
8083	SRS19265	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1983	1/18/1983		9/8/2004											
8084	SRS19266	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/2/1982		6/8/1998		12/1/1998										
8085	SRS19283	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1983		6/9/1998		12/2/1998										
8086	SRS19285	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1983		6/11/1998		12/4/1998										
8087	SRS19289	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/18/1983		6/15/1998		12/8/1998										
8088	SRS19291	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300	V&P Purge	0	1/18/1983	1/18/1983		7/25/2004											
8089	SRS19293	SSG	EMPLACED_CNTR	12/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300	V&P Vent	0	1/18/1983	1/18/1983		7/22/2004											
8090	SRS19295	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	1/18/1983	1/18/1983		10/21/2004											
8091	SRS19301	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/27/1982	4/18/2006	7/27/1998	4/18/2006	1/19/1999										
8092	SRS19305	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/27/1982	10/24/2007	9/1/1998	10/24/2007	2/24/1999										
8093	SRS19309	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/5/1982		6/3/1998		1/26/1999										
8094	SRS19311	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/5/1982	6/29/2006	7/28/1998	6/29/2006	1/20/1999										
8095	SRS19313	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/5/1982		7/29/1998		1/21/1999										
8096	SRS19316	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/5/1982		7/27/1998		1/19/1999										
8097	SRS19323	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/5/1982	8/5/1982		5/29/2005											
8098	SRS19330	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/24/1982	8/24/1982		7/24/2005											
8099	SRS19331	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/31/1982	11/14/2007		11/14/2007											
8100	SRS19334	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/16/1982		6/4/1998		11/27/1998										
8101	SRS19338	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/21/1982		8/12/1998		2/4/1999										
8102	SRS19341	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/21/1982		7/21/1998		1/13/1999										
8103	SRS19344	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/21/1982	10/21/1982		6/22/2007											
8104	SRS19363	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/21/1982	11/16/2007		11/16/2007											
8105	SRS19366	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1982		6/11/1998		12/4/1998										
8106	SRS19368	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1982		7/15/1998		1/7/1999										
8107	SRS19369	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300		0	9/21/1982		7/8/1998		12/31/1998										
8108	SRS19372	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1982		7/9/1998		1/1/1999										
8109	SRS19374	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/5/1982		7/8/1998		12/31/1998										
8110	SRS19376	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/5/1982		6/8/1998		12/1/1998										
8111	SRS19378	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/5/1982	5/8/2006	6/25/1998	5/8/2006	12/18/1998										
8112	SRS19380	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/5/1982	10/5/1982		8/15/2007											
8113	SRS19384	SSG	EMPLACED_CNTR	10/14/2030 21:52	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/5/1982	7/28/2008	6/10/1998	7/28/2008	12/3/1998										
8114	SRS19385	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/5/1982		6/10/1998		12/3/1998										
8115	SRS19388	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300		0	10/5/1982		7/8/1998		12/31/1998										
8116	SRS19390	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/5/1982	1/4/2008		1/4/2008											
8117	SRS19394	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	7/13/1982	7/13/1982		6/21/2005											
8118	SRS19396	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	7/13/1982	7/13/1982		10/14/2006											
8119	SRS19399	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/27/1982	10/23/2007	7/21/1998	10/23/2007	1/13/1999										
8120	SRS19901	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/8/1983	2/8/1983		10/21/2004											
8121	SRS19903	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	S5300	V&P Vent	0	2/8/1983	2/8/1983		8/9/2007											
8122	SRS19906	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/1/1983		9/16/1998		3/11/1999										
8123	SRS19907	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/1/1983	4/21/2008	7/29/1998	4/21/2008	1/21/1999										
8124	SRS19909	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/1/1983	3/1/1983		8/9/2007											
8125	SRS19913	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/1/1983	7/11/2006	9/14/1998	7/11/2006	3/9/1999										
8126	SRS19916	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/1/1983	10/18/2007		10/18/2007											
8127	SRS19920	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/1/1983		7/9/1998		1/1/1999										
8128	SRS19922	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	S5300		0	3/1/1983		9/16/1998		3/11/1999										
8129	SRS19926	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	S5300		0	3/14/1983		6/24/1998		12/17/1998										
8130	SRS19929	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/14/1983		9/14/1998		3/9/1999										
8131	SRS19932	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/14/1983		7/15/1998		1/7/1999										
8132	SRS19938	SSG	EMPLACED_CNTR	3/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/14/1983	1/12/2008		1/12/2008											
8133	SRS19939	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/14/1983		8/4/1998		1/27/1999										
8134	SRS19947	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772E-HET	S5300	V&P Vent	0	3/14/1983	3/14/1983		8/9/2007											
8135	SRS19945	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/14/1983		7/15/1998		1/7/1999										
8136	SRS19950	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1983		6/24/1998		12/17/1998										
8137	SRS19953	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/8/1983	2/8/1983		9/5/2004											
8138	SRS19955	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1983		6/24/1998		12/17/1998										
8139	SRS19957	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/8/1983	10/29/2007		10/29/2007											
8140	SRS19961	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/1/1983	3/1/1983		8/29/2007											
8141	SRS19963	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/1/1983	6/16/2006	9/14/1998	6/16/2006	3/9/1999										
8142	SRS19966	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/1/1983	3/1/1983		8/9/2007											
8143	SRS19970	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/1/1983		8/11/1998		2/1/1999										
8144	SRS19973	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/1/1983	10/24/2007	11/23/1998	10/24/2007	5/18/1999										
8145	SRS19976	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/1/1983	3/1/1983		8/9/2007											
8146	SRS19978	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/1/1983		9/14/1998		3/9/1999										
8147	SRS19982	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/14/1983		7/29/1998		1/21/1999										
8148	SRS19985	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	3/24/1983		6/24/1998		12/17/1998										
8149	SRS19993	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/24/1983	10/18/2007		10/18/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8150	SR519996	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/24/1983		6/3/1998		11/26/1998										
8151	SR520000	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/24/1983		7/16/1998		1/8/1999										
8152	SR520401	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		9/15/1998		3/10/1999										
8153	SR520402	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/8/1983	7/1/2004	9/14/1998	7/1/2004	3/9/1999										
8154	SR520408	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		9/15/1998		3/10/1999										
8155	SR520410	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		9/14/1998		3/9/1999										
8156	SR520416	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		6/24/1998		12/17/1998										
8157	SR520419	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		9/15/1998		3/10/1999										
8158	SR520421	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/8/1983	2/8/1983		10/21/2004											
8159	SR520429	SSG	EMPLACED_CNTR	4/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	2/8/1983	2/8/1983		10/21/2004											
8160	SR520432	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		9/14/1998		3/9/1999										
8161	SR520435	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/8/1983	2/8/1983		9/5/2004											
8162	SR520439	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/8/1983	11/12/2007		11/13/2007											
8163	SR520439A	SSG	EMPLACED_CNTR	5/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/12/2007		11/12/2007		5/6/2008										
8164	SR520440	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		6/23/1998		12/16/1998										
8165	SR520442	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/8/1983	2/8/1983		9/5/2004											
8166	SR520444	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		7/16/1998		1/6/1999										
8167	SR520446	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		7/16/1998		1/5/1999										
8168	SR520448	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1983		7/14/1998		1/6/1999										
8169	SR520449	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/8/1983	9/11/2006	9/15/1998	9/11/2006	3/10/1999										
8170	SR520454	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/10/1983	1/10/1983		7/25/2004											
8171	SR520457	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/10/1983	1/10/1983		7/24/2004											
8172	SR520464	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/10/1983		8/3/1998		1/26/1999										
8173	SR520468	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/1/1983	1/8/2008		1/8/2008											
8174	SR520473	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/18/1983	1/18/1983		9/6/2004											
8175	SR520475	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/18/1983	11/21/2006		11/21/2006											
8176	SR520480	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/18/1983		7/13/1998		1/5/1999										
8177	SR520481	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/18/1983		6/18/1998		12/11/1998										
8178	SR520483	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/18/1983		7/8/1998		12/31/1998										
8179	SR520486	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	1/18/1983	1/18/1983		9/6/2004											
8180	SR520492	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/18/1983		7/13/1998		1/5/1999										
8181	SR520496	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/18/1983		6/24/1998		12/17/1998										
8182	SR520901	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/24/1983		6/1/1998		11/24/1998										
8183	SR520905	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/24/1983		9/14/1998		3/9/1999										
8184	SR520909	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/24/1983	3/24/1983		7/24/2004											
8185	SR520912	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/24/1983	4/6/2006	6/1/1998	4/6/2006	11/24/1998										
8186	SR520913	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	3/24/1983	6/27/2004	7/15/1998	6/27/2004	1/7/1999										
8187	SR520917	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	3/24/1983	3/24/1983		7/24/2004											
8188	SR520919	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	3/24/1983		6/4/1998		11/27/1998										
8189	SR520922	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/14/1983	4/14/1983		7/22/2004											
8190	SR520925	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/14/1983	4/14/1983		7/25/2004											
8191	SR520927	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		6/3/1998		11/26/1998										
8192	SR520930	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		5/26/1998		11/18/1998										
8193	SR520932	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/14/1983	4/14/1983		7/23/2004											
8194	SR520934	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		7/7/1998		12/30/1998										
8195	SR520938	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/14/1983	4/14/1983		7/25/2004											
8196	SR520941	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		5/21/1998		11/13/1998										
8197	SR520943	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		7/7/1998		12/30/1998										
8198	SR520947	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/14/1983		6/2/1998		11/25/1998										
8199	SR520948	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1983		5/26/1998		11/18/1998										
8200	SR520950	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/28/1983	4/28/1983		5/19/2007											
8201	SR520954	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/28/1983	1/4/2008		1/4/2008											
8202	SR520958	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/28/1983	4/28/1983		8/7/2007											
8203	SR520960	SSG	EMPLACED_CNTR	2/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/28/1983	10/8/2007		10/8/2007											
8204	SR520962	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1983		5/27/1998		11/19/1998										
8205	SR520967	SSG	EMPLACED_CNTR	2/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/28/1983		7/7/1998		12/30/1998										
8206	SR520974	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/28/1983	4/28/1983		5/18/2007											
8207	SR520978	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/31/1983	4/18/2006	5/27/1998	4/18/2006	11/19/1998										
8208	SR520979	SSG	EMPLACED_CNTR	8/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/31/1983		6/1/1998		11/24/1998										
8209	SR520980	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/31/1983		6/15/1998		12/4/1998										
8210	SR520982	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/31/1983	5/31/1983		6/14/2004											
8211	SR520985	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/31/1983	5/31/1983		6/15/2004											
8212	SR521152	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	9/13/1983	9/13/1983		6/2/2004											
8213	SR521157	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/13/1983	11/17/2004	6/17/1998	11/17/2004	12/10/1998										
8214	SR521508	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/23/1983	6/23/1983		5/24/2007											
8215	SR521515	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1983		7/23/1998		1/15/1999										
8216	SR521521	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/23/1983	6/23/1983		8/8/2007											
8217	SR521530	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/23/1983	2/21/2008		2/21/2008											
8218	SR521534	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/23/1983	10/26/2007		10/26/2007											
8219	SR521536	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/23/1983	9/27/2007		9/27/2007											
8220	SR521540	SSG	EMPLACED_CNTR	1/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/23/1983	6/23/1983		8/4/2007											
8221	SR521543	SSG	EMPLACED_CNTR	8/30/2010 22:51	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/28/1983	6/28/1983		8/2/2007											
8222	SR521545	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/23/1983	11/10/2007		11/10/2007											
8223	SR521548	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/23/1983	11/26/2007		11/26/2007											
8224	SR521548A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/26/2007		11/26/2007		5/28/2008										
8225	SR521549	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1983		8/12/1998		2/4/1999										
8226	SR521553	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/14/1983	7/14/1983		7/25/2004											
8227	SR521553	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1983		7/30/1998		1/22/1999										
8228	SR521555	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/2/1983	8/2/1983		6/4/2004											
8229	SR521557	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/2/1983		7/30/1998		1/22/1999										
8230	SR521561	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/2/1983	8/2/1983		6/3/2004											
8231	SR521563	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/1/1983		9/15/1998		3/10/1999										
8232	SR521567	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/16/1983	8/16/1983		6/4/2004											
8233	SR521572	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/16/1983	7/30/2007		7/30/2007											
8234	SR521572A	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1		2/1/2007		2/1/2007											
8235	SR521573	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1983		6/24/1998		12/17/1998										
8236	SR521575	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/16/1983	8/16/1983		6/20/2004											
8237	SR521578	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/16/1983		8/13/1998		2/4/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8238	SR521579	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/1983			7/7/1998	12/30/1998										
8239	SR521581	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/1983		8/12/1998		2/4/1999										
8240	SR521588	SSG	EMPLACED_CNTR	5/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	7/14/1983	7/14/1983		9/28/2007											
8241	SR521596	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/14/1983	7/30/2007		7/30/2007											
8242	SR521596A	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300	Remediate	1		1/31/2007		1/31/2007											
8243	SR521599	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300	V&P Purge	0	7/14/1983	7/14/1983		7/26/2004											
8244	SR521601	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/31/1983	5/31/1983		6/14/2004											
8245	SR521602	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/31/1983	7/17/2006	6/3/1998	7/17/2006	11/26/1998										
8246	SR521604	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/31/1983	5/31/1983		6/14/2004											
8247	SR521606	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/31/1983		6/24/1998		12/17/1998										
8248	SR521607	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	5/31/1983		6/15/1998		12/8/1998										
8249	SR521610	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	5/31/1983	5/31/1983		6/13/2004											
8250	SR521629	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/31/1983	5/31/1983		6/17/2004											
8251	SR521637	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/31/1983		7/7/1998		12/30/1998										
8252	SR521639	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	5/31/1983		7/7/1998		12/30/1998										
8253	SR521640	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	5/31/1983	4/9/2006	6/17/1998	4/9/2006	12/10/1998										
8254	SR521652	SSG	EMPLACED_CNTR	1/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/31/1983		5/27/1998		11/19/1998										
8255	SR521655	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/31/1983		5/27/1998		11/19/1998										
8256	SR521657	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	5/31/1983	5/31/1983		6/14/2004											
8257	SR521660	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300	V&P Vent	0	5/31/1983	5/31/1983		6/13/2004											
8258	SR523863	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/1983		7/28/1998		1/20/1999										
8259	SR521670	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/14/1983		7/30/1998		1/22/1999										
8260	SR521672	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/14/1983		7/16/1998		1/8/1999										
8261	SR521674	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	7/14/1983		7/28/1998		1/20/1999										
8262	SR521678	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	7/14/1983	7/14/1983		7/25/2004											
8263	SR521682	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/14/1983		8/3/1998		1/26/1999										
8264	SR521695	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/14/1983		8/19/1998		2/2/1999										
8265	SR521700	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/16/1983	8/16/1983		6/29/2004											
8266	SR521701	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	9/20/2006	7/30/1997	9/20/2006	1/22/1998										
8267	SR521703	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8268	SR521704	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/24/1997		1/16/1998										
8269	SR521707	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984		9/13/2007											
8270	SR521709	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/2/1984	2/2/1984		6/13/2004											
8271	SR521711	SSG	EMPLACED_CNTR	8/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/1/1984	2/1/1984		5/15/2004											
8272	SR521713	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300	V&P Purge	0	2/1/1984	2/1/1984		5/16/2004											
8273	SR521715	SSG	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/1/1984	7/20/2006	8/5/1997	7/20/2006	1/28/1998										
8274	SR521716	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/1/1984		8/5/1997		1/28/1998										
8275	SR521717	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/1/1984		8/11/1997		2/5/1998										
8276	SR521718	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/1/1984	2/1/1984		5/14/2004											
8277	SR521721	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	2/1/1984		8/14/1997		2/6/1998										
8278	SR521727	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/1/1984	5/23/2006		5/13/2006											
8279	SR521753	SSG	EMPLACED_CNTR	10/30/2010 10:58	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1983	11/29/1983		5/16/2004											
8280	SR521761	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		8/6/1997		1/29/1998										
8281	SR521777	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	11/29/1983		7/29/1997		1/21/1998										
8282	SR521779	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/31/1997		1/23/1998										
8283	SR521781	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1983	11/29/1983		5/14/2004											
8284	SR521783	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/29/1997		1/21/1998										
8285	SR521787	SSG	EMPLACED_CNTR	9/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	11/29/1983		7/31/1997		1/23/1998										
8286	SR531796	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1983	11/29/1983		6/24/2004											
8287	SR521800	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1983	11/29/1983		6/4/2004											
8288	SR522004	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/13/1983	6/17/2004	7/9/1998	6/17/2004	1/1/1999										
8289	SR522005	SSG	EMPLACED_CNTR	8/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/13/1983	9/13/1983		6/23/2004											
8290	SR522010	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/13/1983		6/15/1998		12/8/1998										
8291	SR522013	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/13/1983	9/13/1983		6/4/2004											
8292	SR522016	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/27/1983		5/28/1998		11/20/1998										
8293	SR522020	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/27/1983		7/6/1998		12/29/1998										
8294	SR522023	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/27/1983	9/27/1983		6/23/2004											
8295	SR522029	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	10/4/1983		5/21/1998		11/13/1998										
8296	SR522030	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1983	10/4/1983		6/1/2007											
8297	SR522034	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/4/1983	10/4/1983		5/29/2004											
8298	SR522040	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/4/1983	7/5/2006		7/5/2006											
8299	SR522044	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/4/1983	10/4/1983		4/1/2007											
8300	SR522046	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/4/1983		5/27/1998		11/19/1998										
8301	SR522048	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	10/4/1983		5/27/1998		11/19/1998										
8302	SR522054	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1983	11/29/1983		6/29/2004											
8303	SR522057	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/29/1997		1/22/1998										
8304	SR522067	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		8/4/1997		1/27/1998										
8305	SR522069	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1983	11/29/1983	7/29/1997	10/24/2003	1/21/1998										
8306	SR522072	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300		0	11/29/1983		8/4/1997		1/27/1998										
8307	SR522075	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/30/1997		1/22/1998										
8308	SR522077	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1983	11/29/1983		5/15/2004											
8309	SR522083	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/30/1997		1/22/1998										
8310	SR522084	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		8/4/1997		1/27/1998										
8311	SR522085	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/24/1997		1/16/1998										
8312	SR522087	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1983	11/29/1983		5/15/2004											
8313	SR522091	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/29/1983	5/29/2008		5/29/2008											
8314	SR522093	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/17/1997		1/9/1998										
8315	SR522095	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8316	SR522098	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984		6/11/2004											
8317	SR522099	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/29/1997		1/21/1998										
8318	SR521100	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1983	11/29/1983		5/15/2004											
8319	SR521103	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/1983		6/24/1998		12/17/1998										
8320	SR522105	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/1/1983	8/1/1983		2/27/2007											
8321	SR522111	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/16/1983	8/16/1983		6/29/2004											
8322	SR522115	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/1/1983		7/28/1998		1/20/1999										
8323	SR522117	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/16/1983		7/28/1998		1/20/1999										
8324	SR522119	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/16/1983	8/16/1983		7/21/2004											
8325	SR522122	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/16/1983	8/16/1983		6/4/2004											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8326	SR522126	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/13/1963		7/9/1998		1/1/1999										
8327	SR522131	SSG	EMPLACED_CNTR	5/23/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1963	11/29/1983		5/15/2004											
8328	SR522133	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	11/29/1963	11/29/1983		6/23/2004											
8329	SR522136	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1963	11/29/1983	7/30/1997	12/12/2003	1/22/1998										
8330	SR522140	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	6/19/2006	7/29/1997	6/19/2006	1/21/1998										
8331	SR522140A	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1		11/24/2006		11/24/2006											
8332	SR522143	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	6/28/2004	7/31/1997	6/28/2004	1/23/1998										
8333	SR522144	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		8/6/1997		1/29/1998										
8334	SR522145	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/2/1984	2/2/1984		6/13/2004											
8335	SR522146	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/29/1997		1/21/1998										
8336	SR521147	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984		6/13/2004											
8337	SR522148	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/27/1984	3/27/1984		5/29/2004											
8338	SR522152	SSG	EMPLACED_CNTR	2/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	11/29/1963		8/4/1997		1/27/1998										
8339	SR522154	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984		6/13/2004											
8340	SR522156	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/17/1997		1/9/1998										
8341	SR522157	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/2/1984	2/2/1984		6/13/2004											
8342	SR522160	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8343	SR522161	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	6/15/2006		6/15/2006											
8344	SR522163	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		8/4/1997		1/27/1998										
8345	SR522164	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/31/1997		1/23/1998										
8346	SR521165	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/31/1997		1/23/1998										
8347	SR522171	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/16/1963	8/16/1983		11/13/2006											
8348	SR522176	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/16/1963	3/29/2008		1/29/2008											
8349	SR521180	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	9/13/1963		6/11/1998		12/4/1998										
8350	SR521183	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/27/1963	4/4/2006	7/6/1998	4/4/2006	12/29/1998										
8351	SR521188	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/4/1983	10/4/1983		5/30/2004											
8352	SR522191	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	10/4/1983		5/27/1998		11/19/1998										
8353	SR522194	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	11/29/1983	11/29/1983		5/14/2004											
8354	SR522197	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	11/29/1983		7/28/1997		1/20/1998										
8355	SR522601	SSG	EMPLACED_CNTR	3/23/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984		6/13/2004											
8356	SR522602	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/31/1997		1/23/1998										
8357	SR522606	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/31/1997		1/13/1998										
8358	SR522609	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8359	SR522610	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	10/19/2005	7/21/1997	10/19/2005	1/13/1998										
8360	SR521611	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8361	SR522613	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/17/1997		1/9/1998										
8362	SR522615	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/2/1984	2/2/1984	7/21/1997	10/24/2003	1/13/1998										
8363	SR522616	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8364	SR522617	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/24/1997		1/16/1998										
8365	SR522618	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		9/24/1997		1/19/1998										
8366	SR522619	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/2/1984		7/21/1997		1/13/1998										
8367	SR522621	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/2/1984	8/29/2006	7/21/1997	8/29/2006	1/13/1998										
8368	SR522623	SSG	EMPLACED_CNTR	5/23/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/21/1984	2/21/1984		5/11/2004											
8369	SR522624	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		7/17/1997		1/9/1998										
8370	SR522625	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		8/5/1997		1/28/1998										
8371	SR522626	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	2/21/1984	2/21/1984		5/9/2004											
8372	SR522636	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		8/6/1997		1/29/1998										
8373	SR522638	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		8/6/1997		1/29/1998										
8374	SR522640	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		8/6/1997		1/29/1998										
8375	SR522641	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		8/11/1997		2/3/1998										
8376	SR522642	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	2/21/1984		7/30/1997		1/22/1998										
8377	SR522643	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/13/1997		2/5/1998										
8378	SR522644	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/27/1984	7/12/2006	8/18/1997	7/12/2006	2/10/1998										
8379	SR522647	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/18/1997		2/10/1998										
8380	SR522650	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/27/1984	9/26/2006	8/18/1997	9/26/2006	2/10/1998										
8381	SR522670	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		7/29/1997		1/21/1998										
8382	SR522674	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	3/27/1984	3/27/1984	8/12/1997	10/24/2003	2/4/1998										
8383	SR522682	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/25/1997		2/17/1998										
8384	SR522683	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/14/1997		2/6/1998										
8385	SR522684	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/12/1997		2/4/1998										
8386	SR522685	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/18/1997		2/10/1998										
8387	SR522686	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	3/27/1984	4/18/2006	8/12/1997	4/18/2006	2/4/1998										
8388	SR522689	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	3/27/1984		8/25/1997		2/17/1998										
8389	SR522690	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/24/1984	4/18/2006	8/18/1997	4/18/2006	2/10/1998										
8390	SR522092	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/12/1997		2/4/1998										
8391	SR522697	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/24/1984	4/24/1984		5/4/2004											
8392	SR522699	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/4/2004											
8393	SR522702	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/24/1984	4/24/1984		5/4/2004											
8394	SR522704	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/29/2004											
8395	SR522709	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/18/1997		2/10/1998										
8396	SR522712	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/13/1997		2/5/1998										
8397	SR522713	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/30/2004											
8398	SR522716	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/18/1997		2/10/1998										
8399	SR522718	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/18/1997		2/10/1998										
8400	SR522719	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/27/1997		2/19/1998										
8401	SR522721	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/27/1997		2/19/1998										
8402	SR522722	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984	8/4/1997	9/26/2005	1/27/1998										
8403	SR522724	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/12/1997		2/4/1998										
8404	SR522727	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984	8/12/1997	10/24/2003	2/4/1998										
8405	SR522731	SSG	EMPLACED_CNTR	4/2/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/4/2004											
8406	SR522732	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300		0	4/24/1984		8/12/1997		2/4/1998										
8407	SR522735	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/4/2004											
8408	SR522737	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	4/24/1984	4/24/1984		5/4/2004											
8409	SR522738	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/24/1984	4/20/2006	8/13/1997	4/20/2006	2/5/1998										
8410	SR522739	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/24/1984	6/28/2004	8/13/1997	6/28/2004	2/5/1998										
8411	SR522741	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/24/1984	4/24/1984		5/4/2004											
8412	SR522742	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	4/24/1984	4/24/1984		5/4/2004											
8413	SR522744	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/24/1984	4/17/2006	8/12/1997	4/17/2006	2/4/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8414	SR522745	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	4/24/1984	4/24/1984	8/13/1997	4/22/2004	7/5/1998										
8415	SR522746	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/24/1984		8/14/1997		2/6/1998										
8416	SR522748	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/24/1984	4/24/1984		5/4/2004											
8417	SR522751	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/31/1984		7/16/1997		1/8/1998										
8418	SR522753	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/31/1984	5/31/1984		5/28/2004											
8419	SR522756	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/31/1984	6/11/2006	7/14/1997	6/11/2005	1/6/1998										
8420	SR522767	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/31/1984		7/24/1997		1/16/1998										
8421	SR522773	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/31/1984	7/19/2006	7/15/1997	7/19/2006	1/7/1998										
8422	SR522776	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/31/1984	4/17/2006	7/22/1997	4/17/2006	1/14/1998										
8423	SR522780	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	5/31/1984	5/31/1984		5/29/2004											
8424	SR522781	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/31/1984	7/16/2007	7/16/1997	7/16/2007	1/8/1998										
8425	SR522784	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	55300		0	5/31/1984		7/24/1997		1/16/1998										
8426	SR522785	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/31/1984		7/24/1997		1/16/1998										
8427	SR522786	SSG	EMPLACED_CNTR	9/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/27/1984	3/27/1984		3/1/2006											
8428	SR522787	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/24/1984	4/24/1984		5/4/2004											
8429	SR522789	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/24/1984	4/18/2006	8/4/1997	4/18/2006	1/27/1998										
8430	SR522790	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/24/1984	4/24/1984		5/3/2004											
8431	SR522794	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/24/1984		8/25/1997		2/17/1998										
8432	SR522800	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	4/24/1984	4/24/1984		5/30/2004											
8433	SR523811	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	4/18/2006	7/9/1997	4/18/2006	1/1/1998										
8434	SR523819	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/3/1984		7/9/1997		1/1/1998										
8435	SR523821	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	3/7/2007	7/9/1997	3/7/2007	1/1/1998										
8436	SR523823	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/3/1984		7/15/1997		1/7/1998										
8437	SR523828	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/3/1984		7/15/1997		1/7/1998										
8438	SR523830	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	4/18/2007		4/18/2007											
8439	SR523830A	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/18/2007		4/18/2007		10/11/2007										
8440	SR523834	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	7/3/1984	7/3/1984		5/28/2004											
8441	SR523837	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	5/23/2006	8/14/1997	5/23/2006	2/6/1998										
8442	SR523842	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/27/1984	7/27/1984		6/12/2004											
8443	SR523860	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	7/27/1984	7/27/1984		6/10/2004											
8444	SR523863	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/23/1997		1/15/1998										
8445	SR523864	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/17/1997		1/9/1998										
8446	SR523867	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/17/1997		1/9/1998										
8447	SR523869	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	7/27/1984	7/27/1984		6/12/2004											
8448	SR523870	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/23/1997		1/13/1998										
8449	SR523884	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/17/1997		1/9/1998										
8450	SR523891	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/15/1997		1/7/1998										
8451	SR523894	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		6/24/1997		12/17/1997										
8452	SR523897	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/27/1984	7/27/1984		1/28/2006											
8453	SR523900	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		6/24/1997		12/17/1997										
8454	SR524452	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	7/3/1984	7/3/1984		5/29/2004											
8455	SR524453	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/27/1984	5/12/2006	7/16/1997	5/12/2006	1/8/1998										
8456	SR524456	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		9/24/1997		3/19/1998										
8457	SR524458	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/23/1997		1/15/1998										
8458	SR524465	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/27/1984	7/27/1984		8/12/2004											
8459	SR524468	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/27/1984	7/27/1984		6/12/2004											
8460	SR524471	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/17/1997		1/9/1998										
8461	SR524473	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	7/27/1984	7/27/1984		6/11/2004											
8462	SR524477	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	9/18/1984	7/11/2006	7/7/1997	7/11/2006	12/30/1997										
8463	SR524483	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/21/1984	8/21/1984		4/3/2007											
8464	SR524486	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	5/31/2006	6/25/1997	5/11/2006	12/18/1997										
8465	SR524487	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		7/23/1997		1/14/1998										
8466	SR524492	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		6/24/1997		12/17/1997										
8467	SR524495	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		6/24/1997		12/17/1997										
8468	SR524504	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		7/13/1997		1/15/1998										
8469	SR524508	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	11/15/2006	7/23/1997	11/15/2006	1/14/1998										
8470	SR524510	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		7/21/1997		1/13/1998										
8471	SR524512	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		6/24/1997		12/17/1997										
8472	SR524514	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/27/1984		7/15/1997		1/7/1998										
8473	SR524517	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	4/3/2006	7/7/1997	4/3/2006	12/30/1997										
8474	SR524519	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	5/8/2006	7/21/1997	5/8/2006	1/13/1998										
8475	SR524524	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	8/1/2007		8/1/2007											
8476	SR524527	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		7/7/1997		12/30/1997										
8477	SR524528	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		6/25/1997		12/18/1997										
8478	SR524531	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	6/1/2006	7/21/1997	6/1/2006	1/13/1998										
8479	SR524534	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		6/25/1997		12/18/1997										
8480	SR524536	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	5/25/2006	7/22/1997	5/25/2006	1/14/1998										
8481	SR524538	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/21/1984	6/6/2006	6/25/1997	6/6/2006	12/18/1997										
8482	SR524542	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	8/21/1984	8/21/1984	7/22/1997	10/10/2006	1/14/1998										
8483	SR524543	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/21/1984		6/24/1997		12/17/1997										
8484	SR525753	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/31/1984		7/17/1997		1/9/1998										
8485	SR525757	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/31/1984		7/15/1997		1/7/1998										
8486	SR525759	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/15/1997		1/7/1998										
8487	SR525762	SSG	EMPLACED_CNTR	9/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	7/3/1984	7/3/1984		6/12/2004											
8488	SR525763	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Purge	0	6/7/1984	6/7/1984		5/29/2004											
8489	SR525764	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/23/1997		1/15/1998										
8490	SR525775	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	1/4/2006		1/4/2006											
8491	SR525778	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/16/1997		1/8/1998										
8492	SR525780	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/17/1997		1/9/1998										
8493	SR525782	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/22/1997		1/14/1998										
8494	SR525786	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/24/1997		1/16/1998										
8495	SR525788	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/15/1997		1/7/1998										
8496	SR525794	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/23/1997		1/15/1998										
8497	SR525797	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/3/1984	11/5/2007		11/5/2007											
8498	SR525799	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/24/1997		1/16/1998										
8499	SR525801	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/7/1984		7/17/1997		1/9/1998										
8500	SR525803	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/7/1984	6/7/1984	7/23/1997	5/8/2004	1/15/1998										
8501	SR525806	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/7/1984	6/7/1984	9/24/1997	11/16/2007	1/19/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8502	SR525809	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	6/7/1984		7/15/1997		1/7/1998										
8503	SR525813	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	6/7/1984		7/24/1997		1/16/1998										
8504	SR525815	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	7/3/1984	7/3/1984		6/13/2004											
8505	SR525817	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Purge	0	7/3/1984	7/3/1984		5/29/2004											
8506	SR525820	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	6/7/1984		7/24/1997		1/16/1998										
8507	SR525822	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO28-772F-MET	SS300		0	7/3/1984		7/22/1997		1/14/1998										
8508	SR525828	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	7/3/1984	4/5/2006		4/5/2006											
8509	SR525829	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	6/7/1984		7/15/1997		1/7/1998										
8510	SR525831	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	6/7/1984		7/14/1997		1/6/1998										
8511	SR525833	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	6/7/1984	2/12/2007	9/24/1997	2/12/2007	3/19/1998										
8512	SR525835	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	6/7/1984	4/17/2007	7/23/1997	4/17/2007	1/15/1998										
8513	SR525843	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	7/3/1984		7/23/1997		1/15/1998										
8514	SR525846	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	6/7/1984	4/12/2007	9/24/1997	4/12/2007	3/19/1998										
8515	SR526051	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO28-772F-MET	SS300		0	8/21/1984		7/21/1997		1/13/1998										
8516	SR526054	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO28-772F-MET	SS300		0	8/21/1984		6/25/1997		12/18/1997										
8517	SR526055	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	8/21/1984	5/25/2006	6/25/1997	5/25/2006	12/18/1997										
8518	SR526057	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO28-773F-MET	SS300		0	8/21/1984		7/22/1997		1/14/1998										
8519	SR526059	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	8/21/1984	5/31/2006	6/25/1997	5/31/2006	12/18/1997										
8520	SR526062	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	8/21/1984	7/24/2007		7/24/2007											
8521	SR526063	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	8/21/1984	3/28/2006	6/24/1997	3/28/2006	12/17/1997										
8522	SR526076	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	8/21/1984		6/24/1997		12/17/1997										
8523	SR526080	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	9/18/1984	6/22/2006	7/16/1997	6/22/2006	1/8/1998										
8524	SR526084	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	9/18/1984	7/18/2006	5/5/1997	7/18/2006	10/28/1997										
8525	SR526086	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/7/1997		12/30/1997										
8526	SR526089	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8527	SR526099	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/7/1997		12/30/1997										
8528	SR527110	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		5/1/1997		10/24/1997										
8529	SR527115	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8530	SR527117	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8531	SR527120	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8532	SR527124	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8533	SR527126	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Purge	0	9/18/1984	9/18/1984		6/2/2004											
8534	SR527127	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/16/1997		1/8/1998										
8535	SR527128	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8536	SR527134	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Purge	0	9/18/1984	9/18/1984		6/4/2004											
8537	SR527137	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		6/19/1997		12/12/1997										
8538	SR527142	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/18/1984		7/8/1997		12/31/1997										
8539	SR527144	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	9/18/1984	9/18/1984		6/4/2004											
8540	SR527147	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	9/25/1984	4/5/2006	7/7/1997	4/5/2006	12/30/1997										
8541	SR527150	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/25/1984		7/7/1997		12/30/1997										
8542	SR527154	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	9/25/1984	6/7/2006	7/7/1997	6/7/2006	12/30/1997										
8543	SR527158	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/25/1984		7/7/1997		12/30/1997										
8544	SR527159	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	9/25/1984	9/25/1984		6/5/2004											
8545	SR527161	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	9/25/1984		7/7/1997		12/30/1997										
8546	SR527165	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		6/18/1997		12/11/1997										
8547	SR527166	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		6/18/1997		12/11/1997										
8548	SR527169	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	10/11/1984	6/27/2006	7/8/1997	6/27/2006	12/31/1997										
8549	SR527171	SSG	EMPLACED_CNTR	11/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	10/11/1984	4/4/2006	6/26/1997	4/4/2006	12/19/1997										
8550	SR527177	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	10/11/1984	1/29/2007	7/15/1997	1/29/2007	1/7/1998										
8551	SR527177A	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	1/29/2007			1/29/2007											
8552	SR527179	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8553	SR527182	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8554	SR527184	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8555	SR527186	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/7/1997		12/30/1997										
8556	SR527188	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8557	SR527191	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	10/11/1984	10/11/1984		6/1/2004											
8558	SR527194	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8559	SR527196	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	10/11/1984	6/1/2006	7/8/1997	6/1/2006	12/31/1997										
8560	SR527198	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		6/26/1997		12/19/1997										
8561	SR527304	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/11/1984		7/8/1997		12/31/1997										
8562	SR527309	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		7/8/1997		12/29/1997										
8563	SR527312	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO28-772F-MET	SS300		0	10/31/1984		7/7/1997		12/30/1997										
8564	SR527314	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		7/7/1997		12/30/1997										
8565	SR527317	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	Remediate	1	10/31/1984	5/24/2006	7/7/1997	5/24/2006	12/30/1997										
8566	SR527320	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		6/26/1997		12/19/1997										
8567	SR527323	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		7/7/1997		12/30/1997										
8568	SR527325	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	10/31/1984	10/31/1984		6/3/2004											
8569	SR527328	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		6/26/1997		12/18/1997										
8570	SR527331	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		6/30/1997		10/23/1997										
8571	SR527334	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Purge	0	10/31/1984	10/31/1984		6/3/2004											
8572	SR527337	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO28-772F-MET	SS300		0	10/31/1984		7/7/1997		12/30/1997										
8573	SR527340	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		5/5/1997		10/28/1997										
8574	SR527343	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		7/7/1997		12/30/1997										
8575	SR527345	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		6/26/1997		12/19/1997										
8576	SR527347	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	10/31/1984		6/26/1997		12/19/1997										
8577	SR527352	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/15/1984		7/7/1997		12/30/1997										
8578	SR527358	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Purge	0	11/15/1984	11/15/1984		5/17/2004											
8579	SR527360	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	11/15/1984	11/15/1984		6/4/2004											
8580	SR527364	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/15/1984		4/16/1997		10/9/1997										
8581	SR527367	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/15/1984		7/7/1997		12/30/1997										
8582	SR527370	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300	V&P Vent	0	11/15/1984	11/15/1984		6/5/2004											
8583	SR527375	SSG	EMPLACED_CNTR	2/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/15/1984		7/7/1997		12/30/1997										
8584	SR527378	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/27/1984		7/7/1997		12/30/1997										
8585	SR527381	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/15/1984		7/7/1997		12/30/1997										
8586	SR527389	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/27/1984		4/17/1997		10/10/1997										
8587	SR527392	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/27/1984		3/19/1997		9/11/1997										
8588	SR527395	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/27/1984		7/7/1997		12/30/1997										
8589	SR527398	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO26-772F-MET	SS300		0	11/27/1984		4/30/1997		10/13/1997										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8590	SR527504	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/6/1984		7/7/1997		12/30/1997										
8591	SR527507	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300		0	12/6/1984		7/8/1997		12/11/1997										
8592	SR527510	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/6/1984		7/7/1997		12/30/1997										
8593	SR527513	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/6/1984		4/23/1997		10/15/1997										
8594	SR527517	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/6/1984	12/6/1984		5/16/2004											
8595	SR527521	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/15/1984	6/21/2006	4/22/1997	6/22/2006	10/15/1997										
8596	SR527528	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/6/1984	12/6/1984		5/15/2004											
8597	SR527532	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/6/1984		4/21/1997		10/14/1997										
8598	SR527536	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300	Remediate	1	12/13/1984	11/29/2004	2/25/1997	11/29/2004	8/20/1997										
8599	SR527538	SSG	EMPLACED_CNTR	8/3/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/13/1984		3/4/1997		8/27/1997										
8600	SR527540	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/13/1984	12/13/1984		10/11/2004											
8601	SR527543	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/13/1984	5/31/2006	3/4/1997	5/31/2006	8/27/1997										
8602	SR527546	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	12/20/1984	12/20/1984		4/3/2007											
8603	SR527548	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/20/1984	11/27/2007		11/27/2007											
8604	SR527552	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/13/1984		3/4/1997		8/27/1997										
8605	SR527557	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/20/1984	12/20/1984		5/14/2004											
8606	SR527560	SSG	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/20/1984	12/20/1984		5/14/2004											
8607	SR527563	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/20/1984		7/7/1997		12/30/1997										
8608	SR527567	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300	V&P Purge	0	12/20/1984	12/20/1984		5/15/2004											
8609	SR527571	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	12/20/1984		5/6/1997		10/29/1997										
8610	SR527573	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWTS_Updt	SR-W028-772F-HET	S5300		0	12/20/1984		2/28/1997		8/23/1997										
8611	SR527577	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	12/20/1984	12/20/1984	3/3/1997	9/21/2005	8/26/1997										
8612	SR527580	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	1/10/1985		3/4/1997		8/27/1997										
8613	SR527583	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	1/10/1985		4/22/1997		10/15/1997										
8614	SR527588	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	1/10/1985		3/3/1997		8/26/1997										
8615	SR527591	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	1/10/1985		2/21/1997		8/18/1997										
8616	SR527594	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	1/24/1985	5/24/2006		5/24/2006											
8617	SR527597	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	1/30/1985		3/4/1997		8/27/1997										
8618	SR527601	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	8/28/1985		9/23/1996		3/18/1997										
8619	SR527603	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	8/28/1985	8/28/1985		5/13/2004											
8620	SR527606	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/28/1985	2/15/2006		2/15/2006											
8621	SR527609	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/28/1985	6/20/2006	11/18/1996	6/20/2006	5/13/1997										
8622	SR527611	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/3/1985	9/3/1985		7/21/2004											
8623	SR527616	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/3/1985	9/3/1985		4/12/2004											
8624	SR527619	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/3/1985		4/15/1996		10/8/1996										
8625	SR527621	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/5/1985		9/19/1996		3/14/1997										
8626	SR527624	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/5/1985		3/17/1998		9/9/1998										
8627	SR527627	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/9/1985		10/29/1996		4/23/1997										
8628	SR527629	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/9/1985	5/25/2006	3/20/1996	5/25/2006	9/12/1996										
8629	SR527633	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/9/1985		12/3/1996		5/28/1997										
8630	SR527637	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/10/1985		10/1/1996		3/28/1997										
8631	SR527640	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/13/1985		6/19/1996		12/12/1996										
8632	SR527642	SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300	V&P Purge	0	9/17/1985	9/17/1985		5/15/2004											
8633	SR527645	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/24/1985		12/2/1998		5/27/1999										
8634	SR527648	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/24/1985		10/22/1998		4/15/1999										
8635	SR527650	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/24/1985		12/2/1996		5/27/1997										
8636	SR527652	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/27/1985	9/27/1985	9/27/1985	12/11/2003	3/12/1986										
8637	SR527654	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	9/27/1985	1/22/2007	9/27/1985	1/22/2007	3/22/1986										
8638	SR527656	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/27/1985	12/2/2009		12/2/2009	7/17/2007			TRUE	TRUE	TRUE					
8639	SR527656A	SSG	EMPLACED_CNTR	5/26/2011 18:44	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1					3/22/1986			TRUE	TRUE	TRUE					
8640	SR527657	SSG			4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	9/27/1985		9/27/1985												
8641	SR527658	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/3/1985	10/3/1985		6/11/2004											
8642	SR527662	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/2/1985	10/2/1985		6/11/2004											
8643	SR527665	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/2/1985	10/2/1985	10/2/1985	12/11/2003	3/27/1986										
8644	SR527669	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300	V&P Vent	0	10/2/1985	10/2/1985	10/2/1985	12/11/2003	3/27/1986										
8645	SR527671	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300	V&P Vent	0	10/2/1985	10/2/1985	10/2/1985	12/11/2003	3/27/1986										
8646	SR527674	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/3/1985	10/3/1985		4/12/2004											
8647	SR527677	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/14/1985	10/14/1985	10/14/1985	12/11/2003	4/8/1986										
8648	SR527680	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/14/1985	10/14/1985	10/14/1985	12/2/2003	4/8/1986										
8649	SR527683	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	10/14/1985	10/14/1985	10/14/1985	12/11/2003	4/8/1986										
8650	SR527685	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	10/23/1985		5/14/1996		11/6/1996										
8651	SR527688	SSG	EMPLACED_CNTR	2/2/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	10/23/1985		10/29/1996	6/28/2004	4/23/1997										
8652	SR527691	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	10/23/1985	6/28/2004		6/28/2004											
8653	SR527694	SSG	EMPLACED_CNTR	10/6/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/23/1985	10/23/1985		4/14/2004											
8654	SR527696	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/23/1985			4/16/2004											
8655	SR527699	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	10/23/1985		3/14/1996		9/9/1996										
8656	SR527701	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	7/20/1985	7/20/1985		5/14/2004											
8657	SR527704	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		4/16/1996		10/9/1996										
8658	SR527707	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		3/18/1996		9/10/1996										
8659	SR527709	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		1/30/1997		7/15/1997										
8660	SR527712	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		3/27/1996		9/19/1996										
8661	SR527715	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		12/30/1998		6/4/1999										
8662	SR527718	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		11/13/1996		5/8/1997										
8663	SR527721	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		6/24/1996		12/17/1996										
8664	SR527725	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		10/22/1998		4/16/1999										
8665	SR527729	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/20/1985		9/10/1996		3/5/1997										
8666	SR527731	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	7/20/1985	7/20/1985		5/9/2004											
8667	SR527735	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/1/1985	8/1/1985		5/30/2004											
8668	SR527738	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/31/1985		5/13/1996		11/15/1996										
8669	SR527742	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/1/1985	4/6/2006		4/6/2006											
8670	SR527745	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/1/1985	8/1/1985		5/9/2004											
8671	SR527748	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	7/31/1985		12/4/1996		5/29/1997										
8672	SR527750	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	7/31/1985	7/31/1985		5/15/2004											
8673	SR527754	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300		0	8/1/1985		10/29/1998		4/23/1999										
8674	SR527758	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/1/1985	1/28/2006	12/29/1998	1/28/2006	6/23/1999										
8675	SR527760	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWTS_Updt	SR-W026-772T-HET	S5300		0	8/1/1985		12/3/1998		5/26/1999										
8676	SR527762	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/8/1985	9/19/2006	5/7/1996	9/19/2006	10/30/1996										
8677	SR527767	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWTS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/8/1985	6/21/2006	12/17/1998	6/21/2006	8/13/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8678	SR527771	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/8/1985			4/15/2004											
8679	SR527774	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-77J1-HET	SS300	V&P Vent	0	8/8/1985	8/8/1985		5/14/2004											
8680	SR527777	SSG	EMPLACED_CNTR	12/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	SS300	Remediate	1	8/19/1985	7/19/2006	2/18/1999	7/19/2006	8/13/1999			TRUE	TRUE	TRUE					
8681	SR527780	SSG	EMPLACED_CNTR	7/10/2012 10:05	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/19/1985	2/25/2008		2/25/2008		In Culvert No Vent									
8682	SR527783	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/19/1985		9/23/1996		3/18/1997										
8683	SR527790	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/19/1985		12/17/1998		6/11/1999										
8684	SR527792	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/26/1985		12/3/1996		5/28/1997										
8685	SR527795	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/26/1985	6/22/2006	10/26/1998	6/22/2006	4/20/1999										
8686	SR527797	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/26/1985		4/4/1996		9/27/1996										
8687	SR527799	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/28/1985	11/21/2004		11/21/2004											
8688	SR527801	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1985		10/21/1996		4/15/1997										
8689	SR527803	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/15/1985		3/26/1996		9/18/1996										
8690	SR527806	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/15/1985		1/20/1999		7/15/1999										
8691	SR527810	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/15/1985		12/2/1998		5/27/1999										
8692	SR527812	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/15/1985		1/18/1999		7/18/1999										
8693	SR527816	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	6/20/2006	6/5/1985	6/20/2006	11/28/1985										
8694	SR527819	SSG	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1985		1/4/1999		6/29/1999										
8695	SR527823	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/13/1985	5/31/1985	5/31/1985	9/13/2003	11/23/1985										
8696	SR527825	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1985		5/14/1998		11/6/1996										
8697	SR527827	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	5/30/2006	10/27/1998	5/30/2006	4/21/1999										
8698	SR527830	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1985		3/7/1996		8/30/1996										
8699	SR527833	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772I-HET	SS300		0	6/5/1985		11/3/1998		4/28/1999										
8700	SR527835	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1985		5/9/1996		11/1/1996										
8701	SR527837	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	6/26/2006	11/20/1996	6/26/2006	5/15/1997										
8702	SR527841	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	6/12/2006	1/19/1999	6/12/2006	7/14/1999										
8703	SR527845	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	2/21/2007		2/21/2007											
8704	SR527848	SSG	EMPLACED_CNTR	11/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/5/1985	7/5/2006		7/5/2006											
8705	SR527849	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/5/1985		5/9/1996		11/1/1996										
8706	SR527852	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/5/1985	6/5/1985		10/12/2004											
8707	SR527855	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/5/1985	6/5/1985		10/12/2004											
8708	SR527859	SSG	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/5/1985	6/5/1985		10/14/2004											
8709	SR527862	SSG	EMPLACED_CNTR	8/21/2010 10:30	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/8/1985	7/17/2008		7/17/2008											
8710	SR527863	SSG	EMPLACED_CNTR	4/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/27/1985	6/27/1985		7/26/2007											
8711	SR527866	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/27/1985		12/2/1998		5/17/1999										
8712	SR527869	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/27/1985		11/24/1998		5/19/1999										
8713	SR527870	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/27/1985	6/27/1985		10/14/2004											
8714	SR527874	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/26/1985	7/17/2006	10/22/1998	7/17/2006	4/16/1999										
8715	SR527877	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/27/1985	4/10/2008		4/10/2006											
8716	SR527881	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/27/1985		12/3/1996		5/28/1997										
8717	SR527883	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/9/1985		4/18/1996		10/11/1996										
8718	SR527885	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/9/1985		12/4/1996		5/29/1997										
8719	SR527887	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/9/1985	3/8/2007	10/8/1996	3/8/2007	4/2/1997										
8720	SR527889	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/9/1985	5/26/2006	11/17/1998	5/26/2006	5/12/1999										
8721	SR527892	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/9/1985		10/24/1996		4/18/1997										
8722	SR527895	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/9/1985		12/7/1998		6/1/1999										
8723	SR527898	SSG	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/29/1985	7/29/1985		5/31/2004											
8724	SR527903	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/13/1985		2/12/1997		8/7/1997										
8725	SR527904	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/13/1985	8/13/1985		5/13/2004											
8726	SR527906	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/13/1985	6/1/2006	2/5/1997	6/1/2006	7/31/1997										
8727	SR527908	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/13/1985		1/29/1997		7/24/1997										
8728	SR527911	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/13/1985		2/14/1997		8/9/1997										
8729	SR527913	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/13/1985		3/4/1997		8/27/1997										
8730	SR527915	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/13/1985		2/14/1997		8/8/1997										
8731	SR527916	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/13/1985	1/30/2007	2/3/1997	1/30/2007	7/29/1997										
8732	SR527918	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/12/1985		2/10/1997		8/5/1997										
8733	SR527919	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		4/9/1996		10/7/1996										
8734	SR527922	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	8/20/1985	8/20/1985	8/20/1985	8/26/2008	9/12/1985										
8735	SR527925	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		11/30/1998		5/25/1999										
8736	SR527927	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		5/6/1996		10/29/1996										
8737	SR527928	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		3/14/1996		9/6/1996										
8738	SR527933	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		10/21/1996		4/17/1997										
8739	SR527935	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/20/1985	5/24/2006	6/24/1996	5/24/2006	12/17/1996										
8740	SR527937	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/20/1985		3/17/1998		9/9/1998										
8741	SR527941	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/30/1985		11/30/1998		5/25/1999										
8742	SR527944	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/30/1985	6/27/2004	11/26/1996	6/27/2004	5/1/1997										
8743	SR527946	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/30/1985		11/9/1998		5/4/1999										
8744	SR527949	SSG	EMPLACED_CNTR	12/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/30/1985	7/18/2006		7/18/2006											
8745	SR527954	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/9/1985		11/21/1996		5/14/1997										
8746	SR527956	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/9/1985	4/9/1985		8/1/2004											
8747	SR527960	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/9/1985	4/9/1985		5/31/2004											
8748	SR527962	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/9/1985		12/7/1998		6/1/1999										
8749	SR527964	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/24/1985	4/24/1985		5/15/2004											
8750	SR527966	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1985		4/18/1996		10/11/1996										
8751	SR527968	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	4/24/1985	4/24/1985	11/10/1996	10/16/2003	5/5/1999										
8752	SR527971	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1985		11/18/1996		5/13/1997										
8753	SR527974	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/24/1985		1/20/1999		7/15/1999										
8754	SR527977	SSG	EMPLACED_CNTR	5/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/13/1985	6/29/2004	4/22/1996	6/29/2004	10/15/1996										
8755	SR527981	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1985		4/4/1996		9/27/1996										
8756	SR527984	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1985		1/20/1999		7/15/1999										
8757	SR527987	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1985		10/23/1996		4/16/1997										
8758	SR527992	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/8/1985	5/8/1985		5/25/2004											
8759	SR527995	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/8/1985		11/5/1998		4/30/1999										
8760	SR527997	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	5/8/1985	5/8/1985		5/17/2004											
8761	SR528001	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/10/1985	5/26/2006	2/14/1997	5/15/2006	8/9/1997										
8762	SR528004	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/24/1985	11/20/2004		11/20/2004											
8763	SR528009	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/24/1985		3/10/1997		9/2/1997										
8764	SR528012	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	1/24/1985		7/7/1997		12/30/1997										
8765	SR528015	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	1/24/1985	1/24/1985		5/31/2004											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8766	SRS28021	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/24/1985		5/5/1997		10/28/1997										
8767	SRS28023	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	1/24/1985		3/5/1997		8/28/1997										
8768	SRS28026	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/24/1985		2/28/1997		8/23/1997										
8769	SRS28028	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	1/24/1985		8/4/1997		8/27/1997										
8770	SRS28033	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/24/1985		7/7/1997		12/30/1997										
8771	SRS28036	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	1/24/1985	1/24/1985		6/1/2004											
8772	SRS28039	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	2/8/1985		2/20/1997		8/15/1997										
8773	SRS28041	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/8/1985		7/8/1997		12/31/1997										
8774	SRS28044	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	2/8/1985	2/8/1985	4/15/1997	5/30/2006	10/8/1997										
8775	SRS28048	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	2/8/1985	5/30/2006	7/7/1997	5/25/2006	12/30/1997										
8776	SRS28050	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300	Remediate	1	2/8/1985	5/25/2006	7/7/1997		12/31/1997										
8777	SRS28052	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/8/1985		2/21/1997		8/16/1997										
8778	SRS28059	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/8/1985		7/8/1997		12/31/1997										
8779	SRS28062	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/8/1985		7/7/1997		12/30/1997										
8780	SRS28071	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/20/1985		2/27/1997		8/22/1997										
8781	SRS28073	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/20/1985														
8782	SRS28077	SSG	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	2/20/1985	2/20/1985		5/16/2004											
8783	SRS28081	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/20/1985		4/14/1997		10/7/1997										
8784	SRS28085	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	2/20/1985	2/20/1985		5/16/2004											
8785	SRS28088	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/20/1985		7/7/1997		12/30/1997										
8786	SRS28091	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	3/13/1985		7/7/1997		8/2/1997										
8787	SRS28094	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300	Remediate	1	3/13/1985	2/21/2007	1/30/1997	2/21/2007	7/25/1997										
8788	SRS28095	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	3/13/1985		2/28/1997		8/23/1997										
8789	SRS28097	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	3/13/1985		3/6/1997		8/1/1997										
8790	SRS31202	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	10/23/1985		1/27/1997		7/22/1997										
8791	SRS31205	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	10/23/1985	6/30/2004	2/10/1999	6/30/2004	8/5/1999										
8792	SRS31208	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	10/28/1985	5/13/2006	7/10/1996	5/13/2006	1/7/1997										
8793	SRS31210	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	10/28/1985		2/16/1999		8/11/1999										
8794	SRS31213	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	11/1/1985	11/1/1985		5/28/2004											
8795	SRS31216	SSG	EMPLACED_CNTR	3/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/1/1985		9/18/1996		3/13/1997										
8796	SRS31219	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/1/1985		9/18/1996		5/6/1997										
8797	SRS31221	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/1/1985		11/11/1998		4/10/2004										
8798	SRS31224	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	11/1/1985	11/1/1995	10/17/2003	10/17/2003	9/12/1996										
8799	SRS31227	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/11/1985		3/20/1996		3/18/1997										
8800	SRS31230	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/11/1985		9/23/1996		5/20/1997										
8801	SRS31235	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/19/1985		11/25/1996		8/1/1997										
8802	SRS31237	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	11/25/1985		10/7/1996												
8803	SRS31240	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	11/25/1985	11/25/1985		6/3/2005											
8804	SRS31244	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/6/1985		12/4/1996		5/29/1997										
8805	SRS31246	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	12/6/1985	12/6/1985		5/28/2004											
8806	SRS31249	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	12/11/1985	12/11/1985		5/31/2004											
8807	SRS31252	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/11/1985		7/8/1996		12/31/1996										
8808	SRS31256	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/6/1985		12/3/1998		5/28/1999										
8809	SRS31259	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	12/11/1985	12/11/1985	12/11/1985	12/2/2003	6/5/1986										
8810	SRS31261	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/10/1985		5/29/1996		11/21/1996										
8811	SRS31262	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	12/11/1985	6/29/2004	5/14/1996	6/29/2004	11/6/1996										
8812	SRS31265	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/11/1985		3/25/1996		9/17/1996										
8813	SRS31268	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	12/11/1985	12/11/1985		5/29/2004											
8814	SRS31272	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/11/1985		2/17/1999		6/12/1999										
8815	SRS31275	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/18/1985		12/3/1996		5/28/1997										
8816	SRS31277	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/18/1985		5/6/1996		10/29/1996										
8817	SRS31279	SSG	EMPLACED_CNTR	2/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	12/18/1985		11/13/1996		5/8/1997										
8818	SRS31281	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	12/18/1985	10/19/2006		10/19/2006											
8819	SRS31283	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	12/18/1985	12/18/1995	12/18/1985	9/30/2003	6/12/1986										
8820	SRS31286	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	12/18/1985		12/1/1998		5/28/1999										
8821	SRS31294	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/2/1986		1/20/1997		7/15/1997										
8822	SRS31296	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/2/1986		4/11/1996		10/4/1996										
8823	SRS31298	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	1/2/1986	1/21/1986	1/7/1986	10/6/2003	6/27/1986										
8824	SRS31300	SSG	EMPLACED_CNTR	11/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	1/13/1986	6/19/2006	1/14/1999	6/19/2006	7/9/1999										
8825	SRS31304	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/13/1986		5/20/1996		11/12/1996										
8826	SRS31306	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	1/13/1986	5/24/2006	12/5/1996	5/24/2006	5/30/1997										
8827	SRS31310	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/13/1986		11/30/1998		5/25/1999										
8828	SRS31313	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/13/1986		12/30/1998		6/24/1999										
8829	SRS31315	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/15/1986		2/4/1999		7/30/1999										
8830	SRS31317	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	1/30/1986	3/4/2006		3/4/2006		SWD061082 re-named and WS reassigned from SR-SWME-HET-A		TRUE	FALSE	TRUE					
8831	SRS31317A	SSG	APPROVED_CERT		8/23/2011 6:08	morrey	SR-W026-772F-HET	$5300			3/4/2006		3/4/2006												
8832	SRS31320	SSG	EMPLACED_CNTR	2/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/30/1986		11/19/1998		5/11/1999										
8833	SRS31322	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/30/1986		1/4/1999		6/29/1999										
8834	SRS31325	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/30/1986		1/27/1999		7/22/1999										
8835	SRS31328	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	10/14/1985	10/14/1985		9/14/2005											
8836	SRS31331	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	1/30/1986		12/17/1998		6/11/1999										
8837	SRS31333	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	1/30/1986	1/30/1986		5/9/2004											
8838	SRS31336	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-773F-HET	$5300		0	2/4/1986		1/28/1999		7/23/1999										
8839	SRS31338	SSG	EMPLACED_CNTR	4/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	2/4/1986	2/4/1986		4/25/2005											
8840	SRS31341	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	2/4/1986		1/13/1999		7/8/1999										
8841	SRS31343	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	2/7/1986	6/25/2005		6/25/2005											
8842	SRS31346	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	2/7/1986	10/19/2007		10/19/2007											
8843	SRS31349	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	2/7/1986	2/7/1986		7/21/2004											
8844	SRS31351	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Vent	0	3/5/1986	3/5/1986		9/1/2006											
8845	SRS31354	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	3/5/1986	6/6/2006	1/4/1999	6/6/2006	6/29/1999										
8846	SRS31358	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	3/5/1986		1/11/1999		7/6/1999										
8847	SRS31361	SSG	EMPLACED_CNTR	9/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	3/5/1986	8/2/2007	3/5/1986	8/2/2007	8/28/1986										
8848	SRS31364	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	3/5/1986		1/11/1999		7/6/1999										
8849	SRS31366	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	3/5/1986	3/5/1986		5/31/2004											
8850	SRS31367	SSG	EMPLACED_CNTR	6/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	V&P Purge	0	3/5/1986	3/5/1986		5/30/2004											
8851	SRS31368	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300	Remediate	1	3/6/1986	6/5/2006	2/4/1999	6/5/2006	7/30/1999										
8852	SRS31370	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	$5300		0	3/6/1986		1/5/1999		6/30/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8853	SR531373	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	1/6/1986		1/27/1999		7/22/1999										
8854	SR531376	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/7/1986		10/9/1996		4/3/1997										
8855	SR531378	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	1/7/1986		10/26/1998		4/20/1999										
8856	SR531381	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/11/1986		12/28/1998		6/22/1999										
8857	SR531386	SSG	EMPLACED_CNTR	4/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/11/1986	3/11/1986		12/28/2007											
8858	SR531391	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	3/11/1986	6/30/2004	10/17/1996	6/30/2004	4/11/1997										
8859	SR531394	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	3/11/1986	3/11/1986		1/4/2008											
8860	SR531396	SSG	EMPLACED_CNTR	2/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/11/1986		12/9/1998		6/3/1999										
8861	SR531564	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/6/1986		12/16/1998		6/10/1999										
8862	SR531566	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/6/1986		1/21/1999		7/16/1999										
8863	SR531598	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	3/5/1986	3/5/1986		5/28/2004											
8864	SR531602	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/11/1986		12/16/1998		6/10/1999										
8865	SR531603	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/11/1986		10/9/1996		4/3/1997										
8866	SR531607	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	3/11/1986	6/27/2004	12/9/1998	6/27/2004	6/3/1999										
8867	SR540660	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/18/1986	4/18/1986		7/21/2004											
8868	SR540663	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/18/1986		12/30/1998		6/24/1999										
8869	SR540666	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/23/1986		12/30/1998		6/24/1999										
8870	SR540670	SSG	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/14/1986	4/14/1986		7/16/2004											
8871	SR540673	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/21/1986	4/11/1986		5/10/2004											
8872	SR540675	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	5/7/1986		9/10/1996		3/5/1997										
8873	SR540677	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/7/1986		12/30/1998		6/24/1999										
8874	SR540679	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	5/7/1986	6/21/2004	10/9/1996	6/21/2006	4/3/1997										
8875	SR540682	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	4/11/1986	4/11/1986		5/10/2004											
8876	SR540684	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/11/1986	4/11/1986		5/13/2004											
8877	SR540688	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/25/1986		10/1/1996		3/26/1997										
8878	SR540696	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	5/8/1986	5/8/1986		5/9/2004											
8879	SR541129	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	3/24/1986	3/24/1986		5/14/2004											
8880	SR541132	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	3/24/1986	6/6/2006	12/14/1996	6/6/2006	6/8/1999										
8881	SR541135	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	3/24/1986		12/30/1998		6/24/1999										
8882	SR541138	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	3/24/1986	3/24/1986		5/13/2004											
8883	SR541154	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/2/1986		1/21/1999		7/16/1999										
8884	SR541158	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	3/24/1986	3/24/1986		5/13/2004											
8885	SR541163	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	4/2/1986	4/2/1986	1/27/1999	10/17/2003	7/23/1999										
8886	SR541165	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/2/1986	4/2/1986		10/14/2004											
8887	SR541169	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/2/1986		11/11/1998		5/6/1999										
8888	SR541173	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	4/2/1986	4/2/1986		11/24/2006											
8889	SR541176	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	4/2/1986	4/2/1986		10/13/2004											
8890	SR541179	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/9/1986		1/11/1999		7/6/1999										
8891	SR541182	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/11/1986		1/11/1999		7/6/1999										
8892	SR541185	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	4/9/1986		1/7/1999		7/2/1999										
8893	SR541187	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/9/1986	4/9/1986		7/20/2004											
8894	SR541189	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/9/1986	4/9/1986		7/11/2004											
8895	SR541191	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	4/9/1986	4/9/1986		7/20/2004											
8896	SR541193	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/10/1986	4/10/1986		7/20/2004											
8897	SR541196	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/23/1986	4/23/1986		7/14/2004											
8898	SR541198	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	4/23/1986	4/23/1986		7/16/2004											
8899	SR541801	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		7/22/2004											
8900	SR541804	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		7/1/2004											
8901	SR541810	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	6/3/1986		10/21/1998		4/15/1999										
8902	SR541812	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		7/1/2004											
8903	SR541814	SSG	EMPLACED_CNTR	5/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	6/10/1986	9/24/2007	11/4/2003	9/24/2007	4/28/2004										
8904	SR541817	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		6/13/2004											
8905	SR541819	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/16/2004											
8906	SR541822	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/3/1986	6/3/1986		8/30/2007											
8907	SR541825	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	6/3/1986		10/21/1998		4/15/1999										
8908	SR541827	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	6/3/1986		10/21/1998		4/15/1999										
8909	SR541829	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	7/10/1986		7/10/1986		1/2/1987										
8910	SR541831	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/14/2004											
8911	SR541836	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/3/1986	6/3/1986		5/15/2004											
8912	SR541838	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/17/2004											
8913	SR541842	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/3/1986	6/3/1986		5/14/2004											
8914	SR541844	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986	1/15/2004	1/15/2004	7/9/2004										
8915	SR541849	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/14/2004				TRUE	TRUE	TRUE					
8916	SR541852	SSG			4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	5/29/1986		5/29/1986		11/21/1986										
8917	SR541873	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	6/3/1986		10/21/1998		4/15/1999										
8918	SR541875	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/15/2004											
8919	SR541879	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/3/1986	6/3/1986		5/18/2004											
8920	SR541882	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	6/3/1986		10/21/1998		4/15/1999										
8921	SR541884	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/10/1986	6/10/1986		2/3/2004											
8922	SR541887	SSG	EMPLACED_CNTR	3/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/10/1986	6/10/1986	11/4/2003	11/4/2003	4/28/2004										
8923	SR541890	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/10/1986	6/10/1986		2/4/2004											
8924	SR541894	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/10/1986	6/10/1986		2/15/2004											
8925	SR541897	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Purge	0	6/10/1986	6/10/1986		2/15/2004											
8926	SR541900	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	6/10/1986	6/10/1986		2/4/2004											
8927	SR542401	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-MET	S5300		0	8/21/1986		8/21/1986		2/13/1987										
8928	SR542404	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W028-772F-MET	S5300		0	9/8/1986		9/8/1986		3/4/1987										
8929	SR542407	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/9/1986		9/9/1986		3/4/1987										
8930	SR542410	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/9/1986		9/9/1986		3/4/1987										
8931	SR542413	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/9/1986		9/9/1986		3/4/1987										
8932	SR542415	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/18/1986		9/18/1986		3/13/1987										
8933	SR542421	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	V&P Vent	0	9/18/1986	9/18/1986	9/18/1986	6/1/2007	3/13/1987										
8934	SR542424	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/18/1986		9/18/1986		3/13/1987										
8935	SR542427	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/18/1986		9/18/1986		3/13/1987										
8936	SR542431	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/10/1986		9/10/1986		3/5/1987										
8937	SR542434	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	9/9/1986	7/12/2006	9/9/1986	7/12/2006	3/4/1987										
8938	SR542437	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/30/1986		9/30/1986		3/25/1987										
8939	SR542440	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300		0	9/30/1986		9/30/1986		3/25/1987										
8940	SR542443	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-MET	S5300	Remediate	1	9/30/1986	10/3/2006	9/30/1986	10/3/2006	3/25/1987										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
8941	SR542446	SSG	EMPLACED_CNTR	8/19/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/16/1986		9/16/1986		3/11/1987										
8942	SR542449	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/27/1987										
8943	SR542452	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/27/1987										
8944	SR542455	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/27/1987										
8945	SR542458	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/17/1987										
8946	SR542460	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/17/1987										
8947	SR542463	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/2/1986		10/2/1986		3/17/1987										
8948	SR542471	SSG	EMPLACED_CNTR	6/19/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8949	SR542474	SSG	EMPLACED_CNTR	9/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8950	SR542477	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8951	SR542480	SSG	EMPLACED_CNTR	2/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8952	SR542483	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8953	SR542489	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8954	SR542492	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/9/1986		10/9/1986		4/3/1987										
8955	SR542495	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/28/1986		10/28/1986		4/22/1987										
8956	SR542497	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/28/1986	7/31/2007	10/28/1986	7/31/2007	4/22/1987										
8957	SR542499	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/23/1986		12/24/1986		6/17/1987										
8958	SR544304	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	6/10/1986		10/20/1998		4/14/1999										
8959	SR544306	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/10/1986	4/11/2008	11/14/2003	4/11/2008	5/8/2004										
8960	SR544310	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/10/1986		7/10/1986		1/2/1987										
8961	SR544315	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986	7/1/1986	7/1/1986	10/19/2004	12/24/1986										
8962	SR544317	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986	7/1/1986	7/1/1986	10/19/2004	12/24/1986										
8963	SR544319	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986	7/1/1986	7/1/1986	4/2/2005	12/24/1986										
8964	SR544322	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/1/1986	7/1/1986	7/1/1986	12/1/2005	12/24/1986										
8965	SR544324	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/1/1986	7/1/1986	7/1/1986	4/2/2005	12/24/1986										
8966	SR544325	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/1/1986	7/1/1986	7/1/1986	10/9/2006	12/24/1986										
8967	SR544329	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986	7/1/1986	7/1/1986	4/2/2005	12/24/1986										
8968	SR544331	SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986		7/1/1986	10/20/2004	12/24/1986										
8969	SR544338	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/1/1986		12/29/1998		6/23/1999										
8970	SR544342	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	7/1/1986	7/1/1986	7/1/1986	11/1/2004	12/24/1986										
8971	SR544345	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/10/1986	7/19/1986	7/10/1986	10/30/2003	1/2/1987										
8972	SR544347	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	7/17/1986	7/17/1986	7/17/1986	8/17/2006	1/9/1987										
8973	SR544349	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/17/1986		7/17/1986		1/9/1987										
8974	SR544351	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/17/1986		7/17/1986		1/9/1987										
8975	SR544353	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/17/1986		7/17/1986		1/9/1987										
8976	SR544355	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/17/1986		7/17/1986		1/9/1987										
8977	SR544357	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/1/1986		7/1/1986		12/24/1986										
8978	SR544359	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/14/1986		8/14/1986		2/6/1987										
8979	SR544362	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/14/1986		8/14/1986		2/6/1987										
8980	SR544365	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/21/1986		8/21/1986		2/13/1987										
8981	SR544368	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/6/1986	8/6/1986	8/6/1986	8/5/2007	1/29/1987										
8982	SR544372	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/14/1986		8/14/1986		2/6/1987										
8983	SR544377	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/14/1986		8/14/1986		2/6/1987										
8984	SR544380	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/21/1986		10/20/1998		4/14/1999										
8985	SR544383	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/21/1986		8/21/1986		2/13/1987										
8986	SR544386	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	8/21/1986	11/6/2006	8/21/1986	11/6/2006	2/13/1987										
8987	SR544389	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/7/1986		8/7/1986		1/30/1987										
8988	SR544392	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/21/1986		8/21/1986		2/13/1987										
8989	SR544394	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	9/9/1986	9/18/2006	9/9/1986	9/18/2006	1/4/1987										
8990	SR546001	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/15/1987		12/15/1987		6/8/1988										
8991	SR546002	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/15/1987		12/15/1987		6/8/1988										
8992	SR546003	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/26/1988	6/27/2004	1/26/1988	6/27/2004	7/20/1988										
8993	SR546005	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	11/24/1989	7/13/2006	11/24/1989	7/13/2006	5/19/1990										
8994	SR546007	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/26/1988		1/26/1988		7/20/1988										
8995	SR546008	SSG	EMPLACED_CNTR	7/28/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
8996	SR546012	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/26/1988		1/26/1988		7/20/1988										
8997	SR546014	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/26/1988	3/16/2006	1/26/1988	3/16/2006	7/20/1988										
8998	SR546016	SSG	EMPLACED_CNTR	3/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/1/1987		12/1/1987		5/25/1988										
8999	SR546018	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	1/26/1988	4/5/2006	1/26/1988	4/5/2006	7/20/1988										
9000	SR546020	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	12/21/1987	11/21/2004	12/21/1987	11/21/2004	6/14/1988										
9001	SR546022	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/8/1988										
9002	SR546025	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9003	SR546027	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9004	SR546030	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/21/1987		12/21/1987		6/14/1988										
9005	SR546033	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/26/1988		1/26/1988		7/20/1988										
9006	SR546034	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/12/1988	7/13/2006	2/12/1988	7/13/2006	8/8/1988										
9007	SR546036	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/8/1988										
9008	SR546038	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/8/1988										
9009	SR546039	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/24/1988		3/24/1988		9/16/1988										
9010	SR546043	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/24/1988		3/24/1988		9/14/1988										
9011	SR546046	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/24/1988		3/24/1988		9/16/1988										
9012	SR546050	SSG	EMPLACED_CNTR	8/19/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/24/1988		3/24/1988		9/16/1988										
9013	SR546053	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/24/1988		3/24/1988		9/16/1988										
9014	SR546055	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/25/1988		4/25/1988		10/14/1988										
9015	SR546057	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/25/1988		4/25/1988		10/14/1988										
9016	SR546060	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9017	SR546062	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9018	SR546063	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/12/1988	7/17/2006	2/12/1988	7/17/2006	8/5/1988										
9019	SR546067	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/12/1988	6/6/2006	2/12/1988	6/6/2006	8/5/1988										
9020	SR546069	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	2/12/1988	2/12/1988	2/12/1988	8/7/2007	8/5/1988										
9021	SR546073	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9022	SR546076	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9023	SR546077	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/12/1988		2/12/1988		8/5/1988										
9024	SR546082	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	3/2/1988		3/2/1988		8/25/1988										
9025	SR546083	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/5/1988	2/23/2006	2/5/1988	2/23/2006	7/30/1988										
9026	SR546083A	SSG	APPROVED_CERT		8/23/2011 6:08	morris	SR-W026-772F-HET	SS300			2/23/2006		2/23/2006			SWD061026 renamed and WS reassigned from SR SWME-HET A		TRUE	FALSE	TRUE						
9027	SR546085	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/5/1988		2/5/1988		7/30/1988										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9028	SR546087	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	2/5/1988		2/5/1988		7/30/1968										
9029	SR546088	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	1/25/1968		1/25/1988		7/19/1968										
9030	SR546091	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	1/26/1968		1/26/1988		7/20/1968										
9031	SR546093	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	1/14/1988		1/14/1988		7/9/1968										
9032	SR546096	SSG	EMPLACED_CNTR	3/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	2/10/1968		2/10/1988		8/4/1968										
9033	SR546098	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/26/1988		8/26/1988		2/18/1969										
9034	SR546099	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	2/16/1988		2/16/1988		8/10/1968										
9035	SR546100	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	2/12/1988		2/12/1988		8/6/1968										
9036	SR546101	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	3/23/1988		3/23/1988		9/15/1968										
9037	SR546104	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	4/12/1988		4/12/1988		10/5/1968										
9038	SR546106	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	4/12/1988		4/12/1988		10/5/1968										
9039	SR546109	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	3/22/1968		3/22/1988		9/14/1968										
9040	SR546110	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	3/27/1968		3/27/1988		9/19/1968										
9041	SR546111	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	4/25/1968		4/25/1988		10/18/1968										
9042	SR546113	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	4/25/1968	7/11/2006	4/25/1988	7/11/2006	10/18/1968										
9043	SR546116	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/10/1988		5/10/1968		11/2/1968										
9044	SR546119	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/10/1988		5/10/1968		11/2/1968										
9045	SR546122	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/5/1988		5/5/1988		10/28/1968										
9046	SR546124	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/5/1968		5/5/1988		10/28/1968										
9047	SR546126	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/5/1968		5/5/1988		10/28/1968										
9048	SR546127	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	-	0	5/5/1968		5/5/1988		10/28/1968										
9049	SR546129	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	5/5/1968		5/5/1988		10/28/1968										
9050	SR546131	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	6/7/1968		6/7/1988		11/30/1968										
9051	SR546134	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	6/7/1968		6/7/1988		11/30/1968										
9052	SR546140	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	5/10/1988	5/10/1988	5/10/1988	12/30/2007	11/2/1968										
9053	SR546148	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	6/7/1968		6/7/1988		11/30/1968										
9054	SR546149	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	6/7/1968		6/7/1988		11/30/1968										
9055	SR546154	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	6/7/1968		6/7/1988		11/30/1968										
9056	SR546155	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	12/13/1988		12/13/1988		6/7/1989										
9057	SR546157	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	6/7/1968	6/6/2006	6/7/1988	6/6/2006	11/30/1968										
9058	SR546159	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	7/27/1968	4/3/2006	7/27/1988	4/3/2006	1/19/1989										
9059	SR546161	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9060	SR546163	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9061	SR546164	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9062	SR546166	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9063	SR546168	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9064	SR546169	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9065	SR546170	SSG	EMPLACED_CNTR	2/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9066	SR546172	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9067	SR546182	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/31/1968		8/31/1988		2/23/1989										
9068	SR546183	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9069	SR546185	SSG	EMPLACED_CNTR	8/14/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/27/1968		7/27/1988		1/19/1989										
9070	SR546187	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	5/10/1968	5/10/1988	5/10/1968	1/2/2008	11/2/1968										
9071	SR546190	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Purge	0	5/10/1968	5/10/1988	5/10/1968	1/2/2008	11/2/1968										
9072	SR546193	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	5/9/1968	5/9/1988	5/9/1968	1/2/2008	11/1/1968										
9073	SR546194	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/30/1988		8/30/1988		2/22/1989										
9074	SR546195	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/6/1968		10/6/1988		3/31/1989										
9075	SR546197	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/28/1968		7/28/1988		1/20/1989										
9076	SR546200	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/30/1968		8/30/1988		2/12/1969										
9077	SR546402	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9078	SR546403	SSG	EMPLACED_CNTR	2/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/28/1967		7/28/1987		1/20/1968										
9079	SR546404	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	7/17/1967	11/16/2006	7/17/1987	11/16/2006	1/9/1968										
9080	SR546406	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9081	SR546408	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/28/1967		7/28/1987		1/20/1968										
9082	SR546412	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9083	SR546413	SSG	EMPLACED_CNTR	10/21/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	7/28/1967	6/5/2006	7/28/1987	6/5/2006	1/20/1968										
9084	SR546416	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9085	SR546418	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	7/28/1967		7/28/1987		1/20/1968										
9086	SR546419	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9087	SR546420	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9088	SR546421	SSG	EMPLACED_CNTR	2/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9089	SR546422	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9090	SR546424	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	8/17/1967	8/17/1967	8/17/1987	2/17/2007	2/9/1968										
9091	SR546427	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9092	SR546428	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	8/17/1967	3/2/2006	8/17/1987	3/2/2006	2/9/1968										
9093	SR546430	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9094	SR546432	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9095	SR546434	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	8/17/1967		8/17/1987		2/9/1968										
9096	SR546435	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	9/1/1967	3/7/2006	9/1/1987	3/7/2006	2/24/1988										
9097	SR546437	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	9/1/1967		9/1/1987		2/24/1988										
9098	SR546440	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	9/1/1967		9/1/1987		2/24/1988										
9099	SR546443	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	9/1/1967		9/1/1987		2/24/1988										
9100	SR546446	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	9/1/1967		9/1/1987		2/24/1988										
9101	SR546448	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9102	SR546449	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	1/26/1988		1/26/1988		7/20/1988										
9103	SR546452	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9104	SR546453	SSG	EMPLACED_CNTR	2/26/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9105	SR546455	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	10/27/1967	2/26/2007	10/27/1987	2/26/2007	4/20/1988										
9106	SR546458	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9107	SR546460	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9108	SR546462	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	Remediate	1	10/27/1967	8/21/2007	10/27/1987	8/21/2007	4/20/1988										
9109	SR546465	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9110	SR546468	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9111	SR546472	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9112	SR546473	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	9/14/1967		9/14/1987		3/8/1988										
9113	SR546475	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	10/27/1967		10/27/1987		4/20/1988										
9114	SR546478	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300	V&P Vent	0	2/12/1968	2/12/1988	2/12/1988	8/7/2007	8/6/1968										
9115	SR546481	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WMIS_Updt	SR-WO26-772F-HET	SS300		0	1/26/1968		1/26/1988		7/20/1968										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9116	SR546483	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/15/1987	7/18/2006	12/15/1987	7/18/2006	6/8/1988										
9117	SR546485	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/15/1987		12/15/1987		6/8/1988										
9118	SR546486	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/15/1987		12/15/1987		6/8/1988										
9119	SR546490	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/15/1987		12/15/1987		6/8/1988										
9120	SR546491	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/15/1987		12/15/1987		6/8/1988										
9121	SR546493	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/15/1987	8/12/2006	12/15/1987	8/12/2006	6/8/1988										
9122	SR546495	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/15/1987	3/16/2006	12/15/1987	3/16/2006	6/8/1988										
9123	SR546497	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/15/1987		12/15/1987		6/8/1988										
9124	SR548501	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/28/1986		10/28/1986		4/22/1987										
9125	SR548504	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/21/1986	3/13/2006	10/21/1986	3/13/2006	4/15/1987										
9126	SR548506	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/21/1986		10/21/1986		4/15/1987										
9127	SR548508	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/21/1986		10/21/1986		4/15/1987										
9128	SR548512	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/21/1986		10/21/1986		4/15/1987										
9129	SR548515	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/29/1986		9/29/1986		3/24/1987										
9130	SR548520	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/28/1986	10/28/1986	10/28/1986	5/13/2007	4/22/1987										
9131	SR548522	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/28/1986	10/28/1986	10/28/1986	5/22/2007	4/22/1987										
9132	SR548524	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/21/1986		10/21/1986		4/15/1987										
9133	SR548528	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/28/1986	10/28/1986	10/28/1986	5/12/2007	4/22/1987										
9134	SR548531	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/28/1986	12/26/2007	10/28/1986	12/26/2007	4/22/1987										
9135	SR548534	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/28/1986	10/28/1986	10/28/1986	5/25/2007	4/22/1987										
9136	SR548537	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9137	SR548540	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9138	SR548542	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	10/28/1986	10/28/1986	10/28/1986	5/22/2007	4/22/1987										
9139	SR548550	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9140	SR548552	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9141	SR548555	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9142	SR548558	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/23/1986	3/26/2006	12/23/1986	3/26/2006	6/17/1987										
9143	SR548560	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9144	SR548563	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9145	SR548565	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9146	SR548567	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9147	SR548569	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9148	SR548571	SSG	EMPLACED_CNTR	2/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9149	SR548574	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9150	SR548576	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9151	SR548578	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/23/1986		12/23/1986		6/17/1987										
9152	SR548582	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9153	SR548587	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9154	SR548589	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9155	SR548591	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9156	SR548594	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/10/1987		2/10/1987		8/5/1987										
9157	SR548596	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9158	SR548600	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/22/1987		1/22/1987		7/17/1987										
9159	SR548602	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/29/1987		1/29/1987		7/24/1987										
9160	SR548605	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/29/1987		1/29/1987		7/24/1987										
9161	SR548608	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	1/29/1987	7/19/2006	1/29/1987	7/19/2006	7/24/1987										
9162	SR548611	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	3/3/1987	3/3/1987	3/3/1987	2/22/2004	8/26/1987										
9163	SR548614	SSG	EMPLACED_CNTR	3/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9164	SR548617	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/1987		3/11/1987		9/3/1987										
9165	SR548621	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	2/10/1987	2/10/1987	2/10/1987	11/16/2006	8/5/1987										
9166	SR548624	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/29/1987		1/29/1987		7/24/1987										
9167	SR548626	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/29/1987		1/29/1987		7/24/1987										
9168	SR548629	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/29/1987		1/29/1987		7/24/1987										
9169	SR548632	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	2/10/1987	10/11/2006	2/10/1987	10/11/2006	8/5/1987										
9170	SR548635	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/10/1987		2/10/1987		8/5/1987										
9171	SR548638	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/10/1987		2/10/1987		8/5/1987										
9172	SR548641	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/10/1987		2/10/1987		8/5/1987										
9173	SR548643	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9174	SR548646	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9175	SR548649	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9176	SR548651	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/30/1987		1/30/1987		7/25/1987										
9177	SR548657	SSG	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	1/16/1987		1/16/1987		7/13/1987										
9178	SR548659	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9179	SR548663	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/1987		3/11/1987		9/3/1987										
9180	SR548665	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9181	SR548668	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/1987		3/11/1987		9/3/1987										
9182	SR548670	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9183	SR548673	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9184	SR548676	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/3/1987		3/3/1987		8/26/1987										
9185	SR548680	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9186	SR548684	SSG	EMPLACED_CNTR	3/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9187	SR548686	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	2/9/1987		2/9/1987		8/4/1987										
9188	SR548688	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9189	SR548690	SSG	EMPLACED_CNTR	2/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9190	SR548692	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9191	SR548695	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/1987		3/11/1987		9/3/1987										
9192	SR548699	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/11/1987		3/11/1987		9/3/1987										
9193	SR548701	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/27/1987	10/19/2006	5/27/1987	10/19/2006	11/19/1987										
9194	SR548703	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/27/1987		5/27/1987		11/19/1987										
9195	SR548706	SSG	EMPLACED_CNTR	2/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/27/1987		5/27/1987		11/19/1987										
9196	SR548709	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/27/1987		5/27/1987		11/19/1987										
9197	SR548711	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	5/27/1987	5/21/2006	5/27/1987	5/21/2006	11/19/1987										
9198	SR548714	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	5/27/1987		5/27/1987		11/19/1987										
9199	SR548717	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/9/1987		6/9/1987		12/2/1987										
9200	SR548720	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	V&P Vent	0	6/9/1987	6/9/1987	6/9/1987	8/7/2007	12/2/1987										
9201	SR548723	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/9/1987		6/9/1987		12/2/1987										
9202	SR548725	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9203	SR548728	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/9/1987		6/9/1987		12/2/1987										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9204	SR548730	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/9/1987		6/9/1987		12/2/1987										
9205	SR548732	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	6/9/1987		6/9/1987		12/2/1987										
9206	SR548735	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9207	SR548738	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	8/17/1987		8/17/1987		2/9/1988										
9208	SR548739	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/17/1987	6/14/2006	7/17/1987	6/14/2006	1/9/1988										
9209	SR548740	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/17/1987	10/17/2006	7/17/1987	10/17/2006	1/9/1988										
9210	SR548742	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9211	SR548743	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9212	SR548748	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/28/1987		7/28/1987		1/10/1988										
9213	SR548749	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/28/1987	3/6/2007	7/28/1987	3/6/2007	1/10/1988										
9214	SR548752	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9215	SR548753	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/28/1987		7/28/1987		1/20/1988										
9216	SR548758	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/28/1987		7/28/1987		1/20/1988										
9217	SR548762	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9218	SR548763	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9219	SR548767	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	7/17/1987	10/25/2006	7/17/1987	10/25/2006	1/9/1988										
9220	SR548770	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9221	SR548773	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	7/17/1987		7/17/1987		1/9/1988										
9222	SR548778	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/1/1987		9/1/1987		2/24/1988										
9223	SR548779	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	9/1/1987		9/1/1987		2/24/1988										
9224	SR548781	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9225	SR548784	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9226	SR548787	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9227	SR548789	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9228	SR548792	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/15/1987	10/18/2006	12/15/1987	10/18/2006	6/8/1988										
9229	SR548793	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9230	SR548794	SSG	EMPLACED_CNTR	3/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9231	SR548796	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/12/1987		10/12/1987		4/5/1988										
9232	SR548797	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	10/12/1987	6/30/2004	10/12/1987	6/30/2004	4/5/1988										
9233	SR549005	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/20/1987		3/20/1987		9/12/1987										
9234	SR549009	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9235	SR549012	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9236	SR549015	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9237	SR549020	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9238	SR549024	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	3/27/1987	4/9/2007	3/27/1987	4/9/2007	9/19/1987										
9239	SR549026	SSG	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9240	SR549034	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9241	SR549039	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9242	SR549042	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9243	SR549060	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9244	SR549063	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/27/1987		3/27/1987		9/19/1987										
9245	SR549066	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9246	SR549068	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9247	SR549070	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/8/1987	10/5/2006	4/8/1987	10/5/2006	10/1/1987										
9248	SR549071	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9249	SR549074	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9250	SR549077	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9251	SR549080	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/8/1987	4/3/2006	4/8/1987	4/3/2006	10/1/1987										
9252	SR549083	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9253	SR549090	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9254	SR549093	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9255	SR549096	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9256	SR549204	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	8/31/1988	4/3/2006	8/31/1988	4/3/2006	2/13/1989										
9257	SR549206	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/6/1988		10/6/1988		3/31/1989										
9258	SR549208	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/6/1988		10/6/1988		3/31/1989										
9259	SR549211	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/6/1988		10/6/1988		3/31/1989										
9260	SR549213	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/6/1988		10/6/1988		3/31/1989										
9261	SR549218	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/13/1988		10/13/1988		4/7/1989										
9262	SR549220	SSG	EMPLACED_CNTR	1/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/13/1988		10/13/1988		4/7/1989										
9263	SR549223	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/15/1988		10/15/1988		4/9/1989										
9264	SR549226	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/13/1988		10/13/1988		4/7/1989										
9265	SR549228	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9266	SR549229	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/13/1988		10/13/1988		4/7/1989										
9267	SR549231	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/15/1988		11/15/1988		5/10/1989										
9268	SR549236	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/15/1988		11/15/1988		5/10/1989										
9269	SR549238	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/15/1988		11/15/1988		5/10/1989										
9270	SR549240	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	11/15/1988	6/2/2006	11/15/1988	6/2/2006	5/10/1989										
9271	SR549242	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	10/10/1988		10/10/1988		4/4/1989										
9272	SR549248	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	11/15/1988		11/15/1988		5/10/1989										
9273	SR549250	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9274	SR549252	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9275	SR549253	SSG	EMPLACED_CNTR	9/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	12/13/1988	4/17/2006	12/13/1988	4/17/2006	6/7/1989										
9276	SR549254	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9277	SR549256	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9278	SR549261	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	12/13/1988		12/13/1988		6/7/1989										
9279	SR549266	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/31/1989		3/31/1989		9/23/1989										
9280	SR549286	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/31/1989		3/31/1989		9/23/1989										
9281	SR549289	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/31/1989		3/31/1989		9/23/1989										
9282	SR549291	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/21/1989		4/21/1989		10/14/1989										
9283	SR549294	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	3/31/1989		3/31/1989		9/23/1989										
9284	SR549295	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/21/1989		4/21/1989		10/14/1989										
9285	SR549297	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/21/1989		4/21/1989		10/14/1989										
9286	SR549300	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9287	SR549401	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9288	SR549403	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9289	SR549406	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9290	SR549409	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300		0	4/8/1987		4/8/1987		10/1/1987										
9291	SR549412	SSG	EMPLACED_CNTR	12/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	55300	Remediate	1	4/8/1987	7/17/2006	4/8/1987	7/17/2006	10/1/1987										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9292	SR549415	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/8/1987		4/8/1987		10/1/1987										
9293	SR549418	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1987	11/1/2006	5/12/1987	11/1/2006	11/4/1987										
9294	SR549421	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1987	11/14/2006	5/12/1987	11/14/2006	11/4/1987										
9295	SR549424	SSG	EMPLACED_CNTR	3/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9296	SR549427	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9297	SR549430	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1987	11/28/2006	5/12/1987	11/28/2006	11/4/1987										
9298	SR549432	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9299	SR549435	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1987	10/6/2006	5/12/1987	10/6/2006	11/4/1987										
9300	SR549438	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9301	SR549441	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9302	SR549444	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9303	SR549447	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9304	SR549451	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9305	SR549454	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9306	SR549456	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9307	SR549458	SSG	EMPLACED_CNTR	2/22/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9308	SR549461	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/12/1987	8/6/2006	5/12/1987	8/6/2006	11/4/1987										
9309	SR549464	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9310	SR549467	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/12/1987		5/12/1987		11/4/1987										
9311	SR549471	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9312	SR549474	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/27/1987	3/2/2006	5/27/1987	3/2/2006	11/19/1987										
9313	SR549477	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9314	SR549481	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9315	SR549484	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9316	SR549487	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9317	SR549490	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9318	SR549492	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/27/1987		5/27/1987		11/19/1987										
9319	SR571003	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/21/1989		4/21/1989		10/14/1989										
9320	SR571005	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/5/1989	7/3/2006	5/5/1989	7/3/2006	10/28/1989										
9321	SR571007	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/5/1989	10/18/2006	5/5/1989	10/18/2006	10/28/1989										
9322	SR571007A	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1		10/18/2006		10/18/2006											
9323	SR571008	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	5/5/1989		5/5/1989		10/28/1989										
9324	SR571011	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/21/1989		4/21/1989		10/14/1989										
9325	SR571017	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/15/1989		8/15/1989		2/7/1990										
9326	SR571020	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	5/5/1989	4/6/2006	5/5/1989	4/6/2006	10/28/1989										
9327	SR571027	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/11/1989		8/11/1989		2/3/1990										
9328	SR571053	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/11/1989		8/11/1989		2/3/1990										
9329	SR571056	SSG	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/11/1989		8/11/1989		2/3/1990										
9330	SR571060	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/11/1989		8/11/1989		2/3/1990										
9331	SR571062	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	8/15/1989		8/15/1989		2/7/1990										
9332	SR571064	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9333	SR571065	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9334	SR571067	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9335	SR571071	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9336	SR571074	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9337	SR571076	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9338	SR571079	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9339	SR571082	SSG	EMPLACED_CNTR	3/25/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/31/1989	6/29/2004	7/31/1989	6/29/2004	1/23/1990										
9340	SR571084	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9341	SR571088	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9342	SR571090	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9343	SR571091	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9344	SR571093	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	7/31/1989		7/31/1989		1/23/1990										
9345	SR571096	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9346	SR571098	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9347	SR571100	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9348	SR571101	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9349	SR571103	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9350	SR571108	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9351	SR571109	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9352	SR571112	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9353	SR571114	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	10/30/1989	10/30/2005	10/30/1989	10/30/2005	4/24/1990										
9354	SR571116	SSG	EMPLACED_CNTR	1/2/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9355	SR571118	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/30/1989		10/30/1989		4/24/1990										
9356	SR571120	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/30/1989		10/30/1989		4/24/1990										
9357	SR571121	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	9/28/1989		9/28/1989		3/23/1990										
9358	SR571125	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/30/1989		10/30/1989		4/24/1990										
9359	SR571127	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	10/30/1989		10/30/1989		4/24/1990										
9360	SR571129	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/16/1989		11/16/1989		5/11/1990										
9361	SR571131	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/26/1990		11/26/1990		5/21/1991										
9362	SR571133	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/8/1990		2/8/1990		8/3/1990										
9363	SR571135	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/3/1990		12/3/1990		5/28/1991										
9364	SR571136	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/8/1990		2/8/1990		8/3/1990										
9365	SR571138	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/7/1990		12/7/1990		6/3/1991										
9366	SR571140	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/8/1990		2/8/1990		8/3/1990										
9367	SR571141	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/8/1990		2/8/1990		8/3/1990										
9368	SR571143	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	12/7/1988		12/7/1988		8/1/1990										
9369	SR571144	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/8/1990	5/30/2006	2/8/1990	5/30/2006	8/3/1990										
9370	SR571148	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/12/1990		4/12/1990		10/5/1990										
9371	SR571149	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	1/26/1990		1/26/1990		7/21/1990										
9372	SR571151	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	2/8/1990		2/8/1990		8/3/1990										
9373	SR571153	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/12/1990		4/12/1990		10/5/1990										
9374	SR571154	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/12/1990		4/12/1990		10/5/1990										
9375	SR571157	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	4/20/1990		4/20/1990		10/13/1990										
9376	SR571159	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/8/1990		11/8/1990		5/3/1991										
9377	SR571161	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/8/1990		11/8/1990		5/3/1991										
9378	SR571162	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/26/1990		11/26/1990		5/21/1991										
9379	SR571165	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W026-772F-HET	SS300		0	11/8/1990		11/8/1990		5/3/1991										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9380	SR571168	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9381	SR571170	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1990		2/8/1990		8/3/1990										
9382	SR571171	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	7/19/1990		7/19/1990		1/11/1991										
9383	SR571172	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1990		11/8/1990		5/1/1991										
9384	SR571173	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9385	SR571175	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9386	SR571176	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1990		11/8/1990		5/3/1991										
9387	SR571179	SSG	EMPLACED_CNTR	9/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9388	SR571182	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9389	SR571184	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/12/1990		4/12/1990		10/5/1990										
9390	SR571185	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/12/1990		4/12/1990		10/5/1990										
9391	SR571188	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/12/1990		4/12/1990		10/5/1990										
9392	SR571190	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/12/1990		4/12/1990		10/5/1990										
9393	SR571192	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/20/1990		4/20/1990		10/13/1990										
9394	SR571195	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/22/1990		5/22/1990		11/14/1990										
9395	SR571196	SSG	EMPLACED_CNTR	2/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/22/1990		5/22/1990		11/14/1990										
9396	SR571199	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/8/1990		11/8/1990		5/3/1991										
9397	SR571200	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9398	SR571203	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9399	SR571206	SSG	EMPLACED_CNTR	2/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/26/1990		11/26/1990		5/21/1991										
9400	SR571209	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9401	SR571212	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9402	SR571215	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9403	SR571219	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9404	SR571220	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9405	SR571222	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9406	SR571224	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	12/17/1990		12/17/1990		6/11/1991										
9407	SR571228	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/14/1991		5/14/1991		11/6/1991										
9408	SR571229	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/14/1991		5/14/1991		11/6/1991										
9409	SR571230	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/14/1991		5/14/1991		11/6/1991										
9410	SR571233	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9411	SR571236	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9412	SR571238	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9413	SR571240	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9414	SR571243	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/20/1991		5/20/1991		11/12/1991										
9415	SR571245	SSG	EMPLACED_CNTR	2/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	5/14/1991		5/14/1991		11/6/1991										
9416	SR571247	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9417	SR571248	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9418	SR571250	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9419	SR571251	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/4/1990		1/4/1990		6/29/1990										
9420	SR571254	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/4/1990		1/4/1990		6/29/1990										
9421	SR571256	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/4/1990		1/4/1990		6/29/1990										
9422	SR571258	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	1/4/1990		1/4/1990		6/29/1990										
9423	SR571261	SSG	EMPLACED_CNTR	3/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	9/27/1991	9/27/1991	9/27/1991	9/17/2004	3/21/1992										
9424	SR571263	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9425	SR571265	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9426	SR571266	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9427	SR571271	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9428	SR571273	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9429	SR571276	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9430	SR571278	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	10/18/1991		10/18/1991		4/11/1992										
9431	SR571280	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1991		11/13/1991		5/7/1992										
9432	SR571282	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1991		11/13/1991		5/7/1992										
9433	SR571284	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/13/1991		11/13/1991		5/7/1992										
9434	SR571286	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/12/1991		11/12/1991		5/6/1992										
9435	SR571289	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9436	SR571292	SSG	EMPLACED_CNTR	2/20/2009	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9437	SR571295	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9438	SR571297	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9439	SR571300	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9440	SR571301	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	4/15/1992	7/1/2004	4/15/1992	7/1/2004	10/8/1992										
9441	SR571306	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/15/1992		4/15/1992		10/8/1992										
9442	SR571308	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9443	SR571309	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9444	SR571322	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9445	SR571328	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9446	SR571329	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9447	SR571331	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9448	SR571335	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9449	SR571339	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9450	SR571347A	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	11/20/2007		11/20/2007		5/14/2008										
9451	SR571359	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9452	SR571361	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9453	SR571362	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9454	SR571364	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9455	SR571367	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9456	SR571369	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9457	SR571372	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	9/21/1994		9/21/1994		3/16/1995										
9458	SR571379	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9459	SR571381	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/12/1994	6/16/2006	8/12/1994	6/16/2006	2/4/1995										
9460	SR571381A	SSG	APPROVED_CERT		5/18/2012 15:32	mccabed	SR-W026-772F-HET	S5300			6/16/2006		6/16/2006	8/26/2008		Container was previously assigned SWD061414; added ventdate1 per LWatson email 051712.		TRUE	FALSE	TRUE						
9461	SR571385	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9462	SR571387	SSG	EMPLACED_CNTR	5/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9463	SR571389	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9464	SR571391	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9465	SR571394	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	8/12/1994		8/12/1994		2/4/1995										
9466	SR57566	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	S5300		0	4/27/2000		4/27/2000		10/20/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9467	SR58017	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/14/2000		6/14/2000		12/7/2000										
9468	SR58024	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/14/2000		6/14/2000		12/7/2000										
9469	SR58046	SSG	EMPLACED_CNTR	10/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/14/2000	6/14/2000	6/14/2000	4/9/2004	12/7/2000										
9470	SR58063	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/26/2000	11/20/2004	4/26/2000	11/20/2004	10/19/2000										
9471	SR58295	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/14/2000	6/14/2000	6/14/2000	4/9/2004	12/7/2000										
9472	SR58524	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	6/14/2000	6/14/2000	6/14/2000	11/30/2004	12/7/2000										
9473	SR58529	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/14/2000		6/14/2000		12/7/2000										
9474	SR58567	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/14/2000		6/14/2000		12/7/2000										
9475	SR58580	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/14/2000		6/14/2000		12/7/2000										
9476	SR598202A	SWB	EMPLACED_CNTR	11/3/2012 12:44	7/16/2012 10:52	mccabed	SR-W026-772F-HET	SS300			6/29/2012		6/29/2012				- Rplgd was SR598202	TRUE	TRUE	TRUE			SR598202		Daughter
9477	SR598202B	SSG	EMPLACED_CNTR	11/15/2012 14:47	7/16/2012 15:10	mccabed	SR-W026-772F-HET	SS300			6/29/2012	7/16/2012	6/29/2012	7/16/2012		221-F-55006	- Rplgd was SR598202	TRUE	TRUE	TRUE			SR598202		Daughter
9478	SR598202C	SSG	EMPLACED_CNTR	4/4/2013 15:21	7/17/2012 16:37	mccabed	SR-W026-772F-HET	SS300			6/29/2012	7/17/2012	6/29/2012	7/17/2012		221-F-55006 Tru Drum Repackaging	- Rplgd was SR598202	TRUE	TRUE	TRUE			SR598202		Daughter
9479	SR598204A	SWB	EMPLACED_CNTR	4/26/2013 14:53	9/12/2012 15:30	mccabed	SR-W026-772F-HET	SS300			9/8/2012		9/8/2012				- Rplgd was SR598204	TRUE	TRUE	TRUE			SR598204		NA
9480	SR598204B	SSG	APPROVED_CERT		9/12/2012 15:31	mccabed	SR-W026-772F-HET	SS300			9/8/2012		9/8/2012				- Rplgd was SR598204	TRUE	TRUE	TRUE			SR598204		Daughter
9481	SR598204C	SSG	APPROVED_CERT		9/12/2012 15:31	mccabed	SR-W026-772F-HET	SS300			9/8/2012		9/8/2012				- Rplgd was SR598204	TRUE	TRUE	TRUE			SR598204		Daughter
9482	SR598204D	SSG	APPROVED_CERT		9/12/2012 15:32	mccabed	SR-W026-772F-HET	SS300			9/8/2012		9/8/2012				- Rplgd was SR598204	TRUE	TRUE	TRUE			SR598204		Daughter
9483	SR598206	SWB	EMPLACED_CNTR	10/9/2012 15:15	5/6/2012 12:26	mccabed	SR-W026-772F-HET	SS300	Remediation		3/12/1998	4/30/2012	3/12/1998	4/30/2012			- Rplgd into SR598206A - Rplgd into SR598206B - Rplgd into SR598206C - Rplgd into SR598206D - Rplgd into SR598206E - Rplgd into SR598206F	TRUE	TRUE	TRUE					
9484	SR598206A	SSG	APPROVED_CERT		5/6/2012 12:24	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012		4/30/2012				- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9485	SR598206B	SSG	EMPLACED_CNTR	7/10/2012 10:04	5/13/2012 17:49	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012	5/7/2012	4/30/2012	5/7/2012		221-F-55006 Tru Drum Repackaging	- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9486	SR598206C	SSG	EMPLACED_CNTR	10/25/2012 15:30	5/6/2012 12:25	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012		4/30/2012				- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9487	SR598206D	SSG	EMPLACED_CNTR	11/4/2012 13:30	5/6/2012 12:25	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012		4/30/2012				- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9488	SR598206E	SSG	EMPLACED_CNTR	11/4/2012 12:43	7/24/2012 14:01	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012	7/19/2012	4/30/2012	7/19/2012		221-F-55078 Tru Drum Repackaging	- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9489	SR598206F	SSG	EMPLACED_CNTR	7/10/2012 10:05	5/13/2012 17:49	mccabed	SR-W026-772F-HET	SS300	None		4/30/2012	5/7/2012	4/30/2012	5/7/2012		221-F-55006 Tru Drum Repackaging	- Rplgd was SR598206	TRUE	TRUE	TRUE			SR598206		Daughter
9490	SR598209	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/26/1998		8/26/1998		2/18/1999										
9491	SR598216	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/21/1998		9/21/1998		3/16/1999										
9492	SR598218	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1998		6/23/1998		12/16/1998										
9493	SR598221	SSG	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1998		6/23/1998		12/16/1998										
9494	SR598222	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1998		6/23/1998		12/16/1998										
9495	SR598225	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	5/4/1998	5/4/1998	5/4/1998	11/29/2004	10/27/1998										
9496	SR598226A	SWB	EMPLACED_CNTR	4/11/2013 15:41	9/19/2012 10:33	mccabed	SR-W026-772F-HET	SS300			9/15/2012		9/15/2012				- Rplgd was SR598226	TRUE	TRUE	TRUE			SR598226		Daughter
9497	SR598235	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/25/1998		8/25/1998		2/17/1999										
9498	SR598236	SSG	EMPLACED_CNTR	1/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	3/3/1998	9/3/1998	3/3/1998	4/9/2004	2/26/1999										
9499	SR598238	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/26/1998		8/26/1998		2/18/1999										
9500	SR606701	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9501	SR605704	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/18/1994		10/18/1994		4/12/1995										
9502	SR606705	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9503	SR606709	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9504	SR606711	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/12/1994		10/12/1994		4/6/1995										
9505	SR606714	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/21/1993	11/20/2004	7/21/1993	11/20/2004	1/13/1994										
9506	SR606717	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	7/21/1993		7/21/1993		1/13/1994										
9507	SR606719	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	7/21/1993	11/21/2004	7/21/1993	11/21/2004	1/13/1994										
9508	SR606725	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/29/1996		4/29/1996		10/22/1996										
9509	SR606728	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/29/1996		4/29/1996		10/22/1996										
9510	SR606779	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/16/1996		5/16/1996		11/8/1996										
9511	SR606733	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/29/1996	6/27/2004	4/29/1996	6/27/2004	10/22/1996										
9512	SR606734	SSG	EMPLACED_CNTR	8/31/2010 12:24	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	4/29/1996	6/30/2004	4/29/1996	6/30/2004	10/22/1996										
9513	SR606740	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1996		10/9/1996		4/3/1997										
9514	SR606743	SSG	EMPLACED_CNTR	3/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1996		10/9/1996		4/3/1997										
9515	SR606745	SSG	EMPLACED_CNTR	3/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1996		10/9/1996		4/3/1997										
9516	SR606748	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/22/1996		10/22/1996		4/16/1997										
9517	SR606752	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9518	SR606755	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9519	SR606756	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9520	SR606759	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9521	SR606761	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9522	SR606762	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9523	SR606766	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9524	SR606768	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/3/1995		11/3/1995		4/27/1996										
9525	SR606770	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	11/21/1995		11/21/1995		5/15/1996										
9526	SR606772	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	6/17/1997	11/10/2004	6/17/1997	11/10/2004	12/10/1997										
9527	SR606775	SSG	EMPLACED_CNTR	5/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	6/17/1997	6/17/1997	6/17/1997	11/15/2006	12/10/1997										
9528	SR606794	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/11/1996		9/11/1998		3/8/1999										
9529	SR606797	SSG	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1996		10/9/1996		4/3/1997										
9530	SR606798	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/9/1996		10/9/1996		4/3/1997										
9531	SR606814	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/23/1998		9/23/1998		12/16/1998										
9532	SR606815	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/22/1998		6/22/1998		12/15/1998										
9533	SR606817	SSG	EMPLACED_CNTR	8/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Tape verification	0	6/23/1998	1/19/2004	6/23/1998	1/19/2004	12/16/1998										
9534	SR606821	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/23/1998		6/23/1998		12/16/1998										
9535	SR606822	SSG	EMPLACED_CNTR	6/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	6/11/1998		6/11/1998		12/4/1998										
9536	SR606835	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	2/8/1999		2/8/1999		8/3/1999										
9537	SR606838	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	Remediate	1	2/8/1999	2/3/2006	2/8/1999	2/3/2006	8/3/1999										
9538	SR606844	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	8/26/1998		8/26/1998		2/18/1999										
9539	SR606849	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	8/25/1998	8/25/1998	8/25/1998	6/17/2004	2/17/1999										
9540	SR611403	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	4/29/2000		4/29/2000		10/23/2000										
9541	SR611407	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/1/2000		5/1/2000		10/24/2000										
9542	SR611411	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/1/2000		5/1/2000		10/24/2000										
9543	SR611418	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Purge	0	4/26/2000	4/26/2000	4/26/2000	9/12/2005	10/19/2000										
9544	SR611425	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/17/2000		5/17/2000		11/9/2000										
9545	SR611427	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	5/17/2000		5/17/2000		11/9/2000										
9546	SR611448	SSG	EMPLACED_CNTR	4/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	9/1/1998	9/1/1998	9/1/1998	11/27/2004	2/24/1999										
9547	SR612351	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/6/1999		10/6/1999		3/30/2000										
9548	SR612354	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	10/6/1999		10/6/1999		3/30/2000										
9549	SR612356	SSG	EMPLACED_CNTR	6/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300	V&P Vent	0	10/6/1999	10/6/1999	10/6/1999	3/12/2004	3/30/2000										
9550	SR612366	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W026-772F-HET	SS300		0	9/28/1999		9/28/1999		3/22/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9551	SR612370	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	10/6/1999	10/6/1999	10/6/1999	11/6/2005	3/30/2000										
9552	SR612372	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	10/6/1999		10/6/1999		3/30/2000										
9553	SR612374	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	10/6/1999		10/6/1999		3/30/2000										
9554	SR612452	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/25/1998	8/25/1998	8/25/1998	4/8/2004	2/17/1999										
9555	SR612454	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	V&P Vent	0	8/25/1998	8/25/1998	8/25/1998	9/18/2007	2/17/1999										
9556	SR612465	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9557	SR612469	SSG	EMPLACED_CNTR	7/15/2007	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	7/15/1999	8/16/2006	7/15/1999	8/16/2006	1/7/2000										
9558	SR612471	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9559	SR612473	SSG	EMPLACED_CNTR	8/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9560	SR612474	SSG	EMPLACED_CNTR	8/31/2010 22:24	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	6/20/1999	6/27/2004	6/20/1999	6/27/2004	12/13/1999										
9561	SR612477	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/15/1999										
9562	SR612480	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9563	SR612483	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9564	SR612485	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9565	SR612486	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/14/1999										
9566	SR612488	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9567	SR612491	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	10/6/1999		10/6/1999		3/30/2000										
9568	SR612493	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/23/1999		6/23/1999		12/16/1999										
9569	SR612551	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9570	SR612553	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/9/1999		2/9/1999		8/4/1999										
9571	SR612555	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9572	SR612557	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9573	SR612559	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9574	SR612564	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	2/8/1999	2/8/1999	2/8/1999	10/30/2005	8/3/1999										
9575	SR612566	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/9/1999		2/9/1999		8/4/1999										
9576	SR612568	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9577	SR612570	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	2/8/1999	5/13/2008	2/8/1999	5/13/2008	8/3/1999										
9578	SR612651	SSG	EMPLACED_CNTR	11/10/2006	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/2/1998	6/14/2006	11/2/1998	6/14/2006	4/27/1999										
9579	SR612652	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9580	SR612653	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9581	SR612654	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	10/2/1998		10/2/1998		3/27/1999										
9583	SR612655	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9582	SR612657	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9584	SR612659	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9585	SR612662	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	11/2/1998	12/18/2006	11/2/1998	12/18/2006	4/27/1999										
9586	SR612664	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9587	SR612673	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9588	SR612680	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/4/1999										
9589	SR612681	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9590	SR612684	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/2/1998		11/2/1998		4/27/1999										
9591	SR612686	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	11/19/1998		11/19/1998		5/14/1999										
9592	SR612688	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/8/1999		2/8/1999		8/3/1999										
9593	SR612690	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/9/1999		2/9/1999		8/4/1999										
9594	SR612692	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/9/1999		2/9/1999		8/4/1999										
9595	SR612694	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/1/1999		2/1/1999		7/27/1999										
9596	SR612697	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	2/1/1999		2/1/1999		7/27/1999										
9597	SR612969	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	3/20/2000		3/20/2000		9/12/2000										
9598	SR613019	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	4/27/2000		4/27/2000		10/20/2000										
9599	SR613074	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	4/26/2000		4/26/2000		10/19/2000										
9600	SR613201	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	9/21/1999	9/14/2006	9/21/1999	9/14/2006	3/15/2000										
9601	SR613211	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	1/11/2000		1/11/2000		7/5/2000										
9602	SR613216	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	V&P Purge	0	1/11/2000	1/11/2000	1/11/2000	10/30/2005	7/5/2000										
9603	SR62482Y	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/24/1973	6/24/2008		6/24/2008											
9604	SR62482YA	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300		0	6/24/2008		6/24/2008		12/17/2008										
9605	SR624827	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	8/24/1973	3/11/2008		3/11/2008											
9606	SR73632	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/19/1973	6/24/2008		6/24/2008											
9607	SR73633	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/19/1973	6/9/2008		6/9/2008											
9608	SR73634	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/19/1973	6/24/2008		6/24/2008											
9609	SR73635	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WMIS_Updt	SR-W026-772F-HET	S5300	Remediate	1	12/19/1973	3/18/2008		3/18/2008											
9610	SR18268	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/17/1986	9/7/2007	2/14/1999	9/7/2007	8/11/1999			TRUE	TRUE	FALSE					
9611	SR182689	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	3/17/1986		11/3/1998		4/28/1999			TRUE	TRUE	FALSE					
9612	SR182690	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	3/17/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
9613	SR182693	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	3/17/1986		10/20/1998		4/14/1999			TRUE	TRUE	FALSE					
9614	SR182694	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	3/17/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
9615	SR214501	SSG	EMPLACED_CNTR	6/24/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/22/1988	6/11/2004	6/30/1995	6/11/2004	12/23/1995			TRUE	TRUE	FALSE					
9616	SR214502	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/22/1988	12/19/2003	6/30/1995	12/19/2003	12/23/1995			TRUE	TRUE	FALSE					
9617	SR214503	SSG	EMPLACED_CNTR	12/3/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9618	SR214504	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9619	SR214505	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9620	SR214506	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9621	SR214507	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9622	SR214508	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/25/1988	8/6/2003	6/30/1995	8/6/2003	12/23/1995			TRUE	TRUE	FALSE					
9623	SR214509	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9624	SR214510	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9625	SR214511	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/25/1988	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
9626	SR214512	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9627	SR214513	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9628	SR214514	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9629	SR214515	SSG	EMPLACED_CNTR	1/27/2001	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9630	SR214516	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9631	SR214517	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9632	SR214518	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9633	SR214519	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9634	SR214520	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9635	SR214521	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9636	SR214522	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9637	SR214523	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9638	SR214524	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221F-Het-A	S5400		0	1/26/1988		6/30/1995		12/23/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9639	SR214525	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	1/27/1984	7/23/2003	6/30/1995	7/23/2003	12/23/1995			TRUE	TRUE	FALSE					
9640	SR214526	55G	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/27/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9641	SR214527	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	1/27/1984	11/7/2006	6/30/1995	11/7/2006	12/23/1995			TRUE	TRUE	FALSE					
9642	SR214527A	55G	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1		4/23/2007		4/23/2007				TRUE	TRUE	FALSE					
9643	SR214528	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/27/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9644	SR214529	55G	EMPLACED_CNTR	2/15/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/27/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9645	SR214530	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/27/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9646	SR214531	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	1/28/1984	12/14/2003	6/30/1995	12/14/2003	12/23/1995			TRUE	TRUE	FALSE					
9647	SR214533	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9648	SR214534	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9649	SR214535	55G	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	1/28/1984	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9650	SR214536	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	1/28/1984	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9651	SR214537	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9652	SR214538	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9653	SR214539	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9654	SR214540	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9655	SR214541	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/28/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9656	SR214542	55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/29/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9657	SR214543	55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/29/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9658	SR214544	55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/29/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9659	SR214545	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/29/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9660	SR214546	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	1/29/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9661	SR214547	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9662	SR214548	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9663	SR214549	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9664	SR214550	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/1/1984	9/28/2003	6/30/1995	9/28/2003	12/23/1995			TRUE	TRUE	FALSE					
9665	SR214551	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9666	SR214553	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9667	SR214554	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9668	SR214555	55G	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9669	SR214556	55G	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/1/1984	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
9670	SR214557	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9671	SR214558	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9672	SR214559	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/1/1984	6/6/2006	6/30/1995	6/6/2006	12/23/1995			TRUE	TRUE	FALSE					
9673	SR214560	55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9674	SR214561	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9675	SR214562	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9676	SR214563	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/1/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9677	SR214564	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9678	SR214565	55G	EMPLACED_CNTR	6/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/22/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9679	SR214566	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9680	SR214567	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9681	SR214568	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9682	SR214569	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9683	SR214570	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9684	SR214571	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/3/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9685	SR214573	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/4/1984	10/12/2005	6/30/1995	10/12/2005	12/23/1995			TRUE	TRUE	FALSE					
9686	SR214573A	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1		10/12/2005		10/12/2005				TRUE	TRUE	FALSE					
9687	SR214575	55G	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/4/1984	3/27/2006	6/30/1995	3/27/2006	12/23/1995			TRUE	TRUE	FALSE					
9688	SR214576	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9689	SR214577	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9690	SR214578	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9691	SR214579	55G	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9692	SR214580	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9693	SR214581	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9694	SR214582	55G	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9695	SR214583	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9696	SR214584	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9697	SR214585	55G	EMPLACED_CNTR	8/18/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9698	SR214586	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9699	SR214587	55G	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9700	SR214588	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9701	SR214589	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/5/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9702	SR214590	55G	EMPLACED_CNTR	11/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9703	SR214592	55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9704	SR214593	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9705	SR214594	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9706	SR214595	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9707	SR214596	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9708	SR214597	55G	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9709	SR214598	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9710	SR214599	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/8/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9711	SR214601	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9712	SR214602	55G	EMPLACED_CNTR	6/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9713	SR214603	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	10/15/2003	6/30/1995	10/15/2003	12/23/1995			TRUE	TRUE	FALSE					
9714	SR214604	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9715	SR214605	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9716	SR214606	55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9717	SR214607	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
9718	SR214608	55G	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	10/14/2003	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
9719	SR214609	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9720	SR214610	55G	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9721	SR214611	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9722	SR214612	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9723	SR214614	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9724	SR214615	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400		0	2/9/1984		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9725	SR214616	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	12/24/2003	6/30/1995	12/24/2003	12/23/1995			TRUE	TRUE	FALSE					
9726	SR214617	55G	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-221F-Het-A	55400	Remediate	1	2/9/1984	9/28/2006	6/30/1995	9/28/2006	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9727	SR214618	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9728	SR214619	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9729	SR214620	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/9/1988	6/10/2003	6/30/1995	6/10/2003	12/23/1995			TRUE	TRUE	FALSE					
9730	SR214621	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/9/1988	9/14/2003	6/30/1995	9/14/2003	12/23/1995			TRUE	TRUE	FALSE					
9731	SR214622	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9732	SR214623	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/9/1988	11/25/2003	6/30/1995	11/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9733	SR214624	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9734	SR214625	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9735	SR214626	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9736	SR214627	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9737	SR214628	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9738	SR214631	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9739	SR214632	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9740	SR214633	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9741	SR214634	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9742	SR214637	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	6/4/2006	6/30/1995	6/4/2006	12/23/1995			TRUE	TRUE	FALSE					
9743	SR214638	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	10/2/2006	6/30/1995	10/2/2006	12/23/1995			TRUE	TRUE	FALSE					
9744	SR214639	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9745	SR214641	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	12/11/2003	6/30/1995	12/11/2003	12/23/1995			TRUE	TRUE	FALSE					
9746	SR214642	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9747	SR214643	SSG	EMPLACED_CNTR	5/8/2001	4/29/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9748	SR214644	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9749	SR214645	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	4/22/2003	6/30/1995	4/22/2003	12/23/1995			TRUE	TRUE	FALSE					
9750	SR214646	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9751	SR214647	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9752	SR214648	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9753	SR214649	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	8/9/2003	6/30/1995	8/9/2003	12/23/1995			TRUE	TRUE	FALSE					
9754	SR214650	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9755	SR214651	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9756	SR214652	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9757	SR214653	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9758	SR214654	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9759	SR214655	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9760	SR214656	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9761	SR214657	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9762	SR214658	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/16/1988	8/9/2003	6/30/1995	8/9/2003	12/23/1995			TRUE	TRUE	FALSE					
9763	SR214659	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9764	SR214660	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9765	SR214662	SSG	EMPLACED_CNTR	1/12/2003	4/29/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9766	SR214663	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9767	SR214664	SSG	EMPLACED_CNTR	5/8/2003	4/29/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9768	SR214665	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9769	SR214666	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9770	SR214667	SSG	EMPLACED_CNTR	7/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9771	SR214668	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9772	SR214669	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9773	SR214670	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9774	SR214671	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9775	SR214672	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9776	SR214673	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/23/1988	10/19/2006	6/30/1995	10/19/2006	12/23/1995			TRUE	TRUE	FALSE					
9777	SR214674	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9778	SR214675	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9779	SR214677	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9780	SR214678	SSG	EMPLACED_CNTR	7/18/2006	4/29/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9781	SR214679	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9782	SR214680	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/24/1988	12/11/2005	6/30/1995	12/11/2005	12/23/1995			TRUE	TRUE	FALSE					
9783	SR214681	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9784	SR214684	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9785	SR214685	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9786	SR214686	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9787	SR214688	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9788	SR214689	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9789	SR214690	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9790	SR214691	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9791	SR214692	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9792	SR214693	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9793	SR214694	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9794	SR214695	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/24/1988	11/24/2003	6/30/1995	11/24/2003	12/23/1995			TRUE	TRUE	FALSE					
9795	SR214696	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9796	SR214697	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9797	SR214698	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9798	SR214699	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/25/1988	10/31/2006	6/30/1995	10/31/2006	12/23/1995			TRUE	TRUE	FALSE					
9799	SR214699A	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1		10/31/2006		10/31/2006				TRUE	TRUE	FALSE					
9800	SR214700	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9801	SR214702	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/28/1988	12/24/2003	6/30/1995	12/24/2003	12/23/1995			TRUE	TRUE	FALSE					
9802	SR214703	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/28/1988	11/18/2003	6/30/1995	11/18/2003	12/23/1995			TRUE	TRUE	FALSE					
9803	SR214704	SSG	EMPLACED_CNTR	1/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9804	SR214705	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9805	SR214706	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/28/1988	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9806	SR214707	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9807	SR214708	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9808	SR214709	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9809	SR214710	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/28/1988	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
9810	SR214711	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400	Remediate	1	2/28/1988	7/1/2003	6/30/1995	7/1/2003	12/23/1995			TRUE	TRUE	FALSE					
9811	SR214712	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9812	SR214714	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9813	SR214715	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9814	SR214716	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9815	SR214717	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9816	SR214718	SSG	EMPLACED_CNTR	8/28/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9817	SR214719	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9818	SR214720	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9819	SR214721	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	2/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9820	SR214722	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9821	SR214723	SSG	EMPLACED_CNTR	12/29/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9822	SR214724	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9823	SR214725	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9824	SR214726	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9825	SR214727	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9826	SR214728	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9827	SR214730	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9828	SR214731	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9829	SR214732	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9830	SR214733	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9831	SR214734	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9832	SR214735	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9833	SR214736	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9834	SR214737	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9835	SR214738	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9836	SR214739	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9837	SR214740	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9838	SR214741	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9839	SR214742	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9840	SR214743	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9841	SR214744	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9842	SR214745	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/8/1988	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9843	SR214746	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9844	SR214747	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9845	SR214748	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9846	SR214749	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9847	SR226251	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/30/1987	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
9848	SR226252	SSG	EMPLACED_CNTR	1/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/30/1987	11/28/2006	6/30/1995	11/28/2006	12/23/1995			TRUE	TRUE	FALSE					
9849	SR226252A	SSG	EMPLACED_CNTR	1/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1		11/28/2006		11/28/2006				TRUE	TRUE	FALSE					
9850	SR226253	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/30/1987	7/6/2006	6/30/1995	7/6/2006	12/23/1995			TRUE	TRUE	FALSE					
9851	SR226253A	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1		4/2/2006		4/2/2006				TRUE	TRUE	FALSE					
9852	SR226254	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9853	SR226255	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9854	SR226256	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9855	SR226257	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9856	SR226258	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/2/1987	9/15/2003	6/30/1995	9/15/2003	12/23/1995			TRUE	TRUE	FALSE					
9857	SR226259	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9858	SR226260	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9859	SR226261	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9860	SR226262	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9861	SR226263	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9862	SR226264	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/2/1987	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
9863	SR226265	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9864	SR226266	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/2/1987	11/7/2006	6/30/1995	11/7/2006	12/23/1995			TRUE	TRUE	FALSE					
9865	SR226267	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9866	SR226268	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/7/1987	7/7/1987	6/30/1995	6/23/2004	12/23/1995			TRUE	TRUE	FALSE					
9867	SR226269	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9868	SR226270	SSG	EMPLACED_CNTR	3/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/7/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9869	SR226271	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/7/1987	3/13/2006	6/30/1995	3/13/2006	12/23/1995			TRUE	TRUE	FALSE					
9870	SR226271A	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-223F-Het-A	S5400	Remediate	1		3/13/2006		3/13/2006				TRUE	TRUE	FALSE					
9871	SR226273	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9872	SR226275	SSG	EMPLACED_CNTR	10/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	V&P Purge	0	7/7/1987	7/7/1987	6/30/1995	9/12/2003	12/23/1995			TRUE	TRUE	FALSE					
9873	SR226276	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9874	SR226277	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/13/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9875	SR226278	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9876	SR226279	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/13/1987	1/21/2004	6/30/1995	1/21/2004	12/23/1995			TRUE	TRUE	FALSE					
9877	SR226280	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9878	SR226281	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-223F-Het-A	S5400		0	7/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9879	SR226282	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9880	SR226283	SSG	EMPLACED_CNTR	2/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9881	SR226284	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9882	SR226285	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/15/1987	7/1/2006	6/30/1995	7/1/2006	12/23/1995			TRUE	TRUE	FALSE					
9883	SR226286	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9884	SR226287	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/15/1987	12/15/2003	6/30/1995	12/15/2003	12/23/1995			TRUE	TRUE	FALSE					
9885	SR226288	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9886	SR226289	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
9887	SR226290	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/15/1987	3/1/2006	6/30/1995	3/1/2006	12/23/1995			TRUE	TRUE	FALSE					
9888	SR226291	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9889	SR226292	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/16/1987	12/1/2003	6/30/1995	12/1/2003	12/23/1995			TRUE	TRUE	FALSE					
9890	SR226293	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
9891	SR226294	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9892	SR226295	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9893	SR226296	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9894	SR226297	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9895	SR226298	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9896	SR226299	SSG	EMPLACED_CNTR	5/9/2006	4/28/2011 6:00	WWS_Updt	SR-W027-223F-Het-A	S5400	Remediate	1	7/20/1987	10/30/2006	6/30/1995	10/30/2006	12/23/1995			TRUE	TRUE	FALSE					
9897	SR226300	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9898	SR226301	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9899	SR226302	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/20/1987	12/6/2003	6/30/1995	12/6/2003	12/23/1995			TRUE	TRUE	FALSE					
9900	SR226303	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/20/1987	11/1/2006	6/30/1995	11/1/2006	12/23/1995			TRUE	TRUE	FALSE					
9901	SR226304	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9902	SR226305	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9903	SR226306	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9904	SR226307	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/31/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9905	SR226308	55G	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/20/1987	12/6/2003	6/30/1995	12/6/2003	12/23/1995			TRUE	TRUE	FALSE					
9906	SR226309	55G	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/23/1987	6/7/2004	6/30/1995	6/7/2004	12/23/1995			TRUE	TRUE	FALSE					
9907	SR226310	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9908	SR226311	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9909	SR226312	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	V&P Purge	0	7/23/1987	7/13/1987	6/30/1995	10/3/2005	12/23/1995			TRUE	TRUE	FALSE					
9910	SR226313	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9911	SR226314	55G	EMPLACED_CNTR	10/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	V&P Purge	0	7/23/1987	7/13/1987	6/30/1995	10/12/2004	12/23/1995			TRUE	TRUE	FALSE					
9912	SR226315	55G	EMPLACED_CNTR	12/18/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9913	SR226316	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/23/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9914	SR226317	55G	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/23/1987	4/16/2006	6/30/1995	4/16/2006	12/23/1995			TRUE	TRUE	FALSE					
9915	SR226318	55G	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/23/1987	4/10/2008	6/30/1995	4/10/2008	12/23/1995			TRUE	TRUE	FALSE					
9916	SR226318A	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1		1/3/2004		1/3/2004				TRUE	TRUE	FALSE					
9917	SR226319	55G	EMPLACED_CNTR	8/30/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/28/1987	1/5/2006	6/30/1995	1/5/2006	12/23/1995			TRUE	TRUE	FALSE					
9918	SR226320	55G	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9919	SR226321	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9920	SR226322	55G	EMPLACED_CNTR	7/23/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/28/1987	11/4/2006	6/30/1995	11/4/2006	12/23/1995			TRUE	TRUE	FALSE					
9921	SR226323	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	V&P Purge	0	7/28/1987	7/28/1987	6/30/1995	10/12/2004	12/23/1995			TRUE	TRUE	FALSE					
9922	SR226324	55G	EMPLACED_CNTR	9/19/2001	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9923	SR226325	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/28/1987	12/17/2003	6/30/1995	12/17/2003	12/23/1995			TRUE	TRUE	FALSE					
9924	SR226326	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9925	SR226327	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9926	SR226328	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/28/1987	1/9/2004	6/30/1995	1/9/2004	12/23/1995			TRUE	TRUE	FALSE					
9927	SR226329	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9928	SR226330	55G	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9929	SR226332	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9930	SR226333	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9931	SR226334	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	7/28/1987	3/14/2004	6/30/1995	3/14/2004	12/23/1995			TRUE	TRUE	FALSE					
9932	SR226335	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	7/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9933	SR226336	55G	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/3/1987	1/9/2004	6/30/1995	1/9/2004	12/23/1995			TRUE	TRUE	FALSE					
9934	SR226336A	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1		1/9/2004		1/9/2004				TRUE	TRUE	FALSE					
9935	SR226337	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9936	SR226338	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/3/1987	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
9937	SR226339	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9938	SR226340	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9939	SR226341	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9940	SR226342	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9941	SR226343	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9942	SR226344	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9943	SR226345	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9944	SR226346	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9945	SR226347	55G	EMPLACED_CNTR	3/18/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/10/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9946	SR226348	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9947	SR226349	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9948	SR226350	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9949	SR226351	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9950	SR226352	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9951	SR226353	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9952	SR226354	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9953	SR226355	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9954	SR226356	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9955	SR226357	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/18/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9956	SR226358	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9957	SR226359	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9958	SR226360	55G	EMPLACED_CNTR	5/6/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9959	SR226361	55G	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/25/1987	5/29/2003	6/30/1995	5/29/2003	12/23/1995			TRUE	TRUE	FALSE					
9960	SR226362	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9961	SR226363	55G	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9962	SR226364	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9963	SR226365	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/25/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
9964	SR226366	55G	EMPLACED_CNTR	1/31/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/27/1987	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
9965	SR226367	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9966	SR226368	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/31/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9967	SR226370	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	8/31/1987	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
9968	SR226371	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	8/31/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9969	SR226372	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9970	SR226373	55G	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9971	SR226374	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9972	SR226375	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9973	SR226376	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9974	SR226377	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9975	SR226378	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	9/8/1987	7/11/2006	6/30/1995	7/11/2006	12/23/1995			TRUE	TRUE	FALSE					
9976	SR226378A	55G	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1		7/11/2006		7/11/2006				TRUE	TRUE	FALSE					
9977	SR226379	55G	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9978	SR226380	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	9/8/1987	12/22/2003	6/30/1995	12/22/2003	12/23/1995			TRUE	TRUE	FALSE					
9979	SR226381	55G	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9980	SR226382	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	9/8/1987	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
9981	SR226383	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9982	SR226384	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9983	SR226385	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9984	SR226386	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9985	SR226387	55G	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	9/8/1987	9/22/2003	6/30/1995	9/22/2003	12/23/1995			TRUE	TRUE	FALSE					
9986	SR226388	55G	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400	Remediate	1	9/8/1987	6/8/2004	6/30/1995	6/8/2004	12/23/1995			TRUE	TRUE	FALSE					
9987	SR226389	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9988	SR226390	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9989	SR226391	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9990	SR226392	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-WO27-221F-Met-A	S5400		0	9/8/1987		6/30/1995		12/23/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
9991	SR226393	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/6/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9992	SR226394	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/10/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9993	SR226395	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/14/1967	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
9994	SR226396	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/14/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9995	SR226397	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9996	SR226398	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9997	SR226399	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
9998	SR226400	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400	Remediate	1	9/15/1967	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
9999	SR226401	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10000	SR226402	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10001	SR226403	SSG	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10002	SR226404	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10003	SR226405	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10004	SR226406	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10005	SR226407	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/15/1967	12/4/2006	6/30/1995	12/4/2006	12/23/1995			TRUE	TRUE	FALSE					
10006	SR226408	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10007	SR226409	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10008	SR226410	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10009	SR226411	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10010	SR226412	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10011	SR226413	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10012	SR226414	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/15/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10013	SR226415	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/18/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10014	SR226416	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/18/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10015	SR226417	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/18/1967	8/4/2003	6/30/1995	8/4/2003	12/23/1995			TRUE	TRUE	FALSE					
10016	SR226418	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/21/1967	12/27/2003	6/30/1995	12/27/2003	12/23/1995			TRUE	TRUE	FALSE					
10017	SR226419	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10018	SR226420	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10019	SR226421	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10020	SR226422	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10021	SR226423	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400	Remediate	1	9/21/1967	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
10022	SR226424	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10023	SR226425	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10024	SR226426	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10025	SR226427	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10026	SR226430	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10027	SR226431	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10028	SR226432	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10029	SR226433	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/21/1967	9/24/2003	6/30/1995	9/24/2003	12/23/1995			TRUE	TRUE	FALSE					
10030	SR226434	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/21/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10031	SR226435	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	9/22/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10032	SR226436	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/22/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10033	SR226437	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/24/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10034	SR226438	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/24/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10035	SR226439	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/24/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10036	SR226440	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/24/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10037	SR226441	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/24/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10038	SR226442	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10039	SR226443	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10040	SR226444	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/25/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10041	SR226445	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/28/1967	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
10042	SR226446	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/1/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10043	SR226447	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/1/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10044	SR226448	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/1/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10045	SR226449	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/2/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10046	SR226450	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/2/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10047	SR226451	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/2/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10048	SR226452	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/6/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10049	SR226453	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/6/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10050	SR226454	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10051	SR226455	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10052	SR226456	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10053	SR226457	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	10/7/1967	3/20/2006	6/30/1995	3/20/2006	12/23/1995			TRUE	TRUE	FALSE					
10054	SR226458	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10055	SR226459	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10056	SR226460	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	10/7/1967	12/27/2005	6/30/1995	12/27/2005	12/23/1995			TRUE	TRUE	FALSE					
10057	SR226461	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10058	SR226462	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		1	10/8/1967		10/8/1967		4/1/1968			TRUE	TRUE	FALSE					
10059	SR226463	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10060	SR226464	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10061	SR226465	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/7/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10062	SR226466	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400	Remediate	1	10/13/1967	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
10063	SR226467	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10064	SR226468	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10065	SR226469	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10066	SR226470	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10067	SR226471	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10068	SR226472	SSG	EMPLACED_CNTR	1/11/2001	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10069	SR226474	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10070	SR226475	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10071	SR226476	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10072	SR226477	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-223F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10073	SR226478	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/13/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10074	SR226479	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	10/16/1967	12/22/2003	6/30/1995	12/22/2003	12/23/1995			TRUE	TRUE	FALSE					
10075	SR226480	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	10/16/1967	11/17/2006	6/30/1995	11/17/2006	12/23/1995			TRUE	TRUE	FALSE					
10076	SR226481	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/16/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10077	SR226482	SSG	EMPLACED_CNTR	7/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	10/16/1967	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE	TRUE	FALSE					
10078	SR226483	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	10/16/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10079	SR226484	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10080	SR226485	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10081	SR226486	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10082	SR226487	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10083	SR226488	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10084	SR226489	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10085	SR226490	SSG	EMPLACED_CNTR	8/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10086	SR226491	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10087	SR226492	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10088	SR226493	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/19/1987	4/23/2003	6/30/1995	4/23/2003	12/23/1995			TRUE	TRUE	FALSE					
10089	SR226494	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/20/1987	11/14/2003	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
10090	SR226495	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10091	SR226496	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10092	SR226497	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/19/1987	1/4/2004	6/30/1995	1/4/2004	12/23/1995			TRUE	TRUE	FALSE					
10093	SR226498	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/19/1987	12/15/2003	6/30/1995	12/15/2003	12/23/1995			TRUE	TRUE	FALSE					
10094	SR226499	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10095	SR226500	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10096	SR226751	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10097	SR226752	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10098	SR226753	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10099	SR226754	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10100	SR226755	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10101	SR226756	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/2/1987	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
10102	SR226757	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10103	SR226758	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/2/1987	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
10104	SR226759	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10105	SR226760	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10106	SR226761	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10107	SR226762	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10108	SR226763	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/5/1987	11/1/2006	6/30/1995	11/1/2006	12/23/1995			TRUE	TRUE	FALSE					
10109	SR226763A	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	remediate	1		3/6/2006		3/6/2006				TRUE	TRUE	FALSE					
10110	SR226764	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/5/1987	12/14/2003	6/30/1995	12/14/2003	12/23/1995			TRUE	TRUE	FALSE					
10111	SR226765	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/5/1987	1/14/2004	6/30/1995	1/14/2004	12/23/1995			TRUE	TRUE	FALSE					
10112	SR226766	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10113	SR226767	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10114	SR226768	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10115	SR226769	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/5/1987	11/6/2006	6/30/1995	11/6/2006	12/23/1995			TRUE	TRUE	FALSE					
10116	SR226771	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10117	SR226772	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10118	SR226773	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10119	SR226774	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10120	SR226775	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10121	SR226776	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10122	SR226777	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10123	SR226778	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10124	SR226779	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/23/1987	12/17/2006	6/30/1995	12/17/2006	12/23/1995			TRUE	TRUE	FALSE					
10125	SR226779A	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1		12/17/2006		12/17/2006				TRUE	TRUE	FALSE					
10126	SR226781	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10127	SR226782	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10128	SR226783	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	0	3/23/1987	11/17/2009	6/30/1995	11/17/2009	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
10129	SR226785	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/23/1987	9/29/2003	6/30/1995	9/29/2003	12/23/1995			TRUE	TRUE	FALSE					
10130	SR226786	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10131	SR226789	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10132	SR226790	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/27/1987	11/24/2003	6/30/1995	11/24/2003	12/23/1995			TRUE	TRUE	FALSE					
10133	SR226792	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10134	SR226793	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10135	SR226794	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/30/1987	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
10136	SR226795	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/30/1987	1/14/2004	6/30/1995	1/14/2004	12/23/1995			TRUE	TRUE	FALSE					
10137	SR226796	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10138	SR226805	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10139	SR226806	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10140	SR226807	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10141	SR226808	SSG	EMPLACED_CNTR	6/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10142	SR226809	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/6/1987	8/10/2003	6/30/1995	8/10/2003	12/23/1995			TRUE	TRUE	FALSE					
10143	SR226811	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/6/1987	10/5/2006	6/30/1995	10/5/2006	12/23/1995			TRUE	TRUE	FALSE					
10144	SR226813	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10145	SR226814	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10146	SR226815	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10147	SR226816	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10148	SR226817	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10149	SR226818	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/6/1987	4/15/2008	6/30/1995	4/15/2008	12/23/1995			TRUE	TRUE	FALSE					
10150	SR226819	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10151	SR226820	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10152	SR226821	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10153	SR226822	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/13/1987	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
10154	SR226824	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/13/1987	12/3/2003	6/30/1995	12/3/2003	12/23/1995			TRUE	TRUE	FALSE					
10155	SR226825	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10156	SR226827	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10157	SR226828	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10158	SR226829	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10159	SR226831	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/20/1987	5/16/2004	6/30/1995	5/16/2004	12/23/1995			TRUE	TRUE	FALSE					
10160	SR226832	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10161	SR226833	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10162	SR226834	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/20/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
10163	SR226835	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10164	SR226836	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10165	SR226837	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10166	SR226838	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10167	SR226839	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10168	SR226840	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10169	SR226841	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10170	SR226842	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10171	SR226843	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10172	SR226847	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10173	SR226848	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10174	SR226849	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	1/28/2006	6/30/1995	1/28/2006	12/23/1995			TRUE	TRUE	FALSE					
10175	SR226850	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10176	SR226851	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10177	SR226852	SSG	EMPLACED_CNTR	9/2/2005	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10178	SR226854	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10179	SR226855	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10180	SR226856	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10181	SR226857	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/23/1987	12/15/2006	6/30/1995	12/15/2006	12/23/1995			TRUE	TRUE	FALSE					
10182	SR226857A	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1		12/15/2006		12/15/2006				TRUE	TRUE	FALSE					
10183	SR226859	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10184	SR226860	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	6/8/2006	6/30/1995	6/8/2006	12/23/1995			TRUE	TRUE	FALSE					
10185	SR226861	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10186	SR226862	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	7/20/2006	6/30/1995	7/20/2006	12/23/1995			TRUE	TRUE	FALSE					
10187	SR226863	SSG	EMPLACED_CNTR	6/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10188	SR226864	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10189	SR226865	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10190	SR226866	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10191	SR226867	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
10192	SR226868	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10193	SR226869	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	11/24/2003	6/30/1995	11/24/2003	12/23/1995			TRUE	TRUE	FALSE					
10194	SR226870	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
10195	SR226871	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10196	SR226872	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10197	SR226873	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10198	SR226874	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/30/1987	9/25/2003	6/30/1995	9/25/2003	12/23/1995			TRUE	TRUE	FALSE					
10199	SR226875	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10200	SR226876	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10201	SR226877	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10202	SR226878	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10203	SR226879	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10204	SR226880	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/4/1987	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
10205	SR226880A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1		11/15/2006		11/15/2006				TRUE	TRUE	FALSE					
10206	SR226881	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/4/1987	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
10207	SR226882	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10208	SR226883	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10209	SR226884	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10210	SR226885	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/4/1987	6/14/2004	6/30/1995	6/14/2004	12/23/1995			TRUE	TRUE	FALSE					
10211	SR226886	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10212	SR226887	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10213	SR226888	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10214	SR226889	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/4/1987	1/29/2007	6/30/1995	1/29/2007	12/23/1995			TRUE	TRUE	FALSE					
10215	SR226889A	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1		1/29/2007		1/29/2007				TRUE	TRUE	FALSE					
10216	SR226890	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10217	SR226891	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10218	SR226893	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10219	SR226894	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/6/1987	1/26/2006	6/30/1995	1/26/2006	12/23/1995			TRUE	TRUE	FALSE					
10220	SR226895	SSG	EMPLACED_CNTR	12/28/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/6/1987	7/18/2006	6/30/1995	7/18/2006	12/23/1995			TRUE	TRUE	FALSE					
10221	SR226895A	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1		7/18/2006		7/18/2006				TRUE	TRUE	FALSE					
10222	SR226896	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10223	SR226897	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/6/1987	1/25/2006	6/30/1995	1/25/2006	12/23/1995			TRUE	TRUE	FALSE					
10224	SR226898	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10225	SR226899	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10226	SR226900	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10227	SR226901	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10228	SR226904	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10229	SR226905	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/11/1987	4/2/2007	6/30/1995	4/2/2007	12/23/1995			TRUE	TRUE	FALSE					
10230	SR226906	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10231	SR226907	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10232	SR226908	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10233	SR226909	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10234	SR226910	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10235	SR226911	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10236	SR226912	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10237	SR226913	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10238	SR226914	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10239	SR226915	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10240	SR226917	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10241	SR226918	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/18/1987	7/13/2003	6/30/1995	7/13/2003	12/23/1995			TRUE	TRUE	FALSE					
10242	SR226919	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10243	SR226920	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10244	SR226921	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10245	SR226922	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10246	SR226923	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10247	SR226924	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10248	SR226925	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400	Remediate	1	5/22/1987	10/14/2003	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
10249	SR226926	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10250	SR226927	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10251	SR226928	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10252	SR226929	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10253	SR226932	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10254	SR226933	SSG	EMPLACED_CNTR	7/1/2005	4/28/2011 6:00	WWIS_Upd1	SR-WQ27-221F-Het-A	S5400		0	5/21/1987		6/30/1995		12/21/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10255	SR226934	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10256	SR226935	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10257	SR226937	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10258	SR226938	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10259	SR226939	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10260	SR226940	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10261	SR226941	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10262	SR226942	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10263	SR226942A	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/29/2001	2/12/2007	11/28/2001	2/12/2007	5/23/2002			TRUE	TRUE	FALSE					
10264	SR226943	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10265	SR226944	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10266	SR226945	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/28/1987	6/9/2006	6/30/1995	6/9/2006	12/22/1995			TRUE	TRUE	FALSE					
10267	SR226946	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10268	SR226947	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10269	SR226948	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10270	SR226949	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10271	SR226950	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10272	SR226951	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10273	SR226952	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/3/1987	1/2/2004	6/30/1995	1/2/2004	12/23/1995			TRUE	TRUE	FALSE					
10274	SR226953	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/3/1987	11/8/2003	6/30/1995	11/8/2003	12/23/1995			TRUE	TRUE	FALSE					
10275	SR226954	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10276	SR226955	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10277	SR226956	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10278	SR226957	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10279	SR226958	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10280	SR226959	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10281	SR226960	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10282	SR226961	SSG	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10283	SR226962	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/9/1987	12/17/2003	6/30/1995	12/17/2003	12/23/1995			TRUE	TRUE	FALSE					
10284	SR226963	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10285	SR226964	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10286	SR226965	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10287	SR226966	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10288	SR226967	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10289	SR226968	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/14/1987	9/29/2003	6/30/1995	9/29/2003	12/23/1995			TRUE	TRUE	FALSE					
10290	SR226969	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/14/1987	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
10291	SR226970	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10292	SR226971	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10293	SR226972	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10294	SR226973	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10295	SR226974	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10296	SR226975	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/14/1987	8/5/2004	6/30/1995	8/5/2004	12/23/1995			TRUE	TRUE	FALSE					
10297	SR226976	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/14/1987	1/2/2004	6/30/1995	1/2/2004	12/23/1995			TRUE	TRUE	FALSE					
10298	SR226977	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10299	SR226979	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10300	SR226980	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10301	SR226981	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10302	SR226982	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10303	SR226983	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/22/1987	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
10304	SR226984	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10305	SR226985	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/22/1987	11/3/2006	6/30/1995	11/3/2006	12/23/1995			TRUE	TRUE	FALSE					
10306	SR226986	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10307	SR226987	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	6/22/1987	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
10308	SR226988	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10309	SR226989	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10310	SR226990	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10311	SR226991	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10312	SR226992	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10313	SR226993	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10314	SR226994	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10315	SR226995	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10316	SR226996	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10317	SR226997	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10318	SR226998	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10319	SR226999	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10320	SR227000	SSG	EMPLACED_CNTR	2/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10321	SR233331	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10322	SR233332	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10323	SR233333	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10324	SR233334	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10325	SR233335	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10326	SR233336	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/19/1988	12/18/2003	6/30/1995	12/18/2003	12/23/1995			TRUE	TRUE	FALSE					
10327	SR233338	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10328	SR233339	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10329	SR233340	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10330	SR233341	SSG	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10331	SR233342	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10332	SR233343	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10333	SR233344	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10334	SR234501	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10335	SR234502	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/26/1988	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
10336	SR234503	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10337	SR234504	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10338	SR234528	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10339	SR234529	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10340	SR234531	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10341	SR234532	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10342	SR234533	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10344	SR234534	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10344	SR234535	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/3/1988	8/4/2003	6/30/1995	8/4/2003	12/23/1995			TRUE	TRUE	FALSE					
10345	SR234536	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10346	SR234537	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10347	SR234538	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10348	SR234539	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/3/1988	5/24/2006	6/30/1995	5/24/2006	12/23/1995			TRUE	TRUE	FALSE					
10349	SR234540	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10350	SR234541	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10351	SR234542	SSG	EMPLACED_CNTR	10/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/3/1988	6/8/2006	6/30/1995	6/8/2006	12/23/1995			TRUE	TRUE	FALSE					
10352	SR234543	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10353	SR234544	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10354	SR234545	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10355	SR234546	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/5/1988	1/10/2004	5/5/1988	1/10/2004	10/28/1988			TRUE	TRUE	FALSE					
10356	SR234547	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/5/1988	10/19/2005	6/30/1995	10/19/2005	12/23/1995			TRUE	TRUE	FALSE					
10357	SR234548	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10358	SR234549	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10359	SR234550	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10360	SR234551	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10361	SR234552	SSG	EMPLACED_CNTR	2/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10362	SR234553	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10363	SR234554	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10364	SR234555	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10365	SR234556	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10366	SR234557	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10367	SR234558	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10368	SR234559	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10369	SR234560	SSG	EMPLACED_CNTR	4/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10370	SR234561	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/17/1988	12/15/2003	6/30/1995	12/15/2003	12/23/1995			TRUE	TRUE	FALSE					
10371	SR234562	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/17/1988	1/10/2004	6/30/1995	1/10/2004	12/23/1995			TRUE	TRUE	FALSE					
10372	SR234563	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10373	SR234564	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10374	SR234565	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10375	SR234566	SSG	EMPLACED_CNTR	2/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10376	SR234567	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10377	SR234568	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	10/17/1988	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
10378	SR234569	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10379	SR234570	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10380	SR234571	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10381	SR234572	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10382	SR234573	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10383	SR234574	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10384	SR234575	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10385	SR234576	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10386	SR234577	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10387	SR234581	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10388	SR234582	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10389	SR234583	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10390	SR234584	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10391	SR234585	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10392	SR234586	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10393	SR234587	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	10/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10394	SR234588	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10395	SR234589	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10396	SR234590	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10397	SR234591	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10398	SR234592	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10399	SR234593	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10400	SR234594	SSG	EMPLACED_CNTR	8/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10401	SR234595	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10402	SR234596	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10403	SR234597	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10404	SR234598	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10405	SR234599	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10406	SR234600	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10407	SR234601	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	V&P Vent	0	11/9/1988	11/9/1988	6/30/1995	11/13/2006	12/23/1995			TRUE	TRUE	FALSE					
10408	SR234602	SSG	EMPLACED_CNTR	8/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10409	SR234603	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10410	SR234604	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10411	SR234605	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10412	SR234606	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10413	SR234607	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10414	SR234608	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10415	SR234609	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10416	SR234610	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10417	SR234611	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10418	SR234612	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10419	SR234613	SSG	EMPLACED_CNTR	1/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10420	SR234614	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10421	SR234615	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10422	SR234616	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10423	SR234617	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
10424	SR234618	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10425	SR234619	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10426	SR234620	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10427	SR234621	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	V&P Vent	0	11/14/1988	11/14/1988	6/30/1995	10/6/2003	12/23/1995			TRUE	TRUE	FALSE					
10428	SR234622	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10429	SR234623	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/14/1988	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
10430	SR234624	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/14/1988	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10431	SR234625	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10432	SR234626	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10433	SR234628	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10434	SR234629	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10435	SR234630	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10436	SR234631	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10437	SR234632	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/14/1988	12/21/2006	6/30/1995	12/21/2006	12/23/1995			TRUE	TRUE	FALSE					
10438	SR234633	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10439	SR234634	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10440	SR234635	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10441	SR234636	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10442	SR234637	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10443	SR234638	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10444	SR234639	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10445	SR234640	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/15/1988	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
10446	SR234642	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/15/1988	1/27/2006	6/30/1995	1/27/2006	12/23/1995			TRUE	TRUE	FALSE					
10447	SR234643	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10448	SR234644	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10449	SR234645	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10450	SR234646	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10451	SR234647	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10452	SR234648	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10453	SR234649	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10454	SR234650	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10455	SR234651	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10456	SR234652	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10457	SR234653	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10458	SR234654	SSG	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/16/1988	9/24/2003	6/30/1995	9/24/2003	12/23/1995			TRUE	TRUE	FALSE					
10459	SR234655	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10460	SR234656	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10461	SR234657	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10462	SR234658	SSG	EMPLACED_CNTR	8/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10463	SR234659	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/16/1988	12/31/2003	6/30/1995	12/31/2003	12/23/1995			TRUE	TRUE	FALSE					
10464	SR234660	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10465	SR234661	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10466	SR234662	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10467	SR234663	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10468	SR234664	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10469	SR234665	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10470	SR234667	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10471	SR234668	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10472	SR234669	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/21/1988	8/8/2005	6/30/1995	8/8/2005	12/23/1995			TRUE	TRUE	FALSE					
10473	SR234670	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10474	SR234671	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10475	SR234672	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10476	SR234673	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10477	SR234674	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10478	SR234675	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10479	SR234676	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10480	SR234677	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10481	SR234678	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10482	SR234679	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10483	SR234680	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10484	SR234681	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10485	SR234682	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10486	SR234683	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10487	SR234684	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10488	SR234685	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10489	SR234686	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10490	SR234687	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/21/1988	6/20/2003	6/30/1995	6/20/2003	12/23/1995			TRUE	TRUE	FALSE					
10491	SR234688	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/21/1988	11/25/2003	6/30/1995	11/25/2003	12/23/1995			TRUE	TRUE	FALSE					
10492	SR234689	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10493	SR234690	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10494	SR234691	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10495	SR234692	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10496	SR234693	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10497	SR234694	SSG	EMPLACED_CNTR	8/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10498	SR234695	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10499	SR234696	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10500	SR234697	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10501	SR234698	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10502	SR234699	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10503	SR234700	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10504	SR234701	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10505	SR234702	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10506	SR234703	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10507	SR234704	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10508	SR234705	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10509	SR234706	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/28/1988	1/10/2004	6/30/1995	1/10/2004	12/23/1995			TRUE	TRUE	FALSE					
10510	SR234707	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10511	SR234708	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10512	SR234709	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10513	SR234710	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10514	SR234711	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10515	SR234712	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10516	SR234713	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10517	SR234714	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10518	SR234715	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/28/1988	3/12/2003	11/28/1988	3/12/2003	5/23/1989			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10519	SR234716	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10520	SR234717	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10521	SR234718	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10522	SR234719	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10523	SR234720	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10524	SR234721	SSG	EMPLACED_CNTR	1/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/28/1988	8/3/2004	11/28/1988	8/3/2004	5/23/1989			TRUE	TRUE	FALSE					
10525	SR234723	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10526	SR234724	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/28/1988	6/10/2006	6/30/1995	6/10/2006	12/23/1995										
10527	SR234724A	SSG	EMPLACED_CNTR	5/30/2012 13:45	5/1/2012 15:17	mccabed	SR-W027-221F-Het-A	SS400			6/10/2006	3/8/2012	6/10/2006	3/8/2012		Container was previously assigned SWD061385; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
10528	SR234725	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10529	SR234726	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10530	SR234727	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10531	SR234728	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10532	SR234729	SSG	EMPLACED_CNTR	12/18/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10533	SR234730	SSG	EMPLACED_CNTR	4/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10534	SR234731	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10535	SR234732	SSG	EMPLACED_CNTR	4/10/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10536	SR234733	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10537	SR234734	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10538	SR234735	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10539	SR234736	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10540	SR234737	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10541	SR234738	SSG	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10542	SR234739	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10543	SR234740	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10544	SR234741	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10545	SR234742	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10546	SR234743	SSG	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10547	SR234744	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10548	SR234745	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10549	SR234746	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10550	SR234747	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10551	SR234748	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10552	SR234749	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10553	SR234750	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10554	SR235251	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10555	SR235252	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10556	SR235253	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10557	SR235254	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10558	SR235255	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10559	SR235256	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10560	SR235257	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10561	SR235258	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10562	SR235259	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
10563	SR235260	SSG	APPROVED_CERT		5/1/2012 15:15	mccabed	SR-W027-221F-Het-A	SS400	Remediate	1	3/13/1988	12/16/2006	6/30/1995	12/16/2006		updated per S Ryse 3/26/07		TRUE	TRUE	FALSE					
10564	SR235261	SSG	EMPLACED_CNTR	1/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10565	SR235262	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/13/1988	11/8/2003	6/30/1995	11/8/2003	12/23/1995			TRUE	TRUE	FALSE					
10566	SR235263	SSG	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10567	SR235264	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10568	SR235265	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10569	SR235266	SSG	EMPLACED_CNTR	1/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10570	SR235267	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10571	SR235268	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10572	SR235269	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10573	SR235270	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10574	SR235271	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10575	SR235272	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10576	SR235273	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10577	SR235274	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10578	SR235275	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10579	SR235276	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10580	SR235277	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10581	SR235278	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10582	SR235279	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10583	SR235280	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	9/25/2006	6/30/1995	9/25/2006	12/23/1995			TRUE	TRUE	FALSE					
10584	SR235281	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	3/12/2003	6/30/1995	3/12/2003	12/23/1995			TRUE	TRUE	FALSE					
10585	SR235282	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10586	SR235283	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10587	SR235285	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10588	SR235286	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/16/1988	4/7/2006	6/30/1995	4/7/2006	12/23/1995			TRUE	TRUE	FALSE					
10589	SR235287	SSG	EMPLACED_CNTR	9/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/16/1988	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
10590	SR235290	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10591	SR235291	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10592	SR235292	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10593	SR235293	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10594	SR235294	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10595	SR235295	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10596	SR235296	SSG	EMPLACED_CNTR	1/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10597	SR235297	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10598	SR235298	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10599	SR235299	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10600	SR235300	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/21/1988	2/29/2004	6/30/1995	2/29/2004	12/23/1995			TRUE	TRUE	FALSE					
10601	SR235301	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/21/1988	6/14/2004	6/30/1995	6/14/2004	12/23/1995			TRUE	TRUE	FALSE					
10602	SR235302	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10603	SR235303	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10604	SR235304	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10605	SR235305	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10606	SR235306	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/21/1968	12/14/2003	6/30/1995	12/14/2003	12/23/1995			TRUE	TRUE	FALSE					
10607	SR235307	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10608	SR235309	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10609	SR235310	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10610	SR235311	55G	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10611	SR235312	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/21/1968	12/10/2005	6/30/1995	12/10/2005	12/23/1995			TRUE	TRUE	FALSE					
10612	SR235313	55G	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10613	SR235314	55G	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/21/1968	6/3/2006	6/30/1995	6/3/2006	12/23/1995			TRUE	TRUE	FALSE					
10614	SR235315	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10615	SR235316	55G	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10616	SR235317	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10617	SR235318	55G	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/21/1968	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
10618	SR235319	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10619	SR235320	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/22/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10620	SR235321	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/22/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10621	SR235322	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/22/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10622	SR235323	55G	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/22/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10623	SR235324	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/22/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10624	SR235325	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/23/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10625	SR235326	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/23/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10626	SR235327	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/23/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10627	SR235328	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/25/1968	1/4/2004	6/30/1995	1/4/2004	12/23/1995			TRUE	TRUE	FALSE					
10628	SR235329	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/25/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10629	SR235330	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/25/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10630	SR235331	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/25/1968	9/23/2006	6/30/1995	9/23/2006	12/23/1995			TRUE	TRUE	FALSE					
10631	SR235332	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/25/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10632	SR235333	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10633	SR235334	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10634	SR235335	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10635	SR235336	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10636	SR235337	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/28/1968	12/23/2003	6/30/1995	12/23/2003	12/23/1995			TRUE	TRUE	FALSE					
10637	SR235338	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/29/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10638	SR235339	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/29/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10639	SR235340	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/29/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10640	SR235341	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/29/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10641	SR235342	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10642	SR235343	55G	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10643	SR235344	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/30/1968	1/22/2006	6/30/1995	1/22/2006	12/23/1995			TRUE	TRUE	FALSE					
10644	SR235345	55G	EMPLACED_CNTR	12/15/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10645	SR235346	55G	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10646	SR235347	55G	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10647	SR235348	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10648	SR235349	55G	EMPLACED_CNTR	8/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10649	SR235350	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10650	SR235351	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10651	SR235352	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10652	SR235353	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10653	SR235354	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10654	SR235355	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/31/1968	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
10655	SR235356	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10656	SR235357	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10657	SR235358	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10658	SR235359	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10659	SR235360	55G	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10660	SR235361	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10661	SR235362	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10662	SR235364	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10663	SR235365	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	3/31/1968	11/24/2003	6/30/1995	11/24/2003	12/23/1995			TRUE	TRUE	FALSE					
10664	SR235366	55G	EMPLACED_CNTR	4/30/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10665	SR235367	55G	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	3/31/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10666	SR235368	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10667	SR235369	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10668	SR235370	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10669	SR235371	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	4/4/1968	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
10670	SR235371A	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1		1/6/2004		1/6/2004				TRUE	TRUE	FALSE					
10671	SR235372	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10672	SR235373	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10673	SR235374	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10674	SR235375	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10675	SR235376	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10676	SR235377	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10677	SR235378	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10678	SR235379	55G	EMPLACED_CNTR	12/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10679	SR235380	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10680	SR235381	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10681	SR235382	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10682	SR235383	55G	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10683	SR235385	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10684	SR235386	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10685	SR235387	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10686	SR235388	55G	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10687	SR235389	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10688	SR235390	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10689	SR235391	55G	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10690	SR235392	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10691	SR235393	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10692	SR235394	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10693	SR235395	55G	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10694	SR235396	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10695	SR235397	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10696	SR235398	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10697	SR235399	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10698	SR235400	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/4/1968	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
10699	SR235401	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10700	SR235402	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10701	SR235403	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10702	SR235404	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10703	SR235405	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/4/1968	1/20/2004	6/30/1995	1/20/2004	12/23/1995			TRUE	TRUE	FALSE					
10704	SR235405A	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1		1/20/2004		1/20/2004				TRUE	TRUE	FALSE					
10705	SR235406	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10706	SR235407	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10707	SR235408	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10708	SR235410	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/5/1968	2/15/2006	6/30/1995	2/15/2006	12/23/1995			TRUE	TRUE	FALSE					
10709	SR235411	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10710	SR235412	SSG	EMPLACED_CNTR	8/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10711	SR235413	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10712	SR235414	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10713	SR235415	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10714	SR235416	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/5/1968	12/28/2005	6/30/1995	12/28/2005	12/23/1995			TRUE	TRUE	FALSE					
10715	SR235418	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10716	SR235419	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10717	SR235420	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10718	SR235421	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/7/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10719	SR235422	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/7/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10720	SR235423	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/7/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10721	SR235424	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/7/1968	12/5/2006	6/30/1995	12/5/2006	12/23/1995			TRUE	TRUE	FALSE					
10722	SR235425	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/7/1968	8/5/2003	6/30/1995	8/5/2003	12/23/1995			TRUE	TRUE	FALSE					
10723	SR235426	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/7/1968	1/8/2004	6/30/1995	1/8/2004	12/23/1995			TRUE	TRUE	FALSE					
10724	SR235427	SSG	EMPLACED_CNTR	4/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/8/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10725	SR235428	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10726	SR235429	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10727	SR235430	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Lid Removal	0	4/11/1968	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE	TRUE	FALSE					
10728	SR235431	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10729	SR235432	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10730	SR235434	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10731	SR235435	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10732	SR235437	SSG	EMPLACED_CNTR	6/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10733	SR235439	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10734	SR235440	SSG	EMPLACED_CNTR	5/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10735	SR235441	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10736	SR235442	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10737	SR235443	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10738	SR235445	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10739	SR235446	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10740	SR235448	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10741	SR235449	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10742	SR235450	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10743	SR235451	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10744	SR235452	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10745	SR235453	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10746	SR235454	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10747	SR235455	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10748	SR235456	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10749	SR235457	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10750	SR235458	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10751	SR235459	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/18/1968	1/27/2006	6/30/1995	1/27/2006	12/23/1995			TRUE	TRUE	FALSE					
10752	SR235460	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10753	SR235461	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10754	SR235462	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10755	SR235463	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10756	SR235464	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10757	SR235465	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10758	SR235466	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10759	SR235467	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10760	SR235468	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10761	SR235469	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10762	SR235470	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10763	SR235472	SSG	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/18/1968	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
10764	SR235473	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10765	SR235474	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10766	SR235475	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10767	SR235476	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10768	SR235477	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10769	SR235478	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10770	SR235479	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10771	SR235480	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10772	SR235481	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10773	SR235482	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10774	SR235483	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10775	SR235484	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/18/1968	3/26/2004	6/30/1995	3/26/2004	12/23/1995			TRUE	TRUE	FALSE					
10776	SR235485	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10777	SR235486	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		1	4/19/1968	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
10778	SR235487	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/19/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10779	SR235488	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/19/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10780	SR235489	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/19/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10781	SR235490	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/19/1968	1/13/2006	6/30/1995	1/13/2006	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10782	SR235491	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	4/19/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10783	SR235492	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	4/20/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10784	SR235493	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	4/20/1988	11/15/2003	6/30/1995	11/15/2003	12/31/1995			TRUE	TRUE	FALSE					
10785	SR235494	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	4/20/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10786	SR235495	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	4/20/1988	3/1/2006	6/30/1995	3/1/2006	12/31/1995			TRUE	TRUE	FALSE					
10787	SR235496	55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	4/20/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10788	SR235497	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	4/20/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10789	SR235499	55G	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/6/1988	8/7/2004	6/30/1995	8/7/2004	12/31/1995			TRUE	TRUE	FALSE					
10790	SR235500	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10791	SR235501	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/30/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10792	SR235502	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/30/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10793	SR235503	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/30/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10794	SR235504	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/30/1988	7/3/2006	11/30/1988	7/3/2006	5/15/1989			TRUE	TRUE	FALSE					
10795	SR235504A	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1		7/3/2006		7/3/2006				TRUE	TRUE	FALSE					
10796	SR235505	55G	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/30/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10797	SR235506	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10798	SR235507	55G	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10799	SR235508	55G	EMPLACED_CNTR	4/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10800	SR235509	55G	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1988	3/16/2004	12/1/1988	3/16/2004	5/26/1989			TRUE	TRUE	FALSE					
10801	SR235509A	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1		3/16/2004		3/16/2004				TRUE	TRUE	FALSE					
10802	SR235510	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10803	SR235511	55G	EMPLACED_CNTR	1/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10804	SR235512	55G	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10805	SR235513	55G	EMPLACED_CNTR	7/19/2001	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10806	SR235514	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10807	SR235515	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/1/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10808	SR235516	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/7/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10809	SR235517	55G	EMPLACED_CNTR	2/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/7/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10810	SR235518	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/7/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10811	SR235519	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/7/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10812	SR235520	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/7/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10813	SR235521	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10814	SR235522	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	V&P Vent	0	12/5/1988	12/5/1988	6/30/1995	12/12/2006	12/31/1995			TRUE	TRUE	FALSE					
10815	SR235523	55G	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/5/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10816	SR235524	55G	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/5/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10817	SR235525	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/5/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10818	SR235526	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/5/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10819	SR235527	55G	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10820	SR235528	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10821	SR235529	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10822	SR235530	55G	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10823	SR235531	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10824	SR235532	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/6/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10825	SR235533	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/9/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10826	SR235534	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/9/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10827	SR235535	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/9/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10828	SR235536	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/9/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10829	SR235537	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/8/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10830	SR235538	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/9/1988	11/18/2003	6/30/1995	11/18/2003	12/31/1995			TRUE	TRUE	FALSE					
10831	SR235539	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/9/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10832	SR235541	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10833	SR235542	55G	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10834	SR235543	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10835	SR235544	55G	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Lid Removal	0	12/12/1988	2/25/2003	6/30/1995	2/25/2003	12/31/1995			TRUE	TRUE	FALSE					
10836	SR235545	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10837	SR235546	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10838	SR235547	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10839	SR235548	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10840	SR235549	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/12/1988	8/9/2003	6/30/1995	8/9/2003	12/31/1995			TRUE	TRUE	FALSE					
10841	SR235550	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10842	SR235551	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10843	SR235552	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10844	SR235553	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/12/1988	12/25/2003	6/30/1995	12/25/2003	12/31/1995			TRUE	TRUE	FALSE					
10845	SR235554	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/13/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10846	SR235555	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/12/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10847	SR235556	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10848	SR235557	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10849	SR235558	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10850	SR235559	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10851	SR235560	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10852	SR235561	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10853	SR235562	55G	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/14/1988	8/7/2005	6/30/1995	8/7/2005	12/31/1995			TRUE	TRUE	FALSE					
10854	SR235563	55G	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10855	SR235564	55G	EMPLACED_CNTR	8/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/14/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10856	SR235565	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/15/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10857	SR235566	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/15/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10858	SR235567	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10859	SR235568	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/15/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10860	SR235569	55G	EMPLACED_CNTR	3/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/15/1988	10/13/2003	6/30/1995	10/13/2003	12/31/1995			TRUE	TRUE	FALSE					
10861	SR235570	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	12/15/1988	3/18/2006	6/30/1995	3/18/2006	12/31/1995			TRUE	TRUE	FALSE					
10862	SR235571	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/15/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10863	SR235572	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10864	SR235573	55G	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/15/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10865	SR235574	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10866	SR235575	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10867	SR235576	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10868	SR235577	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					
10869	SR235578	55G	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	12/16/1988		6/30/1995		12/31/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10870	SR235579		SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223J-Met-A	55400		0	12/16/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10871	SR235580		SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223J-Met-A	55400		0	12/16/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10872	SR235581		SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/16/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10873	SR235582		SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/16/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10874	SR235583		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/16/1988	7/1/2003	6/30/1995	7/1/2003	12/23/1995		TRUE	TRUE	FALSE					
10875	SR235584		SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Lid Removal	0	12/16/1988	2/19/2003	6/30/1995	2/19/2003	12/23/1995		TRUE	TRUE	FALSE					
10876	SR235585		SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/16/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10877	SR235586		SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223J-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10878	SR235587		SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10879	SR235588		SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10880	SR235589		SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10881	SR235591		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10882	SR235592		SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10883	SR235593		SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10884	SR235594		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10885	SR235595		SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10886	SR235596		SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10887	SR235597		SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10888	SR235598		SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10889	SR235599		SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10890	SR235600		SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10891	SR235601		SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10892	SR235602		SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10893	SR235603		SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10894	SR235605		SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10895	SR235606		SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10896	SR235607		SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10897	SR235608		SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/19/1988	3/5/2008	6/30/1995	3/5/2008	12/23/1995		TRUE	TRUE	FALSE					
10898	SR235609		SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/19/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10899	SR235610		SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10900	SR235611		SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10901	SR235612		SSG	EMPLACED_CNTR	12/19/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10902	SR235613		SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10903	SR235614		SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/20/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10904	SR235615		SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10905	SR235616		SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10906	SR235617		SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/21/1988	11/22/2003	6/30/1995	11/22/2003	12/23/1995		TRUE	TRUE	FALSE					
10907	SR235618		SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10908	SR235619		SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10909	SR235620		SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10910	SR235621		SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10911	SR235622		SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10912	SR235623		SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10913	SR235624		SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10914	SR235625		SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10915	SR235627		SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/21/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10916	SR235628		SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10917	SR235629		SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10918	SR235631		SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10919	SR235632		SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10920	SR235633		SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10921	SR235634		SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10922	SR235635		SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10923	SR235636		SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/22/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10924	SR235637		SSG	EMPLACED_CNTR	8/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10925	SR235638		SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10926	SR235639		SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/27/1988	8/20/2003	6/30/1995	8/20/2003	12/23/1995		TRUE	TRUE	FALSE					
10927	SR235640		SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10928	SR235641		SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10929	SR235642		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10930	SR235643		SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10931	SR235644		SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10932	SR235645		SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/28/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10933	SR235646		SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10934	SR235647		SSG	EMPLACED_CNTR	1/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10935	SR235649		SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10936	SR235650		SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10937	SR235651		SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/27/1988	8/7/2004	6/30/1995	8/7/2004	12/23/1995		TRUE	TRUE	FALSE					
10938	SR235652		SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10939	SR235653		SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10940	SR235654		SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/27/1988	12/31/2003	6/30/1995	12/31/2003	12/23/1995		TRUE	TRUE	FALSE					
10941	SR235655		SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10942	SR235656		SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400	Remediate	1	12/27/1988	11/26/2003	6/30/1995	11/26/2003	12/23/1995		TRUE	TRUE	FALSE					
10943	SR235657		SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10944	SR235658		SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10945	SR235659		SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10946	SR235660		SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10947	SR235661		SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10948	SR235662		SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10949	SR235663		SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10950	SR235664		SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/28/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10951	SR235665		SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/27/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10952	SR235666		SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/28/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10953	SR235667		SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/28/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10954	SR235668		SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	12/28/1988		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10955	SR235669		SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	1/3/1989		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10956	SR235670		SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	1/3/1989		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
10957	SR235671		SSG	EMPLACED_CNTR	1/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-223F-Met-A	55400		0	1/3/1989		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
10958	SR235672	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10959	SR235673	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10960	SR235674	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10961	SR235675	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10962	SR235676	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10963	SR235677	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10964	SR235678	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10965	SR235679	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10966	SR235680	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10967	SR235681	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10968	SR235682	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10969	SR235683	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/3/1989	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
10970	SR235684	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	1/3/1989	1/3/1989	6/30/1995	9/24/2005	12/23/1995			TRUE	TRUE	FALSE					
10971	SR235685	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10972	SR235686	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10973	SR235687	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10974	SR235688	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10975	SR235689	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/3/1989	11/15/2003	6/30/1995	11/15/2003	12/23/1995			TRUE	TRUE	FALSE					
10976	SR235691	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/3/1989	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
10977	SR235692	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10978	SR235693	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10979	SR235694	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10980	SR235695	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10981	SR235696	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10982	SR235697	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10983	SR235698	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/6/1989	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
10984	SR235699	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10985	SR235701	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/9/1989	12/23/2003	6/30/1995	12/23/2003	12/23/1995			TRUE	TRUE	FALSE					
10986	SR235702	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10987	SR235703	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10988	SR235704	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10989	SR235705	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10990	SR235706	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10991	SR235707	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10992	SR235708	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10993	SR235709	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/9/1989	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
10994	SR235710	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10995	SR235711	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10996	SR235712	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10997	SR235713	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10998	SR235714	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
10999	SR235715	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11000	SR235716	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11001	SR235717	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11002	SR235718	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11003	SR235720	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11004	SR235721	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11005	SR235722	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/10/1989	1/1/2004	6/30/1995	1/1/2004	12/23/1995			TRUE	TRUE	FALSE					
11006	SR235723	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11007	SR235724	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11008	SR235725	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11009	SR235726	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11010	SR235727	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11011	SR235728	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11012	SR235729	SSG	EMPLACED_CNTR	4/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11013	SR235730	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11014	SR235731	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11015	SR235732	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11016	SR235733	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11017	SR235734	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11018	SR235735	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11019	SR235736	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11020	SR235737	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11021	SR235738	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11022	SR235739	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11023	SR235740	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11024	SR235741	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11025	SR235743	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/13/1989	4/1/2004	1/13/1989	4/1/2004	7/8/1989			TRUE	TRUE	FALSE					
11026	SR235744	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11027	SR235745	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11028	SR235746	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11029	SR235747	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11030	SR235748	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11031	SR236001	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11032	SR236002	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11033	SR236003	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11034	SR236004	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11035	SR236005	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11036	SR236006	SSG	EMPLACED_CNTR	11/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	1/16/1989	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
11037	SR236007	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11038	SR236008	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11039	SR236009	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11040	SR236010	SSG	EMPLACED_CNTR	4/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11041	SR236011	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11042	SR236012	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11043	SR236013	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11044	SR236014	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11045	SR236015	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	1/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11046	SR236016	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11047	SR236017	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/19/1989	10/19/2007	6/30/1995	10/19/2007	12/23/1995			TRUE	TRUE	FALSE					
11048	SR236018	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11049	SR236019	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11050	SR236020	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11051	SR236021	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11052	SR236022	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11053	SR236023	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	V&P Vent	0	1/20/1989	1/20/1988	6/30/1995	8/16/2006	12/23/1995			TRUE	TRUE	FALSE					
11054	SR236024	SSG	EMPLACED_CNTR	6/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11055	SR236025	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11056	SR236026	SSG	EMPLACED_CNTR	4/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11057	SR236027	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/20/1989	6/16/2003	6/30/1995	6/16/2003	12/24/1995			TRUE	TRUE	FALSE					
11058	SR236028	SSG	EMPLACED_CNTR	12/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11059	SR236029	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11060	SR236030	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11061	SR236031	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11062	SR236032	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11063	SR236033	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11064	SR236034	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11065	SR236035	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11066	SR236036	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11067	SR236037	SSG	EMPLACED_CNTR	1/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11068	SR236038	SSG	EMPLACED_CNTR	1/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11069	SR236039	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11070	SR236040	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11071	SR236041	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11072	SR236042	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11073	SR236043	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11074	SR236044	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11075	SR236045	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11076	SR236046	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11077	SR236047	SSG	EMPLACED_CNTR	2/4/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11078	SR236048	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	V&P Vent	0	1/24/1989	1/24/1988	6/30/1995	10/19/2006	12/23/1995			TRUE	TRUE	FALSE					
11079	SR236049	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11080	SR236050	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/24/1989	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
11081	SR236051	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11082	SR236052	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11083	SR236053	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/25/1989	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
11084	SR236054	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11085	SR236055	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11086	SR236056	SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11087	SR236057	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11088	SR236058	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11089	SR236059	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11090	SR236060	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/26/1989	1/25/2004	1/26/1989	1/25/2004	7/21/1989			TRUE	TRUE	FALSE					
11091	SR236061	SSG	EMPLACED_CNTR	6/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11092	SR236062	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11093	SR236063	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11094	SR236064	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11095	SR236065	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11096	SR236066	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11097	SR236067	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/27/1989	8/22/2003	6/30/1995	8/22/2003	12/23/1995			TRUE	TRUE	FALSE					
11098	SR236069	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11099	SR236070	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11100	SR236071	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11101	SR236072	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11102	SR236073	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11103	SR236074	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/30/1989	12/22/2003	6/30/1995	12/22/2003	12/23/1995			TRUE	TRUE	FALSE					
11104	SR236075	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11105	SR236076	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11106	SR236077	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11107	SR236078	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11108	SR236079	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11109	SR236080	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	1/30/1989	1/13/2004	6/30/1995	1/13/2004	12/23/1995			TRUE	TRUE	FALSE					
11110	SR236081	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11111	SR236082	SSG	EMPLACED_CNTR	11/1/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11112	SR236083	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11113	SR236084	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11114	SR236085	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11115	SR236086	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11116	SR236087	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11117	SR236088	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11118	SR236089	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11119	SR236090	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11120	SR236091	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11121	SR236092	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11122	SR236093	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	2/2/1989	3/14/2006	6/30/1995	3/14/2006	12/23/1995			TRUE	TRUE	FALSE					
11123	SR236094	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11124	SR236095	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	2/2/1989	8/7/2005	6/30/1995	8/7/2005	12/23/1995			TRUE	TRUE	FALSE					
11125	SR236096	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11126	SR236097	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11127	SR236098	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11128	SR236099	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11129	SR236100	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11130	SR236101	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	2/6/1989	11/25/2003	6/30/1995	11/25/2003	12/23/1995			TRUE	TRUE	FALSE					
11131	SR236102	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11132	SR236103	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11133	SR236104	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	S5400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11134	SR236105	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11135	SR236106	55G	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11136	SR236107	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400	Remediate	1	2/6/1989	1/2/2004	6/30/1995	1/2/2004	12/23/1995			TRUE	TRUE	FALSE					
11137	SR236108	55G	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11138	SR236109	55G	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11139	SR236110	55G	EMPLACED_CNTR	3/19/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11140	SR236111	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11141	SR236112	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11142	SR236113	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11143	SR236114	55G	EMPLACED_CNTR	5/5/2001	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11144	SR236115	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11145	SR236116	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11146	SR236117	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/10/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11147	SR236118	55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11148	SR236119	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11149	SR236120	55G	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11150	SR236121	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11151	SR236122	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11152	SR236123	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11153	SR236124	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11154	SR236125	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11155	SR236126	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11156	SR236127	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11157	SR236129	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11158	SR236130	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11159	SR236131	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11160	SR236132	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11161	SR236133	55G	EMPLACED_CNTR	4/30/2001	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11162	SR236134	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11163	SR236135	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11164	SR236136	55G	EMPLACED_CNTR	4/11/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11165	SR236137	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11166	SR236138	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400	Remediate	1	2/21/1989	12/14/2003	6/30/1995	12/14/2003	12/23/1995			TRUE	TRUE	FALSE					
11167	SR236139	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11168	SR236140	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400	Remediate	1	2/23/1989	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
11169	SR236141	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11170	SR236142	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11171	SR236143	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11172	SR236144	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11173	SR236145	55G	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11174	SR236147	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11175	SR236148	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11176	SR236149	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11177	SR236150	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11178	SR236151	55G	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11179	SR236152	55G	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11180	SR236153	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11181	SR236154	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11182	SR236155	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11183	SR236156	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11184	SR236157	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11185	SR236158	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11186	SR236159	55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11187	SR236160	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11188	SR236161	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11189	SR236162	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11190	SR236163	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11191	SR236164	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11192	SR236165	55G	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11193	SR236166	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11194	SR236167	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11195	SR236168	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11196	SR236169	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11197	SR236170	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11198	SR236171	55G	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400	Remediate	1	2/27/1989	10/12/2003	6/30/1995	10/12/2003	12/23/1995			TRUE	TRUE	FALSE					
11199	SR236172	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	2/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11200	SR236173	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11201	SR236174	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11202	SR236175	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11203	SR236176	55G	EMPLACED_CNTR	1/21/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11204	SR236177	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11205	SR236178	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11206	SR236179	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11207	SR236180	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11208	SR236181	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11209	SR236182	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11210	SR236183	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11211	SR236184	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11212	SR236185	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11213	SR236186	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11214	SR236187	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11215	SR236188	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11216	SR236189	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11217	SR236190	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11218	SR236191	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11219	SR236192	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11220	SR236193	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11221	SR236194	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	55400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11222	SR236195	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11223	SR236196	SSG	EMPLACED_CNTR	3/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11224	SR236197	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11225	SR236198	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11226	SR236199	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11227	SR236201	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11228	SR236202	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11229	SR236203	SSG	EMPLACED_CNTR	8/29/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11230	SR236204	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11231	SR236205	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11232	SR236206	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11233	SR236207	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11234	SR236208	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11235	SR236209	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11236	SR236210	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11237	SR236211	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11238	SR236212	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11239	SR236213	SSG	EMPLACED_CNTR	1/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11240	SR236214	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11241	SR236215	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11242	SR236216	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11243	SR236217	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11244	SR236218	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11245	SR236219	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11246	SR236220	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11247	SR236221	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11248	SR236222	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11249	SR236223	SSG	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11250	SR236224	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11251	SR236225	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11252	SR236226	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11253	SR236227	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/16/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11254	SR236229	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11255	SR236230	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	3/21/1989	6/6/2003	6/30/1995	6/6/2003	12/23/1995			TRUE	TRUE	FALSE					
11256	SR236231	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11257	SR236232	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11258	SR236233	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11259	SR236234	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11260	SR236235	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11261	SR236236	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11262	SR236238	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	3/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11263	SR236239	SSG	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	3/27/1989	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
11264	SR236240	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	3/27/1989	12/27/2003	6/30/1995	12/27/2003	12/23/1995			TRUE	TRUE	FALSE					
11265	SR236241	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11266	SR236242	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11267	SR236243	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11268	SR236244	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/11/1989	10/14/2003	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
11269	SR236245	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11270	SR236248	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11271	SR236247	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11272	SR236248	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11273	SR236249	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11274	SR236250	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11275	SR236501	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11276	SR236502	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11277	SR236503	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11278	SR236504	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11279	SR236505	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11280	SR236506	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11281	SR236507	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11282	SR236508	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11283	SR236509	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11284	SR236510	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11285	SR236511	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11286	SR236512	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11287	SR236513	SSG	EMPLACED_CNTR	12/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11288	SR236514	SSG	EMPLACED_CNTR	3/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11289	SR236515	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/14/1989	10/10/2003	6/30/1995	10/10/2003	12/23/1995			TRUE	TRUE	FALSE					
11290	SR236516	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11291	SR236518	SSG	EMPLACED_CNTR	4/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11292	SR236519	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11293	SR236520	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11294	SR236521	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11295	SR236522	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11296	SR236523	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11297	SR236524	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11298	SR236525	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11299	SR236526	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11300	SR236527	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11301	SR236528	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/24/1989	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
11302	SR236529	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11303	SR236531	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11304	SR236532	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11305	SR236533	SSG	EMPLACED_CNTR	1/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11306	SR236534	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	4/27/1989	12/8/2003	6/30/1995	12/8/2003	12/23/1995			TRUE	TRUE	FALSE					
11307	SR236535	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	4/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11308	SR236536	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	5/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11309	SR236537	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	5/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11310	SR236538	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11311	SR236539	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11312	SR236540	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11313	SR236541	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11314	SR236542	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11315	SR236544	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11316	SR236545	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11317	SR236546	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11318	SR236547	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11319	SR236548	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11320	SR236549	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11321	SR236550	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11322	SR236551	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11323	SR236552	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11324	SR236553	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/8/1989	11/15/2003	6/30/1995	11/15/2003	12/23/1995			TRUE	TRUE	FALSE					
11325	SR236554	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11326	SR236555	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11327	SR236556	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11328	SR236557	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11329	SR236558	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11330	SR236559	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11331	SR236561	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11332	SR236562	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/11/1989	1/11/2004	6/30/1995	1/11/2004	12/23/1995			TRUE	TRUE	FALSE					
11333	SR236563	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11334	SR236564	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/11/1989	11/1/2006	6/30/1995	11/1/2006	12/23/1995			TRUE	TRUE	FALSE					
11335	SR236565	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11336	SR236566	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/11/1989	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
11337	SR236567	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/11/1989	4/22/2003	6/30/1995	4/22/2003	12/23/1995			TRUE	TRUE	FALSE					
11338	SR236568	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11339	SR236569	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11340	SR236570	SSG	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11341	SR236571	SSG	EMPLACED_CNTR	8/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11342	SR236572	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11343	SR236573	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11344	SR236574	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11345	SR236575	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11346	SR236576	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11347	SR236577	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/21/1989	1/4/2004	6/30/1995	1/4/2004	12/23/1995			TRUE	TRUE	FALSE					
11348	SR236578	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11349	SR236579	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11350	SR236580	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11351	SR236581	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11352	SR236582	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/21/1989	12/20/2003	6/30/1995	12/20/2003	12/23/1995			TRUE	TRUE	FALSE					
11353	SR236583	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11354	SR236584	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11355	SR236585	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11356	SR236586	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11357	SR236587	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/11/1989	4/16/2004	6/30/1995	4/16/2004	12/23/1995			TRUE	TRUE	FALSE					
11358	SR236588	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11359	SR236589	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11360	SR236590	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11361	SR236591	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11362	SR236592	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11363	SR236593	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11364	SR236594	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11365	SR236595	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11366	SR236596	SSG	EMPLACED_CNTR	5/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11367	SR236597	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11368	SR236598	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	NCR-SRS-05118-04	1	5/23/1989	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
11369	SR236599	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/23/1989	12/23/2003	6/30/1995	12/23/2003	12/23/1995			TRUE	TRUE	FALSE					
11370	SR236600	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11371	SR236601	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11372	SR236602	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11373	SR236603	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/23/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11374	SR236604	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11375	SR236605	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11376	SR236606	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11377	SR236607	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/30/1989	7/23/2003	6/30/1995	7/23/2003	12/23/1995			TRUE	TRUE	FALSE					
11378	SR236608	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11379	SR236609	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11380	SR236610	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11381	SR236611	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11382	SR236612	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11383	SR236613	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11384	SR236614	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11385	SR236615	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11386	SR236616	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11387	SR236617	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11388	SR236618	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11389	SR236619	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11390	SR236620	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11391	SR236621	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11392	SR236622	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11393	SR236623	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11394	SR236624	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11395	SR236625	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11396	SR236626	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11397	SR236627	55G	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11398	SR236628	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11399	SR236629	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11400	SR236630	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11401	SR236632	55G	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11402	SR236633	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11403	SR236634	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11404	SR236635	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11405	SR236636	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11406	SR236637	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11407	SR236638	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11408	SR236639	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11409	SR236640	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11410	SR236641	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11411	SR236642	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11412	SR236643	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11413	SR236644	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11414	SR236645	55G	EMPLACED_CNTR	4/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11415	SR236646	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11416	SR236647	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11417	SR236648	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/5/1989	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
11418	SR236649	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11419	SR236650	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11420	SR236651	55G	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11421	SR236652	55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11422	SR236653	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11423	SR236654	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11424	SR236655	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11425	SR236656	55G	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11426	SR236657	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11427	SR236658	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/12/1989	12/27/2003	6/30/1995	12/27/2003	12/23/1995			TRUE	TRUE	FALSE					
11428	SR236659	55G	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/12/1989	11/7/2003	6/30/1995	11/7/2003	12/23/1995			TRUE	TRUE	FALSE					
11429	SR236660	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11430	SR236661	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11431	SR236662	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11432	SR236663	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11433	SR236664	55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11434	SR236665	55G	EMPLACED_CNTR	3/18/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11435	SR236666	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/20/1989	6/11/2003	6/30/1995	6/11/2003	12/23/1995			TRUE	TRUE	FALSE					
11436	SR236667	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11437	SR236668	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11438	SR236669	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11439	SR236670	55G	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11440	SR236671	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11441	SR236672	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/30/1989	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
11442	SR236673	55G	EMPLACED_CNTR	7/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	6/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11443	SR236674	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11444	SR236675	55G	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11445	SR236676	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11446	SR236677	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11447	SR236678	55G	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11448	SR236679	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/6/1989	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
11449	SR236680	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11450	SR236681	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11451	SR236682	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/13/1989	8/20/2003	6/30/1995	8/20/2003	12/23/1995			TRUE	TRUE	FALSE					
11452	SR236683	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11453	SR236684	55G	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11454	SR236685	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11455	SR236686	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/17/1989	1/7/2004	6/30/1995	1/7/2004	12/23/1995			TRUE	TRUE	FALSE					
11456	SR236687	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11457	SR236688	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11458	SR236689	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11459	SR236690	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11460	SR236691	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/17/1989	6/7/2003	6/30/1995	6/7/2003	12/23/1995			TRUE	TRUE	FALSE					
11461	SR236692	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11462	SR236693	55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11463	SR236694	55G	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11464	SR236695	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11465	SR236696	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11466	SR236697	55G	EMPLACED_CNTR	1/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	V&P Vent	0	7/17/1989	7/17/1989	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
11467	SR236698	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11468	SR236699	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11469	SR236700	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11470	SR236701	55G	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11471	SR236702	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400	Lid Removal	0	7/19/1989	2/25/2003	6/30/1995	2/25/2003	12/23/1995			TRUE	TRUE	FALSE					
11472	SR236703	55G	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11473	SR236704	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11474	SR236705	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11475	SR236706	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11476	SR236708	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11477	SR236710	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11478	SR236711	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11479	SR236712	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11480	SR236713	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11481	SR236714	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11482	SR236715	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11483	SR236716	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11484	SR236717	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	55400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11485	SR236718	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Lid Removal	0	7/24/1989	2/25/2003	6/30/1995	2/25/2003	12/23/1995			TRUE	TRUE	FALSE					
11486	SR236719	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11487	SR236721	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11488	SR236722	SSG	EMPLACED_CNTR	9/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11489	SR236723	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11490	SR236724	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11491	SR236725	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11492	SR236726	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11493	SR236727	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11494	SR236728	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1989	10/24/2007	6/30/1995	10/24/2007	12/23/1995			TRUE	TRUE	FALSE					
11495	SR236729	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11496	SR236730	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11497	SR236731	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11498	SR236732	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11499	SR236733	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11500	SR236734	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11501	SR236735	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11502	SR236736	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11503	SR236737	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11504	SR236738	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11505	SR236739	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11506	SR236740	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11507	SR236741	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11508	SR236742	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11509	SR236743	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11510	SR236744	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11511	SR236746	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11512	SR236747	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	VE	0	7/27/1989	10/1/2003	6/30/1995	10/1/2003	12/23/1995			TRUE	TRUE	FALSE					
11513	SR236748	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11514	SR236749	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11515	SR236750	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	7/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11516	SR236752	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11517	SR236753	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11518	SR236754	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/1/1989	8/9/2003	6/30/1995	8/9/2003	12/23/1995			TRUE	TRUE	FALSE					
11519	SR236755	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11520	SR236756	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11521	SR236757	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11522	SR236758	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11523	SR236759	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11524	SR236760	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11525	SR236761	SSG	EMPLACED_CNTR	8/12/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11526	SR236762	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/1/1989	9/26/2003	6/30/1995	9/26/2003	12/23/1995			TRUE	TRUE	FALSE					
11527	SR236763	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11528	SR236764	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/3/1989	1/13/2004	6/30/1995	1/13/2004	12/23/1995			TRUE	TRUE	FALSE					
11529	SR236765	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11530	SR236766	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11531	SR236767	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11532	SR236768	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/7/1989	8/10/2003	6/30/1995	8/10/2003	12/23/1995			TRUE	TRUE	FALSE					
11533	SR236769	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11534	SR236770	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11535	SR236772	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11536	SR236773	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/8/1989	11/28/2006	6/30/1995	11/28/2006	12/23/1995			TRUE	TRUE	FALSE					
11537	SR236774	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11538	SR236775	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11539	SR236776	SSG	EMPLACED_CNTR	8/28/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11540	SR236778	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11541	SR236779	SSG	EMPLACED_CNTR	2/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11542	SR236780	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	0	8/21/1989	11/18/2009	6/30/1995	11/18/2009	12/23/1995	WWS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
11543	SR236780A	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	11/18/2009		11/18/2009		5/13/2010	WWS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
11544	SR236781	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11545	SR236782	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11546	SR236783	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11547	SR236784	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11548	SR236785	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11549	SR236786	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/1/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11550	SR236787	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11551	SR236788	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11552	SR236789	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11553	SR236790	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11554	SR236791	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11555	SR236792	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11556	SR236793	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11557	SR236794	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11558	SR236795	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	8/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11559	SR236796	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11560	SR236797	SSG	EMPLACED_CNTR	3/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11561	SR236798	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11562	SR236799	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11563	SR236800	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11564	SR236801	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11565	SR236802	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11566	SR236803	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11567	SR236804	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11568	SR236805	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11569	SR236806	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11570	SR236807	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11571	SR236808	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11572	SR236809	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11573	SR236810	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11574	SR236811	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11575	SR236812	SSG	EMPLACED_CNTR	4/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11576	SR236813	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11577	SR236814	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11578	SR236815	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11579	SR236816	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11580	SR236817	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11581	SR236818	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11582	SR236819	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/7/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11583	SR236820	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	9/7/1989	6/13/2003	6/30/1995	6/13/2003	12/23/1995			TRUE	TRUE	FALSE					
11584	SR236821	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11585	SR236823	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11586	SR236824	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11587	SR236825	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11588	SR236826	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11589	SR236827	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11590	SR236828	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11591	SR236829	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11592	SR236830	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11593	SR236831	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11594	SR236832	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11595	SR236833	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11596	SR236834	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11597	SR236835	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11598	SR236837	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11599	SR236838	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11600	SR236839	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11601	SR236840	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11602	SR236841	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11603	SR236842	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11604	SR236843	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11605	SR236844	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11606	SR236845	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11607	SR236846	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11608	SR236847	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11609	SR236848	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11610	SR236851	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11611	SR236852	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11612	SR236853	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11613	SR236854	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11614	SR236855	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11615	SR236856	SSG	EMPLACED_CNTR	8/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11616	SR236857	SSG	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11617	SR236858	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11618	SR236860	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	10/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11619	SR236861	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11620	SR236862	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11621	SR236863	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11622	SR236864	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11623	SR236865	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11624	SR236866	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11625	SR236867	SSG			5/1/2012 15:16	recovered	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995					TRUE	TRUE	TRUE					
11626	SR236868	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11627	SR236869	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11628	SR236870	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11629	SR236871	SSG	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11630	SR236872	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11631	SR236873	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11632	SR236874	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11633	SR236875	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11634	SR236876	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11635	SR236877	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11636	SR236878	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11637	SR236879	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11638	SR236880	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11639	SR236881	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11640	SR236882	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11641	SR236883	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11642	SR236884	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11643	SR236885	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11644	SR236886	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11645	SR236887	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11646	SR236888	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11647	SR236889	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11648	SR236890	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11649	SR236891	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11650	SR236892	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11651	SR236893	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11652	SR236894	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11653	SR236895	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11654	SR236896	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11655	SR236897	SSG	EMPLACED_CNTR	8/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11656	SR236898	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11657	SR236899	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11658	SR236900	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11659	SR236901	SSG	EMPLACED_CNTR	9/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11660	SR236902	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	SS400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11661	SR236903	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	11/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11662	SR236905	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11663	SR236906	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11664	SR236907	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11665	SR236908	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11666	SR236909	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11667	SR236910	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11668	SR236911	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11669	SR236912	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11670	SR236913	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11671	SR236914	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11672	SR236915	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11673	SR236917	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11674	SR236918	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11675	SR236919	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11676	SR236920	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11677	SR236921	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11678	SR236922	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11679	SR236923	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400	Remediate	1	12/11/1989	6/9/2003	6/30/1995	6/9/2003	12/23/1995			TRUE	TRUE	FALSE					
11680	SR236924	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11681	SR236925	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11682	SR236926	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11683	SR236927	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11684	SR236928	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11685	SR236929	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11686	SR236930	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11687	SR236931	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/11/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11688	SR236932	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11689	SR236933	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11690	SR236934	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11691	SR236935	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11692	SR236936	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11693	SR236937	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11694	SR236938	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11695	SR236939	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11696	SR236940	SSG	EMPLACED_CNTR	7/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11697	SR236941	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11698	SR236942	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11699	SR236943	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11700	SR236944	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11701	SR236945	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11702	SR236946	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11703	SR236947	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11704	SR236948	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11705	SR236949	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11706	SR236950	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	12/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11707	SR236951	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11708	SR236952	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11709	SR236953	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11710	SR236954	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11711	SR236955	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11712	SR236956	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/5/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11713	SR236957	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/5/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11714	SR236958	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/5/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11715	SR236959	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/5/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11716	SR236960	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/5/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11717	SR236961	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/8/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11718	SR236962	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/8/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11719	SR236963	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/8/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11720	SR236964	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/8/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11721	SR236965	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11722	SR236966	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11723	SR236967	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11724	SR236968	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11725	SR236969	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11726	SR236970	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11727	SR236971	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11728	SR236972	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11729	SR236973	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11730	SR236974	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11731	SR236975	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11732	SR236976	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11733	SR236977	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11734	SR236978	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11735	SR236979	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11736	SR236981	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11737	SR236982	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11738	SR236983	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11739	SR236984	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/18/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11740	SR236985	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11741	SR236987	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11742	SR236988	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11743	SR236989	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11744	SR236990	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11745	SR236991	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11746	SR236992	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11747	SR236993	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11748	SR236994	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	S5400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11749	SR236995	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	1/23/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11750	SR237251	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11751	SR237252	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Lid Removal	0	4/22/1988	3/14/2003	6/30/1995	3/14/2003	12/23/1995			TRUE	TRUE	FALSE					
11752	SR237253	55G			5/1/2012 15:16	mccabed	SR-W027-221F-Het-A	55400		0	4/21/1988		6/30/1995					TRUE	TRUE	TRUE					
11753	SR237254	55G	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	4/21/1988	3/16/2004	6/30/1995	3/16/2004	12/23/1995			TRUE	TRUE	FALSE					
11754	SR237255	55G	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11755	SR237256	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11756	SR237257	55G	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11757	SR237258	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11758	SR237259	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11759	SR237260	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	4/22/1988	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
11760	SR237261	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11761	SR237262	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11762	SR237263	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11763	SR237264	55G	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11764	SR237265	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11765	SR237266	55G	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11766	SR237267	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11767	SR237268	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11768	SR237269	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11769	SR237270	55G	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11770	SR237271	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11771	SR237272	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11772	SR237273	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11773	SR237274	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11774	SR237275	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11775	SR237276	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11776	SR237277	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11777	SR237278	55G	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11778	SR237279	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	4/26/1988	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
11779	SR237280	55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11780	SR237281	55G	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11781	SR237282	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11782	SR237283	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11783	SR237284	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11784	SR237285	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11785	SR237286	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/4/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11786	SR237287	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11787	SR237288	55G	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11788	SR237289	55G	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/4/1988	6/9/2004	6/30/1995	6/9/2004	12/23/1995			TRUE	TRUE	FALSE					
11789	SR237290	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11790	SR237291	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11791	SR237292	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11792	SR237293	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11793	SR237294	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11794	SR237295	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11795	SR237296	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11796	SR237297	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11797	SR237298	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11798	SR237299	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11799	SR237301	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11800	SR237302	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11801	SR237303	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11802	SR237304	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11803	SR237305	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11804	SR237306	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/9/1988	1/24/2007	6/30/1995	1/24/2007	12/23/1995			TRUE	TRUE	FALSE					
11805	SR237307	55G	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11806	SR237308	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11807	SR237309	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11808	SR237310	55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11809	SR237311	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11810	SR237312	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11811	SR237313	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11812	SR237314	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11813	SR237315	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11814	SR237316	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11815	SR237317	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11816	SR237318	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11817	SR237319	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11818	SR237320	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11819	SR237321	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11820	SR237322	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11821	SR237323	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11822	SR237324	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11823	SR237325	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11824	SR237326	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11825	SR237327	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11826	SR237328	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11827	SR237329	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11828	SR237330	55G	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11829	SR237331	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11830	SR237332	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11831	SR237333	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11832	SR237334	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11833	SR237335	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11834	SR237336	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/13/1988	7/23/2003	6/30/1995	7/23/2003	12/23/1995			TRUE	TRUE	FALSE					
11835	SR237337	55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11836	SR237339	55G	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	55400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11837	SR237340	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11838	SR237341	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11839	SR237342	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11840	SR237343	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/16/1988	1/13/2004	6/30/1995	1/13/2004	12/23/1995			TRUE	TRUE	FALSE					
11841	SR237344	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11842	SR237345	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11843	SR237346	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11844	SR237347	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/16/1988	1/8/2004	6/30/1995	1/8/2004	12/23/1995			TRUE	TRUE	FALSE					
11845	SR237349	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11846	SR237350	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/16/1988	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
11847	SR237351	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11848	SR237352	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Lid Removal	0	5/17/1988	1/20/2003	6/30/1995	1/20/2003	12/23/1995			TRUE	TRUE	FALSE					
11849	SR237353	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11850	SR237354	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11851	SR237355	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11852	SR237356	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11853	SR237357	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11854	SR237358	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11855	SR237359	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11856	SR237360	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11857	SR237361	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11858	SR237362	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11859	SR237363	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11860	SR237364	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11861	SR237380	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11862	SR237381	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11863	SR237382	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11864	SR237383	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11865	SR237384	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11866	SR237385	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11867	SR237386	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11868	SR237387	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11869	SR237388	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11870	SR237389	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11871	SR237390	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11872	SR237391	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11873	SR237392	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11874	SR237394	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11875	SR237395	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/23/1988	6/9/2004	6/30/1995	6/9/2004	12/23/1995			TRUE	TRUE	FALSE					
11876	SR237396	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11877	SR237397	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11878	SR237398	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11879	SR237399	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11880	SR237400	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11881	SR237401	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11882	SR237402	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11883	SR237403	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11884	SR237404	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11885	SR237405	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11886	SR237406	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11887	SR237407	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11888	SR237408	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11889	SR237409	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11890	SR237410	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/23/1988	8/7/2005	6/30/1995	8/7/2005	12/23/1995			TRUE	TRUE	FALSE					
11891	SR237411	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11892	SR237413	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11893	SR237414	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11894	SR237415	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11895	SR237416	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11896	SR237417	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11897	SR237418	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11898	SR237419	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11899	SR237420	SSG	EMPLACED_CNTR	8/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11900	SR237421	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11901	SR237422	SSG	EMPLACED_CNTR	4/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11902	SR237423	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11903	SR237424	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11904	SR237425	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/31/1988	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
11905	SR237427	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11906	SR237428	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11907	SR237429	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/31/1988	12/17/2003	6/30/1995	12/17/2003	12/23/1995			TRUE	TRUE	FALSE					
11908	SR237430	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11909	SR237431	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11910	SR237433	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11911	SR237434	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11912	SR237435	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11913	SR237436	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11914	SR237438	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11915	SR237440	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11916	SR237441	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/31/1988	8/9/2003	6/30/1995	8/9/2003	12/23/1995			TRUE	TRUE	FALSE					
11917	SR237442	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11918	SR237443	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11919	SR237444	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11920	SR237445	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11921	SR237446	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/31/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11922	SR237447	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/2/1988	1/7/2004	6/30/1995	1/7/2004	12/23/1995			TRUE	TRUE	FALSE					
11923	SR237448	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11924	SR237450	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/2/1988		6/30/1995		12/23/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11925	SR237453	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11926	SR237452	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11927	SR237453	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11928	SR237454	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11929	SR237455	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11930	SR237456	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11931	SR237457	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/2/1988	4/18/2004	6/30/1995	4/18/2004	12/23/1995			TRUE	TRUE	FALSE					
11932	SR237458	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11933	SR237459	SSG	EMPLACED_CNTR	7/21/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11934	SR237460	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11935	SR237461	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11936	SR237462	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11937	SR237463	SSG	EMPLACED_CNTR	12/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11938	SR237464	SSG	EMPLACED_CNTR	9/18/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11939	SR237465	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11940	SR237466	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11941	SR237467	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11942	SR237468	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11943	SR237470	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11944	SR237471	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11945	SR237472	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11946	SR237473	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11947	SR237474	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11948	SR237475	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11949	SR237476	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11950	SR237477	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11951	SR237478	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/2/1988	1/9/2004	6/30/1995	1/9/2004	12/23/1995			TRUE	TRUE	FALSE					
11952	SR237480	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11953	SR237481	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11954	SR237482	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11955	SR237483	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/3/1988	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
11956	SR237484	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11957	SR237485	SSG	EMPLACED_CNTR	6/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11958	SR237486	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11959	SR237487	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/3/1988	3/28/2007	6/30/1995	3/28/2007	12/23/1995			TRUE	TRUE	FALSE					
11960	SR237487A	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400				3/28/2007						TRUE	TRUE	FALSE					
11961	SR237488	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/3/1988	1/8/2004	6/30/1995	1/8/2004	12/23/1995			TRUE	TRUE	FALSE					
11962	SR237489	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11963	SR237490	SSG	EMPLACED_CNTR	8/21/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11964	SR237492	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/3/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11965	SR237494	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	6/6/1988	4/12/2004	6/30/1995	4/12/2004	12/23/1995			TRUE	TRUE	FALSE					
11966	SR237495	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11967	SR237496	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11968	SR237497	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11969	SR237498	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11970	SR237499	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11971	SR246501	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11972	SR246502	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11973	SR246503	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1987	1/10/2007	6/30/1995	1/10/2007	12/23/1995			TRUE	TRUE	FALSE					
11974	SR246504	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11975	SR246505	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1987	8/7/2005	6/30/1995	8/7/2005	12/23/1995			TRUE	TRUE	FALSE					
11976	SR246506	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11977	SR246507	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1987	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
11978	SR246508	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11979	SR246509	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11980	SR246510	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11981	SR246511	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/2/1987	12/29/2003	6/30/1995	12/29/2003	12/23/1995			TRUE	TRUE	FALSE					
11982	SR246512	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11983	SR246513	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11984	SR246514	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1987	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
11985	SR246515	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11986	SR246516	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11987	SR246517	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11988	SR246518	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11989	SR246520	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11990	SR246521	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11991	SR246522	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11992	SR246524	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11993	SR246525	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11994	SR246526	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/3/1987	11/25/2006	6/30/1995	11/25/2006	12/23/1995			TRUE	TRUE	FALSE					
11995	SR246527	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11996	SR246528	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11997	SR246529	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11998	SR246530	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11999	SR246531	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12000	SR246532	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12001	SR246533	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12002	SR246534	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12003	SR246535	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12004	SR246536	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/1/1987	3/12/2003	6/30/1995	3/12/2003	12/23/1995			TRUE	TRUE	FALSE					
12005	SR246537	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12006	SR246538	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400	Remediate	1	12/7/1987	5/1/2003	6/30/1995	5/1/2003	12/23/1995			TRUE	TRUE	FALSE					
12007	SR246539	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12008	SR246540	SSG	EMPLACED_CNTR	12/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12009	SR246541	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12010	SR246542	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12011	SR246543	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12012	SR246544	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Upd	SR-W027-221F-Het-A	55400		0	12/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12013	SR246545	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12014	SR246546	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/7/1987	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
12015	SR246547	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12016	SR246548	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12017	SR246550	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12018	SR246551	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12019	SR246552	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12020	SR246553	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12021	SR246554	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12022	SR246555	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12023	SR246556	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12024	SR246557	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12025	SR246558	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12026	SR246559	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12027	SR246561	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12028	SR246562	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12029	SR246563	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12030	SR246564	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/10/1987	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
12031	SR246565	SSG	EMPLACED_CNTR	3/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/10/1987	12/4/2006	6/30/1995	12/4/2006	12/23/1995			TRUE	TRUE	FALSE					
12032	SR246567	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/10/1987	11/15/2003	6/30/1995	11/15/2003	12/23/1995			TRUE	TRUE	FALSE					
12033	SR246568	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12034	SR246569	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	V&P Vent	0	12/10/1987	12/10/1987	6/30/1995	11/12/2006	12/23/1995			TRUE	TRUE	FALSE					
12035	SR246570	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/10/1987	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
12036	SR246572	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12037	SR246573	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12038	SR246574	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12039	SR246575	SSG	EMPLACED_CNTR	6/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/11/1987	11/7/2005	6/30/1995	11/7/2005	12/23/1995			TRUE	TRUE	FALSE					
12040	SR246576	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12041	SR246577	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12042	SR246578	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/11/1987	4/1/2007	6/30/1995	4/1/2007	12/23/1995			TRUE	TRUE	FALSE					
12043	SR246579	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/11/1987	1/8/2004	6/30/1995	1/8/2004	12/23/1995			TRUE	TRUE	FALSE					
12044	SR246580	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/11/1987	11/6/2005	6/30/1995	11/6/2005	12/23/1995			TRUE	TRUE	FALSE					
12045	SR246581	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12046	SR246582	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12047	SR246583	SSG	EMPLACED_CNTR	1/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12048	SR246584	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12049	SR246585	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12050	SR246586	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12051	SR246587	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12052	SR246588	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12053	SR246589	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12054	SR246590	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12055	SR246591	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12056	SR246592	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12057	SR246595	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12058	SR246596	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/14/1987	1/20/2004	6/30/1995	1/20/2004	12/23/1995			TRUE	TRUE	FALSE					
12059	SR246597	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/14/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12060	SR246598	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12061	SR246599	SSG	EMPLACED_CNTR	9/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12062	SR246601	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12063	SR246602	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12064	SR246603	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12065	SR246604	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12066	SR246605	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12067	SR246606	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12068	SR246607	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12069	SR246608	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12070	SR246609	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12071	SR246610	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12072	SR246612	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12073	SR246613	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12074	SR246614	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12075	SR246615	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12076	SR246616	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12077	SR246617	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12078	SR246618	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12079	SR246619	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12080	SR246620	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12081	SR246621	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12082	SR246622	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12083	SR246623	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12084	SR246625	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12085	SR246626	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/21/1987	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
12086	SR246627	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/21/1987	11/18/2003	6/30/1995	11/18/2003	12/23/1995			TRUE	TRUE	FALSE					
12087	SR246628	SSG	EMPLACED_CNTR	8/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12088	SR246629	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12089	SR246630	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	V&P Vent	0	12/21/1987	12/21/1987	6/30/1995	10/17/2003	12/23/1995			TRUE	TRUE	FALSE					
12090	SR246631	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	1/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12091	SR246632	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	1/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12092	SR246633	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12093	SR246634	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12094	SR246635	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12095	SR246636	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400	Remediate	1	12/22/1987	2/9/2004	6/30/1995	2/9/2004	12/23/1995			TRUE	TRUE	FALSE					
12096	SR246637	SSG	EMPLACED_CNTR	1/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12097	SR246638	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12098	SR246639	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12099	SR246640	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12100	SR246641	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Het-A	S5400		0	12/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12101	SR246642	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/23/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12102	SR246643	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/23/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12103	SR246644	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/23/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12104	SR246645	SSG	EMPLACED_CNTR	3/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/23/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12105	SR246646	SSG	EMPLACED_CNTR	8/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/29/1967	4/20/2004	6/30/1995	4/20/2004	12/23/1995			TRUE	TRUE	FALSE					
12106	SR246647	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12107	SR246648	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	12/24/2003	6/30/1995	12/24/2003	12/23/1995			TRUE	TRUE	FALSE					
12108	SR246650	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12109	SR246651	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12110	SR246652	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12111	SR246653	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	12/20/2003	6/30/1995	12/20/2003	12/13/1995			TRUE	TRUE	FALSE					
12112	SR246654	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	10/21/2006	6/30/1995	10/21/2006	12/23/1995			TRUE	TRUE	FALSE					
12113	SR246656A	SSG	EMPLACED_CNTR	10/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	remediate	1		3/24/2006		3/24/2006				TRUE	TRUE	FALSE					
12114	SR246657	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12115	SR246658	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	5/2/2006	6/30/1995	5/2/2006	12/23/1995			TRUE	TRUE	FALSE					
12116	SR246659	SSG	EMPLACED_CNTR	8/15/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12117	SR246660	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12118	SR246661	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12119	SR246662	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12120	SR246663	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12121	SR246664	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
12122	SR246665	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12123	SR246666	SSG	EMPLACED_CNTR	4/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/27/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12124	SR246667	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	1/7/2004	6/30/1995	1/7/2004	12/23/1995			TRUE	TRUE	FALSE					
12125	SR246668	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12126	SR246669	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/28/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12127	SR246670	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/28/1967	12/29/2003	6/30/1995	12/29/2003	12/23/1995			TRUE	TRUE	FALSE					
12128	SR246671	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/29/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12129	SR246673	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/30/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12130	SR246674	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	12/30/1967	1/20/2004	6/30/1995	1/20/2004	12/23/1995			TRUE	TRUE	FALSE					
12131	SR246675	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/30/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12132	SR246676	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/30/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12133	SR246677	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/30/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12134	SR246678	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/30/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12135	SR246679	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/31/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12136	SR246680	SSG	EMPLACED_CNTR	4/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/31/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12137	SR246681	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	12/31/1967		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12138	SR246682	SSG	EMPLACED_CNTR	4/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12139	SR246683	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12140	SR246684	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12141	SR246685	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/4/1968	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
12142	SR246686	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/4/1968	11/28/2006	6/30/1995	11/28/2006	12/23/1995			TRUE	TRUE	FALSE					
12143	SR246686A	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1		11/28/2006		11/28/2006				TRUE	TRUE	FALSE					
12144	SR246687	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12145	SR246688	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12146	SR246689	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12147	SR246690	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12148	SR246691	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12149	SR246692	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12150	SR246693	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12151	SR246694	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12152	SR246695	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12153	SR246696	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12154	SR246697	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12155	SR246698	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12156	SR246699	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/4/1968	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
12157	SR246700	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12158	SR246701	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12159	SR246702	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12160	SR246703	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12161	SR246704	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12162	SR246705	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/4/1968	7/14/2003	6/30/1995	7/14/2003	12/23/1995			TRUE	TRUE	FALSE					
12163	SR246706	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12164	SR246707	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12165	SR246708	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12166	SR246709	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12167	SR246710	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12168	SR246711	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/5/1968	6/6/2004	6/30/1995	6/6/2004	12/23/1995			TRUE	TRUE	FALSE					
12169	SR246712	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12170	SR246713	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12171	SR246714	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12172	SR246715	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12173	SR246716	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12174	SR246717	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12175	SR246718	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12176	SR246719	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12177	SR246720	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12178	SR246721	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12179	SR246722	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/6/1968	11/14/2003	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
12180	SR246723	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/6/1968	1/14/2004	6/30/1995	1/14/2004	12/23/1995			TRUE	TRUE	FALSE					
12181	SR246724	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12182	SR246725	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12183	SR246726	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12184	SR246727	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/11/1968	12/19/2003	6/30/1995	12/19/2003	12/23/1995			TRUE	TRUE	FALSE					
12185	SR246728	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	1/11/1968	2/22/2004	6/30/1995	2/22/2004	12/23/1995			TRUE	TRUE	FALSE					
12186	SR246729	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12187	SR246730	SSG	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12188	SR246731	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	S5400		0	1/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12189	SR246732	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12190	SR246733	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12191	SR246734	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12192	SR246735	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12193	SR246736	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12194	SR246737	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12195	SR246738	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/11/1988	11/21/2003	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					
12196	SR246739	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12197	SR246740	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12198	SR246741	SSG	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12199	SR246742	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12200	SR246743	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/11/1988	6/30/2003	6/30/1995	6/30/2003	12/23/1995			TRUE	TRUE	FALSE					
12201	SR246744	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12202	SR246745	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/11/1988	11/3/2006	6/30/1995	11/3/2006	12/23/1995			TRUE	TRUE	FALSE					
12203	SR246745A	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1		3/13/2007		3/13/2007				TRUE	TRUE	FALSE					
12204	SR246746	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12205	SR246747	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/12/1988	8/7/2004	6/30/1995	8/7/2004	12/23/1995			TRUE	TRUE	FALSE					
12206	SR246748	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12207	SR246749	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12208	SR247658	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12209	SR247659	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/13/1988	12/29/2003	6/30/1995	12/29/2003	12/23/1995			TRUE	TRUE	FALSE					
12210	SR247661	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12211	SR247662	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12212	SR247663	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12213	SR247664	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12214	SR247665	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12215	SR247666	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12216	SR247667	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12217	SR247668	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12218	SR247669	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12219	SR247671	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12220	SR247672	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12221	SR247673	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12222	SR247674	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12223	SR247675	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/15/1988	12/29/2003	6/30/1995	12/29/2003	12/23/1995			TRUE	TRUE	FALSE					
12224	SR247676	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12225	SR247677	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/18/1988	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
12226	SR247678	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/18/1988	11/22/2003	6/30/1995	11/22/2003	12/23/1995			TRUE	TRUE	FALSE					
12227	SR247679	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12228	SR247680	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12229	SR247681	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12230	SR247682	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12231	SR247683	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12232	SR247684	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/18/1988	10/12/2003	6/30/1995	10/12/2003	12/23/1995			TRUE	TRUE	FALSE					
12233	SR247685	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12234	SR247686	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12235	SR247687	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12236	SR247688	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12237	SR247689	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12238	SR247690	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12239	SR247691	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/20/1988	1/9/2007	6/30/1995	1/9/2007	12/23/1995			TRUE	TRUE	FALSE					
12240	SR247692	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12241	SR247694	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12242	SR247695	SSG	EMPLACED_CNTR	5/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	1/20/1988	11/24/2006	6/30/1995	11/24/2006	12/23/1995			TRUE	TRUE	FALSE					
12243	SR247695a	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1		11/24/2006		11/24/2006				TRUE	TRUE	FALSE					
12244	SR247696	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12245	SR247697	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12246	SR247698	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12247	SR247699	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12248	SR247700	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12249	SR252758	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12250	SR252759	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12251	SR252760	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12252	SR252761	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12253	SR252762	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12254	SR252763	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	10/22/1987	4/11/2003	6/30/1995	4/11/2003	12/23/1995			TRUE	TRUE	FALSE					
12255	SR252764	SSG	EMPLACED_CNTR	4/30/2001	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12256	SR252765	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12257	SR252766	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12258	SR252767	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12259	SR252768	SSG	EMPLACED_CNTR	4/28/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12260	SR252769	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12261	SR252770	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12262	SR252771	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12263	SR252772	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12264	SR252774	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	1/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12265	SR252775	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12266	SR252776	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12267	SR252777	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	10/27/1987	11/16/2003	6/30/1995	11/16/2003	12/23/1995			TRUE	TRUE	FALSE					
12268	SR252778	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12269	SR252779	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	10/27/1987	9/17/2003	6/30/1995	9/17/2003	12/23/1995			TRUE	TRUE	FALSE					
12270	SR252780	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12271	SR252781	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12272	SR252782	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12273	SR252783	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12274	SR252784	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400	Remediate	1	10/28/1987	1/9/2004	6/30/1995	1/9/2004	12/23/1995			TRUE	TRUE	FALSE					
12275	SR252785	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12276	SR252786	SSG	EMPLACED_CNTR	8/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	$5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12277	SR252787	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12278	SR252788	SSG	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12279	SR252789	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12280	SR252790	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12281	SR252791	SSG	EMPLACED_CNTR	4/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12282	SR252792	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12283	SR252793	SSG	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1987	6/27/2008	6/30/1995	6/27/2008	12/23/1995			TRUE	TRUE	FALSE					
12284	SR252794	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12285	SR252795	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1987	12/24/2003	6/30/1995	12/24/2003	12/23/1995			TRUE	TRUE	FALSE					
12286	SR252796	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/30/1987	12/5/2006	6/30/1995	11/5/2006	12/23/1995			TRUE	TRUE	FALSE					
12287	SR252797	SSG	EMPLACED_CNTR	5/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/30/1987	11/18/2003	6/30/1995	11/18/2003	12/23/1995			TRUE	TRUE	FALSE					
12288	SR252798	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12289	SR252799	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12290	SR252800	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/3/1987	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
12291	SR252801	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12292	SR252802	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12293	SR252803	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12294	SR252805	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12295	SR252806	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12296	SR252807	SSG	EMPLACED_CNTR	6/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12297	SR252808	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12298	SR252811	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12299	SR252812	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12300	SR252813	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12301	SR252814	SSG	EMPLACED_CNTR	2/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12302	SR252815	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12303	SR252816	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12304	SR252817	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12305	SR252818	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12306	SR252819	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12307	SR252820	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12308	SR252821	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12309	SR252822	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12310	SR252823	SSG	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12311	SR252824	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12312	SR252825	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12313	SR252826	SSG	EMPLACED_CNTR	4/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12314	SR252827	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12315	SR252829	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12316	SR252830	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12317	SR252831	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12318	SR252832	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12319	SR252833	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12320	SR252834	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12321	SR252835	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/4/1987	8/7/2006	6/30/1995	8/7/2006	12/23/1995			TRUE	TRUE	FALSE					
12322	SR252835A	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/2003	11/9/2003	11/9/2003	11/9/2003	5/3/2004			TRUE	TRUE	FALSE					
12323	SR252836	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12324	SR252838	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12325	SR252839	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12326	SR252840	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12327	SR252841	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12328	SR252842	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12329	SR252843	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12330	SR252844	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12331	SR252845	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12332	SR252846	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12333	SR252847	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12334	SR252848	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12335	SR252849	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12336	SR252850	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/4/1987	3/15/2006	6/30/1995	3/15/2006	12/23/1995			TRUE	TRUE	FALSE					
12337	SR252851	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/6/1987	11/22/2003	6/30/1995	11/22/2003	12/23/1995			TRUE	TRUE	FALSE					
12338	SR252852	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12339	SR252853	SSG	EMPLACED_CNTR	9/7/2010 18:44	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	10/18/2007	6/30/1995	10/18/2007	12/23/1995			TRUE	TRUE	FALSE					
12340	SR252854	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12341	SR252855	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	6/30/2003	6/30/1995	6/30/2003	12/23/1995			TRUE	TRUE	FALSE					
12342	SR252856	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12343	SR252857	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12344	SR252858	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/6/1987	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
12345	SR252859	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12346	SR252861	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12347	SR252862	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
12348	SR252863	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/6/1987	3/27/2007	6/30/1995	3/27/2007	12/23/1995			TRUE	TRUE	FALSE					
12349	SR252864	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12350	SR252865	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12351	SR252866	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	12/6/2005	6/30/1995	12/6/2005	12/23/1995			TRUE	TRUE	FALSE					
12352	SR252867	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	10/12/2003	6/30/1995	10/12/2003	12/23/1995			TRUE	TRUE	FALSE					
12353	SR252868	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12354	SR252869	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12355	SR252870	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12356	SR252871	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12357	SR252872	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1987	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE	TRUE	FALSE					
12358	SR252872A	SSG	EMPLACED_CNTR	10/6/2011 22:31	7/13/2011 13:52	mccabeed	SR-W027-221F-Het-A	S5400	Remediation		11/10/1987	7/30/2008	6/30/1995	7/30/2008				TRUE	TRUE	FALSE					
12359	SR252875	SSG	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12360	SR252877	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/11/1987	3/27/2006	6/30/1995	3/27/2006	12/23/1995			TRUE	TRUE	FALSE					
12361	SR252878	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12362	SR252879	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12363	SR252880	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12364	SR252881	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/11/1987	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12365	SR252882	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12366	SR252883	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12367	SR252884	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12368	SR252885	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12369	SR252886	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12370	SR252887	55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12371	SR252888	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12372	SR252894	55G	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12373	SR252895	55G	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12374	SR252896	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/13/1987	12/4/2003	6/30/1995	12/4/2003	12/23/1995			TRUE	TRUE	FALSE					
12375	SR252897	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12376	SR252898	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/13/1987	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
12377	SR252899	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12378	SR252900	55G	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12379	SR252901	55G	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12380	SR252902	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12381	SR252903	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12382	SR252904	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12383	SR252905	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12384	SR252906	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/13/1987	2/14/2004	6/30/1995	2/14/2004	12/23/1995			TRUE	TRUE	FALSE					
12385	SR252908	55G	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12386	SR252909	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/13/1987	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
12387	SR252910	55G	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12388	SR252911	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	12/3/2003	6/30/1995	12/3/2003	12/23/1995			TRUE	TRUE	FALSE					
12389	SR252912	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12390	SR252913	55G	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	1/11/2004	6/30/1995	1/11/2004	12/23/1995			TRUE	TRUE	FALSE					
12391	SR252914	55G	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12392	SR252915	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12393	SR252916	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12394	SR252917	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	8/8/2005	6/30/1995	8/8/2005	12/23/1995			TRUE	TRUE	FALSE					
12395	SR252918	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12396	SR252919	55G	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12397	SR252920	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12398	SR252921	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12399	SR252922	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12400	SR252923	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12401	SR252924	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	11/9/2005	6/30/1995	11/9/2005	12/23/1995			TRUE	TRUE	FALSE					
12402	SR252925	55G	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	3/14/2006	6/30/1995	3/14/2006	12/23/1995			TRUE	TRUE	FALSE					
12403	SR252925A	55G	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1		3/14/2006		3/14/2006				TRUE	TRUE	FALSE					
12404	SR252926	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12405	SR252927	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12406	SR252928	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12407	SR252929	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12408	SR252930	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12409	SR252931	55G	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/16/1987	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
12410	SR252932	55G	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12411	SR252933	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12412	SR252934	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12413	SR252935	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/18/1987	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
12414	SR252936	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12415	SR252937	55G	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12416	SR252938	55G	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12417	SR252939	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/18/1987	12/21/2003	6/30/1995	12/21/2003	12/23/1995			TRUE	TRUE	FALSE					
12418	SR252940	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12419	SR252941	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12420	SR252942	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12421	SR252943	55G	EMPLACED_CNTR	4/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12422	SR252944	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12423	SR252945	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12424	SR252946	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12425	SR252947	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12426	SR252948	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12427	SR252949	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12428	SR252950	55G	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/19/1987	6/9/2004	6/30/1995	6/9/2004	12/23/1995			TRUE	TRUE	FALSE					
12429	SR252950A	55G	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1		11/15/2007		11/15/2007				TRUE	TRUE	FALSE					
12430	SR252951	55G	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/19/1987	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE	TRUE	FALSE					
12431	SR252952	55G	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/19/1987	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
12432	SR252953	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/23/1987	1/25/2006	6/30/1995	1/25/2006	12/23/1995			TRUE	TRUE	FALSE					
12433	SR252954	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/23/1987	1/8/2004	6/30/1995	1/8/2004	12/23/1995			TRUE	TRUE	FALSE					
12434	SR252955	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12435	SR252956	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12436	SR252957	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12437	SR252958	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/23/1987	9/28/2003	6/30/1995	9/28/2003	12/23/1995			TRUE	TRUE	FALSE					
12438	SR252959	55G	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12439	SR252960	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12440	SR252961	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12441	SR252962	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12442	SR252963	55G	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12443	SR252964	55G	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12444	SR252966	55G	EMPLACED_CNTR	8/21/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12445	SR252967	55G	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12446	SR252968	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12447	SR252969	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12448	SR252970	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12449	SR252971	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12450	SR252972	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12451	SR252973	55G	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/24/1987	12/1/2003	6/30/1995	12/1/2003	12/23/1995			TRUE	TRUE	FALSE					
12452	SR252974	55G	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	11/24/1987	1/28/2006	6/30/1995	1/28/2006	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12453	SR252975	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12454	SR252976	SSG	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12455	SR252977	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	11/24/1987	8/8/2005	6/30/1995	8/8/2005	12/23/1995			TRUE	TRUE	FALSE					
12456	SR252978	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12457	SR252979	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12458	SR252980	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12459	SR252981	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12460	SR252982	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12461	SR252983	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12462	SR252984	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12463	SR252985	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	11/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12464	SR252986	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	12/1/1987	8/8/2005	6/30/1995	8/8/2005	12/23/1995			TRUE	TRUE	FALSE					
12465	SR252987	SSG	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12466	SR252988	SSG	EMPLACED_CNTR	2/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12467	SR252989	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12468	SR252990	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12469	SR252991	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12470	SR252992	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12471	SR252993	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12472	SR252994	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12473	SR252995	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995										
12474	SR252996	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	12/1/1987	12/5/2006	6/30/1995	12/5/2006	12/23/1995			TRUE	TRUE	FALSE					
12475	SR252997	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12476	SR252998	SSG	EMPLACED_CNTR	4/23/2011	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12477	SR252999	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	12/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12478	SR257001	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12479	SR257002	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	11/30/2003	6/30/1995	11/30/2003	12/23/1995			TRUE	TRUE	FALSE					
12480	SR257003	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12481	SR257004	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12482	SR257005	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	12/4/2003	6/30/1995	12/4/2003	12/23/1995			TRUE	TRUE	FALSE					
12483	SR257007	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12484	SR257008	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	11/8/2003	6/30/1995	11/8/2003	12/23/1995			TRUE	TRUE	FALSE					
12485	SR257009	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12486	SR257010	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12487	SR257011	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	11/14/2003	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
12488	SR257012	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12489	SR257013	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12490	SR257014	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12491	SR257015	SSG	EMPLACED_CNTR	6/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12492	SR257016	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	9/28/2003	6/30/1995	9/28/2003	12/23/1995			TRUE	TRUE	FALSE					
12493	SR257017	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12494	SR257018	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
12495	SR257019	SSG	EMPLACED_CNTR	3/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
12496	SR257020	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12497	SR257022	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12498	SR257023	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
12499	SR257024	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12500	SR257025	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12501	SR257026	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12502	SR257027	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/6/1988	9/8/2003	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
12503	SR257028	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12504	SR257030	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12505	SR257031	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12506	SR257033	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12507	SR257034	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12508	SR257036	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12509	SR257037	SSG	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12510	SR257038	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12511	SR257039	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12512	SR257040	SSG	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12513	SR257041	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12514	SR257042	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12515	SR257043	SSG	EMPLACED_CNTR	12/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/7/1988	9/8/2003	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
12516	SR257044	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12517	SR257045	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12518	SR257046	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12519	SR257047	SSG	EMPLACED_CNTR	3/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12520	SR257048	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12521	SR257049	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12522	SR257050	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12523	SR257051	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12524	SR257052	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12525	SR257053	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12526	SR257054	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/7/1988	11/15/2003	6/30/1995	11/15/2003	12/23/1995			TRUE	TRUE	FALSE					
12527	SR257056	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12528	SR257057	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12529	SR257058	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/7/1988	1/2/2004	6/30/1995	1/2/2004	12/23/1995			TRUE	TRUE	FALSE					
12530	SR257059	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12531	SR257060	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12532	SR257061	SSG	EMPLACED_CNTR	7/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/8/1988	1/28/2006	6/30/1995	1/28/2006	12/23/1995			TRUE	TRUE	FALSE					
12533	SR257062	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/8/1988	2/11/2004	6/30/1995	2/11/2004	12/23/1995			TRUE	TRUE	FALSE					
12534	SR257063	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12535	SR257064	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12536	SR257065	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12537	SR257066	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	6/8/1988	1/6/2004	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
12538	SR257066A	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400	Remediate	1		1/6/2004		1/6/2004				TRUE	TRUE	FALSE					
12539	SR257067	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12540	SR257068	SSG	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Met-A	55400		0	6/8/1988		6/30/1995		12/23/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12541	SR257070	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12542	SR257071	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12543	SR257072	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12544	SR257073	55G	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12545	SR257074	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12546	SR257075	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12547	SR257078	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12548	SR257079	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12549	SR257081	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12550	SR257083	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/8/1988	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					
12551	SR257084	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12552	SR257085	55G	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12553	SR257086	55G	EMPLACED_CNTR	12/1/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12554	SR257087	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12555	SR257088	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12556	SR257089	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12557	SR257090	55G	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12558	SR257092	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/9/1988	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
12559	SR257093	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12560	SR257094	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12561	SR257095	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12562	SR257096	55G	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12563	SR257097	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12564	SR257098	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12565	SR257099	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12566	SR257100	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12567	SR257102	55G	EMPLACED_CNTR	12/19/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12568	SR257103	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/10/1988	12/9/2005	6/30/1995	12/9/2005	12/23/1995			TRUE	TRUE	FALSE					
12569	SR257104	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12570	SR257106	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12571	SR257107	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/10/1988	8/26/2006	6/30/1995	8/26/2006	12/23/1995			TRUE	TRUE	FALSE					
12572	SR257108	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12573	SR257109	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/10/1988	11/9/2006	6/30/1995	11/9/2006	12/23/1995			TRUE	TRUE	FALSE					
12574	SR257110	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12575	SR257111	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12576	SR257112	55G	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/10/1988	11/9/2003	6/30/1995	11/9/2003	12/23/1995			TRUE	TRUE	FALSE					
12577	SR257113	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12578	SR257114	55G	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12579	SR257115	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12580	SR257116	55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12581	SR257117	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12582	SR257118	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12583	SR257119	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12584	SR257120	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12585	SR257121	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/10/1988	10/15/2003	6/30/1995	10/15/2003	12/23/1995			TRUE	TRUE	FALSE					
12586	SR257123	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12587	SR257124	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/13/1988	1/11/2004	6/30/1995	1/11/2004	12/23/1995			TRUE	TRUE	FALSE					
12588	SR257125	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12589	SR257126	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12590	SR257127	55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12591	SR257128	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12592	SR257129	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12593	SR257130	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12594	SR257131	55G	EMPLACED_CNTR	4/25/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12595	SR257132	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12596	SR257133	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12597	SR257134	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12598	SR257135	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12599	SR257137	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12600	SR257139	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12601	SR257140	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12602	SR257141	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12603	SR257142	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12604	SR257143	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12605	SR257144	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12606	SR257145	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12607	SR257147	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12608	SR257148	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12609	SR257149	55G	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12610	SR257150	55G	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/13/1988	11/17/2006	6/30/1995	11/17/2006	12/23/1995			TRUE	TRUE	FALSE					
12611	SR257150A	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1		11/17/2006		11/17/2006				TRUE	TRUE	FALSE					
12612	SR257152	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12613	SR257153	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12614	SR257154	55G	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12615	SR257155	55G	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12616	SR257156	55G	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12617	SR257157	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12618	SR257158	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12619	SR257159	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12620	SR257161	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/14/1988	12/24/2003	6/30/1995	12/24/2003	12/23/1995			TRUE	TRUE	FALSE					
12621	SR257162	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12622	SR257163	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/14/1988	11/20/2006	6/30/1995	11/20/2006	12/23/1995			TRUE	TRUE	FALSE					
12623	SR257165	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	6/14/1988	11/21/2006	6/30/1995	11/21/2006	12/23/1995			TRUE	TRUE	FALSE					
12624	SR257166	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12625	SR257167	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12626	SR257168	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12627	SR257169	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12628	SR257170	55G	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	S5400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12629	SR257171	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/14/1988	3/10/2003	6/30/1995	3/10/2003	12/23/1995			TRUE	TRUE	FALSE					
12630	SR257172	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/14/1988	12/6/2005	6/30/1995	12/6/2005	12/23/1995			TRUE	TRUE	FALSE					
12631	SR257173	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12632	SR257174	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12633	SR257175	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12634	SR257176	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12635	SR257177	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12636	SR257178	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12637	SR257179	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12638	SR257180	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12639	SR257181	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12640	SR257182	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12641	SR257183	SSG	EMPLACED_CNTR	5/29/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12642	SR257184	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/14/1988	1/12/2004	6/30/1995	1/12/2004	12/23/1995			TRUE	TRUE	FALSE					
12643	SR257185	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/14/1988	3/16/2006	6/30/1995	3/16/2006	12/23/1995			TRUE	TRUE	FALSE					
12644	SR257186	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12645	SR257187	SSG	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12646	SR257188	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12647	SR257191	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12648	SR257192	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12649	SR257193	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12650	SR257194	SSG	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12651	SR257195	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/14/1988	1/10/2004	6/30/1995	1/10/2004	12/23/1995			TRUE	TRUE	FALSE					
12652	SR257197	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12653	SR257201	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12654	SR257203	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-223F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12655	SR257205	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-223F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12656	SR257206	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12657	SR257207	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12658	SR257208	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12659	SR257209	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12660	SR257210	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12661	SR257211	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12662	SR257212	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12663	SR257213	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12664	SR257214	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/15/1988	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
12665	SR257215	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/15/1988	3/26/2007	6/30/1995	3/26/2007	12/23/1995			TRUE	TRUE	FALSE					
12666	SR257216	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12667	SR257217	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12668	SR257218	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	9/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12669	SR257219	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12670	SR257220	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12671	SR257221	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12672	SR257222	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12673	SR257223	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12674	SR257224	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12675	SR257225	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12676	SR257226	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12677	SR257227	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12678	SR257228	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12679	SR257229	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12680	SR257230	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12681	SR257231	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12682	SR257232A	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1		12/23/2003		12/23/2003				TRUE	TRUE	FALSE					
12683	SR257233	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12684	SR257234	SSG	EMPLACED_CNTR	7/12/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12685	SR257236	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12686	SR257237	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12687	SR257238	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12688	SR257239	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/16/1988	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
12689	SR257240	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12690	SR257241	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12691	SR257242	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12692	SR257243	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12693	SR257244	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12694	SR257245	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12695	SR257246	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12696	SR257247	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12697	SR257248	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12698	SR257251	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12699	SR257252	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/17/1988	9/24/2006	6/30/1995	9/24/2006	12/23/1995			TRUE	TRUE	FALSE					
12700	SR257252A	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1		9/24/2006		9/24/2006				TRUE	TRUE	FALSE					
12701	SR257253	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12702	SR257255	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12703	SR257256	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12704	SR257257	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12705	SR257258	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12706	SR257259	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12707	SR257260	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12708	SR257261	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12709	SR257262	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12710	SR257263	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12711	SR257264	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12712	SR257265	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/20/1988	8/10/2003	6/30/1995	8/10/2003	12/23/1995			TRUE	TRUE	FALSE					
12713	SR257266	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12714	SR257267	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12715	SR257268	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12716	SR257269	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221F-Met-A	SS400	Remediate	1	6/21/1988	3/26/2007	6/30/1995	3/26/2007	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12717	SR257770	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12718	SR257771	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12719	SR257772	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12720	SR257773	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12721	SR257774	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12722	SR257776	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12723	SR257777	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12724	SR257779	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12725	SR257780	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12726	SR257781	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12727	SR257782	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12728	SR257783	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12729	SR257784	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12730	SR257785	SSG	EMPLACED_CNTR	11/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/23/1988	3/24/2007	6/30/1995	3/28/2007	12/23/1995			TRUE	TRUE	FALSE					
12731	SR257786	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12732	SR257787	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12733	SR257788	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12734	SR257789	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12735	SR257790	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12736	SR257791	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12737	SR257792	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12738	SR257793	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/24/1988	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
12739	SR257794	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12740	SR257795	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12741	SR257798	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12742	SR257799	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12743	SR257800	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12744	SR257801	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/24/1988	8/10/2005	6/30/1995	8/10/2005	12/23/1995			TRUE	TRUE	FALSE					
12745	SR257802	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12746	SR257803	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/27/1988	5/4/2006	6/30/1995	5/4/2006	12/23/1995			TRUE	TRUE	FALSE					
12747	SR257804	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12748	SR257805	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12749	SR257806	SSG	EMPLACED_CNTR	6/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12750	SR257807	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/27/1988	4/21/2006	6/30/1995	4/21/2006	12/23/1995			TRUE	TRUE	FALSE					
12751	SR257808	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12752	SR257809	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12753	SR257810	SSG	EMPLACED_CNTR	9/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12754	SR257811	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12755	SR257812	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12756	SR257813	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12757	SR257814	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12758	SR257815	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12759	SR257816	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12760	SR257817	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12761	SR257818	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12762	SR257819	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12763	SR257820	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/27/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12764	SR257821	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12765	SR257822	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12766	SR257823	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/28/1988	1/14/2004	6/30/1995	1/14/2004	12/23/1995			TRUE	TRUE	FALSE					
12767	SR257824	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12768	SR257825	SSG	EMPLACED_CNTR	9/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12769	SR257826	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12770	SR257827	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12771	SR257828	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/29/1988	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
12772	SR257829	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12773	SR257830	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12774	SR257831	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12775	SR257832	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12776	SR257833	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12777	SR257834	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12778	SR257835	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12779	SR257836	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12780	SR257837	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12781	SR257838	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/30/1988	12/9/2005	6/30/1995	12/9/2005	12/23/1995			TRUE	TRUE	FALSE					
12782	SR257840	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1964		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12783	SR257843	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1964		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12784	SR257845	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1964		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12785	SR257846	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/30/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12786	SR257847	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12787	SR257848	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12788	SR257849	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12789	SR257850	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12790	SR257851	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12791	SR257852	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12792	SR257853	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12793	SR257854	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12794	SR257855	SSG	EMPLACED_CNTR	11/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12795	SR257856	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12796	SR257857	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12797	SR257858	SSG	EMPLACED_CNTR	1/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12798	SR257859	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12799	SR257860	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12800	SR257861	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12801	SR257862	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12802	SR257863	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12803	SR257864	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12804	SR257865	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	7/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12805	SR257866	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12806	SR257867	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12807	SR257868	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	12/29/2003	6/30/1995	12/29/2003	12/23/1995			TRUE	TRUE	FALSE					
12808	SR257869	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12809	SR257871	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12810	SR257872	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	12/25/2003	6/30/1995	12/25/2003	12/23/1995			TRUE	TRUE	FALSE					
12811	SR257873	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12812	SR257874	55G	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	11/5/2006	6/30/1995	11/5/2006	12/23/1995			TRUE	TRUE	FALSE					
12813	SR257875	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12814	SR257876	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12815	SR257877	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12816	SR257878	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12817	SR257879	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12818	SR257880	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12819	SR257881	55G	EMPLACED_CNTR	6/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12820	SR257882	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12821	SR257883	55G	EMPLACED_CNTR	9/24/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	1/27/2006	6/30/1995	1/27/2006	12/23/1995			TRUE	TRUE	FALSE					
12822	SR257884	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	11/15/2003	6/30/1995	11/15/2003	12/23/1995			TRUE	TRUE	FALSE					
12823	SR257885	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12824	SR257886	55G	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12825	SR257887	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12826	SR257888	55G	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12827	SR257889	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12828	SR257890	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12829	SR257891	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	12/27/2003	6/30/1995	12/27/2003	12/23/1995			TRUE	TRUE	FALSE					
12830	SR257892	55G	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12831	SR257893	55G	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	12/6/2003	6/30/1995	12/6/2003	12/23/1995			TRUE	TRUE	FALSE					
12832	SR257894	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	1/28/2006	6/30/1995	1/28/2006	12/23/1995			TRUE	TRUE	FALSE					
12833	SR257895	55G	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12834	SR257896	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12835	SR257897	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12836	SR257898	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12837	SR257899	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12838	SR257900	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12839	SR257901	55G	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12840	SR257902	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
12841	SR257903	55G	EMPLACED_CNTR	5/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12842	SR257904	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12843	SR257905	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12844	SR264751	55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12845	SR264752	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12846	SR264753	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12847	SR264754	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12848	SR264755	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/5/1988	1/7/2004	6/30/1995	1/7/2004	12/23/1995			TRUE	TRUE	FALSE					
12849	SR264756	55G	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12850	SR264757	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12851	SR264758	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12852	SR264759	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12853	SR264760	55G	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12854	SR264761	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12855	SR264762	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12856	SR264763	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12857	SR264764	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/6/1988	12/30/2003	6/30/1995	12/30/2003	12/23/1995			TRUE	TRUE	FALSE					
12858	SR264765	55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12859	SR264766	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12860	SR264767	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12861	SR264768	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12862	SR264769	55G	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12863	SR264770	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12864	SR264771	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12865	SR264772	55G	EMPLACED_CNTR	10/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/7/1988	9/15/2006	6/30/1995	9/15/2006	12/23/1995			TRUE	TRUE	FALSE					
12866	SR264773	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12867	SR264774	55G	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12868	SR264775	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/7/1988	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
12869	SR264776	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12870	SR264777	55G	EMPLACED_CNTR	7/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12871	SR264778	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12872	SR264780	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12873	SR264781	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12874	SR264782	55G	EMPLACED_CNTR	3/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12875	SR264784	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12876	SR264785	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12877	SR264786	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12878	SR264787	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12879	SR264788	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12880	SR264789	55G	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12881	SR264790	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12882	SR264791	55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12883	SR264792	55G	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12884	SR264793	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12885	SR264794	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12886	SR264795	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12887	SR264796	55G	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/11/1988	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
12888	SR264797	55G	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12889	SR264799	55G	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/11/1988	9/15/2003	6/30/1995	9/15/2003	12/23/1995			TRUE	TRUE	FALSE					
12890	SR264800	55G	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/11/1988	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
12891	SR264801	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400		0	7/11/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12892	SR264802	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Met-A	55400	Remediate	1	7/11/1988	12/14/2003	6/30/1995	12/14/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1893	SR264803	SSG	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/11/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1894	SR264804	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1895	SR264805	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/12/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1896	SR264807	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1897	SR264808	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1898	SR264809	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1899	SR264810	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1900	SR264811	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1901	SR264812	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/13/1968	3/16/2004	6/30/1995	3/16/2004	12/23/1995			TRUE	TRUE	FALSE					
1902	SR264813	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/13/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1903	SR264814	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/14/1968	1/28/2006	6/30/1995	1/28/2006	12/23/1995			TRUE	TRUE	FALSE					
1904	SR264815	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1905	SR264816	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1906	SR264817	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1907	SR264818	SSG	EMPLACED_CNTR	11/14/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1908	SR264819	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1909	SR264820	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1910	SR264821	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1911	SR264822	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1912	SR264823	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1913	SR264824	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1914	SR264825	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1915	SR264826	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1916	SR264827	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/15/1968	12/25/2009	6/30/1995	12/25/2003	12/23/1995			TRUE	TRUE	FALSE					
1917	SR264828	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1918	SR264829	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/15/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1919	SR264830	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/14/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1920	SR264831	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/16/1968	4/27/2003	6/30/1995	4/27/2003	12/23/1995			TRUE	TRUE	FALSE					
1921	SR264832	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/16/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1922	SR264833	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/16/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1923	SR264834	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/16/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1924	SR264835	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/16/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1925	SR264837	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	V&P Purge	0	7/16/1968	7/18/1988	6/30/1995	9/6/2005	12/23/1995			TRUE	TRUE	FALSE					
1926	SR264838	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/16/1968	10/12/2003	6/30/1995	10/12/2003	12/23/1995			TRUE	TRUE	FALSE					
1927	SR264839	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1928	SR264840	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1929	SR264841	SSG	EMPLACED_CNTR	4/9/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1930	SR264842	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1931	SR264843	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1932	SR264844	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/21/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1933	SR264845	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1934	SR264846	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1935	SR264847	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1936	SR264848	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1937	SR264849	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1938	SR264850	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1939	SR264851	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1940	SR264852	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1941	SR264853	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/26/1968	7/31/2003	6/30/1995	7/31/2003	12/23/1995			TRUE	TRUE	FALSE					
1942	SR264854	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1943	SR264855	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1944	SR264856	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1945	SR264857	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1946	SR264858	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1947	SR264859	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1948	SR264860	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1949	SR264861	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1950	SR264862	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1951	SR264863	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	7/26/1968	2/1/2004	6/30/1995	2/1/2004	12/23/1995			TRUE	TRUE	FALSE					
1952	SR264864	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1953	SR264866	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/26/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1954	SR264868	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1955	SR264869	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1956	SR264870	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1957	SR264871	SSG	EMPLACED_CNTR	1/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	7/28/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1958	SR264872	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1959	SR264873	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1960	SR264874	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1961	SR264875	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1962	SR264876	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1963	SR264877	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1964	SR264878	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1965	SR264879	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1966	SR264880	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1967	SR264881	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1968	SR264882	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1969	SR264883	SSG	EMPLACED_CNTR	12/11/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1970	SR264884	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1971	SR264885	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1972	SR264886	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1973	SR264887	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1974	SR264888	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1975	SR264889	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/1/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1976	SR264890	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1977	SR264891	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/4/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1978	SR264892	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/5/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1979	SR264893	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/6/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1980	SR264894	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/8/1968		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
12951	SR264895	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12952	SR264896	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12953	SR264897	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12954	SR264898	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12955	SR264899	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12956	SR264900	SSG	EMPLACED_CNTR	8/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12957	SR264901	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12958	SR264902	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12959	SR264903	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12960	SR264904	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12961	SR264905	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12962	SR264906	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12963	SR264907	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12964	SR264908	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12965	SR264909	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12966	SR264910	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12967	SR264911	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12968	SR264912	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
12969	SR264913	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	8/12/1988	12/15/2005	6/30/1995	12/15/2005	12/23/1995			TRUE	TRUE	FALSE					
13000	SR264914	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13001	SR264915	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13002	SR264916	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13003	SR264917	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13004	SR264918	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	8/15/1988	8/8/2003	6/30/1995	8/8/2003	12/23/1995			TRUE	TRUE	FALSE					
13005	SR264919	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13006	SR264920	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	8/15/1988	1/14/2004	6/30/1995	1/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13007	SR264921	SSG	EMPLACED_CNTR	6/30/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13008	SR264922	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13009	SR264923	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13010	SR264924	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13011	SR264925	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13012	SR264926	SSG	EMPLACED_CNTR	9/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13013	SR264927	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13014	SR264928	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13015	SR264929	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13016	SR264931	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	8/22/1988	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13017	SR264932	SSG	EMPLACED_CNTR	7/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13018	SR264933	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13019	SR264934	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13020	SR264935	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13021	SR264936	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13022	SR264937	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13023	SR264938	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13024	SR264939	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13025	SR264940	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13026	SR264941	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13027	SR264942	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13028	SR264943	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13029	SR264944	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13030	SR264945	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13031	SR264946	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13032	SR264948	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	8/29/1988	9/27/2006	6/30/1995	9/27/2006	12/23/1995			TRUE	TRUE	FALSE					
13033	SR264949	SSG	EMPLACED_CNTR	9/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13034	SR264950	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13035	SR264951	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13036	SR264952	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	V&P Purge	0	8/29/1988	8/29/1988	6/30/1995	10/8/2005	12/23/1995			TRUE	TRUE	FALSE					
13037	SR264953	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	8/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13038	SR264955	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13039	SR264956	SSG	EMPLACED_CNTR	8/22/2001	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13040	SR264957	SSG	EMPLACED_CNTR	9/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13041	SR264958	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13042	SR264959	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13043	SR264960	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13044	SR264961	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13045	SR264962	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13046	SR264963	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13047	SR264964	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13048	SR264965	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13049	SR264966	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13050	SR264967	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13051	SR264968	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13052	SR264969	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13053	SR264970	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13054	SR264971	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13055	SR264972	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	V&P Vent	0	9/1/1988	9/1/1988	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
13056	SR264973	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400	Remediate	1	9/1/1988	1/26/2006	6/30/1995	1/26/2006	12/23/1995			TRUE	TRUE	FALSE					
13057	SR264974	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13058	SR264975	SSG	EMPLACED_CNTR	9/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13059	SR264976	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13060	SR264977	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13061	SR264978	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13062	SR264979	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13063	SR264980	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13064	SR264981	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13065	SR264982	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13066	SR264983	SSG	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13067	SR264984	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13068	SR264985	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Net-A	SS400		0	9/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13069	SR264987	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13070	SR264988	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13071	SR264989	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13072	SR264990	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13073	SR264991	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13074	SR264992	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13075	SR264993	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13076	SR264994	SSG	EMPLACED_CNTR	5/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13077	SR264995	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13078	SR264996	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	9/19/1988	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
13079	SR264997	SSG	EMPLACED_CNTR	6/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13080	SR264998	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13081	SR264999	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13082	SR265000	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	9/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13083	SR529801	SSG	EMPLACED_CNTR	11/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/9/1986	3/9/1986	6/30/1995	7/25/2004	12/23/1995			TRUE	TRUE	FALSE					
13084	SR529803	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/11/1986	3/11/1986	6/30/1995	2/2/2004	12/23/1995			TRUE	TRUE	FALSE					
13085	SR529804	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/12/1986	3/12/1986	6/30/1995	2/3/2004	12/23/1995			TRUE	TRUE	FALSE					
13086	SR529805	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/10/1986	3/10/1986	6/30/1995	10/13/2006	12/23/1995			TRUE	TRUE	FALSE					
13087	SR529806	SSG	EMPLACED_CNTR	1/16/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/17/1986	3/17/1986	6/30/1995	7/22/2006	12/23/1995			TRUE	TRUE	FALSE					
13088	SR540202	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
13089	SR540203	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		1/28/1999		7/13/1999			TRUE	TRUE	FALSE					
13090	SR540207	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
13091	SR540404	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/20/1986	3/20/1986	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
13092	SR540405	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/20/1986	9/14/2003	6/30/1995	9/14/2003	12/23/1995			TRUE	TRUE	FALSE					
13093	SR540406	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/20/1986	7/2/2003	12/17/1998	7/2/2003	6/11/1999			TRUE	TRUE	FALSE					
13094	SR540407	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/20/1986	5/17/2006	6/30/1995	5/17/2006	12/23/1995			TRUE	TRUE	FALSE					
13095	SR540408	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/20/1986	4/4/2003	2/9/1999	4/4/2003	8/4/1999			TRUE	TRUE	FALSE					
13096	SR540409	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/20/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
13097	SR540410	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/20/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
13098	SR540411	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/20/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
13099	SR540412	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/20/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
13100	SR540413	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/20/1986		10/26/1998		4/29/1999			TRUE	TRUE	FALSE					
13101	SR540414	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/20/1986	1/23/2004	10/21/1998	1/23/2004	4/15/1999			TRUE	TRUE	FALSE					
13102	SR540420	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/21/2004	12/23/1995			TRUE	TRUE	FALSE					
13103	SR540421	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/26/2004	12/23/1995			TRUE	TRUE	FALSE					
13104	SR540422	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/25/1986	3/25/1986	6/30/1995	12/8/2007	12/23/1995			TRUE	TRUE	FALSE					
13105	SR540423	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/25/1986	3/25/1986	6/30/1995	11/16/2006	12/23/1995			TRUE	TRUE	FALSE					
13106	SR540424	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/28/2004	12/23/1995			TRUE	TRUE	FALSE					
13107	SR540425	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/22/2004	12/23/1995			TRUE	TRUE	FALSE					
13108	SR540426	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/28/2004	12/23/1995			TRUE	TRUE	FALSE					
13109	SR540427	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	3/25/1986	3/25/1986	6/30/1995	7/10/2004	12/23/1995			TRUE	TRUE	FALSE					
13110	SR540429	SSG	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/26/1986	11/29/2004	6/30/1995	11/29/2004	12/23/1995			TRUE	TRUE	FALSE					
13111	SR540430	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/26/1986	2/7/2006	6/30/1995	2/7/2006	12/23/1995			TRUE	TRUE	FALSE					
13112	SR540431	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/26/1986	3/26/1986	6/30/1995	1/31/2004	12/23/1995			TRUE	TRUE	FALSE					
13113	SR540432	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/26/1986	3/26/1986	6/30/1995	2/1/2008	12/23/1995			TRUE	TRUE	FALSE					
13114	SR540433	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13115	SR540434	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13116	SR540435	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13117	SR540436	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13118	SR540437	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Vent	0	3/25/1986	3/25/1986	6/30/1995	9/12/2003	12/23/1995			TRUE	TRUE	FALSE					
13119	SR540439	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13120	SR540440	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/25/1986	3/21/2003	2/9/1999	3/21/2003	8/4/1999			TRUE	TRUE	FALSE					
13121	SR540441	SSG	EMPLACED_CNTR	8/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/25/1986	3/20/2003	2/11/1999	3/20/2003	8/6/1999			TRUE	TRUE	FALSE					
13122	SR540442	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13123	SR540443	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13124	SR540444	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13125	SR540445	SSG	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	3/25/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13126	SR540803	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		2/8/1999		8/3/1999			TRUE	TRUE	FALSE					
13127	SR540802	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
13128	SR540803	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		11/2/1998		4/27/1999			TRUE	TRUE	FALSE					
13129	SR540804	SSG	EMPLACED_CNTR	8/21/2010 9:54	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	11/12/2007		11/12/2007				TRUE	TRUE	FALSE					
13130	SR540805	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	11/28/2004	6/30/1995	11/28/2004	12/23/1995			TRUE	TRUE	FALSE					
13131	SR540806	SSG	EMPLACED_CNTR	7/20/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	2/23/2008	6/30/1995	2/23/2008	12/23/1995			TRUE	TRUE	FALSE					
13132	SR540807	SSG	EMPLACED_CNTR	8/21/2010 9:54	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	2/11/2008	6/30/1995	2/11/2008	12/23/1995			TRUE	TRUE	FALSE					
13133	SR540808	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/7/1986	6/9/2008	6/30/1995	6/9/2008	12/23/1995			TRUE	TRUE	FALSE					
13134	SR540809	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13135	SR540810	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	4/15/2006	6/30/1995	4/15/2006	12/23/1995			TRUE	TRUE	FALSE					
13136	SR540811	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	3/7/1986	11/13/2004	6/30/1995	11/13/2004	12/23/1995			TRUE	TRUE	FALSE					
13137	SR540812	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		2/8/1999		8/3/1999			TRUE	TRUE	FALSE					
13138	SR540813	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
13139	SR540814	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13140	SR540815	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13141	SR540816	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	V&P Purge	0	4/21/1986	4/21/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
13142	SR540817	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		11/2/1998		4/27/1999			TRUE	TRUE	FALSE					
13143	SR540818	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	6/11/2004	11/4/1998	6/11/2004	4/29/1999			TRUE	TRUE	FALSE					
13144	SR540819	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/21/1986	3/25/2003	2/8/1999	3/25/2003	8/3/1999			TRUE	TRUE	FALSE					
13145	SR540820	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/21/1986		11/2/1998		4/27/1999			TRUE	TRUE	FALSE					
13146	SR540821	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
13147	SR540822	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
13148	SR540823	SSG	EMPLACED_CNTR	8/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/29/1986	3/21/2003	2/4/1999	3/21/2003	7/30/1999			TRUE	TRUE	FALSE					
13149	SR540824	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/29/1986	11/7/2005	11/3/1998	11/7/2005	4/28/1999			TRUE	TRUE	FALSE					
13150	SR540825	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13151	SR540826	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13152	SR540827	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		10/20/1998		4/14/1999			TRUE	TRUE	FALSE					
13153	SR540828	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		12/8/1998		6/2/1999			TRUE	TRUE	FALSE					
13154	SR540829	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		2/8/1999		8/3/1999			TRUE	TRUE	FALSE					
13155	SR540830	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400		0	4/29/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
13156	SR540831	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-22JF-Het-A	55400	Remediate	1	4/30/1986	3/6/2008	6/30/1995	3/6/2008	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13157	SRS40832	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/30/1986	4/29/2004	6/30/1995	4/29/2004	12/23/1995			TRUE	TRUE	FALSE					
13158	SRS40833	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/30/1986	8/2/2004	6/30/1995	8/2/2004	12/23/1995			TRUE	TRUE	FALSE					
13159	SRS40834	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	4/30/1986	4/30/1986	6/30/1995	7/22/2004	12/23/1995			TRUE	TRUE	FALSE					
13160	SRS40835	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/30/1986	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13161	SRS40837	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	4/30/1986	4/30/1986	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13162	SRS40838	SSG	APPROVED_CERT		4/19/2012 17:19	mccabed	SR-W027-221F-Met-A	SS400	Remediate	1	4/30/1986	6/16/2008	6/30/1995	6/16/2008		WWIS Status: APPROVED_CERT		TRUE	FALSE	TRUE					
13163	SRS40839	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	4/30/1986	4/30/1986	6/30/1995	1/6/2004	12/23/1995			TRUE	TRUE	FALSE					
13164	SRS40841	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/30/1986	5/1/2004	6/30/1995	5/1/2004	12/23/1995			TRUE	TRUE	FALSE					
13165	SRS40842	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Vent	0	4/30/1986	4/30/1986	6/30/1995	4/1/2007	12/23/1995			TRUE	TRUE	FALSE					
13166	SRS40843	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Vent	0	4/30/1986	4/30/1986	6/30/1995	4/19/2004	12/23/1995			TRUE	TRUE	FALSE					
13167	SRS40845	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/5/1986	9/25/2006	6/30/1995	9/25/2006	12/23/1995			TRUE	TRUE	FALSE					
13168	SRS40846	SSG	EMPLACED_CNTR	9/12/2001	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13169	SRS40847	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		1/28/1999		7/23/1999			TRUE	TRUE	FALSE					
13170	SRS40848	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/1/1986	6/1/2004	6/30/1995	6/1/2004	12/23/1995			TRUE	TRUE	FALSE					
13171	SRS40849	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13172	SRS40850	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		11/16/1998		5/11/1999			TRUE	TRUE	FALSE					
13173	SRS40851	SSG	EMPLACED_CNTR	9/19/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		11/16/1998		5/11/1999			TRUE	TRUE	FALSE					
13174	SRS40852	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13175	SRS40853	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/1/1986		2/3/1999		7/29/1999			TRUE	TRUE	FALSE					
13176	SRS40854	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13177	SRS40855	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/2/1986	5/2/1984	6/30/1995	7/8/2005	12/23/1995			TRUE	TRUE	FALSE					
13178	SRS40856	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		1/3/1999		7/29/1999			TRUE	TRUE	FALSE					
13179	SRS40857	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
13180	SRS40858	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		2/3/1999		7/29/1999			TRUE	TRUE	FALSE					
13181	SRS40859	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		2/3/1999		7/29/1999			TRUE	TRUE	FALSE					
13182	SRS40860	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13183	SRS40861	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13184	SRS40862	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13185	SRS40863	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/2/1986		1/25/1999		7/20/1999			TRUE	TRUE	FALSE					
13186	SRS40864	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13187	SRS40865	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13188	SRS40866	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/5/1986	8/22/2003	11/2/1998	8/22/2003	4/27/1999			TRUE	TRUE	FALSE					
13189	SRS40867	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/5/1986	5/5/2003	6/30/1995	5/5/2003	12/23/1995			TRUE	TRUE	FALSE					
13190	SRS40868	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		2/4/1999		7/30/1999			TRUE	TRUE	FALSE					
13191	SRS40869	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		8/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13192	SRS40870	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13193	SRS40871	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		1/7/1999		7/2/1999			TRUE	TRUE	FALSE					
13194	SRS40872	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		1/27/1999		7/12/1999			TRUE	TRUE	FALSE					
13195	SRS40873	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13196	SRS40874	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13197	SRS40875	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13198	SRS40876	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13199	SRS40877	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/5/1986	4/14/2006	6/30/1995	4/14/2006	12/23/1995			TRUE	TRUE	FALSE					
13200	SRS40878	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/5/1986	1/3/2008	6/30/1995	1/3/2008	12/23/1995			TRUE	TRUE	FALSE					
13201	SRS40879	SSG	EMPLACED_CNTR	7/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/5/1986	5/5/1986	6/30/1995	7/1/2004	12/23/1995			TRUE	TRUE	FALSE					
13202	SRS40880	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	8/1/2006	6/30/1995	8/1/2006	12/23/1995			TRUE	TRUE	FALSE					
13203	SRS40881	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	4/24/2003	2/9/1999	4/24/2003	8/4/1999			TRUE	TRUE	FALSE					
13204	SRS40882	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13205	SRS40883	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	4/20/2006	11/8/1998	4/20/2006	8/2/1999			TRUE	TRUE	FALSE					
13206	SRS40884	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/6/1986	6/14/2004	10/1/1998	6/14/2004	3/26/1997			TRUE	TRUE	FALSE					
13207	SRS40890	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/7/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
13208	SRS40891	SSG	EMPLACED_CNTR	7/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	7/2/2003	12/8/1998	7/2/2003	8/2/1999			TRUE	TRUE	FALSE					
13209	SRS40892	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13210	SRS40893	SSG	EMPLACED_CNTR	8/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Vent	0	5/7/1986	5/7/1986	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13211	SRS40894	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	4/21/2004	6/30/1995	4/21/2004	12/23/1995			TRUE	TRUE	FALSE					
13212	SRS40895	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	3/22/2006	6/30/1995	3/22/2006	12/23/1995			TRUE	TRUE	FALSE					
13213	SRS40896	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	11/13/2004	6/30/1995	11/13/2004	12/23/1995			TRUE	TRUE	FALSE					
13214	SRS40897	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/7/1986	5/7/1986	6/30/1995	7/16/2004	12/23/1995			TRUE	TRUE	FALSE					
13215	SRS40898	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	5/7/1986	5/9/2004	6/30/1995	5/9/2004	12/23/1995			TRUE	TRUE	FALSE					
13216	SRS40899	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/7/1986	5/7/1986	6/30/1995	4/11/2004	12/23/1995			TRUE	TRUE	FALSE					
13217	SRS40900	SSG	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	5/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13218	SRS40902	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		1/13/1999		7/8/1999			TRUE	TRUE	FALSE					
13219	SRS40903	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		1/21/1999		7/16/1999			TRUE	TRUE	FALSE					
13220	SRS40904	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13221	SRS40905	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13222	SRS40906	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13223	SRS40907	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/7/1986		2/3/1999		7/29/1999			TRUE	TRUE	FALSE					
13224	SRS40908	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Vent	0	4/7/1986	4/7/1986	6/30/1995	9/29/2003	12/23/1995			TRUE	TRUE	FALSE					
13225	SRS40909	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	4/7/1986	4/7/1986	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13226	SRS40910	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Vent	0	4/7/1986	4/7/1986	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13227	SRS40911	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	V&P Purge	0	4/7/1986	4/7/1986	6/30/1995	5/17/2004	12/23/1995			TRUE	TRUE	FALSE					
13228	SRS40912	SSG	EMPLACED_CNTR	8/9/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/8/1986		1/27/1999		7/22/1999			TRUE	TRUE	FALSE					
13229	SRS40913	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/8/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13230	SRS40914	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13231	SRS40915	SSG	EMPLACED_CNTR	3/14/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/9/1986	4/22/2003	12/8/1998	4/22/2003	6/3/1999			TRUE	TRUE	FALSE					
13232	SRS40917	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/10/1986	1/25/2007	6/30/1995	1/25/2007	12/23/1995			TRUE	TRUE	FALSE					
13233	SRS40918	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/10/1986		1/28/1999		7/23/1999			TRUE	TRUE	FALSE					
13234	SRS40919	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/9/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13235	SRS40920	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/10/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13236	SRS40921	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/10/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13237	SRS40922	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/9/1986	7/1/2006	1/27/1999	2/1/2006	7/22/1999			TRUE	TRUE	FALSE					
13238	SRS40923	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/10/1986		10/19/1998		4/13/1999			TRUE	TRUE	FALSE					
13239	SRS40924	SSG	EMPLACED_CNTR	9/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/9/1986		1/4/1999		6/29/1999			TRUE	TRUE	FALSE					
13240	SRS40925	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/10/1986	6/19/2006	11/4/1998	8/19/2006	4/29/1999			TRUE	TRUE	FALSE					
13241	SRS40929	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400		0	4/10/1986		1/28/1999		7/23/1999			TRUE	TRUE	FALSE					
13242	SRS40930	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/10/1986	10/22/2006	6/30/1995	10/22/2006	12/23/1995			TRUE	TRUE	FALSE					
13243	SRS40931	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/10/1986	7/1/2004	10/27/1998	7/1/2004	4/21/1999			TRUE	TRUE	FALSE					
13244	SRS40932	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	SS400	Remediate	1	4/10/1986	6/18/2004	10/26/1998	6/18/2004	4/21/1999			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13245	SR540933	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/10/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
13246	SR540934	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/10/1986		12/9/1998		6/3/1999			TRUE	TRUE	FALSE					
13247	SR540935	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/10/1986		10/26/1998		4/20/1999			TRUE	TRUE	FALSE					
13248	SR540936	SSG	EMPLACED_CNTR	10/6/2011 22:31	6/8/2011 17:40	mccabed	SR-WD27-221F-Met-A	SS400	V&P Purge	0	4/17/1986			1/26/2008				TRUE	FALSE	FALSE					
13249	SR540937	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/17/1986	5/10/2004	6/30/1995	5/10/2004	12/23/1995			TRUE	TRUE	FALSE					
13250	SR540938	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/17/1986	2/23/2008	6/30/1995	2/23/2008	12/23/1995			TRUE	TRUE	FALSE					
13251	SR540939	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		11/12/1998		5/7/1999			TRUE	TRUE	FALSE					
13252	SR540940	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/16/1986	4/10/2003	11/4/1998	4/10/2003	4/29/1999			TRUE	TRUE	FALSE					
13253	SR540941	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		1/27/1999		7/22/1999			TRUE	TRUE	FALSE					
13254	SR540942	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		1/25/1999		7/20/1999			TRUE	TRUE	FALSE					
13255	SR540943	SSG	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		1/4/1999		6/29/1999			TRUE	TRUE	FALSE					
13256	SR540944	SSG	EMPLACED_CNTR	3/19/2001	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		1/25/1999		7/20/1999			TRUE	TRUE	FALSE					
13257	SR540945	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		1/25/1999		7/20/1999			TRUE	TRUE	FALSE					
13258	SR540946	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/16/1986		10/19/1998		4/13/1999			TRUE	TRUE	FALSE					
13259	SR540947	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	3/31/1986	3/21/2003	10/20/1998	3/21/2003	4/14/1999			TRUE	TRUE	FALSE					
13260	SR540948	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	3/31/1986		12/29/1998		6/17/1999			TRUE	TRUE	FALSE					
13261	SR540949	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Vent	0	3/31/1986	3/31/1988	6/30/1995	9/11/2003	12/23/1995			TRUE	TRUE	FALSE					
13262	SR540950	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	3/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13263	SR540952	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	3/31/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
13264	SR540953	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	11/22/2003	11/12/1998	11/22/2003	5/7/1999			TRUE	TRUE	FALSE					
13265	SR540954	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13266	SR540956	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	7/1/2003	11/12/1998	7/1/2003	5/7/1999			TRUE	TRUE	FALSE					
13267	SR540957	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		12/15/1998		6/9/1999			TRUE	TRUE	FALSE					
13268	SR540958	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		1/21/1999		7/16/1999			TRUE	TRUE	FALSE					
13269	SR540959	SSG	EMPLACED_CNTR	8/11/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13270	SR540960	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Purge	0	4/3/1986	4/3/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
13271	SR540961	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13272	SR540965	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13273	SR540966	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		11/23/1998		5/18/1999			TRUE	TRUE	FALSE					
13274	SR540967	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		1/27/1999		7/22/1999			TRUE	TRUE	FALSE					
13275	SR540968	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	2/1/2004	1/5/1999	2/1/2004	6/30/1999			TRUE	TRUE	FALSE					
13276	SR540969	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		2/4/1999		7/30/1999			TRUE	TRUE	FALSE					
13277	SR540970	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13278	SR540971	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Purge	0	4/3/1986	4/3/1986	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					
13279	SR540972	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Purge	0	4/3/1986	4/3/1986	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
13280	SR540973	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	5/10/2004	6/30/1995	5/10/2004	12/23/1995			TRUE	TRUE	FALSE					
13281	SR540974	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Vent	0	4/4/1986	4/4/1988	6/30/1995	12/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13282	SR540975	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	3/21/2003	1/26/1999	3/21/2003	7/21/1999			TRUE	TRUE	FALSE					
13283	SR540976	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	V&P Vent	0	4/3/1986	4/3/1986	6/30/1995	7/10/2005	12/23/1995			TRUE	TRUE	FALSE					
13284	SR540977	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/3/1986		12/15/1998		6/9/1999			TRUE	TRUE	FALSE					
13285	SR540978	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	3/6/2003	6/30/1995	3/6/2003	12/23/1995			TRUE	TRUE	FALSE					
13286	SR540979	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400	Remediate	1	4/3/1986	11/26/2003	1/26/1999	11/26/2003	7/21/1999			TRUE	TRUE	FALSE					
13287	SR540981	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Met-A	SS400		0	4/4/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
13288	SR5409880I	SWB			5/1/2012 15:26	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13289	SR5409880Z	SWB			5/1/2012 15:27	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13290	SR5409880S	SWB			5/1/2012 15:28	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13291	SR5409880A	SWB	EMPLACED_CNTR	4/13/2012 15:18	4/19/2012 17:14	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	FALSE	TRUE					
13292	SR5409880S	SWB			5/1/2012 15:28	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13293	SR5409880G	SWB			5/1/2012 15:29	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13294	SR5409880T	SWB			5/1/2012 15:30	mccabed	SR-WD27-221F-Met-A	SS400		0	9/7/2010		9/7/2010					TRUE	TRUE	TRUE					
13295	SR5409890I	SWB	EMPLACED_CNTR	5/2/2011 23:33	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010		3/18/2011			TRUE	TRUE	FALSE					
13296	SR5409890Z	SWB			5/1/2012 15:34	mccabed	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010					TRUE	TRUE	TRUE					
13297	SR5409890S	SWB	EMPLACED_CNTR	4/27/2011 23:20	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010		3/18/2011			TRUE	TRUE	FALSE					
13298	SR5409890K	SWB	EMPLACED_CNTR	4/29/2011 15:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010		8/18/2011			TRUE	TRUE	FALSE					
13299	SR5409890S	SWB			5/1/2012 16:02	mccabed	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010					TRUE	TRUE	TRUE					
13300	SR5409890I	SWB	EMPLACED_CNTR	5/2/2011 23:30	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010		3/18/2011			TRUE	TRUE	FALSE					
13301	SR5409890R	SWB			5/1/2012 16:03	mccabed	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010					TRUE	TRUE	TRUE					
13302	SR5409890N	SWB	EMPLACED_CNTR	5/15/2011 10:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010		3/18/2011			TRUE	TRUE	FALSE					
13303	SR5409891O	SWB			5/1/2012 16:04	mccabed	SR-WD27-221F-Met-A	SS400		0	9/23/2010		9/23/2010					TRUE	TRUE	TRUE					
13304	SR5409881I	SWB	EMPLACED_CNTR	5/5/2011 21:40	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Met-A	SS400		0	9/25/2010		9/25/2010		3/20/2011			TRUE	TRUE	FALSE					
13305	SR5409881Z	SWB			5/1/2012 16:04	mccabed	SR-WD27-221F-Met-A	SS400		0	9/25/2010		9/25/2010					TRUE	TRUE	TRUE					
13306	SR5409891S	SWB	EMPLACED_CNTR	5/3/2011 15:51	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Met-A	SS400		0	9/25/2010		9/25/2010		3/20/2011			TRUE	TRUE	FALSE					
13307	SR5409891K	SWB	EMPLACED_CNTR	5/1/2011 9:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/25/2010		9/25/2010		3/20/2011			TRUE	TRUE	FALSE					
13308	SR5409900I	SWB	EMPLACED_CNTR	10/8/2011 14:04	4/28/2011 6:00	mccabed	SR-WD27-221F-Met-A	SS400		0	7/8/2010	4/15/2011	7/8/2010	4/15/2011	12/31/2010		- Rplcd into SR54099012	TRUE	TRUE	FALSE					
13309	SR5409900Z	SWB	EMPLACED_CNTR	4/28/2011 19:23	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13310	SR5409900S	SWB	EMPLACED_CNTR	4/21/2011 18:40	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13311	SR5409900K	SWB	EMPLACED_CNTR	4/28/2011 19:02	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13312	SR5409900S	SWB	EMPLACED_CNTR	4/28/2011 19:21	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13313	SR5409900G	SWB	EMPLACED_CNTR	5/12/2011 19:02	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13314	SR5409900T	SWB	EMPLACED_CNTR	5/1/2011 9:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		12/31/2010			TRUE	TRUE	FALSE					
13315	SR5409900I	SWB	EMPLACED_CNTR	4/28/2011 22:28	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/8/2010		7/8/2010		1/1/2011			TRUE	TRUE	FALSE					
13316	SR5409900N	SWB	EMPLACED_CNTR	4/28/2011 19:22	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	7/9/2010		7/9/2010		1/1/2011			TRUE	TRUE	FALSE					
13317	SR5409901I	SLB2	EMPLACED_CNTR	11/2/2012 11:02	5/1/2012 15:25	mccabed	SR-WD27-221F-Met-A	SS400		0	7/7/2010		7/7/2010	3/9/2012				TRUE	TRUE	TRUE					
13318	SR5409901Z	SSG	EMPLACED_CNTR	5/30/2012 13:45	5/1/2012 15:26	mccabed	SR-WD27-221F-Met-A	SS400	Remediation	0	7/8/2010	5/18/2011	7/8/2010	5/18/2011			- Rplcd Was SR54099001	TRUE	TRUE	TRUE		SR54099001			Repact
13319	SR5409910I	SWB	EMPLACED_CNTR	4/28/2011 19:23	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010		3/11/2011			TRUE	TRUE	FALSE					
13320	SR5409910Z	SWB			5/1/2012 15:31	mccabed	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010					TRUE	TRUE	TRUE					
13321	SR5409910S	SWB			5/1/2012 15:31	mccabed	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010					TRUE	TRUE	TRUE					
13322	SR5409910K	SWB	EMPLACED_CNTR	5/1/2011 9:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010		3/11/2011			TRUE	TRUE	FALSE					
13323	SR5409910G	SWB			5/1/2012 15:33	mccabed	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010					TRUE	TRUE	TRUE					
13324	SR5409910T	SWB	EMPLACED_CNTR	4/17/2012 10:21	4/19/2012 17:14	mccabed	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010					TRUE	FALSE	TRUE					
13325	SR5409910I	SWB	EMPLACED_CNTR	10/4/2011 20:05	5/5/2011 11:28	mccabed	SR-WD27-221F-Met-A	SS400	Remediation	0	9/16/2010	4/22/2011	9/16/2010	4/22/2011			- Rplcd into SR54099112	TRUE	TRUE	FALSE					
13326	SR5409910N	SWB	EMPLACED_CNTR	3/7/2012 10:35	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010		3/11/2011			TRUE	TRUE	FALSE					
13327	SR5409911O	SWB	EMPLACED_CNTR	4/29/2011 15:00	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010		3/11/2011			TRUE	TRUE	FALSE					
13328	SR5409911I	SWB			5/1/2012 15:33	mccabed	SR-WD27-221F-Met-A	SS400		0	9/16/2010		9/16/2010					TRUE	TRUE	TRUE					
13329	SR5409911Z	SSG	EMPLACED_CNTR	10/18/2011 19:52	5/5/2011 11:28	mccabed	SR-WD27-221F-Met-A	SS400	None	0	4/22/2011		4/22/2011				- Rplcd was SR54099108	TRUE	TRUE	FALSE		SR54099108			Repact
13330	SR5409911S	SSG	EMPLACED_CNTR	5/30/2012 8:58	5/1/2012 16:13	mccabed	SR-WD27-221F-Met-A	SS400	Remediation	0	1/27/2012	1/31/2012	1/27/2012	1/31/2012			- Rplcd was SR54099105	TRUE	TRUE	TRUE		SR54099105			Daughter
13331	SR5409911K	SSG	EMPLACED_CNTR	5/30/2012 9:02	5/1/2012 16:14	mccabed	SR-WD27-221F-Met-A	SS400	Remediation	0	1/27/2012	2/1/2012	1/27/2012	2/1/2012			- Rplcd was SR54099105	TRUE	TRUE	TRUE		SR54099105			Daughter
13332	SR5409911G	SSG	EMPLACED_CNTR	9/21/2012 13:21	5/1/2012 16:16	mccabed	SR-WD27-221F-Met-A	SS400	Remediation	0	1/27/2012	2/1/2012	1/27/2012	2/1/2012			- Rplcd was SR54099105	TRUE	TRUE	TRUE		SR54099105			Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13313	SRS4099117	SSG	EMPLACED_CNTR	12/7/2012 9:28	6/28/2012 12:09	mccabed	SR-WD27-221F-Het-A	SS400		0	6/15/2012	6/20/2012	6/15/2012	6/20/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS4099105	TRUE	TRUE	TRUE			SRS4099105		Daughter
13334	SRS4099201	SWB			5/1/2012 15:17	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	TRUE	TRUE					
13335	SRS4099202	SWB	EMPLACED_CNTR	4/28/2011 22:28	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010		10/9/2010			TRUE	TRUE	FALSE					
13336	SRS4099203	SWB			5/1/2012 15:18	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	TRUE	TRUE					
13337	SRS4099204	SWB	EMPLACED_CNTR	4/27/2012 15:14	4/19/2012 17:12	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	FALSE	TRUE					
13338	SRS4099205	SWB			5/1/2012 15:18	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	TRUE	TRUE					
13339	SRS4099206	SWB	EMPLACED_CNTR	3/16/2012 15:25	11/11/2011 8:35	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010	11/2/2011	4/16/2010	11/2/2011			- Rpkgd into SRS4099227	TRUE	TRUE	FALSE					
13340	SRS4099207	SWB			5/1/2012 15:19	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	TRUE	TRUE					
13341	SRS4099208	SWB	EMPLACED_CNTR	3/16/2012 15:25	9/8/2011 16:29	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	4/16/2010	8/30/2011	4/16/2010	8/30/2011			- Rpkgd into SRS4099221 - Rpkgd into SRS4099222 - Rpkgd into SRS4099223 - Rpkgd into SRS4099226	TRUE	TRUE	FALSE					
13342	SRS4099209	SWB	APPROVED_CERT		8/30/2012 8:45	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010	8/23/2012	6/1/2012	8/23/2012		221-F-55078 Tru Waste Container Remediation: 221-F-55078	- Rpkgd into SRS4099220 - Rpkgd into SRS4099229	TRUE	TRUE	TRUE					
13343	SRS4099210	SWB			5/1/2012 15:20	mccabed	SR-WD27-221F-Het-A	SS400		0	4/16/2010		4/16/2010					TRUE	TRUE	TRUE					
13344	SRS4099211	SWB			5/1/2012 15:21	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
13345	SRS4099212	SWB			5/1/2012 15:21	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
13346	SRS4099213	SWB			5/1/2012 15:22	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
13347	SRS4099214	SWB			5/1/2012 15:22	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
13348	SRS4099215	SWB	EMPLACED_CNTR	4/28/2011 19:02	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010		10/13/2010			TRUE	TRUE	FALSE					
13349	SRS4099216	SWB	EMPLACED_CNTR	4/14/2012 14:54	4/19/2012 17:13	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010	12/15/2011	4/20/2010	12/15/2011				TRUE	FALSE	TRUE					
13350	SRS4099217	SWB	EMPLACED_CNTR	10/6/2011 20:08	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010		10/13/2010			TRUE	TRUE	FALSE					
13351	SRS4099218	SWB			5/1/2012 15:23	mccabed	SR-WD27-221F-Het-A	SS400		0	4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
13352	SRS4099219	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/16/2012 13:42	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	4/20/2010	1/18/2012	4/20/2010	1/18/2012			- Rpkgd into SRS4099228	TRUE	TRUE	TRUE					
13353	SRS4099220	SWB			6/4/2013 13:24	mccabed	SR-WD27-221F-Het-A	SS400		0	6/1/2012	5/22/2013	6/1/2012	5/21/2013		NOP-221-H-8827	- Rpkgd was SRS4099209	TRUE	TRUE	TRUE			SRS4099209		Daughter
13354	SRS4099222	SSG	EMPLACED_CNTR	10/6/2011 22:31	5/24/2011 6:49	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	5/8/2011	5/18/2011	5/8/2011	5/18/2011			- Rpkgd was SRS4099208 - Rpkgd into SRS4099225	TRUE	TRUE	FALSE					
13355	SRS4099223	SSG	APPROVED_CERT		4/19/2012 17:18	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	5/8/2011	5/18/2011	5/8/2011	5/18/2011			- Rpkgd was SRS4099208	TRUE	FALSE	TRUE			SRS4099208		Daughter
13356	SRS4099225	SSG	EMPLACED_CNTR	10/18/2011 19:52	5/24/2011 6:49	mccabed	SR-WD27-221F-Het-A	SS400	None	0	5/18/2011		5/18/2011				- Rpkgd was SRS4099208 - Rpkgd was SRS4099222	TRUE	TRUE	FALSE			SRS4099222	SRS4099208	Daughter
13357	SRS4099226	SSG	EMPLACED_CNTR	3/28/2012 15:44	5/19/2011 14:58	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	8/30/2011	9/13/2011	8/30/2011	9/13/2011			- Rpkgd was SRS4099208	TRUE	TRUE	FALSE			SRS4099208		Daughter
13358	SRS4099228	SSG	EMPLACED_CNTR	11/4/2012 12:45	7/24/2012 14:00	mccabed	SR-WD27-221F-Het-A	SS400	None	0	1/18/2012	7/19/2012	1/18/2012	7/19/2012		Per ADickerson email 051812: 221-F-55078 Tru Drum Repackaging	- Rpkgd was SRS4099219	TRUE	TRUE	TRUE			SRS4099219		Repack
13359	SRS4099229	SWB	APPROVED_CERT		8/30/2012 8:45	mccabed	SR-WD27-221F-Het-A	SS400		0	8/23/2012		8/23/2012				- Rpkgd was SRS4099209	TRUE	TRUE	TRUE			SRS4099209		Daughter
13360	SRS4099	Black Box			5/1/2012 15:10	mccabed	SR-WD27-221F-Het-A	SS400		0	8/6/1986		8/6/1986			Added back per MFapp email 061011	Repackaged into SRS4099301 thru 08	TRUE	TRUE	TRUE					
13361	SRS4099301	SLB2	EMPLACED_CNTR	5/8/2012 15:20	4/19/2012 17:17	mccabed	SR-WD27-221F-Het-A	SS400		0	1/7/2010		1/7/2010	4/12/2011				TRUE	FALSE	TRUE					
13362	SRS4099304	SLB2	EMPLACED_CNTR	9/28/2012 14:41	5/1/2012 15:10	mccabed	SR-WD27-221F-Het-A	SS400		0	1/7/2010		1/7/2010	3/9/2012				TRUE	TRUE	TRUE					
13363	SRS4099305	SLB2	EMPLACED_CNTR	8/31/2012 13:03	5/1/2012 15:11	mccabed	SR-WD27-221F-Het-A	SS400		0	1/7/2010		1/7/2010	2/3/2012		Filter Reduction Date: 2/3/2012; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE					
13364	SRS4099311	SSG	EMPLACED_CNTR	10/18/2011 19:52	4/28/2011 6:00	mccabed	SR-WD27-221F-Het-A	SS400			1/8/2010	3/30/2011	1/8/2010	3/30/2011			- Rpkgd Was SRS4099309	TRUE	TRUE	FALSE			SRS4099309		Repack
13365	SRS4099319	SSG	EMPLACED_CNTR	10/18/2011 19:52	5/18/2011 20:59	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	4/7/2011	5/16/2011	4/7/2011	5/16/2011			Rpkgd was SRS4099303	TRUE	TRUE	FALSE			SRS4099303		Repack
13366	SRS4099320	SSG	EMPLACED_CNTR	10/6/2011 22:31	5/1/2011 12:57	mccabed	SR-WD27-221F-Het-A	SS400		0	4/7/2011		4/7/2011				- Rpkgd was SRS4099303	TRUE	TRUE	FALSE			SRS4099303		Repack
13367	SRS4099327	SSG	EMPLACED_CNTR	5/30/2012 13:43	5/1/2012 16:05	mccabed	SR-WD27-221F-Het-A	SS400		0	4/5/2011		4/5/2011				- Rpkgd was SRS4099302	TRUE	TRUE	TRUE			SRS4099302		Repack
13368	SRS4099328	SSG	EMPLACED_CNTR	5/30/2012 13:45	5/1/2012 16:06	mccabed	SR-WD27-221F-Het-A	SS400		0	4/5/2011		4/5/2011				- Rpkgd was SRS4099302	TRUE	TRUE	TRUE			SRS4099302		Repack
13369	SRS4099329	SSG	EMPLACED_CNTR	10/6/2011 22:31	6/8/2011 17:23	mccabed	SR-WD27-221F-Het-A	SS400	Remediation	0	4/5/2011	5/16/2011	4/5/2011	5/16/2011			Rpkgd was SRS4099302	TRUE	TRUE	FALSE			SRS4099302		Repack
13370	SRS4099401	SWB			5/1/2012 15:24	mccabed	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010					TRUE	TRUE	TRUE					
13371	SRS4099402	SWB			5/1/2012 15:24	mccabed	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010					TRUE	TRUE	TRUE					
13372	SRS4099403	SWB	EMPLACED_CNTR	1/4/2012 13:03	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13373	SRS4099404	SWB	EMPLACED_CNTR	4/27/2011 23:23	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13374	SRS4099405	SWB	EMPLACED_CNTR	1/4/2012 13:03	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13375	SRS4099406	SWB	EMPLACED_CNTR	5/5/2011 19:27	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13376	SRS4099407	SWB	EMPLACED_CNTR	5/1/2011 12:10	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13377	SRS4099408	SWB	EMPLACED_CNTR	1/4/2012 13:03	4/28/2011 6:00	idcwebuser	SR-WD27-221F-Het-A	SS400		0	6/16/2010		6/16/2010		12/9/2010			TRUE	TRUE	FALSE					
13378	SRS4099409	SLB2	EMPLACED_CNTR	10/10/2012 13:58	4/19/2012 17:17	mccabed	SR-WD27-221F-Het-A	SS400		0	6/15/2010		6/15/2010	6/16/2011		Filter Reduction Date: 6/16/2011Reduced Filter Model: NFT-013		TRUE	FALSE	TRUE					
13379	SRS40995	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		12/16/1998		6/10/1999			TRUE	TRUE	FALSE					
13380	SRS40996	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		8/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13381	SRS40997	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		8/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13382	SRS40998	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		1/28/1999		7/23/1999			TRUE	TRUE	FALSE					
13383	SRS40999	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		1/18/1999		7/13/1999			TRUE	TRUE	FALSE					
13384	SRS41000	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/7/1986		1/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13385	SRS41024	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13386	SRS41025	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13387	SRS41026	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
13388	SRS41027	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
13389	SRS41028	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	3/31/1986	11/12/2003	11/2/1998	11/12/2003	4/27/1999			TRUE	TRUE	FALSE					
13390	SRS41029	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
13391	SRS41030	SSG	EMPLACED_CNTR	9/2/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	7/8/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
13392	SRS41031	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
13393	SRS41032	SSG	EMPLACED_CNTR	9/16/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	3/31/1986	6/30/2003	10/28/1998	6/30/2003	4/29/1999			TRUE	TRUE	FALSE					
13394	SRS41033	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13395	SRS41034	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	3/31/1986	1/11/2004	6/30/1995	1/11/2004	12/23/1995			TRUE	TRUE	FALSE					
13396	SRS41035	SSG	EMPLACED_CNTR	3/18/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		11/3/1998		4/28/1999			TRUE	TRUE	FALSE					
13397	SRS41036	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/31/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
13398	SRS41037	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13399	SRS41038	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	4/16/1986	3/26/2003	2/2/1999	3/26/2003	7/28/1999			TRUE	TRUE	FALSE					
13400	SRS41039	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/16/1986		1/7/1999		7/2/1999			TRUE	TRUE	FALSE					
13401	SRS41040	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/16/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13402	SRS41053	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/17/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
13403	SRS41054	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/17/1986		2/8/1999		8/3/1999			TRUE	TRUE	FALSE					
13404	SRS41055	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/17/1986		11/4/1998		4/29/1999			TRUE	TRUE	FALSE					
13405	SRS41056	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/17/1986		2/9/1999		8/4/1999			TRUE	TRUE	FALSE					
13406	SRS41057	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	4/17/1986	2/2/2004	2/9/1999	2/2/2004	8/4/1999			TRUE	TRUE	FALSE					
13407	SRS41058	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	4/17/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
13408	SRS41301	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13409	SRS41302	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13410	SRS41303	SSG	EMPLACED_CNTR	10/30/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	2/9/1988	9/5/2003	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
13411	SRS41304	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	2/9/1988	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13412	SRS41305	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221F-Het-A	SS400		0	3/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1413	SR541306	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	3/1/1988	3/1/1988	3/1/1988	3/30/2008	8/24/1988			TRUE	TRUE	FALSE					
1414	SR541307	SSG	EMPLACED_CNTR	10/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/1/1988	4/14/2004	6/30/1995	4/14/2004	12/23/1995			TRUE	TRUE	FALSE					
1415	SR541308	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/1/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1416	SR541309	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1417	SR541310	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1418	SR541311	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1419	SR541312	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1420	SR541313	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1421	SR541314	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1422	SR541315	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/8/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1423	SR541316	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/8/1988	12/20/2003	6/30/1995	12/20/2003	12/23/1995			TRUE	TRUE	FALSE					
1424	SR541317	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/13/1988	8/18/2003	6/30/1995	8/18/2003	12/23/1995			TRUE	TRUE	FALSE					
1425	SR541319	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1426	SR541320	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/13/1988	12/3/2004	6/30/1995	12/3/2004	12/23/1995			TRUE	TRUE	FALSE					
1427	SR541321	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/13/1988	11/3/2006	6/30/1995	11/3/2006	12/23/1995			TRUE	TRUE	FALSE					
1428	SR541322	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1429	SR541323	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1430	SR541324	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1431	SR541325	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	4/13/2006	6/30/1995	4/13/2006	12/23/1995			TRUE	TRUE	FALSE					
1432	SR541326	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	4/13/2006	6/30/1995	4/13/2006	12/23/1995			TRUE	TRUE	FALSE					
1433	SR541327	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	12/3/2003	6/30/1995	12/3/2003	12/23/1995			TRUE	TRUE	FALSE					
1434	SR541328	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1435	SR541329	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1436	SR541330	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/15/1988	11/1/2006	6/30/1995	11/1/2006	12/23/1995			TRUE	TRUE	FALSE					
1437	SR541331	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1438	SR541332	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	3/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1439	SR541333	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/22/1988	8/26/2006	6/30/1995	8/26/2006	12/23/1995			TRUE	TRUE	FALSE					
1440	SR541334	SSG	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/22/1988	5/8/2004	6/30/1995	5/8/2004	12/23/1995			TRUE	TRUE	FALSE					
1441	SR541335	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/29/1988	12/4/2004	6/30/1995	12/4/2004	12/23/1995			TRUE	TRUE	FALSE					
1442	SR541337	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/29/1988	4/2/2004	6/30/1995	4/2/2004	12/23/1995			TRUE	TRUE	FALSE					
1443	SR541338	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	3/29/1988	3/29/1988	3/29/1988	3/26/2008	9/21/1988			TRUE	TRUE	FALSE					
1444	SR541339	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	3/29/1988	4/4/2006	6/30/1995	4/4/2006	12/23/1995			TRUE	TRUE	FALSE					
1445	SR541343	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/5/1988	5/9/2006	6/30/1995	5/9/2006	12/23/1995			TRUE	TRUE	FALSE					
1446	SR541344	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/5/1988	9/7/2006	6/30/1995	9/7/2006	12/23/1995			TRUE	TRUE	FALSE					
1447	SR541345	SSG	EMPLACED_CNTR	9/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1448	SR541346	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/5/1988	1/9/2004	6/30/1995	1/9/2004	12/23/1995			TRUE	TRUE	FALSE					
1449	SR541347	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1450	SR541348	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1451	SR541349	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1452	SR541350	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1453	SR541351	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1454	SR541352	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1455	SR541353	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1456	SR541354	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1457	SR541355	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1458	SR541356	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/13/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1459	SR541357	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1460	SR541358	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1461	SR541359	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1462	SR541360	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1463	SR541361	SSG	EMPLACED_CNTR	8/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1464	SR541362	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1465	SR541363	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1466	SR541364	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1467	SR541365	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1468	SR541366	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1469	SR541367	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1470	SR541368	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1471	SR541369	SSG	EMPLACED_CNTR	10/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/20/1988	4/22/2004	6/30/1995	4/22/2004	12/23/1995			TRUE	TRUE	FALSE					
1472	SR541370	SSG	EMPLACED_CNTR	9/7/2010 18:44	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	4/26/1988	4/26/1988		3/12/2004				TRUE	TRUE	FALSE					
1473	SR541371	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1474	SR541372	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1475	SR541373	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1476	SR541374	SSG	EMPLACED_CNTR	3/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/26/1988	10/14/2003	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
1477	SR541375	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/26/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1478	SR541376	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/4/1988	8/31/2003	6/30/1995	8/31/2003	12/23/1995			TRUE	TRUE	FALSE					
1479	SR541377	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/4/1988	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
1480	SR541378	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	5/4/1988	5/4/1988	5/30/1995	12/31/2007	12/23/1995			TRUE	TRUE	FALSE					
1481	SR541379	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1482	SR541380	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1483	SR541381	SSG	EMPLACED_CNTR	9/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1484	SR541382	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1485	SR541383	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/10/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1486	SR541384	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/10/1988	5/18/2004	6/30/1995	5/18/2004	12/23/1995			TRUE	TRUE	FALSE					
1487	SR541385	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/10/1988	3/27/2008	6/30/1995	3/27/2008	12/23/1995			TRUE	TRUE	FALSE					
1488	SR541386	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1489	SR541387	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1490	SR541388	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/17/1988	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
1491	SR541392	SSG	EMPLACED_CNTR	8/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1492	SR541393	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	5/17/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
1493	SR541394	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/17/1988	1/25/2008	6/30/1995	1/25/2008	12/23/1995			TRUE	TRUE	FALSE					
1494	SR541395	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/17/1988	5/28/2003	6/30/1995	5/28/2003	12/23/1995			TRUE	TRUE	FALSE					
1495	SR541396	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	5/17/1988	1/24/2008	6/30/1995	1/24/2008	12/23/1995			TRUE	TRUE	FALSE					
1496	SR542501	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/14/1986	6/2/2008	10/14/1986	6/2/2008	4/8/1987			TRUE	TRUE	FALSE					
1497	SR542502	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/14/1986	7/10/2006	6/30/1995	7/10/2006	12/23/1995			TRUE	TRUE	FALSE					
1498	SR542503	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	10/14/1986	10/14/1986	10/14/1986	10/18/2006	4/8/1987			TRUE	TRUE	FALSE					
1499	SR542504	SSG	EMPLACED_CNTR	4/16/2011 13:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/13/1986	11/15/2007	6/30/1995	11/15/2007	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
1500	SR542505	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/14/1986	6/4/2004	6/30/1995	6/4/2004	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13501	SR542506	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/14/1986	5/29/2004	6/30/1995	5/29/2004	12/23/1995			TRUE	TRUE	FALSE					
13502	SR542507	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/14/1986	5/29/2004	6/30/1995	5/29/2004	12/23/1995			TRUE	TRUE	FALSE					
13503	SR542508	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/14/1986	5/30/2004	6/30/1995	5/30/2004	12/23/1995			TRUE	TRUE	FALSE					
13504	SR542509	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/14/1986	3/21/2006	10/14/1986	3/21/2008	4/8/1987			TRUE	TRUE	FALSE					
13505	SR542510	SSG	EMPLACED_CNTR	9/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	V&P Purge	0	10/13/1986	10/13/1986	6/30/1995	7/5/2005	12/23/1995			TRUE	TRUE	FALSE					
13506	SR542511	SSG	EMPLACED_CNTR	10/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/13/1986	8/1/2004	6/30/1995	8/1/2004	12/23/1995			TRUE	TRUE	FALSE					
13507	SR542512	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13508	SR542513	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13509	SR542515	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13510	SR542516	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/13/1986	6/8/2004	6/30/1995	6/8/2004	12/23/1995			TRUE	TRUE	FALSE					
13511	SR542517	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13512	SR542518	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/16/1986	4/15/2006	6/30/1995	4/15/2006	12/23/1995			TRUE	TRUE	FALSE					
13513	SR542519	SSG	EMPLACED_CNTR	6/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/16/1986	2/13/2007	6/30/1995	2/13/2007	12/23/1995			TRUE	TRUE	FALSE					
13514	SR542520	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13515	SR542521	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13516	SR542522	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13517	SR542523	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13518	SR542524	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/16/1986	3/1/2006	6/30/1995	3/1/2006	12/23/1995			TRUE	TRUE	FALSE					
13519	SR542526	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13520	SR542527	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13521	SR542529	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/16/1986	11/28/2003	6/30/1995	11/28/2003	12/23/1995			TRUE	TRUE	FALSE					
13522	SR542531	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13523	SR542532	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	V&P Vent	0	10/16/1986	10/16/1986	6/30/1995	2/25/2004	12/23/1995			TRUE	TRUE	FALSE					
13524	SR542533	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13525	SR542534	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13526	SR542535	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13527	SR542536	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13528	SR542537	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13529	SR542538	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/20/1986	8/22/2003	6/30/1995	8/22/2003	12/23/1995			TRUE	TRUE	FALSE					
13530	SR542539	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/21/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13531	SR542541	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/21/1986	6/11/2004	6/30/1995	6/11/2004	12/23/1995			TRUE	TRUE	FALSE					
13532	SR542543	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13533	SR542544	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/20/1986	6/8/2004	6/30/1995	6/8/2004	12/23/1995			TRUE	TRUE	FALSE					
13534	SR542545	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13535	SR542547	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13536	SR542548	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/20/1986	3/12/2003	6/30/1995	3/12/2003	12/23/1995			TRUE	TRUE	FALSE					
13537	SR542549	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13538	SR542550	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/21/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13539	SR542552	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/23/1986	9/9/2003	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
13540	SR542553	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/23/1986	9/10/2003	6/30/1995	9/10/2003	12/23/1995			TRUE	TRUE	FALSE					
13541	SR542554	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/23/1986	12/29/2005	6/30/1995	12/29/2005	12/23/1995			TRUE	TRUE	FALSE					
13542	SR542555	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/23/1986	4/7/2006	10/23/1986	4/7/2006	4/17/1987			TRUE	TRUE	FALSE					
13543	SR542556	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13544	SR542557	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1986	3/12/2007	6/30/1995	3/12/2007	12/23/1995			TRUE	TRUE	FALSE					
13545	SR542557A	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/12/2007		3/12/2007					TRUE	TRUE	FALSE					
13546	SR542558	SSG	EMPLACED_CNTR	4/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13547	SR542559	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13548	SR542560	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13549	SR542561	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1986	11/20/2003	6/30/1995	11/20/2003	12/23/1995			TRUE	TRUE	FALSE					
13550	SR542562	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13551	SR542563	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1986	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					
13552	SR542564	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/28/1986	4/24/2003	6/30/1995	4/24/2003	12/23/1995			TRUE	TRUE	FALSE					
13553	SR542565	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13554	SR542566	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13555	SR542567	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13556	SR542568	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13557	SR542569	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13558	SR542570	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13559	SR542571	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13560	SR542572	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/29/1986	4/16/2006	6/30/1995	4/16/2006	12/23/1995			TRUE	TRUE	FALSE					
13561	SR542573	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13562	SR542574	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13563	SR542575	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/29/1986	6/27/2006	6/30/1995	6/27/2006	12/23/1995			TRUE	TRUE	FALSE					
13564	SR542576	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13565	SR542577	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/29/1986	7/3/2007	6/30/1995	7/3/2007	12/23/1995			TRUE	TRUE	FALSE					
13566	SR542578	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	V&P Vent	0	10/29/1986	10/29/1986	6/30/1995	5/31/2005	12/23/1995			TRUE	TRUE	FALSE					
13567	SR542579	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	10/29/1986	7/7/2003	6/30/1995	7/7/2003	12/23/1995			TRUE	TRUE	FALSE					
13568	SR542581	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13569	SR542582	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	10/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13570	SR542585	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/3/1986	11/16/2003	6/30/1995	11/16/2003	12/23/1995			TRUE	TRUE	FALSE					
13571	SR542586	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13572	SR542587	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13573	SR542588	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13574	SR542589	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/3/1986	8/5/2005	6/30/1995	8/5/2005	12/23/1995			TRUE	TRUE	FALSE					
13575	SR542589A	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1		8/5/2005		8/5/2005				TRUE	TRUE	FALSE					
13576	SR542590	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/5/1986	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					
13577	SR542591	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/10/1986	11/13/2003	6/30/1995	11/13/2003	12/23/1995			TRUE	TRUE	FALSE					
13578	SR542592	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/10/1986	11/29/2003	6/30/1995	11/29/2003	12/23/1995			TRUE	TRUE	FALSE					
13579	SR542593	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13580	SR542594	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13581	SR542595	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/10/1986	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
13582	SR542596	SSG	EMPLACED_CNTR	10/30/2010 9:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	V&P Vent	0	11/10/1986	11/10/1986	6/30/1995	5/13/2007	12/23/1995			TRUE	TRUE	FALSE					
13583	SR542597	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	11/10/1986	9/24/2007	6/30/1995	9/24/2007	12/23/1995			TRUE	TRUE	FALSE					
13584	SR542598	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13585	SR542599	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13586	SR542600	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	11/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13587	SR541201	SSG	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13588	SR541202	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	8/4/1986	12/3/2003	6/30/1995	12/3/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13589	SR543203	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13590	SR543205	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/4/1986	6/21/2006	6/30/1995	6/1/2006	12/23/1995			TRUE	TRUE	FALSE					
13591	SR543207	SSG	EMPLACED_CNTR	12/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/4/1986	12/2/2006	6/30/1995	11/2/2006	12/23/1995			TRUE	TRUE	FALSE					
13592	SR543208	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13593	SR543209	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/4/1986	4/15/2006	6/30/1995	4/15/2006	12/23/1995			TRUE	TRUE	FALSE					
13594	SR543210	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13595	SR543106	SWB			5/1/2012 15:12	mccabed	SR-WO27-221F-Met-A	SS400			8/1/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	TRUE					
13596	SR543211	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13597	SR543213301	SWB	EMPLACED_CNTR	4/4/2012 15:23	10/24/2011 10:51	mccabed	SR-WO27-221F-Met-A	SS400	Remediation		2/19/2011	10/19/2011	2/19/2011	10/19/2011			- Rpkgd Was SR543213 - Rpkgd into SR543213J9	TRUE	TRUE	TRUE					
13598	SR543213304	SWB	EMPLACED_CNTR	5/18/2012 13:47	5/1/2012 15:12	mccabed	SR-WO27-221F-Met-A	SS400			8/11/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	TRUE			SR543213		Repack
13599	SR543213313	SWB	EMPLACED_CNTR	10/6/2011 20:08	4/28/2011 6:00	MORRISJ	SR-WO27-221F-Met-A	SS400			8/11/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	FALSE			SR543213		Repack
13600	SR543213314	SWB	EMPLACED_CNTR	10/6/2011 20:05	4/28/2011 6:00	MORRISJ	SR-WO27-221F-Met-A	SS400			8/11/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	FALSE			SR543213		Repack
13601	SR543213316	SWB	EMPLACED_CNTR	3/7/2012 9:13	4/28/2011 6:00	MORRISJ	SR-WO27-221F-Met-A	SS400			8/11/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	FALSE			SR543213		Repack
13602	SR543213317	SWB	EMPLACED_CNTR	10/6/2011 23:01	4/28/2011 6:00	MORRISJ	SR-WO27-221F-Met-A	SS400			8/11/1986	2/19/2011	8/11/1986	2/19/2011			- Rpkgd Was SR543213	TRUE	TRUE	FALSE			SR543213		Repack
13603	SR543213319	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/24/2011 10:51	mccabed	SR-WO27-221F-Met-A	SS400	None		10/19/2011		10/19/2011				- Rpkgd was SR543213J01	TRUE	TRUE	FALSE			SR543213J01	SR543213	Repack
13604	SR543214	Black Box			5/1/2012 15:13	mccabed	SR-WO27-221F-Met-A	SS400		0	8/11/1986	11/8/2011	8/11/1986	11/8/2011			- Rpkgd into SR54321401 - Rpkgd into SR543214J2 - Rpkgd into SR54321403 - Rpkgd into SR54321404 - Rpkgd into SR54321405 - Rpkgd into SR54321406 - Rpkgd into SR54321407 - Rpkgd into SR54321408	TRUE	TRUE	TRUE					
13605	SR54321401	SLB2	EMPLACED_CNTR	11/20/2012 13:03	8/27/2012 18:21	mccabed	SR-WO27-223F-Met-A	SS400	Remediation	0	3/16/2012		3/14/2012	8/8/2012		Parent generation date: 11/8/2011; Filter reconfiguration date: 8/8/2012; Reduced filter model: NFT-013	- Rpkgd was SR543214 - Rpkgd into SR54321409	TRUE	TRUE	TRUE					
13606	SR54321402	SLB2	APPROVED_CERT		10/15/2012 16:09	mccabed	SR-WO27-223F-Met-A	SS400		0	7/31/2012		7/31/2012	10/11/2012		221-F-55078 Tru Waste Container Remediation; Parent generation date: 11/8/2011; Filter reconfiguration date: 10/11/2012; Reduced filter model: NFT-013	- Rpkgd was SR543214 - Rpkgd into SR54321410 - Rpkgd into SR54321411	TRUE	TRUE	TRUE					
13607	SR54321404	SWB	EMPLACED_CNTR	9/13/2012 13:39	5/1/2012 16:10	mccabed	SR-WO27-223F-Met-A	SS400	Vent	0	11/8/2011		11/8/2011	1/17/2012			- Rpkgd was SR543214	TRUE	TRUE	TRUE			SR543214		Daughter
13608	SR54321407	SWB	EMPLACED_CNTR	9/13/2012 13:35	5/1/2012 16:11	mccabed	SR-WO27-223F-Met-A	SS400	Vent	0	11/8/2011		11/8/2011	1/17/2012			- Rpkgd was SR543214	TRUE	TRUE	TRUE			SR543214		Daughter
13609	SR54321408	SWB	EMPLACED_CNTR	9/25/2012 12:55	5/1/2012 16:12	mccabed	SR-WO27-223F-Met-A	SS400	Vent	0	11/8/2011		11/8/2011	1/17/2012			- Rpkgd was SR543214	TRUE	TRUE	TRUE			SR543214		Daughter
13610	SR54321409	SSG	EMPLACED_CNTR	5/30/2012 8:58	5/1/2012 16:30	mccabed	SR-WO27-223F-Met-A	SS400	Remediation	0	3/16/2012	3/26/2012	3/16/2012	3/26/2012			- Rpkgd was SR543214 - Rpkgd was SR54321401	TRUE	TRUE	TRUE			SR54321401	SR543214	Daughter
13611	SR54321410	SWB	EMPLACED_CNTR	12/27/2012 11:09	8/8/2012 8:35	mccabed	SR-WO27-223F-Met-A	SS400		0	7/31/2012		7/31/2012				- Rpkgd was SR543214 - Rpkgd was SR54321402	TRUE	TRUE	TRUE			SR54321402	SR543214	Daughter
13612	SR543218	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/6/1986	1/23/2006	6/30/1995	1/23/2006	12/23/1995			TRUE	TRUE	FALSE					
13613	SR543219	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400		0	8/6/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13614	SR543220	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400	Remediate	1	8/6/1986	11/30/2007	6/30/1995	11/30/2007	12/23/1995			TRUE	TRUE	FALSE					
13615	SR543221	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/6/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13616	SR543222	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/6/1986	12/13/2006	6/30/1995	12/13/2006	12/23/1995			TRUE	TRUE	FALSE					
13617	SR543223	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/7/1986	6/16/2003	6/30/1995	6/16/2003	12/23/1995			TRUE	TRUE	FALSE					
13618	SR543224	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/7/1986	6/8/2004	6/30/1995	6/8/2004	12/23/1995			TRUE	TRUE	FALSE					
13619	SR543225	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/7/1986	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
13620	SR543226	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	7/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13621	SR543227	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/5/1986	1/24/2006	6/30/1995	1/24/2006	12/23/1995			TRUE	TRUE	FALSE					
13622	SR543228	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/6/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13623	SR543229	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/6/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13624	SR543230	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13625	SR543231	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13626	SR543232	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400		0	8/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13627	SR543233	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/7/1986	11/18/2006	6/30/1995	11/18/2006	12/23/1995			TRUE	TRUE	FALSE					
13628	SR543233A	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400	Remediate	1		11/18/2006		11/18/2006				TRUE	TRUE	FALSE					
13629	SR543234	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/6/1986	9/23/2006	6/30/1995	9/23/2006	12/23/1995			TRUE	TRUE	FALSE					
13630	SR543235	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/7/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13631	SR543236	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13632	SR543237	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400	Remediate	1	7/31/1986	2/2/2004	6/30/1995	2/2/2004	12/23/1995			TRUE	TRUE	FALSE					
13633	SR543238	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400		0	8/6/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13634	SR543239	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/6/1986	5/7/2008	6/30/1995	5/7/2008	12/23/1995			TRUE	TRUE	FALSE					
13635	SR543239A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	5/7/2008		5/7/2008		10/30/2008			TRUE	TRUE	FALSE					
13636	SR543240	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/7/1986	10/30/2006	6/30/1995	10/30/2006	12/23/1995			TRUE	TRUE	FALSE					
13637	SR543241	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/5/1986	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
13638	SR543242	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400	Remediate	1	8/7/1986	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					
13639	SR543243	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/11/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13640	SR543249	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/11/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13641	SR543250	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13642	SR543251	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/12/1986	3/11/2003	8/12/1986	3/11/2003	2/4/1987			TRUE	TRUE	FALSE					
13643	SR543252	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13644	SR543253	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/10/1986	7/9/2007	6/30/1995	7/9/2007	12/23/1995			TRUE	TRUE	FALSE					
13645	SR543255	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13646	SR543256	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/10/1986	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
13647	SR543257	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/11/1986	5/29/2006	6/30/1995	5/29/2006	12/23/1995			TRUE	TRUE	FALSE					
13648	SR543259	SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13649	SR543261	SSG	EMPLACED_CNTR	3/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/14/1986	8/3/2004	6/30/1995	8/3/2004	12/23/1995			TRUE	TRUE	FALSE					
13650	SR543262	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/10/1986	11/11/2006	6/30/1995	11/11/2006	12/23/1995			TRUE	TRUE	FALSE					
13651	SR543263	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/11/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13652	SR543264	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/10/1986	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13653	SR543265	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/11/1986	12/16/2003	6/30/1995	12/16/2003	12/23/1995			TRUE	TRUE	FALSE					
13654	SR543266	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	V&P Vent	0	8/11/1986	8/11/1986	6/30/1995	9/12/2003	12/23/1995			TRUE	TRUE	FALSE					
13655	SR543267	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-223F-Met-A	SS400	Remediate	1	8/13/1986	12/15/2005	6/30/1995	12/15/2005	12/23/1995			TRUE	TRUE	FALSE					
13656	SR543268	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/13/1986	8/3/2004	6/30/1995	8/3/2004	12/23/1995			TRUE	TRUE	FALSE					
13657	SR543269	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13658	SR543270	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/13/1986	7/24/2003	6/30/1995	7/24/2003	12/23/1995			TRUE	TRUE	FALSE					
13659	SR543271	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400	Remediate	1	8/13/1986	4/5/2006	6/30/1995	4/5/2006	12/23/1995			TRUE	TRUE	FALSE					
13660	SR543272	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13661	SR543273	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13662	SR543274	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13663	SR543275	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221F-Met-A	SS400		0	8/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13664	SR543276	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/13/1986	12/5/2006	6/30/1995	12/5/2006	12/23/1995			TRUE	TRUE	FALSE					
13665	SR543277	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	9/27/2006	6/30/1995	9/27/2006	12/23/1995			TRUE	TRUE	FALSE					
13666	SR543277A	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1		7/9/2007		7/9/2007				TRUE	TRUE	FALSE					
13667	SR543280	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	3/27/2007	6/30/1995	3/27/2007	12/23/1995			TRUE	TRUE	FALSE					
13668	SR543280A	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		1	3/27/2007		3/27/2007					TRUE	TRUE	FALSE					
13669	SR543281	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	7/20/2006	6/30/1995	7/20/2006	12/23/1995			TRUE	TRUE	FALSE					
13670	SR543281A	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1		7/20/2006		7/20/2006				TRUE	TRUE	FALSE					
13671	SR543282	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	9/11/2003	6/30/1995	9/11/2003	12/23/1995			TRUE	TRUE	FALSE					
13672	SR543283	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13673	SR543284	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13674	SR543285	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13675	SR543286	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13676	SR543287	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	7/24/2003	6/30/1995	7/24/2003	12/23/1995			TRUE	TRUE	FALSE					
13677	SR543288	SSG	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13678	SR543290	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13679	SR543291	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/15/1986	3/27/2003	6/30/1995	3/27/2003	12/23/1995			TRUE	TRUE	FALSE					
13680	SR543293	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13681	SR543294	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/19/1986	5/26/2004	6/30/1995	5/26/2004	12/23/1995			TRUE	TRUE	FALSE					
13682	SR543295	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/19/1986	2/9/2004	6/30/1995	2/9/2004	12/23/1995			TRUE	TRUE	FALSE					
13683	SR543296	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13684	SR543297	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13685	SR543298	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/19/1986	1/25/2006	6/30/1995	1/25/2006	12/23/1995			TRUE	TRUE	FALSE					
13686	SR543298A	SSG	EMPLACED_CNTR	12/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		1		1/25/2006		1/25/2006				TRUE	TRUE	FALSE					
13687	SR543299	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13688	SR543501	SSG	EMPLACED_CNTR	9/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/20/1986	12/5/2005	6/30/1995	12/5/2005	12/23/1995			TRUE	TRUE	FALSE					
13689	SR543502	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/20/1986	8/7/2008	6/30/1995	8/7/2008	12/23/1995			TRUE	TRUE	FALSE					
13690	SR543503	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/20/1986	3/21/2003	6/30/1995	3/21/2003	12/23/1995			TRUE	TRUE	FALSE					
13691	SR543504	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	V&P Vent	0	8/20/1986	8/20/1986	6/30/1995	2/23/2004	12/23/1995			TRUE	TRUE	FALSE					
13692	SR543505	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13693	SR543506	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/21/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13694	SR543507	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/21/1986	1/3/2004	6/30/1995	1/3/2004	12/23/1995			TRUE	TRUE	FALSE					
13695	SR543508	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/21/1986	6/28/2006	6/30/1995	6/28/2006	12/23/1995			TRUE	TRUE	FALSE					
13696	SR543508A	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1		6/28/2006		6/28/2006				TRUE	TRUE	FALSE					
13697	SR543509	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/21/1986	7/24/2003	6/30/1995	7/24/2003	12/23/1995			TRUE	TRUE	FALSE					
13698	SR543510	SSG	EMPLACED_CNTR	1/26/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13699	SR543511	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/25/1986	10/31/2005	6/30/1995	10/31/2005	12/23/1995			TRUE	TRUE	FALSE					
13700	SR543512	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/25/1986	1/21/2004	6/30/1995	1/21/2004	12/23/1995			TRUE	TRUE	FALSE					
13701	SR543513	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13702	SR543514	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13703	SR543515	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/25/1986	3/6/2003	6/30/1995	3/6/2003	12/23/1995			TRUE	TRUE	FALSE					
13704	SR543516	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13705	SR543517	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13706	SR543518	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13707	SR543518A	SSG	EMPLACED_CNTR	9/7/2010 18:44	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	0	8/27/1986	3/28/2007		3/28/2007				TRUE	TRUE	FALSE					
13708	SR543518B	SSG	EMPLACED_CNTR	9/7/2010 18:44	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	V&P Vent	0	3/28/2007	3/28/2007	3/28/2007	12/1/2008	9/30/2007			TRUE	TRUE	FALSE					
13709	SR543519	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13710	SR543520	SSG	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13711	SR543521	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13712	SR543522	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13713	SR543523	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13714	SR543524	SSG	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13715	SR543525	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13716	SR543526	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/27/1986	4/22/2004	6/30/1995	4/22/2004	12/23/1995			TRUE	TRUE	FALSE					
13717	SR543527	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/27/1986	12/4/2004	6/30/1995	12/4/2004	12/23/1995			TRUE	TRUE	FALSE					
13718	SR543528	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13719	SR543529	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13720	SR543530	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13721	SR543531	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/27/1986	10/23/2006	6/30/1995	10/23/2006	12/23/1995			TRUE	TRUE	FALSE					
13722	SR543532	SSG	EMPLACED_CNTR	10/6/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13723	SR543533	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/27/1986	3/13/2006	6/30/1995	3/13/2006	12/23/1995			TRUE	TRUE	FALSE					
13724	SR543534	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13725	SR543535	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13726	SR543536	SSG	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13727	SR543538	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13728	SR543539	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/28/1986	6/24/2004	6/30/1995	6/24/2004	12/23/1995			TRUE	TRUE	FALSE					
13729	SR543540	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/28/1986	7/1/2003	6/30/1995	7/1/2003	12/23/1995			TRUE	TRUE	FALSE					
13730	SR543540A	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1		7/1/2003		7/1/2003				TRUE	TRUE	FALSE					
13731	SR543541	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13732	SR543542	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/28/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13733	SR543543	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/29/1986	4/27/2004	6/30/1995	4/27/2004	12/23/1995			TRUE	TRUE	FALSE					
13734	SR543544	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/29/1986	11/29/2003	6/30/1995	11/29/2003	12/23/1995			TRUE	TRUE	FALSE					
13735	SR543545	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	8/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13736	SR543546	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	8/29/1986	6/25/2004	6/30/1995	6/25/2004	12/23/1995			TRUE	TRUE	FALSE					
13737	SR543547	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13738	SR543548	SSG	EMPLACED_CNTR	3/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13739	SR543549	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13740	SR543550	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13741	SR543551	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13742	SR543552	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/2/1986	1/12/2004	6/30/1995	1/12/2004	12/23/1995			TRUE	TRUE	FALSE					
13743	SR543553	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/2/1986	9/13/2006	6/30/1995	9/13/2006	12/23/1995			TRUE	TRUE	FALSE					
13744	SR543554	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13745	SR543556	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13746	SR543557	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13747	SR543558	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/3/1986	2/3/2004	6/30/1995	2/3/2004	12/23/1995			TRUE	TRUE	FALSE					
13748	SR543559	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13749	SR543560	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400	Remediate	1	9/3/1986	12/1/2003	6/30/1995	12/1/2003	12/23/1995			TRUE	TRUE	FALSE					
13750	SR543561	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13751	SR543562	SSG	EMPLACED_CNTR	8/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	S5400		0	9/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13757	SR543563	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13758	SR543564	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	4/22/2008	6/30/1995	4/22/2008	12/23/1995			TRUE	TRUE	FALSE					
13759	SR543565	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13760	SR543566	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/3/1986	4/24/2006	6/30/1995	4/24/2006	12/23/1995			TRUE	TRUE	FALSE					
13761	SR543566A	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1		4/24/2006		4/24/2006				TRUE	TRUE	FALSE					
13762	SR543567	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	9/26/2006	6/30/1995	9/26/2006	12/23/1995			TRUE	TRUE	FALSE					
13763	SR543568	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13764	SR543569	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	10/16/2006	6/30/1995	10/16/2006	12/23/1995			TRUE	TRUE	FALSE					
13765	SR543570	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13766	SR543571	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13767	SR543572	SSG	EMPLACED_CNTR	9/13/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13768	SR543573	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13769	SR543575	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13770	SR543576	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	12/4/2004	6/30/1995	12/4/2004	12/23/1995			TRUE	TRUE	FALSE					
13771	SR543577	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13772	SR543578	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	4/26/2008	6/30/1995	4/26/2008	12/23/1995			TRUE	TRUE	FALSE					
13773	SR543579	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/5/1986	12/16/2003	6/30/1995	12/16/2003	12/23/1995			TRUE	TRUE	FALSE					
13774	SR543580	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/5/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13775	SR543581	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/8/1986	1/20/2004	6/30/1995	1/20/2004	12/23/1995			TRUE	TRUE	FALSE					
13776	SR543582	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13777	SR543583	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13778	SR543584	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/8/1986	5/29/2006	6/30/1995	5/29/2006	12/23/1995			TRUE	TRUE	FALSE					
13779	SR543585	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13780	SR543586	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	V&P Vent	0	9/8/1986	9/8/1986	6/30/1995	10/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13781	SR543587	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	V&P Vent	0	9/8/1986	9/8/1986	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
13782	SR543588	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/8/1986	11/1/2005	6/30/1995	11/1/2005	12/23/1995			TRUE	TRUE	FALSE					
13783	SR543589	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13784	SR543590	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/9/1986	3/31/2003	6/30/1995	3/31/2003	12/23/1995			TRUE	TRUE	FALSE					
13785	SR543591	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	11/14/2003	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
13786	SR543592	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/8/1986	5/12/2004	6/30/1995	5/12/2004	12/23/1995			TRUE	TRUE	FALSE					
13787	SR543593	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13788	SR543594	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	3/24/2004	6/30/1995	3/24/2004	12/23/1995			TRUE	TRUE	FALSE					
13789	SR543595	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	4/4/2003	6/30/1995	4/4/2003	12/23/1995			TRUE	TRUE	FALSE					
13790	SR543596	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/8/1986	12/21/2006	6/30/1995	12/21/2006	12/23/1995			TRUE	TRUE	FALSE					
13791	SR543597	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13792	SR543598	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	6/5/2004	6/30/1995	6/5/2004	12/23/1995			TRUE	TRUE	FALSE					
13793	SR543599	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13794	SR543600	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	V&P Vent	0	9/10/1986	9/10/1986	6/30/1995	9/22/2003	12/23/1995			TRUE	TRUE	FALSE					
13795	SR543601	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13796	SR543602	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/12/1986	10/4/2006	6/30/1995	10/4/2006	12/23/1995			TRUE	TRUE	FALSE					
13797	SR543603	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13798	SR543604	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13799	SR543605	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/12/1986	5/28/2004	6/30/1995	5/28/2004	12/23/1995			TRUE	TRUE	FALSE					
13800	SR543607	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	12/1/2003	6/30/1995	12/1/2003	12/23/1995			TRUE	TRUE	FALSE					
13801	SR543608	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/11/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13802	SR543610	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13803	SR543611	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/10/1986	10/4/2006	6/30/1995	10/4/2006	12/23/1995			TRUE	TRUE	FALSE					
13804	SR543612	SSG	EMPLACED_CNTR	12/12/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13805	SR543613	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/15/1986	8/30/2007	6/30/1995	8/30/2007	12/23/1995			TRUE	TRUE	FALSE					
13806	SR543613A	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	8/30/2007		8/30/2007		2/22/2008			TRUE	TRUE	FALSE					
13807	SR543615	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13808	SR543616	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13809	SR543617	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13810	SR543618	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13811	SR543619	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/15/1986	6/11/2004	6/30/1995	6/11/2004	12/23/1995			TRUE	TRUE	FALSE					
13812	SR543621	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13813	SR543622	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13814	SR543623	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/15/1986	11/14/2003	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
13815	SR543624	SSG	EMPLACED_CNTR	7/29/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13816	SR543625	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13817	SR543626	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13818	SR543627	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/18/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13819	SR543628	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/19/1986	4/12/2004	6/30/1995	4/12/2004	12/23/1995			TRUE	TRUE	FALSE					
13820	SR543629	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	V&P Vent	0	9/19/1986	9/19/1986	6/30/1995	10/16/2003	12/23/1995			TRUE	TRUE	FALSE					
13821	SR543632	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/22/1986	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE	TRUE	FALSE					
13822	SR543633	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/22/1986	7/25/2007	6/30/1995	7/25/2007	12/23/1995			TRUE	TRUE	FALSE					
13823	SR543634	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/22/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13824	SR543635	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/22/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13825	SR543636	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/22/1986	2/20/2007	6/30/1995	2/20/2007	12/23/1995			TRUE	TRUE	FALSE					
13826	SR543636A	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/20/2007	7/9/2007	2/20/2007	7/9/2007	8/15/2007			TRUE	TRUE	FALSE					
13827	SR543637	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/24/1986	12/6/2003	6/30/1995	12/6/2003	12/23/1995			TRUE	TRUE	FALSE					
13828	SR543639	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13829	SR543640	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13830	SR543641	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13831	SR543642	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/25/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13832	SR543643	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/26/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13833	SR543644	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/26/1986	12/7/2003	6/30/1995	12/7/2003	12/23/1995			TRUE	TRUE	FALSE					
13834	SR543645	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/26/1986	4/11/2003	6/30/1995	4/11/2003	12/23/1995			TRUE	TRUE	FALSE					
13835	SR543646	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/26/1986	11/29/2006	6/30/1995	11/29/2006	12/23/1995			TRUE	TRUE	FALSE					
13836	SR543647	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/26/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13837	SR543648	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/30/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13838	SR543649	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	9/30/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13839	SR543650	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	9/30/1986	8/7/2004	6/30/1995	8/7/2004	12/23/1995			TRUE	TRUE	FALSE					
13840	SR543651	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	10/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13841	SR543652	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	10/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13842	SR543653	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	10/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13843	SR543654	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	10/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13844	SR543656	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WD27-221F-Het-A	S5400		0	10/3/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13840	SR543657		55G	EMPLACED_CNTR	9/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/3/1966	6/3/2003	6/30/1995	6/3/2003	12/23/1995		TRUE	TRUE	FALSE					
13841	SR543658		55G	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13842	SR543659		55G	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13843	SR543660		55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/6/1966	6/9/2006	6/30/1995	6/9/2006	12/23/1995		TRUE	TRUE	FALSE					
13844	SR543661		55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13845	SR543662		55G	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13846	SR543663		55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13847	SR543665		55G	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13848	SR543666		55G	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13849	SR543667		55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13850	SR543668		55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13851	SR543669		55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/7/1966	11/9/2006	6/30/1995	11/9/2006	12/23/1995		TRUE	TRUE	FALSE					
13852	SR543670		55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13853	SR543671		55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13854	SR543672		55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13855	SR543673		55G	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/6/1966	5/27/2006	6/30/1995	5/27/2006	12/23/1995		TRUE	TRUE	FALSE					
13856	SR543674		55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/7/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13857	SR543675		55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/6/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13858	SR543676		55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13859	SR543677		55G	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13860	SR543678		55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13861	SR543679		55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/9/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13862	SR543680		55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995		TRUE	TRUE	FALSE					
13863	SR543681		55G	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/8/1966	12/7/2003	6/30/1995	12/7/2003	12/23/1995		TRUE	TRUE	FALSE					
13864	SR543682		55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/8/1966	3/25/2004	6/30/1995	3/25/2004	12/23/1995		TRUE	TRUE	FALSE					
13865	SR543682A		55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1		3/25/2004		4/25/2004				TRUE	FALSE					
13866	SR543683		55G	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13867	SR543684		55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13868	SR543685		55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13869	SR543686		55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/8/1966	12/16/2006	6/30/1995	12/16/2006	12/23/1995			TRUE	TRUE	FALSE					
13870	SR543687		55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13871	SR543688		55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/8/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13872	SR543689		55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/13/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13873	SR543690		55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/13/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13874	SR543691		55G	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/13/1966	1/20/2006	6/30/1995	1/20/2006	12/23/1995			TRUE	TRUE	FALSE					
13875	SR543692		55G	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/13/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13876	SR543693		55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/13/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13877	SR543694		55G	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/13/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13878	SR543696		55G	EMPLACED_CNTR	6/7/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	10/31/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13879	SR543697		55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/31/1966	11/9/2006	6/30/1995	11/9/2006	12/23/1995			TRUE	TRUE	FALSE					
13880	SR543698		55G	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/31/1966	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13881	SR543699		55G	EMPLACED_CNTR	4/6/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	10/31/1966	4/15/2008	10/31/1986	4/15/2008	4/25/1987			TRUE	TRUE	FALSE					
13882	SR543701		55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	11/13/1966	8/1/2007	6/30/1995	8/1/2007	12/23/1995			TRUE	TRUE	FALSE					
13883	SR543702		55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	11/12/1966	4/28/2004	6/30/1995	4/28/2004	12/23/1995			TRUE	TRUE	FALSE					
13884	SR543703		55G	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/12/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13885	SR543704		55G	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/12/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13886	SR543705		55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	V&P Vent	0	11/12/1966	11/12/1986	6/30/1995	4/18/2005	12/23/1995			TRUE	TRUE	FALSE					
13887	SR543706		55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/12/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13888	SR543707		55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/14/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13889	SR543708		55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/14/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13890	SR543709		55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/14/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13891	SR543710		55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	V&P Vent	0	11/14/1966	11/14/1986	6/30/1995	9/10/2003	12/23/1995			TRUE	TRUE	FALSE					
13892	SR543711		55G	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13893	SR543712		55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13894	SR543713		55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13895	SR543714		55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	V&P Purge	0	11/17/1966	11/17/1986	6/30/1995	10/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13896	SR543715		55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13897	SR543717		55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13898	SR543718		55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13899	SR543719		55G	EMPLACED_CNTR	3/15/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/17/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13900	SR543721		55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/19/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13901	SR543722		55G	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	11/19/1966	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
13902	SR543722A		55G	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1		4/11/2007		4/11/2007				TRUE	TRUE	FALSE					
13903	SR543723		55G	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	11/19/1966	11/21/2003	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					
13904	SR543724		55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		1	11/25/1966		11/25/1988		5/26/1987			TRUE	TRUE	FALSE					
13905	SR543725		55G	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/20/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13906	SR543726		55G	EMPLACED_CNTR	8/12/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/25/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13907	SR543727		55G	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/21/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13908	SR543728		55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/25/1966		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
13909	SR543729		55G	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/22/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13910	SR543730		55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/21/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13911	SR543731		55G	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	11/25/1966	11/4/2005	6/30/1995	11/4/2005	12/23/1995			TRUE	TRUE	FALSE					
13912	SR543732		55G	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/22/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13913	SR543733		55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/25/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13914	SR543734		55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	11/25/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13915	SR543736		55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13916	SR543737		55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13917	SR543738		55G	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
13918	SR543739		55G	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13919	SR543740		55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	12/1/1966	11/17/2003	6/30/1995	11/17/2003	12/23/1995			TRUE	TRUE	FALSE					
13920	SR543741		55G	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13921	SR543742		55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13922	SR543744		55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
13923	SR543745		55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13924	SR543746		55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13925	SR543747		55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400		0	12/1/1966		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13926	SR543748		55G	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	12/1/1966	3/12/2006	6/30/1995	3/12/2006	12/24/1995			TRUE	TRUE	FALSE					
13927	SR543749		55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-22LF-Het-A	SS400	Remediate	1	12/1/1966	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
11928	SR543750	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11929	SR543751	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11930	SR543752	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11931	SR543753	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/1/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11932	SR543754	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/4/1986	8/23/2007	12/4/1986	8/23/2007	5/29/1987			TRUE	TRUE	FALSE					
11933	SR543755	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		1	12/4/1986		12/4/1986		5/29/1987			TRUE	TRUE	FALSE					
11934	SR543756	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11935	SR543757	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/2/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11936	SR543759	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11937	SR543760	SSG	EMPLACED_CNTR	10/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
11938	SR543761	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/29/2004	6/30/1995	4/29/2004	12/23/1995			TRUE	TRUE	FALSE					
11939	SR543762	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	V&P Vent	0	12/8/1986	12/8/1986	6/30/1995	1/26/2005	12/23/1995			TRUE	TRUE	FALSE					
11940	SR543763	SSG	EMPLACED_CNTR	10/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	5/30/2004	6/30/1995	5/30/2004	12/23/1995			TRUE	TRUE	FALSE					
11941	SR543764	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	6/3/2004	6/30/1995	6/3/2004	12/23/1995			TRUE	TRUE	FALSE					
11942	SR543765	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	6/3/2004	6/30/1995	6/3/2004	12/23/1995			TRUE	TRUE	FALSE					
11943	SR543766	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	10/17/2007	6/30/1995	10/17/2007	12/23/1995			TRUE	TRUE	FALSE					
11944	SR543767	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	6/2/2004	6/30/1995	6/2/2004	12/23/1995			TRUE	TRUE	FALSE					
11945	SR543768	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	6/4/2004	6/30/1995	6/4/2004	12/23/1995			TRUE	TRUE	FALSE					
11946	SR543769	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE	TRUE	FALSE					
11947	SR543770	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	8/30/2003	6/30/1995	8/30/2003	12/23/1995			TRUE	TRUE	FALSE					
11948	SR543771	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11949	SR543772	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	9/11/2003	6/30/1995	9/11/2003	12/23/1995			TRUE	TRUE	FALSE					
11950	SR543773	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	8/29/2003	6/30/1995	8/29/2003	12/23/1995			TRUE	TRUE	FALSE					
11951	SR543774	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	5/13/2004	6/30/1995	5/13/2004	12/23/1995			TRUE	TRUE	FALSE					
11952	SR543775	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
11953	SR543776	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11954	SR543777	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/4/2006	6/30/1995	4/4/2006	12/23/1995			TRUE	TRUE	FALSE					
11955	SR543778	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	5/2/2004	6/30/1995	5/2/2004	12/23/1995			TRUE	TRUE	FALSE					
11956	SR543779	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/12/2004	6/30/1995	4/21/2004	12/23/1995			TRUE	TRUE	FALSE					
11957	SR543780	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/14/2006	6/30/1995	4/24/2006	12/23/1995			TRUE	TRUE	FALSE					
11958	SR543781	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	9/7/2003	6/30/1995	9/7/2003	12/23/1995			TRUE	TRUE	FALSE					
11959	SR543782	SSG	EMPLACED_CNTR	9/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/3/2006	6/30/1995	4/3/2006	12/23/1995			TRUE	TRUE	FALSE					
11960	SR543784	SSG	EMPLACED_CNTR	7/29/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11961	SR543785	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11962	SR543786	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/8/1986	4/14/2006	6/30/1995	4/14/2006	12/23/1995			TRUE	TRUE	FALSE					
11963	SR543787	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11964	SR543788	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11965	SR543789	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	V&P Purge	0	12/8/1986	12/8/1986	6/30/1995	4/29/2005	12/23/1995			TRUE	TRUE	FALSE					
11966	SR543790	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11967	SR543791	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11968	SR543792	SSG	EMPLACED_CNTR	8/14/2001	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
13969	SR543783	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11970	SR543794	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11971	SR543795	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/9/1986	1/18/2004	6/30/1995	1/18/2004	12/23/1995			TRUE	TRUE	FALSE					
11972	SR543796	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11973	SR543797	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/10/1986	4/2/2006	6/30/1995	4/2/2006	12/23/1995			TRUE	TRUE	FALSE					
11974	SR543798	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/10/1986	10/30/2006	6/30/1995	10/30/2006	12/23/1995			TRUE	TRUE	FALSE					
11975	SR543800	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11976	SR543801	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/11/1986	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
11977	SR543802	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11978	SR543803	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11979	SR543804	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/10/1986	8/16/2003	6/30/1995	8/16/2003	12/23/1995			TRUE	TRUE	FALSE					
11980	SR543805	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11981	SR543806	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11982	SR543807	SSG	EMPLACED_CNTR	8/19/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11983	SR543808	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11984	SR543809	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/12/1986	9/12/2003	6/30/1995	9/12/2003	12/23/1995			TRUE	TRUE	FALSE					
11985	SR543810	SSG	EMPLACED_CNTR	10/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/12/1986	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					
11986	SR543811	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/12/1986	10/2/2006	6/30/1995	10/2/2006	12/23/1995			TRUE	TRUE	FALSE					
11987	SR543812	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/13/1986	10/23/2006	6/30/1995	10/23/2006	12/23/1995			TRUE	TRUE	FALSE					
11988	SR543813	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11989	SR543814	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11990	SR543815	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11991	SR543817	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11992	SR543818	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11993	SR543823	SSG	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11994	SR543824	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11995	SR543825	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/16/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11996	SR543827	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/16/1986	5/9/2006	6/30/1995	5/9/2006	12/23/1995			TRUE	TRUE	FALSE					
11997	SR543828	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
11998	SR543829	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/12/1986	4/16/2006	6/30/1995	4/16/2006	12/23/1995			TRUE	TRUE	FALSE					
11999	SR543830	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14000	SR543831	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14001	SR543832	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/22/1986		6/30/1995		12/24/1995			TRUE	TRUE	FALSE					
14002	SR543833	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/12/1986	3/1/2007	6/30/1995	3/1/2007	12/23/1995			TRUE	TRUE	FALSE					
14003	SR543833A	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	3/1/2007		3/1/2007					TRUE	TRUE	FALSE					
14004	SR543836	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14005	SR543837	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14006	SR543838	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14007	SR543839	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/13/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14008	SR543840	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14009	SR543841	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14010	SR543842	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/29/1986	1/11/2004	6/30/1995	1/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14011	SR543843	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14012	SR543844	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14013	SR543845	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400		0	12/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14014	SR543846	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/31/1986	8/5/2006	6/30/1995	8/5/2006	12/23/1995			TRUE	TRUE	FALSE					
14015	SR543847	SSG	EMPLACED_CNTR	8/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	SS400	Remediate	1	12/31/1986	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14016	SR543848	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	12/31/1946		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14017	SR543849	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/2/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14018	SR543850	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/2/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14019	SR543852	SSG	EMPLACED_CNTR	1/26/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/6/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14020	SR543853	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/2/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14021	SR543855	SSG	EMPLACED_CNTR	4/23/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/2/1947	11/28/2006	6/30/1995	11/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14022	SR543856	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/3/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14023	SR543857	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/5/1947	6/8/2006	6/30/1995	6/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14024	SR543854	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/5/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14025	SR543859	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/5/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14026	SR543860	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/5/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14027	SR543861	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/5/1947	10/31/2006	6/30/1995	10/31/2006	12/23/1995			TRUE	TRUE	FALSE					
14028	SR543862	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/5/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14029	SR543863	SSG	EMPLACED_CNTR	6/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/7/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14030	SR543864	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/7/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14031	SR543865	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/7/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14032	SR543866	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/7/1947	5/10/2006	6/30/1995	5/10/2006	12/23/1995			TRUE	TRUE	FALSE					
14033	SR543867	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/7/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14034	SR543868	SSG	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14035	SR543869	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14036	SR543870	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14037	SR543871	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14038	SR543872	SSG	EMPLACED_CNTR	6/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14039	SR543873	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14040	SR543874	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14041	SR543875	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/8/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14042	SR543876	SSG	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/9/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14043	SR543877	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/9/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14044	SR543878	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/9/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14045	SR543879	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/9/1947	5/1/2004	6/30/1995	5/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14046	SR543880	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/9/1947	9/9/2003	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14047	SR543881	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/9/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14048	SR543882	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/9/1947	8/14/2006	6/30/1995	8/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14049	SR543882A	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1		8/14/2006		8/14/2006				TRUE	TRUE	FALSE					
14050	SR543885	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/12/1987	8/7/2006	6/30/1995	8/7/2006	12/23/1995			TRUE	TRUE	FALSE					
14051	SR543886	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/14/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14052	SR543887	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/14/1947	11/8/2005	6/30/1995	11/8/2005	12/23/1995			TRUE	TRUE	FALSE					
14053	SR543888	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/14/1947	11/21/2003	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					
14054	SR543889	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/14/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14055	SR543890	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/14/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14056	SR543891	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/14/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14057	SR543893	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/14/1947	5/30/2006	6/30/1995	5/30/2006	12/23/1995			TRUE	TRUE	FALSE					
14058	SR543895	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/19/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14059	SR543897	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/19/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14060	SR543898	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/19/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14061	SR543899	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	1/19/1947		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14062	SR543900	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	1/19/1947	11/14/2005	6/30/1995	11/14/2005	12/23/1995			TRUE	TRUE	FALSE					
14063	SR544204	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	5/12/1986	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14064	SR544205	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	5/12/1986	5/12/1986	6/30/1995	4/16/2004	12/23/1995			TRUE	TRUE	FALSE					
14065	SR544206	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Vent	0	5/12/1986	5/12/1986	6/30/1995	2/16/2004	12/23/1995			TRUE	TRUE	FALSE					
14066	SR544207	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Vent	0	5/12/1986	5/12/1986	6/30/1995	12/31/2007	12/23/1995			TRUE	TRUE	FALSE					
14067	SR544219	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14068	SR544220	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14069	SR544221	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14070	SR544223	SSG	EMPLACED_CNTR	1/19/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14071	SR544224	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14072	SR544225	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Vent	0	6/12/1986	6/12/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14073	SR544226	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/12/1986		12/30/1998		6/24/1999			TRUE	TRUE	FALSE					
14074	SR544227	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/13/1986	6/13/1986		7/12/2004				TRUE	TRUE	FALSE					
14075	SR544228	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/13/1986	6/13/1986	6/30/1995	4/19/2004	12/23/1995			TRUE	TRUE	FALSE					
14076	SR544229	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/13/1986	6/13/1986	6/30/1995	5/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14077	SR544230	SSG	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/13/1986	9/12/2007		9/12/2007				TRUE	TRUE	FALSE					
14078	SR544231	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/13/1986	6/13/1986	6/30/1995	4/12/2004	12/23/1995			TRUE	TRUE	FALSE					
14079	SR544232	SSG	EMPLACED_CNTR	7/20/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/13/1986	10/24/2007	6/30/1995	10/24/2007	12/23/1995			TRUE	TRUE	FALSE					
14080	SR544233	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/16/1986	6/26/2008	6/30/1995	6/26/2008	12/23/1995			TRUE	TRUE	FALSE					
14081	SR544234	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/16/1986	6/16/1986	6/30/1995	4/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14082	SR544235	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/16/1986	6/16/1986	6/30/1995	12/19/2007	12/23/1995			TRUE	TRUE	FALSE					
14083	SR544236	SSG	EMPLACED_CNTR	1/14/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	V&P Purge	0	6/16/1986	6/16/1986	10/28/1998	12/31/2003	4/22/1999			TRUE	TRUE	FALSE					
14084	SR544237	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/18/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14085	SR544238	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/17/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14086	SR544239	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/17/1986	10/19/2005	2/18/1999	10/19/2005	8/11/1999			TRUE	TRUE	FALSE					
14087	SR544240	SSG	EMPLACED_CNTR	9/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/17/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14088	SR544242	SSG	EMPLACED_CNTR	3/19/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/17/1986		12/24/1998		6/22/1999			TRUE	TRUE	FALSE					
14089	SR544243	SSG	EMPLACED_CNTR	1/4/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/23/1986	7/31/2007	2/16/1999	7/31/2007	8/11/1999			TRUE	TRUE	FALSE					
14090	SR544244	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14091	SR544245	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14092	SR544246	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/23/1986	6/16/2004	2/16/1999	6/16/2004	8/11/1999			TRUE	TRUE	FALSE					
14093	SR544246A	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1		6/16/2004		6/16/2004				TRUE	TRUE	FALSE					
14094	SR544247	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14095	SR544248	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14096	SR544250	SSG	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14097	SR544251	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14098	SR544252	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14099	SR544253	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/23/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14100	SR544254	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/26/1986	4/14/2003	10/20/1998	4/14/2003	4/14/1999			TRUE	TRUE	FALSE					
14101	SR544255	SSG	EMPLACED_CNTR	8/15/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/26/1986		10/20/1998		4/14/1999			TRUE	TRUE	FALSE					
14102	SR544256	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400	Remediate	1	6/26/1986	7/26/2006	2/10/1999	7/26/2006	8/5/1999			TRUE	TRUE	FALSE					
14103	SR544257	SSG	EMPLACED_CNTR	9/21/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Net-A	SS400		0	6/26/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14104	SR544258	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	3/24/2003	2/17/1999	3/26/2003	8/12/1999			TRUE	TRUE	FALSE					
14105	SR544260	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	7/1/2003	2/18/1999	7/1/2003	8/5/1999			TRUE	TRUE	FALSE					
14106	SR544261	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	6/26/1986	6/26/1946	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14107	SR544262	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/26/1986		2/18/1999		8/13/1999			TRUE	TRUE	FALSE					
14108	SR544263	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/26/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14109	SR544264	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	11/6/2006	6/30/1995	11/6/2006	12/23/1995			TRUE	TRUE	FALSE					
14110	SR544265	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	11/6/2006	6/30/1995	11/6/2006	12/23/1995			TRUE	TRUE	FALSE					
14111	SR544266	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	5/13/2004	6/30/1995	5/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14112	SR544267	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	1/14/2008	6/30/1995	1/14/2008	12/23/1995			TRUE	TRUE	FALSE					
14113	SR544268	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	10/29/2004	6/30/1995	10/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14114	SR544269	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	4/14/2006	6/30/1995	4/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14115	SR544270	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	12/29/2007	6/30/1995	12/20/2007	12/23/1995			TRUE	TRUE	FALSE					
14116	SR544271	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	11/9/2004	6/30/1995	11/9/2004	12/23/1995			TRUE	TRUE	FALSE					
14117	SR544272	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	6/26/2008	6/30/1995	6/26/2008	12/23/1995			TRUE	TRUE	FALSE					
14118	SR544273	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	4/22/2004	6/30/1995	4/22/2004	12/23/1995			TRUE	TRUE	FALSE					
14119	SR544274	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/26/1986	8/4/2008	6/30/1995	8/4/2008	12/23/1995			TRUE	TRUE	FALSE					
14120	SR544275	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/17/1986	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14121	SR544276	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/26/1986		2/18/1999		8/13/1999			TRUE	TRUE	FALSE					
14122	SR544277	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/27/1986	3/7/2004	10/22/1996	3/7/2004	4/16/1997			TRUE	TRUE	FALSE					
14123	SR544278	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
14124	SR544280	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/27/1986	11/11/2003	6/30/1995	11/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14125	SR544281	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14126	SR544282	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		2/18/1999		8/13/1999			TRUE	TRUE	FALSE					
14127	SR544283	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14128	SR544284	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		2/18/1999		8/13/1999			TRUE	TRUE	FALSE					
14129	SR544285	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
14130	SR544286	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14131	SR544287	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/27/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14132	SR544288	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	5/13/2006	6/30/1995	5/13/2006	12/23/1995			TRUE	TRUE	FALSE					
14133	SR544288A	SSG	EMPLACED_CNTR	4/4/2013 15:25	3/19/2012 16:12	mccabeef	SR-WD27-221F-Het-A	SS400	Remediation		5/13/2006	3/15/2012	5/13/2006	3/15/2012		SWD061326 re-named and WS reassigned from SR-SWME-HET-A		TRUE	FALSE	TRUE					
14134	SR544289	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	10/18/2006	6/30/1995	10/18/2006	12/23/1995			TRUE	TRUE	FALSE					
14135	SR544290	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	5/6/2004	6/30/1995	5/6/2004	12/23/1995			TRUE	TRUE	FALSE					
14136	SR544291	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	6/10/2008	6/30/1995	6/10/2008	12/23/1995			TRUE	TRUE	FALSE					
14137	SR544292	SSG	EMPLACED_CNTR	4/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	7/1/1986	7/1/1986	6/30/1995	3/26/2005	12/23/1995			TRUE	TRUE	FALSE					
14138	SR544293	SSG	EMPLACED_CNTR	10/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	6/2/2004	6/30/1995	6/2/2004	12/23/1995			TRUE	TRUE	FALSE					
14139	SR544294	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/1/1986	4/4/2006	6/30/1995	4/4/2006	12/23/1995			TRUE	TRUE	FALSE					
14140	SR544295	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	7/2/1986		2/17/1999		8/11/1999			TRUE	TRUE	FALSE					
14141	SR544296	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	7/2/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14142	SR544297	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	7/2/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14143	SR544298	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	7/2/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14144	SR544299	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	7/2/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14145	SR544300	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	7/2/1986	3/26/2003	2/11/1999	3/26/2003	8/6/1999			TRUE	TRUE	FALSE					
14146	SR544420	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	5/19/1986	5/19/1986	6/30/1995	5/4/2004	12/23/1995			TRUE	TRUE	FALSE					
14147	SR544421	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	8/3/2004	6/30/1995	8/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14148	SR544422	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/19/1986	5/19/1986	6/30/1995	4/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14149	SR544423	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/19/1986	5/19/1986	6/30/1995	4/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14150	SR544424	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	5/8/2004	6/30/1995	5/8/2004	12/23/1995			TRUE	TRUE	FALSE					
14151	SR544425	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/19/1986	5/19/1986	6/30/1995	3/8/2004	12/23/1995			TRUE	TRUE	FALSE					
14152	SR544426	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
14153	SR544427	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	5/25/2004	6/30/1995	5/25/2004	12/23/1995			TRUE	TRUE	FALSE					
14154	SR544428	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	12/20/2007	6/30/1995	12/20/2007	12/23/1995			TRUE	TRUE	FALSE					
14155	SR544429	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
14156	SR544430	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	5/28/2004	6/30/1995	5/28/2004	12/23/1995			TRUE	TRUE	FALSE					
14157	SR544431	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/19/1986	1/8/2007	6/30/1995	1/8/2007	12/23/1995			TRUE	TRUE	FALSE					
14158	SR544432	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/22/1986	5/22/1986	6/30/1995	4/15/2004	12/23/1995			TRUE	TRUE	FALSE					
14159	SR544434	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/9/1986	10/29/2004	6/30/1995	10/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14160	SR544435	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	6/9/1986	6/9/1986	6/30/1995	3/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14161	SR544436	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/9/1986	6/23/2004	6/30/1995	6/23/2004	12/23/1995			TRUE	TRUE	FALSE					
14162	SR544437	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	6/9/1986	6/9/1986	6/30/1995	12/2/2006	12/23/1995			TRUE	TRUE	FALSE					
14163	SR544438	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	6/9/1986	6/9/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14164	SR544439	SSG	EMPLACED_CNTR	6/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	6/9/1986	6/9/1986	6/30/1995	7/21/2004	12/23/1995			TRUE	TRUE	FALSE					
14165	SR544440	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/9/1986	6/11/2004	6/30/1995	6/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14166	SR544441	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14167	SR544443	SSG	EMPLACED_CNTR	10/30/2010 9:59	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	4/21/2008		4/21/2008				TRUE	TRUE	FALSE					
14168	SR544444	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	10/4/2006	6/30/1995	10/4/2006	12/23/1995			TRUE	TRUE	FALSE					
14169	SR544445	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	6/12/1986	6/12/1986	6/30/1995	12/25/2007	12/23/1995			TRUE	TRUE	FALSE					
14170	SR544446	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	6/10/1986	6/10/1986	6/30/1995	6/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14171	SR544456	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14172	SR544457	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/19/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
14173	SR544458	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/10/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14174	SR544459	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	6/10/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14175	SR544460	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	4/10/2003	2/10/1999	4/10/2003	8/5/1999			TRUE	TRUE	FALSE					
14176	SR544461	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE	TRUE	FALSE					
14177	SR544462	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	8/7/2006	6/30/1995	8/7/2006	12/23/1995			TRUE	TRUE	FALSE					
14178	SR544463	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	6/1/2004	6/30/1995	6/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14179	SR544464	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	6/10/1986	1/7/2008	6/30/1995	1/7/2008	12/23/1995			TRUE	TRUE	FALSE					
14180	SR544465	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	6/10/1986	6/10/1986	6/30/1995	4/18/2004	12/23/1995			TRUE	TRUE	FALSE					
14181	SR544466	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/10/1986	5/10/1986	6/30/1995	4/10/2004	12/23/1995			TRUE	TRUE	FALSE					
14182	SR544467	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/12/1986	1/3/2008	6/30/1995	1/3/2008	12/23/1995			TRUE	TRUE	FALSE					
14183	SR544468	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Vent	0	5/12/1986	5/12/1986	6/30/1995	4/18/2004	12/23/1995			TRUE	TRUE	FALSE					
14184	SR544469	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	V&P Purge	0	5/12/1986	5/12/1986	6/30/1995	4/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14185	SR544470	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/12/1986	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14186	SR544471	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/12/1986	4/29/2004	6/30/1995	4/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14187	SR544472	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/14/1986		10/20/1998		4/14/1999			TRUE	TRUE	FALSE					
14188	SR544473	SSG	EMPLACED_CNTR	1/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400		0	5/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14189	SR544474	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	5/14/1986	3/10/2003	6/30/1995	3/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14190	SR544474A	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	3/10/2003	3/10/2003	3/10/2003	3/10/2003	9/2/2003			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14191	SR544475	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14192	SR544476	SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	9/14/2003	6/30/1995	9/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14193	SR544477	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14194	SR544478	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/14/1986		10/20/1998		4/14/1999			TRUE	TRUE	FALSE					
14195	SR544479	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	5/29/2004	6/30/1995	5/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14196	SR544480	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Purge	0	5/14/1986	5/14/1986	6/30/1995	4/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14197	SR544481	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	11/7/2006	6/30/1995	11/7/2006	12/23/1995			TRUE	TRUE	FALSE					
14198	SR544482	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	11/26/2004	6/30/1995	11/26/2004	12/23/1995			TRUE	TRUE	FALSE					
14199	SR544483	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	2/18/2008	6/30/1995	2/18/2008	12/23/1995			TRUE	TRUE	FALSE					
14200	SR544484	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	10/2/2006	6/30/1995	10/2/2006	12/23/1995			TRUE	TRUE	FALSE					
14201	SR544485	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	10/18/2007	6/30/1995	10/18/2007	12/23/1995			TRUE	TRUE	FALSE					
14202	SR544486	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	1/9/2008	6/30/1995	1/9/2008	12/23/1995			TRUE	TRUE	FALSE					
14203	SR544487	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/14/1986	6/26/2008	6/30/1995	6/26/2008	12/23/1995			TRUE	TRUE	FALSE					
14204	SR544488	SSG	EMPLACED_CNTR	1/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/16/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14205	SR544489	SSG	EMPLACED_CNTR	2/20/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14206	SR544490	SSG	EMPLACED_CNTR	5/31/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/15/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14207	SR544491	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14208	SR544492	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	5/15/1986	10/13/2003	10/27/1998	10/13/2003	4/15/1999			TRUE	TRUE	FALSE					
14209	SR544493	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14210	SR544494	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14211	SR544495	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14212	SR544496	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		12/29/1998		6/21/1999			TRUE	TRUE	FALSE					
14213	SR544497	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		12/17/1998		6/11/1999			TRUE	TRUE	FALSE					
14214	SR544498	SSG	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14215	SR544499	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	5/19/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14216	SR544501	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14217	SR544502	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/7/1986	7/7/1986	2/17/1999	11/14/2003	8/12/1999			TRUE	TRUE	FALSE					
14218	SR544503	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14219	SR544504	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14220	SR544505	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		10/27/1998		4/21/1999			TRUE	TRUE	FALSE					
14221	SR544506	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/7/1986	7/1/2003	10/17/1998	7/1/2003	4/21/1999			TRUE	TRUE	FALSE					
14222	SR544507	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14223	SR544508	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14224	SR544509	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/7/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14225	SR544510	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14226	SR544511	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14227	SR544512	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14228	SR544513	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14229	SR544514	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14230	SR544515	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14231	SR544516	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14232	SR544517	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		10/28/1998		4/22/1999			TRUE	TRUE	FALSE					
14233	SR544518	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/8/1986	4/29/2003	10/21/1998	4/29/2003	4/15/1999			TRUE	TRUE	FALSE					
14234	SR544519	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14235	SR544520	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/8/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
14236	SR544521	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/16/1999		8/13/1999			TRUE	TRUE	FALSE					
14237	SR544533	SSG	EMPLACED_CNTR	9/12/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14238	SR544534	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14239	SR544535	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/9/1986	7/9/1986	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
14240	SR544536	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	4/23/2003	12/28/1998	4/23/2003	6/22/1999			TRUE	TRUE	FALSE					
14241	SR544537	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	5/26/2006	2/19/1999	5/26/2006	8/5/1999			TRUE	TRUE	FALSE					
14242	SR544538	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	7/2/2003	10/27/1998	7/2/2003	4/21/1999			TRUE	TRUE	FALSE					
14243	SR544539	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14244	SR544540	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14245	SR544541	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		12/28/1998		6/22/1999			TRUE	TRUE	FALSE					
14246	SR544543	SSG	EMPLACED_CNTR	6/1/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	9/7/2003	11/6/1996	9/7/2003	5/1/1997			TRUE	TRUE	FALSE					
14247	SR544544	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14248	SR544545	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	7/1/2003	10/27/1998	7/1/2003	4/21/1999			TRUE	TRUE	FALSE					
14249	SR544546	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/9/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14250	SR544547	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Purge	0	7/14/1986	7/14/1986	6/30/1995	9/23/2003	12/23/1995			TRUE	TRUE	FALSE					
14251	SR544548	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14252	SR544549	SSG	EMPLACED_CNTR	10/30/2010 9:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/9/1986	7/9/1986	6/30/1995	11/27/2007	12/23/1995			TRUE	TRUE	FALSE					
14253	SR544550	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	2/2/2008	7/9/1986	2/2/2008	1/1/1947			TRUE	TRUE	FALSE					
14254	SR544551	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	4/28/2004	6/30/1995	4/28/2004	12/23/1995			TRUE	TRUE	FALSE					
14255	SR544552	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/10/1986	7/10/1986	6/30/1995	12/27/2007	12/23/1995			TRUE	TRUE	FALSE					
14256	SR544553	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/10/1986	7/10/1986	6/30/1995	12/29/2007	12/23/1995			TRUE	TRUE	FALSE					
14257	SR544554	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/9/1986	7/9/1986	6/30/1995	12/28/2007	12/23/1995			TRUE	TRUE	FALSE					
14258	SR544555	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	2/11/2008	6/30/1995	2/11/2008	12/23/1995			TRUE	TRUE	FALSE					
14259	SR544556	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/9/1986	1/25/2008	6/30/1995	1/25/2008	12/23/1995			TRUE	TRUE	FALSE					
14260	SR544558	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14261	SR544559	SSG	EMPLACED_CNTR	6/19/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/14/1986	4/28/2003	6/30/1995	4/28/2003	12/23/1995			TRUE	TRUE	FALSE					
14262	SR544560	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14263	SR544561	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14264	SR544562	SSG	EMPLACED_CNTR	7/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14265	SR544563	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14266	SR544564	SSG	EMPLACED_CNTR	8/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/15/1986	3/20/2006	6/30/1995	3/20/2006	12/23/1995			TRUE	TRUE	FALSE					
14267	SR544565	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14268	SR544566	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/14/1986	7/14/1986	6/30/1995	9/19/2003	12/23/1995			TRUE	TRUE	FALSE					
14269	SR544567	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14270	SR544568	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14271	SR544569	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/14/1986	7/14/1986	6/30/1995	10/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14272	SR544570	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/14/1986	7/14/1986	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14273	SR544571	SSG	EMPLACED_CNTR	8/4/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14274	SR544572	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	V&P Vent	0	7/14/1986	7/14/1986	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14275	SR544573	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/14/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14276	SR544574	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/15/1986	3/12/2006	6/30/1995	3/12/2006	12/23/1995			TRUE	TRUE	FALSE					
14277	SR544575	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400	Remediate	1	7/15/1986	5/23/2006	6/30/1995	5/23/2006	12/23/1995			TRUE	TRUE	FALSE					
14278	SR544576	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221F-Het-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14278	SRS44577	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14280	SRS44578	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	10/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14281	SRS44579	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	7/15/1986	3/6/2003	6/30/1995	3/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14282	SRS44580	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	4/13/2005	12/23/1995			TRUE	TRUE	FALSE					
14283	SRS44581	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14284	SRS44583	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	2/17/2004	12/23/1995			TRUE	TRUE	FALSE					
14285	SRS44584	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	10/7/2003	12/23/1995			TRUE	TRUE	FALSE					
14286	SRS44585	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14287	SRS44587	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14288	SRS44588	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	7/15/1986	7/15/1986	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
14289	SRS44589	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14290	SRS44590	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14291	SRS44591	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14292	SRS44592	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	7/15/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14293	SRS44594	SSG	EMPLACED_CNTR	9/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	7/15/1986	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14294	SRS44944	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1		11/8/2006		11/8/2006				TRUE	TRUE	FALSE					
14295	SRS44595	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	7/17/1986	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					
14296	SRS44601	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		11/2/1998		4/27/1999			TRUE	TRUE	FALSE					
14297	SRS44602	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/21/1986	5/21/1986	6/30/1995	8/10/2005	12/23/1995			TRUE	TRUE	FALSE					
14298	SRS44603	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		11/2/1998		4/27/1999			TRUE	TRUE	FALSE					
14299	SRS44604	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/21/1986	12/5/2002	10/28/1998	12/5/2002	4/23/1999			TRUE	TRUE	FALSE					
14300	SRS44605	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		12/8/1998		6/2/1999			TRUE	TRUE	FALSE					
14301	SRS44606	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14302	SRS44607	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14303	SRS44608	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14304	SRS44609	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		1/26/1999		7/23/1999			TRUE	TRUE	FALSE					
14305	SRS44610	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		1/6/1999		7/1/1999			TRUE	TRUE	FALSE					
14306	SRS44611	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/21/1986		1/4/1999		6/29/1999			TRUE	TRUE	FALSE					
14307	SRS44612	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/21/1986	12/18/2006	11/16/1998	12/18/2006	5/11/1999			TRUE	TRUE	FALSE					
14308	SRS44613	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	5/22/1986	5/22/1986	6/30/1995	11/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14309	SRS44614	SSG	EMPLACED_CNTR	1/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		1/18/1999		7/13/1999			TRUE	TRUE	FALSE					
14310	SRS44615	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	5/22/1986	5/22/1986	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14311	SRS44616	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/22/1986	5/22/1986	6/30/1995	12/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14312	SRS44617	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/23/1986	5/22/1986	6/30/1995	4/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14313	SRS44618	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/22/1986	4/30/2008	6/30/1995	4/30/2008	12/23/1995			TRUE	TRUE	FALSE					
14314	SRS44619	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/22/1986	2/11/2008	6/30/1995	2/11/2008	12/23/1995			TRUE	TRUE	FALSE					
14315	SRS44620	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	5/22/1986	5/22/1986	6/30/1995	3/27/2007	12/23/1995			TRUE	TRUE	FALSE					
14316	SRS44621	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/22/1986	6/27/2007	6/30/1995	6/27/2007	12/23/1995			TRUE	TRUE	FALSE					
14317	SRS44622	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		2/2/1999		7/28/1999			TRUE	TRUE	FALSE					
14318	SRS44623	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14319	SRS44624	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14320	SRS44625	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/22/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14321	SRS44639	SSG	EMPLACED_CNTR	8/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/28/1986	4/28/2003	12/16/1998	4/28/2003	6/10/1999			TRUE	TRUE	FALSE					
14322	SRS44640	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		10/30/1998		4/14/1999			TRUE	TRUE	FALSE					
14323	SRS44641	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	5/27/1986	5/27/1986	6/30/1995	11/27/2006	12/23/1995			TRUE	TRUE	FALSE					
14324	SRS44642	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/27/1986	11/13/2003	12/17/1998	11/13/2003	6/11/1999			TRUE	TRUE	FALSE					
14325	SRS44643	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14326	SRS44644	SSG	EMPLACED_CNTR	1/24/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		1/18/1999		7/13/1999			TRUE	TRUE	FALSE					
14327	SRS44645	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		1/27/1999		7/22/1999			TRUE	TRUE	FALSE					
14328	SRS44646	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/27/1986	7/2/2003	6/30/1995	7/2/2003	12/23/1995			TRUE	TRUE	FALSE					
14329	SRS44647	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14330	SRS44648	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/27/1986	12/4/2003	6/30/1995	12/4/2003	12/23/1995			TRUE	TRUE	FALSE					
14331	SRS44649	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14332	SRS44650	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14333	SRS44651	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/27/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14334	SRS44652	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/27/1986	10/5/2006	2/17/1999	10/5/2006	8/12/1999			TRUE	TRUE	FALSE					
14335	SRS44654	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	6/30/2003	6/30/1995	6/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14336	SRS44655	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		12/17/1998		6/11/1999			TRUE	TRUE	FALSE					
14337	SRS44656	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		12/17/1998		6/11/1999			TRUE	TRUE	FALSE					
14338	SRS44657	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14339	SRS44659	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14340	SRS44660	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		12/17/1998		6/11/1999			TRUE	TRUE	FALSE					
14341	SRS44661	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	6/16/2004	6/30/1995	6/16/2004	12/23/1995			TRUE	TRUE	FALSE					
14342	SRS44662	SSG	EMPLACED_CNTR	9/5/2001	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		10/21/1998		4/15/1999			TRUE	TRUE	FALSE					
14343	SRS44663	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		2/11/1999		8/6/1999			TRUE	TRUE	FALSE					
14344	SRS44664	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14345	SRS44665	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	5/29/1986		12/17/1998		6/11/1999			TRUE	TRUE	FALSE					
14346	SRS44666	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	5/1/2004	6/30/1995	5/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14347	SRS44667	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	10/24/2006	6/30/1995	10/24/2006	12/23/1995			TRUE	TRUE	FALSE					
14348	SRS44668	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	1/9/2008		1/9/2008				TRUE	TRUE	FALSE					
14349	SRS44669	SSG	EMPLACED_CNTR	3/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/29/1986	8/2/2004	6/30/1995	8/2/2004	12/23/1995			TRUE	TRUE	FALSE					
14350	SRS44670	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/30/1986	8/1/2004	6/30/1995	8/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14351	SRS44671	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/30/1986	5/30/2006	6/30/1995	5/30/2006	12/23/1995			TRUE	TRUE	FALSE					
14352	SRS44672	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	5/30/1986	8/1/2004	6/30/1995	8/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14353	SRS44673	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/30/1986	5/30/1986	6/30/1995	6/12/2004	12/23/1995			TRUE	TRUE	FALSE					
14354	SRS44675	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/30/1986	5/30/1986	6/30/1995	7/21/2004	12/23/1995			TRUE	TRUE	FALSE					
14355	SRS44676	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/30/1986	5/30/1986	6/30/1995	7/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14356	SRS44677	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	5/30/1986	5/30/1986	6/30/1995	6/11/2004	12/23/1995			TRUE	TRUE	FALSE					
14357	SRS44678	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Vent	0	6/4/1986	6/4/1986	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
14358	SRS44680	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	6/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14359	SRS44681	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	6/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14360	SRS44682	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	6/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14361	SRS44683	SSG	EMPLACED_CNTR	9/15/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400		0	6/4/1986		2/17/1999		8/12/1999			TRUE	TRUE	FALSE					
14362	SRS44684	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	6/5/1986	9/11/2006	6/30/1995	9/11/2006	12/23/1995			TRUE	TRUE	FALSE					
14363	SRS44685	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	6/5/1986	6/5/1986	6/30/1995	2/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14364	SRS44686	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	Remediate	1	6/5/1986	12/3/2004	6/30/1995	12/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14365	SRS44687	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	6/5/1986	6/5/1986	6/30/1995	1/31/2004	12/23/1995			TRUE	TRUE	FALSE					
14366	SRS44688	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Met-A	SS400	V&P Purge	0	6/5/1986	6/5/1986	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14367	SRS44689	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	6/5/1986	10/3/2006	6/30/1995	10/3/2006	12/23/1995			TRUE	TRUE	FALSE					
14368	SRS44690	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14369	SRS44691	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14370	SRS44692	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		2/16/1999		8/11/1999			TRUE	TRUE	FALSE					
14371	SRS44693	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14372	SRS44694	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		2/10/1999		8/5/1999			TRUE	TRUE	FALSE					
14373	SRS44695	SSG	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		10/29/1998		4/14/1999			TRUE	TRUE	FALSE					
14374	SRS44696	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14375	SRS44697	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		10/29/1998		4/14/1999			TRUE	TRUE	FALSE					
14376	SRS44698	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		12/29/1998		6/23/1999			TRUE	TRUE	FALSE					
14377	SRS44699	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	6/10/1986		10/27/1998		4/1/1999			TRUE	TRUE	FALSE					
14378	SRS44700	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	6/10/1986	4/22/2003	2/17/1999	4/22/2003	8/12/1999			TRUE	TRUE	FALSE					
14379	SRS44701	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		1	7/24/1986		7/21/1986		1/14/1987			TRUE	TRUE	FALSE					
14380	SRS44702	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	12/6/2005	6/30/1995	12/6/2005	12/23/1995			TRUE	TRUE	FALSE					
14381	SRS44703	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	11/28/2006	6/30/1995	11/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14382	SRS44703A	SSG	EMPLACED_CNTR	11/3/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1		11/28/2006		11/28/2006				TRUE	TRUE	FALSE					
14383	SRS44704	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14384	SRS44705	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	8/30/2006	6/30/1995	8/30/2006	12/23/1995			TRUE	TRUE	FALSE					
14385	SRS44706	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	2/28/2007	6/30/1995	2/28/2007	12/23/1995			TRUE	TRUE	FALSE					
14386	SRS44707	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	11/16/2003	6/30/1995	11/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14387	SRS44708	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/17/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14388	SRS44709	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/17/1986	7/17/1986	6/30/1995	9/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14389	SRS44710	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	6/27/2003	6/30/1995	6/27/2003	12/23/1995			TRUE	TRUE	FALSE					
14390	SRS44711	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/17/1986	10/30/2006	6/30/1995	10/30/2006	12/23/1995			TRUE	TRUE	FALSE					
14391	SRS44712	SSG	EMPLACED_CNTR	10/6/2011 22:31	6/8/2011 17:43	mccabed	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/23/1986		6/30/1995	8/24/2006				TRUE	TRUE	FALSE					
14392	SRS44714	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14393	SRS44716	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/23/1986	7/21/1986	6/30/1995	2/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14394	SRS44717	SSG	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14395	SRS44718	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	11/13/2003	6/30/1995	11/13/2003	12/23/1995			TRUE	TRUE	FALSE					
14396	SRS44719	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14397	SRS44720	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	6/9/2003	6/30/1995	6/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14398	SRS47204	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	6/9/2003	6/9/2003	6/9/2003	6/9/2003	12/2/2003			TRUE	TRUE	FALSE					
14399	SRS44721	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Purge	0	7/23/1986	7/23/1986	6/30/1995	7/10/2005	12/23/1995			TRUE	TRUE	FALSE					
14400	SRS44722	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	7/2/2003	2/11/1999	7/2/2003	8/6/1999			TRUE	TRUE	FALSE					
14401	SRS44723	SSG	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14402	SRS44725	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14403	SRS44726	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14404	SRS44727	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14405	SRS44728	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
14406	SRS44729	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/23/1986	7/23/1986	6/30/1995	4/17/2004	12/23/1995			TRUE	TRUE	FALSE					
14407	SRS44730	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/23/1986	7/23/1986	6/30/1995	10/12/2004	12/23/1995			TRUE	TRUE	FALSE					
14408	SRS44731	SSG	EMPLACED_CNTR	3/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/23/1986	7/23/1986	6/30/1995	3/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14409	SRS44732	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	6/1/2004	6/30/1995	6/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14410	SRS44733	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	10/19/2006	6/30/1995	10/19/2006	12/23/1995			TRUE	TRUE	FALSE					
14411	SRS44734	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/23/1986	6/30/2003	6/30/1995	6/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14412	SRS44735	SSG	EMPLACED_CNTR	9/13/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14413	SRS44736	SSG	EMPLACED_CNTR	5/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/23/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14414	SRS44737	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	7/8/2003	6/30/1995	7/8/2003	12/23/1995			TRUE	TRUE	FALSE					
14415	SRS44738	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	9/5/2003	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14416	SRS44739	SSG	EMPLACED_CNTR	1/22/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	9/2/2003	6/30/1995	9/2/2003	12/23/1995			TRUE	TRUE	FALSE					
14417	SRS44740	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14418	SRS44741	SSG	EMPLACED_CNTR	6/18/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14419	SRS44742	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14420	SRS44743	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14421	SRS44743A	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1		11/8/2006		11/8/2006				TRUE	TRUE	FALSE					
14422	SRS44744	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	V&P Vent	0	7/24/1986	7/24/1986	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
14423	SRS44745	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14424	SRS44746	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14425	SRS44747	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14426	SRS44748	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14427	SRS44749	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/25/1986	4/16/2008	7/29/1986	4/16/2008	1/21/1987			TRUE	TRUE	FALSE					
14428	SRS44750	SSG	EMPLACED_CNTR	4/15/2003	6/8/2011 17:44	mccabed	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995					TRUE	TRUE	FALSE					
14429	SRS44751	SSG	EMPLACED_CNTR	5/28/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14430	SRS44752	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	7/19/2006	6/30/1995	7/19/2006	12/23/1995			TRUE	TRUE	FALSE					
14431	SRS44753	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	4/14/2006	6/30/1995	4/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14432	SRS44754	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14433	SRS44755	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14434	SRS44756	SSG	EMPLACED_CNTR	8/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/24/1986	3/22/2006	6/30/1995	3/22/2006	12/23/1995			TRUE	TRUE	FALSE					
14435	SRS44757	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14436	SRS44758	SSG	EMPLACED_CNTR	4/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14437	SRS44759	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/24/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14438	SRS44760	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14439	SRS44761	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14440	SRS44762	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14441	SRS44763	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	8/5/2003	6/30/1995	8/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14442	SRS44764	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14443	SRS44765	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14444	SRS44766	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	6/9/2004	6/30/1995	6/9/2004	12/23/1995			TRUE	TRUE	FALSE					
14445	SRS44768	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	7/31/2003	6/30/1995	7/31/2003	12/23/1995			TRUE	TRUE	FALSE					
14446	SRS44770	SSG	EMPLACED_CNTR	4/23/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14447	SRS44771	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14448	SRS44773	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	3/6/2003	6/30/1995	3/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14449	SRS44774	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14450	SRS44775	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	3/10/2003	6/30/1995	3/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14451	SRS44776	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14452	SRS44777	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14453	SRS44778	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400	Remediate	1	7/29/1986	11/23/2003	6/30/1995	11/23/2003	12/23/1995			TRUE	TRUE	FALSE					
14454	SRS44779	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Het-A	S5400		0	7/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14455	SR544781	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14456	SR544782	55G	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14457	SR544783	55G	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14458	SR544784	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14459	SR544785	55G	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		2/18/1999		8/13/1999			TRUE	TRUE	FALSE					
14460	SR544786	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14461	SR544787	55G	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14462	SR544788	55G	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14463	SR544789	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/31/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14464	SR544790	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	7/11/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14465	SR544791	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14466	SR544792	55G	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14467	SR544794	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14468	SR544795	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14469	SR544796	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/4/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14470	SR544801	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/24/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14471	SR544802	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14472	SR544803	55G	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/2/1988	4/20/2004	6/30/1995	4/20/2004	12/23/1995			TRUE	TRUE	FALSE					
14473	SR544804	55G	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/2/1988	9/28/2006	6/30/1995	9/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14474	SR544805	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/3/1988	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14475	SR544806	55G	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14476	SR544807	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14477	SR544808	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14478	SR544810	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14479	SR544811	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14480	SR544812	55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14481	SR544813	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/9/1988	5/20/2003	6/30/1995	5/20/2003	12/23/1995			TRUE	TRUE	FALSE					
14482	SR544814	55G	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/9/1988	5/14/2004	6/30/1995	5/14/2004	12/23/1995			TRUE	TRUE	FALSE					
14483	SR544815	55G	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14484	SR544816	55G	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/16/1988	5/20/2003	6/30/1995	5/20/2003	12/23/1995			TRUE	TRUE	FALSE					
14485	SR544817	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/16/1988	7/2/2006	6/30/1995	7/2/2006	12/23/1995			TRUE	TRUE	FALSE					
14486	SR544818	55G	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/16/1988	4/21/2006	6/30/1995	4/21/2006	12/23/1995			TRUE	TRUE	FALSE					
14487	SR544819	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		1	8/17/1988		8/17/1988		2/9/1989			TRUE	TRUE	FALSE					
14488	SR544820	55G	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14489	SR544821	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/16/1988	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14490	SR544822	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14491	SR544823	55G	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14492	SR544824	55G	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14493	SR544825	55G	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/22/1988	5/20/2003	6/30/1995	5/20/2003	12/23/1995			TRUE	TRUE	FALSE					
14494	SR544826	55G	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14495	SR544827	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14496	SR544828	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14497	SR544829	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14498	SR544830	55G	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/22/1988	4/22/2004	6/30/1995	4/22/2004	12/23/1995			TRUE	TRUE	FALSE					
14499	SR544831	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/22/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14500	SR544836	55G	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14501	SR544837	55G	EMPLACED_CNTR	8/23/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/30/1988	9/6/2003	6/30/1995	9/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14502	SR544838	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14503	SR544839	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14504	SR544840	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14505	SR544841	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/30/1988	7/18/2006	6/30/1995	7/18/2006	12/23/1995			TRUE	TRUE	FALSE					
14506	SR544842	55G	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14507	SR544843	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14508	SR544844	55G	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/30/1988	6/27/2008	6/30/1995	6/27/2008	12/23/1995			TRUE	TRUE	FALSE					
14509	SR544845	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/30/1988	8/12/2003	6/30/1995	8/12/2003	12/23/1995			TRUE	TRUE	FALSE					
14510	SR544846	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	8/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14511	SR544847	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	8/31/1988	6/13/2003	6/30/1995	6/13/2003	12/23/1995			TRUE	TRUE	FALSE					
14512	SR544848	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14513	SR544849	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/6/1988	10/31/2006	6/30/1995	10/31/2006	12/23/1995			TRUE	TRUE	FALSE					
14514	SR544850	55G	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/6/1988	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					
14515	SR544851	55G	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/6/1988	8/28/2006	6/30/1995	8/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14516	SR544852	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14517	SR544853	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/6/1988	5/13/2004	6/30/1995	5/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14518	SR544854	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14519	SR544855	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14520	SR544856	55G	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14521	SR544857	55G	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/6/1988	8/15/2003	6/30/1995	8/15/2003	12/23/1995			TRUE	TRUE	FALSE					
14522	SR544863	55G	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14523	SR544864	55G	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14524	SR544865	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/12/1988	9/4/2003	6/30/1995	9/4/2003	12/23/1995			TRUE	TRUE	FALSE					
14525	SR544866	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/12/1988	8/25/2003	6/30/1995	8/25/2003	12/23/1995			TRUE	TRUE	FALSE					
14526	SR544867	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14527	SR544868	55G	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/12/1988	11/6/2007	6/30/1995	11/6/2007	12/23/1995			TRUE	TRUE	FALSE					
14528	SR544869	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/12/1988	5/16/2006	6/30/1995	5/16/2006	12/23/1995			TRUE	TRUE	FALSE					
14529	SR544870	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/12/1988	8/30/2003	6/30/1995	8/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14530	SR544871	55G	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/13/1988	5/1/2004	6/30/1995	5/1/2004	12/23/1995			TRUE	TRUE	FALSE					
14531	SR544872	55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/16/1988	11/2/2006	6/30/1995	11/2/2006	12/23/1995			TRUE	TRUE	FALSE					
14532	SR544873	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14533	SR544875	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/16/1988	11/22/2006	6/30/1995	11/22/2006	12/23/1995			TRUE	TRUE	FALSE					
14534	SR544876	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14535	SR544877	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/16/1988	9/4/2003	6/30/1995	9/4/2003	12/23/1995			TRUE	TRUE	FALSE					
14536	SR544878	55G	EMPLACED_CNTR	7/20/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/16/1988	1/7/2008	6/30/1995	1/7/2008	12/23/1995			TRUE	TRUE	FALSE					
14537	SR544879	55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14538	SR544880	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/21/1988	4/21/2006	6/30/1995	4/21/2006	12/23/1995			TRUE	TRUE	FALSE					
14539	SR544881	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	9/21/1988	9/12/2003	6/30/1995	9/12/2003	12/23/1995			TRUE	TRUE	FALSE					
14540	SR544882	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/21/1988		8/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14541	SR544883	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14542	SR544884	55G	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221F-Het-A	55400		0	9/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14543	SR544885	SSG	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	9/21/1988	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
14544	SR544886	SSG	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	9/21/1988	10/29/2004	6/30/1995	10/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14545	SR544887	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	9/21/1988	6/4/2004	6/30/1995	6/4/2004	12/23/1995			TRUE	TRUE	FALSE					
14546	SR544888	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14547	SR544889	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14548	SR544890	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14549	SR544891	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14550	SR544892	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14551	SR544893	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	9/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14552	SR544894	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14553	SR544895	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14554	SR544896	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14555	SR544897	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/5/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14556	SR544898	SSG	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	2/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14557	SR546201	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221J-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14558	SR546202	SSG	EMPLACED_CNTR	1/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/12/1988	6/23/2003	6/30/1995	6/23/2003	12/23/1995			TRUE	TRUE	FALSE					
14559	SR546203	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14560	SR546204	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/12/1988	8/31/2003	6/30/1995	8/31/2003	12/23/1995			TRUE	TRUE	FALSE					
14561	SR546205	SSG	EMPLACED_CNTR	9/8/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14562	SR546206	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14563	SR546207	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14564	SR546208	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/12/1988	9/9/2003	6/30/1995	9/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14565	SR546209	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14566	SR546210	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/12/1988	9/6/2003	6/30/1995	9/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14567	SR546211	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/18/1988	12/19/2006	6/30/1995	12/19/2006	12/23/1995			TRUE	TRUE	FALSE					
14568	SR546212	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	10/18/1988	4/20/2006	6/30/1995	4/20/2006	12/23/1995			TRUE	TRUE	FALSE					
14569	SR546213	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14570	SR546214	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	10/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14571	SR546215	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14572	SR546216	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14573	SR546217	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/2/1988	9/20/2006	6/30/1995	9/20/2006	12/23/1995			TRUE	TRUE	FALSE					
14574	SR546218	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14575	SR546219	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/2/1988	8/22/2003	6/30/1995	8/22/2003	12/23/1995			TRUE	TRUE	FALSE					
14576	SR546220	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/2/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14577	SR546221	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/2/1988	9/14/2003	6/30/1995	9/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14578	SR546222	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/2/1988	11/13/2003	6/30/1995	11/13/2003	12/23/1995			TRUE	TRUE	FALSE					
14579	SR546225	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14580	SR546226	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14581	SR546227	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14582	SR546228	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14583	SR546229	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14584	SR546230	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/15/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14585	SR546232	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/23/1988	10/3/2006	6/30/1995	10/3/2006	12/23/1995			TRUE	TRUE	FALSE					
14586	SR546233	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/23/1988	7/7/2003	6/30/1995	7/7/2003	12/23/1995			TRUE	TRUE	FALSE					
14587	SR546234	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14588	SR546235	SSG	EMPLACED_CNTR	9/30/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/23/1988	9/11/2003	6/30/1995	9/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14589	SR546236	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14590	SR546237	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/30/1988	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14591	SR546238	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14592	SR546239	SSG	EMPLACED_CNTR	11/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	11/30/1988	6/2/2004	6/30/1995	6/2/2004	12/23/1995			TRUE	TRUE	FALSE					
14593	SR546240	SSG	EMPLACED_CNTR	9/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	11/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14594	SR546241	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/6/1988	6/26/2003	6/30/1995	6/26/2003	12/23/1995			TRUE	TRUE	FALSE					
14595	SR546242	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/6/1988	10/14/2003	6/30/1995	10/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14596	SR546243	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/6/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14597	SR546248	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/12/1988	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14598	SR546249	SSG	EMPLACED_CNTR	9/19/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/12/1988	4/23/2004	6/30/1995	4/23/2004	12/23/1995			TRUE	TRUE	FALSE					
14599	SR546250	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14600	SR546251	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14601	SR546252	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221J-Het-A	SS400	Remediate	1	12/28/1988	7/9/2006	6/30/1995	7/9/2006	12/23/1995			TRUE	TRUE	FALSE					
14602	SR546253	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/28/1988	7/18/2006	6/30/1995	7/18/2006	12/23/1995			TRUE	TRUE	FALSE					
14603	SR546254	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14604	SR546255	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/28/1988	6/10/2003	6/30/1995	6/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14605	SR546256	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14606	SR546257	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	12/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14607	SR546258	SSG	EMPLACED_CNTR	10/7/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	12/28/1988	8/18/2003	6/30/1995	8/18/2003	12/23/1995			TRUE	TRUE	FALSE					
14608	SR546259	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/4/1989	5/3/2004	6/30/1995	5/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14609	SR546260	SSG	EMPLACED_CNTR	1/29/2001	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14610	SR546261	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14611	SR546262	SSG	EMPLACED_CNTR	6/27/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14612	SR546263	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/4/1989	8/11/2003	6/30/1995	8/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14613	SR546264	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/4/1989	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14614	SR546265	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14615	SR546266	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/17/1989	5/6/2003	6/30/1995	5/6/2003	12/23/1995			TRUE	TRUE	FALSE					
14616	SR546267	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14617	SR546268	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14618	SR546269	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/17/1989	5/14/2005	6/30/1995	5/14/2005	12/23/1995			TRUE	TRUE	FALSE					
14619	SR546270	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14620	SR546271	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14621	SR546272	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14622	SR546273	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/26/1989	6/16/2003	6/30/1995	6/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14623	SR546274	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/26/1989	4/23/2006	6/30/1995	4/23/2006	12/23/1995			TRUE	TRUE	FALSE					
14624	SR546275	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14625	SR546276	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14626	SR546277	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14627	SR546278	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/26/1989	6/11/2003	6/30/1995	6/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14628	SR546282	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14629	SR546283	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/31/1989	4/28/2006	6/30/1995	4/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14630	SR546284	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221F-Het-A	SS400	Remediate	1	1/31/1989	5/26/2006	6/30/1995	5/26/2006	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14611	SR546285	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14612	SR546286	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	1/31/1989	6/10/2003	6/30/1995	6/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14613	SR546287	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	1/31/1989	12/28/2005	6/30/1995	12/28/2005	12/23/1995			TRUE	TRUE	FALSE					
14634	SR546288	SSG	EMPLACED_CNTR	3/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	1/31/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14635	SR546289	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	1/31/1989	8/16/2003	6/30/1995	8/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14636	SR546293	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/8/1989	6/3/2004	6/30/1995	6/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14637	SR546294	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14638	SR546295	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14639	SR546296	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/8/1989	4/23/2003	6/30/1995	4/23/2003	12/23/1995			TRUE	TRUE	FALSE					
14640	SR546297	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/8/1989	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14641	SR546302	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14642	SR546303	SSG	EMPLACED_CNTR	3/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14643	SR546304	SSG	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14644	SR546305	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14645	SR546306	SSG	EMPLACED_CNTR	1/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14646	SR546307	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/15/1989	8/15/2003	6/30/1995	8/15/2003	12/23/1995			TRUE	TRUE	FALSE					
14647	SR546308	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14648	SR546309	SSG	EMPLACED_CNTR	8/7/2001	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14649	SR546310	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14650	SR546311	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14651	SR546312	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14652	SR546314	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14653	SR546313	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/22/1989	3/14/2006	6/30/1995	3/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14654	SR546345	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14655	SR546346	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14656	SR546347	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/2/1989	11/27/2004	6/30/1995	11/27/2004	12/23/1995			TRUE	TRUE	FALSE					
14657	SR546348	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/2/1989	6/9/2003	6/30/1995	6/9/2003	12/23/1995			TRUE	TRUE	FALSE					
14658	SR546349	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/2/1989	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
14659	SR546351	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/8/1989	12/9/2005	6/30/1995	12/9/2005	12/23/1995			TRUE	TRUE	FALSE					
14660	SR546352	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14661	SR546353	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14662	SR546354	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14663	SR546355	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/8/1989	2/5/2004	6/30/1995	2/5/2004	12/23/1995			TRUE	TRUE	FALSE					
14664	SR546356	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14665	SR546357	SSG	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14666	SR546358	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/15/1989	11/27/2004	6/30/1995	11/27/2004	12/23/1995			TRUE	TRUE	FALSE					
14667	SR546359	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14668	SR546360	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/15/1989	4/28/2004	6/30/1995	4/28/2004	12/23/1995			TRUE	TRUE	FALSE					
14669	SR546361	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/21/1989	6/20/2006	6/30/1995	6/20/2006	12/23/1995			TRUE	TRUE	FALSE					
14670	SR546364	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/21/1989	6/17/2003	6/30/1995	6/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14671	SR546365	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14672	SR546366	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/21/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14673	SR546367	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/21/1989	9/28/2003	6/30/1995	9/28/2003	12/23/1995			TRUE	TRUE	FALSE					
14674	SR546368	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/21/1989	8/30/2003	6/30/1995	8/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14675	SR546369	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14676	SR546370	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/29/1989	9/29/2006	6/30/1995	9/29/2006	12/23/1995			TRUE	TRUE	FALSE					
14677	SR546371	SSG	EMPLACED_CNTR	8/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14678	SR546372	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	3/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14679	SR546373	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	3/29/1989	8/30/2003	6/30/1995	8/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14680	SR546375	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/3/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14681	SR546376	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	4/6/1989	6/13/2003	6/30/1995	6/13/2003	12/23/1995			TRUE	TRUE	FALSE					
14682	SR546378	SSG	EMPLACED_CNTR	10/6/2011 22:31	6/8/2011 17:45	incabed	SR-WD27-221F-Het-A	S5400		0	4/6/1989		6/30/1995					TRUE	TRUE	FALSE					
14683	SR546379	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14684	SR546380	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14685	SR546381	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	4/20/1989	12/7/2005	6/30/1995	12/7/2005	12/23/1995			TRUE	TRUE	FALSE					
14686	SR546382	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14687	SR546383	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14688	SR546384	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14689	SR546385	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	4/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14690	SR546386	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	5/2/1989	12/8/2005	6/30/1995	12/8/2005	12/23/1995			TRUE	TRUE	FALSE					
14691	SR546387	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14692	SR546388	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	5/2/1989	11/17/2004	6/30/1995	11/17/2004	12/23/1995			TRUE	TRUE	FALSE					
14693	SR546389	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	5/2/1989	4/30/2004	6/30/1995	4/30/2004	12/23/1995			TRUE	TRUE	FALSE					
14694	SR546390	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	5/2/1989	8/30/2003	6/30/1995	8/30/2003	12/23/1995			TRUE	TRUE	FALSE					
14695	SR546391	SSG	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14696	SR546392	SSG	EMPLACED_CNTR	10/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14697	SR546393	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14698	SR546395	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14699	SR546396	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14700	SR546397	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14701	SR546398	SSG	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/17/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14702	SR546399	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	5/17/1989	9/21/2005	6/30/1995	9/21/2005	12/23/1995			TRUE	TRUE	FALSE					
14703	SR546510	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14704	SR546511	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14705	SR546512	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14706	SR546513	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/16/1988	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
14707	SR546514	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/18/1988	11/1/2006	6/30/1995	11/1/2006	12/23/1995			TRUE	TRUE	FALSE					
14708	SR546515	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14709	SR546516	SSG	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/16/1988	5/17/2010	2/16/1988	5/17/2010	8/10/1988	contains ion-exchange resin, returned to wastestream, unesld per C.Simmons		TRUE	TRUE	FALSE					
14710	SR546517	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/16/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14711	SR546518	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14712	SR546519	SSG	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14713	SR546520	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14714	SR546521	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14715	SR546522	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	2/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14716	SR546523	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400	Remediate	1	2/25/1988	4/24/2008	2/25/1988	4/24/2008	8/19/1988			TRUE	TRUE	FALSE					
14717	SR546524	SSG	EMPLACED_CNTR	6/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221F-Het-A	S5400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14719	SR546525	55G	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14720	SR546526	55G	EMPLACED_CNTR	4/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	5/23/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14721	SR546527	55G	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	5/23/1988	9/7/2003	6/30/1995	9/7/2003	12/23/1995			TRUE	TRUE	FALSE					
14722	SR546528	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	5/23/1988	6/11/2003	6/30/1995	6/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14723	SR546530	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14724	SR546531	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14725	SR546532	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14726	SR546533	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	6/7/1988	6/7/1988	6/30/1995	12/31/2007	12/23/1995			TRUE	TRUE	FALSE					
14727	SR546534	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	6/7/1988	6/7/1988	6/30/1995	12/31/2007	12/23/1995			TRUE	TRUE	FALSE					
14728	SR546548	55G	EMPLACED_CNTR	6/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14729	SR546549	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/14/1988	8/16/2003	6/30/1995	8/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14730	SR546550	55G	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14731	SR546551	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14732	SR546552	55G	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/14/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14733	SR546553	55G	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	6/14/1988	6/14/1988	6/30/1995	12/30/2007	12/23/1995			TRUE	TRUE	FALSE					
14734	SR546554	55G	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	6/14/1988	6/14/1988	6/30/1995	1/3/2008	12/23/1995			TRUE	TRUE	FALSE					
14735	SR546555	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	6/14/1988	6/14/1988	6/30/1995	12/30/2007	12/23/1995			TRUE	TRUE	FALSE					
14736	SR546556	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/14/1988	2/19/2008	6/30/1995	2/19/2008	12/23/1995			TRUE	TRUE	FALSE					
14737	SR546557	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/14/1988	2/14/2008	6/30/1995	2/14/2008	12/23/1995			TRUE	TRUE	FALSE					
14738	SR546558	55G	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14739	SR546559	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/21/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14740	SR546560	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/28/1988	8/24/2003	6/30/1995	8/24/2003	12/23/1995			TRUE	TRUE	FALSE					
14741	SR546561	55G	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/28/1988	5/1/2006	6/30/1995	5/1/2006	12/23/1995			TRUE	TRUE	FALSE					
14742	SR546562	55G	EMPLACED_CNTR	6/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14743	SR546563	55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/28/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14744	SR546564	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/28/1988	4/29/2003	6/30/1995	4/29/2003	12/23/1995			TRUE	TRUE	FALSE					
14745	SR546565	55G	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14746	SR546566	55G	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/30/1988	6/16/2003	6/30/1995	6/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14747	SR546567	55G	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	6/30/1988	8/27/2003	6/30/1995	8/27/2003	12/23/1995			TRUE	TRUE	FALSE					
14748	SR546568	55G	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	6/30/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14749	SR546569	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/7/1988	9/24/2006	6/30/1995	9/24/2006	12/23/1995			TRUE	TRUE	FALSE					
14750	SR546570	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/7/1988	4/22/2003	6/30/1995	4/22/2003	12/23/1995			TRUE	TRUE	FALSE					
14751	SR546571	55G	EMPLACED_CNTR	9/7/2001	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14752	SR546572	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/7/1988	6/11/2003	6/30/1995	6/11/2003	12/23/1995			TRUE	TRUE	FALSE					
14753	SR546573	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/7/1988	3/4/2008	6/30/1995	3/4/2008	12/23/1995			TRUE	TRUE	FALSE					
14754	SR546574	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/7/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14755	SR546575	55G	EMPLACED_CNTR	2/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14756	SR546576	55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/12/1988	11/26/2006	6/30/1995	11/26/2006	12/23/1995			TRUE	TRUE	FALSE					
14757	SR546577	55G	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/12/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14758	SR546578	55G	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Purge	0	7/12/1988	7/12/1988	6/30/1995	12/31/2007	12/23/1995			TRUE	TRUE	FALSE					
14759	SR546579	55G	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/12/1988	2/8/2008	6/30/1995	2/8/2008	12/23/1995			TRUE	TRUE	FALSE					
14760	SR546580	55G	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/12/1988	1/24/2008	6/30/1995	1/24/2008	12/23/1995			TRUE	TRUE	FALSE					
14761	SR546581	55G	EMPLACED_CNTR	1/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/18/1988	4/1/2006	6/30/1995	4/1/2006	12/23/1995			TRUE	TRUE	FALSE					
14762	SR546582	55G	EMPLACED_CNTR	8/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/18/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14763	SR546583	55G	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/18/1988	6/10/2003	6/30/1995	6/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14764	SR546584	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/18/1988	6/12/2003	6/30/1995	6/12/2003	12/23/1995			TRUE	TRUE	FALSE					
14765	SR546585	55G	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	7/18/1988	7/18/1988	6/30/1995	1/3/2008	12/23/1995			TRUE	TRUE	FALSE					
14766	SR546586	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/18/1988	6/14/2004	6/30/1995	6/14/2004	12/23/1995			TRUE	TRUE	FALSE					
14767	SR546587	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/18/1988	2/19/2008	6/30/1995	2/19/2008	12/23/1995			TRUE	TRUE	FALSE					
14768	SR546594	55G	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/25/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14769	SR546595	55G	EMPLACED_CNTR	3/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/25/1988	6/10/2003	6/30/1995	6/10/2003	12/23/1995			TRUE	TRUE	FALSE					
14770	SR546596	55G	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/25/1988	4/24/2008	7/26/1988	4/24/2008	1/18/1989			TRUE	TRUE	FALSE					
14771	SR546596A	55G	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	4/24/2008		4/24/2008		10/17/2008			TRUE	TRUE	FALSE					
14772	SR546597	55G	EMPLACED_CNTR	2/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	7/29/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14773	SR546598	55G	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Vent	0	7/29/1988	7/26/1988	7/26/1988	1/29/2008	1/18/1989			TRUE	TRUE	FALSE					
14774	SR546599	55G	EMPLACED_CNTR	8/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	V&P Purge	0	7/29/1988	7/26/1988	6/30/1995	1/3/2008	12/23/1995			TRUE	TRUE	FALSE					
14775	SR546600	55G	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	7/27/1988	1/25/2008	7/27/1988	1/25/2008	1/18/1989			TRUE	TRUE	FALSE					
14776	SR548220	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14777	SR548221	55G	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/17/1987	3/23/2006	6/30/1995	3/23/2006	12/23/1995			TRUE	TRUE	FALSE					
14778	SR548222	55G	EMPLACED_CNTR	2/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14779	SR548223	55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14780	SR548224	55G	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14781	SR548225	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14782	SR548226	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/17/1987	1/5/2004	6/30/1995	1/5/2004	12/23/1995			TRUE	TRUE	FALSE					
14783	SR548227	55G	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14784	SR548228	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/17/1987	11/29/2003	6/30/1995	11/29/2003	12/23/1995			TRUE	TRUE	FALSE					
14785	SR548229	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14786	SR548230	55G	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/17/1987	11/8/2005	6/30/1995	11/8/2005	12/23/1995			TRUE	TRUE	FALSE					
14787	SR548231	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14788	SR548232	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14789	SR548233	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14790	SR548234	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14791	SR548235	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14792	SR548237	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14793	SR548238	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14794	SR548240	55G	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14795	SR548242	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/25/1987	1/15/2008	6/30/1995	1/15/2008	12/23/1995			TRUE	TRUE	FALSE					
14796	SR548243	55G	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/25/1987	5/30/2004	6/30/1995	5/30/2004	12/23/1995			TRUE	TRUE	FALSE					
14797	SR548244	55G	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14798	SR548245	55G	EMPLACED_CNTR	6/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14799	SR548246	55G	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14800	SR548247	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14801	SR548248	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14802	SR548249	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14803	SR548250	55G	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/25/1987	2/28/2006	6/30/1995	2/28/2006	12/23/1995			TRUE	TRUE	FALSE					
14804	SR548253	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/25/1987	11/16/2003	6/30/1995	11/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14805	SR548252	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400	Remediate	1	2/25/1987	12/5/2003	6/30/1995	12/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14806	SR548253	55G	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22LF-Net-A	55400		0	2/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14806	SR548254	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14807	SR548256	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14808	SR548257	SSG	EMPLACED_CNTR	10/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/2/1987	3/19/2007	6/30/1995	3/19/2007	12/23/1995			TRUE	TRUE	FALSE					
14809	SR548259	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14810	SR548260	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14811	SR548261	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14812	SR548262	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14813	SR548263	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14814	SR548264	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14815	SR548265	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14816	SR548266	SSG	EMPLACED_CNTR	8/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/11/1987	11/29/2006	6/30/1995	11/29/2006	12/23/1995			TRUE	TRUE	FALSE					
14817	SR548267	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/11/1987	4/5/2006	6/30/1995	4/5/2006	12/23/1995			TRUE	TRUE	FALSE					
14818	SR548268	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14819	SR548269	SSG	EMPLACED_CNTR	11/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/19/1987	4/7/2006	6/30/1995	4/7/2006	12/23/1995			TRUE	TRUE	FALSE					
14820	SR548270	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/19/1987	8/31/2003	6/30/1995	8/31/2003	12/23/1995			TRUE	TRUE	FALSE					
14821	SR548271	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	3/19/1987	9/2/2003	6/30/1995	9/2/2003	12/23/1995			TRUE	TRUE	FALSE					
14822	SR548273	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14823	SR548274	SSG	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14824	SR548275	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14825	SR548276	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14826	SR548277	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14827	SR548278	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14828	SR548279	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14829	SR548280	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	3/26/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14830	SR548281	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14831	SR548282	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14832	SR548283	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14833	SR548284	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14834	SR548285	SSG	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/7/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14835	SR548286	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14836	SR548287	SSG	EMPLACED_CNTR	7/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14837	SR548288	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14838	SR548289	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400			4/16/1987		4/16/1987		10/10/1987			TRUE	TRUE	FALSE					
14839	SR548292	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/29/1986		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14840	SR548293	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14841	SR548294	SSG	EMPLACED_CNTR	6/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14842	SR548295	SSG	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14843	SR548296	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	4/29/1987	5/13/2004	6/30/1995	5/13/2004	12/23/1995			TRUE	TRUE	FALSE					
14844	SR548298	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	8/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14845	SR548299	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	8/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14846	SR548401	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14847	SR548402	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/6/1987	5/26/2004	6/30/1995	5/26/2004	12/23/1995			TRUE	TRUE	FALSE					
14848	SR548403	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14849	SR548404	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/6/1987	8/29/2006	6/30/1995	8/29/2006	12/23/1995			TRUE	TRUE	FALSE					
14850	SR548405	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14851	SR548406	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	4/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14852	SR548407	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/12/1987	5/8/2006	6/30/1995	5/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14853	SR548408	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14854	SR548409	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/12/1987	8/15/2003	6/30/1995	8/15/2003	12/23/1995			TRUE	TRUE	FALSE					
14855	SR548410	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14856	SR548411	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/13/1987	6/9/2008	6/30/1995	6/9/2008	12/23/1995			TRUE	TRUE	FALSE					
14857	SR548412	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/13/1986	9/30/2006	6/30/1995	9/30/2006	12/23/1995			TRUE	TRUE	FALSE					
14858	SR548413	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14859	SR548414	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14860	SR548415	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/20/1987	1/26/2006	6/30/1995	1/26/2006	12/23/1995			TRUE	TRUE	FALSE					
14861	SR548416	SSG	EMPLACED_CNTR	10/6/2011 22:31	6/8/2011 17:46	mccabed	SR-W027-221F-Het-A	S5400		0	5/19/1987		6/30/1995					TRUE	TRUE	FALSE					
14862	SR548417	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/20/1987	8/5/2004	6/30/1995	8/5/2004	12/23/1995			TRUE	TRUE	FALSE					
14863	SR548418	SSG	APPROVED_CERT		4/19/2012 17:18	mccabed	SR-W027-221F-Het-A	S5400		0	5/19/1987		6/30/1995			WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
14864	SR548419	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/19/1987	8/16/2003	6/30/1995	8/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14865	SR548420	SSG	EMPLACED_CNTR	4/16/2011 13:58	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/19/1987	8/16/2003	6/30/1995	8/18/2003	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
14866	SR548422	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	9/27/2003	6/30/1995	9/27/2003	12/23/1995			TRUE	TRUE	FALSE					
14867	SR548423	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	5/14/2006	6/30/1995	5/14/2006	12/23/1995			TRUE	TRUE	FALSE					
14868	SR548424	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	8/31/2003	6/30/1995	8/31/2003	12/23/1995			TRUE	TRUE	FALSE					
14869	SR548425	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	8/25/2003	6/30/1995	8/25/2003	12/23/1995			TRUE	TRUE	FALSE					
14870	SR548426	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14871	SR548427	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	5/3/2004	6/30/1995	5/3/2004	12/23/1995			TRUE	TRUE	FALSE					
14872	SR548428	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	6/12/2004	6/30/1995	6/12/2004	12/23/1995			TRUE	TRUE	FALSE					
14873	SR548429	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	5/27/1987	8/17/2003	6/30/1995	8/17/2003	12/23/1995			TRUE	TRUE	FALSE					
14874	SR548430	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14875	SR548431	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	5/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14876	SR548432	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/4/1987	5/28/2003	6/30/1995	5/28/2003	12/23/1995			TRUE	TRUE	FALSE					
14877	SR548433	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/4/1987	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE	TRUE	FALSE					
14878	SR548434	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14879	SR548435	SSG	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/5/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14880	SR548436	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14881	SR548437	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/10/1987	3/31/2006	6/30/1995	3/31/2006	12/23/1995			TRUE	TRUE	FALSE					
14882	SR548438	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14883	SR548439	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14884	SR548440	SSG	EMPLACED_CNTR	8/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/10/1987	12/6/2006	6/30/1995	12/6/2006	12/23/1995			TRUE	TRUE	FALSE					
14885	SR548441	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14886	SR548442	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14887	SR548443	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/10/1987	6/4/2004	6/30/1995	6/4/2004	12/23/1995			TRUE	TRUE	FALSE					
14888	SR548444	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400	Remediate	1	6/18/1987	10/12/2006	6/30/1995	10/12/2006	12/23/1995			TRUE	TRUE	FALSE					
14889	SR548445	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14890	SR548446	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14891	SR548447	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14892	SR548448	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14893	SR548449	SSG	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	S5400		0	6/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14874	SR548450	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14875	SR548451	55G	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	6/26/1987	5/16/2004	6/30/1995	5/16/2004	12/23/1995			TRUE	TRUE	FALSE					
14876	SR548452	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14877	SR548453	55G	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14878	SR548454	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	6/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14879	SR548455	55G	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	6/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14880	SR548456	55G	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	V&P Vent	0	6/25/1987	6/25/1987	6/30/1995	10/18/2006	12/23/1995			TRUE	TRUE	FALSE					
14881	SR548457	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/2/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14882	SR548458	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	V&P Purge	0	7/1/1987	7/1/1987	6/30/1995	9/8/2004	12/23/1995			TRUE	TRUE	FALSE					
14883	SR548459	55G	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14884	SR548460	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14885	SR548461	55G	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/1/1987	8/4/2008	6/30/1995	8/4/2008	12/23/1995			TRUE	TRUE	FALSE					
14886	SR548462	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14887	SR548463	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14888	SR548464	55G	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14889	SR548465	55G	EMPLACED_CNTR	8/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14890	SR548466	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14891	SR548467	55G	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14892	SR548468	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14893	SR548470	55G	EMPLACED_CNTR	3/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/15/1987	6/5/2004	6/30/1995	6/5/2004	12/23/1995			TRUE	TRUE	FALSE					
14894	SR548471	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14895	SR548472	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/15/1987	11/29/2004	6/30/1995	11/29/2004	12/23/1995			TRUE	TRUE	FALSE					
14896	SR548473	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14897	SR548474	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/20/1987	3/13/2007	6/30/1995	3/13/2007	12/23/1995			TRUE	TRUE	FALSE					
14898	SR548475	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14899	SR548476	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14900	SR548477	55G	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/20/1987	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14901	SR548478	55G	EMPLACED_CNTR	3/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14902	SR548479	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14903	SR548480	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	V&P Vent	0	7/20/1987	7/20/1987	6/30/1995	10/18/2006	12/23/1995			TRUE	TRUE	FALSE					
14904	SR548481	55G	EMPLACED_CNTR	9/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/20/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14905	SR548482	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14906	SR548483	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14907	SR548484	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/22/1987	8/27/2003	6/30/1995	8/27/2003	12/23/1995			TRUE	TRUE	FALSE					
14908	SR548485	55G	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	V&P Vent	0	7/22/1987	7/22/1987	6/30/1995	10/25/2004	12/23/1995			TRUE	TRUE	FALSE					
14909	SR548486	55G	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14910	SR548487	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14911	SR548488	55G	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14912	SR548489	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14913	SR548490	55G	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14914	SR548491	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14915	SR548492	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14916	SR548493	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	7/30/1987	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
14917	SR548494	55G	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	7/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14918	SR548495	55G	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14919	SR548496	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14920	SR548497	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	8/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14921	SR548498	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	8/4/1987	5/18/2003	6/30/1995	5/18/2003	12/23/1995			TRUE	TRUE	FALSE					
14922	SR548499	55G	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	8/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14923	SR548500	55G	EMPLACED_CNTR	4/30/2001	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	8/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14924	SR548801	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/19/1987	1/25/2006	6/30/1995	1/25/2006	12/23/1995			TRUE	TRUE	FALSE					
14925	SR548802	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14926	SR548804	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14927	SR548805	55G	EMPLACED_CNTR	4/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14928	SR548806	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/19/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14929	SR548807	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/21/1987	7/7/2003	6/30/1995	7/7/2003	12/23/1995			TRUE	TRUE	FALSE					
14930	SR548808	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14931	SR548809	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14932	SR548810	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/21/1987	3/16/2006	6/30/1995	3/16/2006	12/23/1995			TRUE	TRUE	FALSE					
14933	SR548811	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/21/1987	11/21/2003	6/30/1995	11/21/2003	12/23/1995			TRUE	TRUE	FALSE					
14934	SR548812	55G	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14935	SR548813	55G	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/21/1987	11/16/2003	6/30/1995	11/16/2003	12/23/1995			TRUE	TRUE	FALSE					
14936	SR548814	55G	EMPLACED_CNTR	3/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14937	SR548815	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/23/1987	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE	TRUE	FALSE					
14938	SR548816	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/23/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14939	SR548817	55G	EMPLACED_CNTR	10/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14940	SR548818	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14941	SR548819	55G	EMPLACED_CNTR	7/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14942	SR548820	55G	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14943	SR548821	55G	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/28/1987	12/19/2003	6/30/1995	12/19/2003	12/23/1995			TRUE	TRUE	FALSE					
14944	SR548822	55G	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/29/1987	12/5/2003	6/30/1995	12/5/2003	12/23/1995			TRUE	TRUE	FALSE					
14945	SR548823	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/29/1987	11/26/2003	6/30/1995	11/26/2003	12/23/1995			TRUE	TRUE	FALSE					
14946	SR548824	55G	EMPLACED_CNTR	11/30/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14947	SR548825	55G	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14948	SR548826	55G	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14949	SR548827	55G	EMPLACED_CNTR	9/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14950	SR548828	55G	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/29/1987	12/7/2003	6/30/1995	12/7/2003	12/23/1995			TRUE	TRUE	FALSE					
14951	SR548828A	55G	EMPLACED_CNTR	4/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1		12/7/2003		12/7/2003				TRUE	TRUE	FALSE					
14952	SR548829	55G	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/30/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14953	SR548830	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	1/29/1987	5/20/2003	6/30/1995	5/20/2003	12/23/1995			TRUE	TRUE	FALSE					
14954	SR548831	55G	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	1/29/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14955	SR548832	55G	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14956	SR548833	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14957	SR548835	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14958	SR548836	55G	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14959	SR548837	55G			5/1/2012 15:13	mccabed	SR-WQ27-221F-Het-A	55400		0	2/3/1987		6/30/1995					TRUE	TRUE	TRUE					
14960	SR548840	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400		0	2/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14961	SR548841	55G	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221F-Het-A	55400	Remediate	1	2/4/1987	2/28/2007	6/30/1995	2/28/2007	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
14982	SR548842	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/4/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14983	SR548843	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14984	SR548844	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/16/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14985	SR548845	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14986	SR548846	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14987	SR548847	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14988	SR548848	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14989	SR548849	SSG	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14990	SR548850	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14991	SR548851	SSG	EMPLACED_CNTR	9/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	11/8/2006	6/30/1995	11/8/2006	12/23/1995			TRUE	TRUE	FALSE					
14992	SR548853	SSG	EMPLACED_CNTR	4/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14993	SR548854	SSG	EMPLACED_CNTR	12/14/2001	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14994	SR548855	SSG	EMPLACED_CNTR	5/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	12/18/2003	6/30/1995	12/18/2003	12/23/1995			TRUE	TRUE	FALSE					
14995	SR548856	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14996	SR548857	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Lid Removal	0	2/9/1987	2/9/1987	6/30/1995	3/28/2003	12/23/1995			TRUE	TRUE	FALSE					
14997	SR548570	SSG	APPROVED_CERT		5/1/2012 15:14	mccabed	SR-W027-221F-Het-A	55400			2/10/1987		6/30/1995					TRUE	FALSE	TRUE	NA				
14998	SR548858	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
14999	SR548859	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15000	SR548860	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15001	SR548861	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15002	SR548862	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15003	SR548863	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	8/7/2006	6/30/1995	8/7/2006	12/23/1995			TRUE	TRUE	FALSE					
15004	SR548864	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15005	SR548865	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	11/26/2003	6/30/1995	11/26/2003	12/23/1995			TRUE	TRUE	FALSE					
15006	SR548866	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	12/13/2003	6/30/1995	12/13/2003	12/23/1995			TRUE	TRUE	FALSE					
15007	SR548867	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15008	SR548868	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	4/13/2006	6/30/1995	4/13/2006	12/23/1995			TRUE	TRUE	FALSE					
15009	SR548869	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
15010	SR548870	SSG	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15011	SR548871	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15012	SR548872	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
15013	SR548873	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	11/18/2006	6/30/1995	11/18/2006	12/23/1995			TRUE	TRUE	FALSE					
15014	SR548875	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15015	SR548877	SSG	EMPLACED_CNTR	7/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	9/17/2003	6/30/1995	9/17/2003	12/23/1995			TRUE	TRUE	FALSE					
15016	SR548878	SSG	EMPLACED_CNTR	7/9/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/9/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15017	SR548880	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/9/1987	6/23/2003	6/30/1995	6/23/2003	12/23/1995			TRUE	TRUE	FALSE					
15018	SR548882	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15019	SR548883	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15020	SR548884	SSG	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15021	SR548885	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15022	SR548886	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/11/1987	4/29/2003	6/30/1995	4/29/2003	12/23/1995			TRUE	TRUE	FALSE					
15023	SR548887	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/11/1987	1/4/2006	6/30/1995	1/4/2006	12/23/1995			TRUE	TRUE	FALSE					
15024	SR548888	SSG	EMPLACED_CNTR	9/23/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15025	SR548889	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/11/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15026	SR548891	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/13/1987	1/13/2004	6/30/1995	1/13/2004	12/23/1995			TRUE	TRUE	FALSE					
15027	SR548892	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15028	SR548894	SSG	EMPLACED_CNTR	9/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15029	SR548895	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/17/1987	11/29/2003	6/30/1995	11/29/2003	12/23/1995			TRUE	TRUE	FALSE					
15030	SR548896	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15031	SR548897	SSG	EMPLACED_CNTR	4/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15032	SR548898	SSG	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/17/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15033	SR548899	SSG	EMPLACED_CNTR	11/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	2/17/1987	6/13/2004	6/30/1995	6/13/2004	12/23/1995			TRUE	TRUE	FALSE					
15034	SR548900	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	2/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15035	SR557801	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/24/1989	7/5/2005	6/30/1995	7/5/2005	12/23/1995			TRUE	TRUE	FALSE					
15036	SR557802	SSG	EMPLACED_CNTR	8/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	5/24/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15037	SR557803	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	5/24/1989	11/9/2006	5/24/1989	11/9/2006	11/16/1989			TRUE	TRUE	FALSE					
15038	SR557804	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	5/14/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15039	SR557805	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15040	SR557806	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15041	SR557807	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15042	SR557808	SSG	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/9/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15043	SR557809	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/30/1989	4/24/2006	6/30/1995	4/24/2006	12/23/1995			TRUE	TRUE	FALSE					
15044	SR557810	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/30/1989	4/16/2006	6/30/1995	4/16/2006	12/23/1995			TRUE	TRUE	FALSE					
15045	SR557811	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/30/1989	8/24/2003	6/30/1995	8/24/2003	12/23/1995			TRUE	TRUE	FALSE					
15046	SR557812	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15047	SR557813	SSG	EMPLACED_CNTR	3/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/30/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15048	SR557814	SSG	EMPLACED_CNTR	12/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/30/1989	8/25/2003	6/30/1995	8/25/2003	12/23/1995			TRUE	TRUE	FALSE					
15049	SR557824	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15050	SR557825	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15051	SR557826	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/28/1989	5/2/2004	6/30/1995	5/2/2004	12/23/1995			TRUE	TRUE	FALSE					
15052	SR557827	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15053	SR557828	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15054	SR557829	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	6/28/1989	4/5/2006	6/30/1995	4/5/2006	12/23/1995			TRUE	TRUE	FALSE					
15055	SR557830	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	6/28/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15056	SR557831	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	7/6/1989	1/15/2004	6/30/1995	1/15/2004	12/23/1995			TRUE	TRUE	FALSE					
15057	SR557832	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400	Remediate	1	7/6/1989	8/29/2003	6/30/1995	8/29/2003	12/23/1995			TRUE	TRUE	FALSE					
15058	SR557833	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15059	SR557834	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15060	SR557835	SSG	EMPLACED_CNTR	8/28/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15061	SR557836	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/6/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15062	SR557837	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15063	SR557838	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15064	SR557839	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15065	SR557840	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15066	SR557841	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15067	SR557842	SSG	EMPLACED_CNTR	4/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15068	SR557843	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15069	SR557844	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-221F-Het-A	55400		0	7/25/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15076	SRS57845	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	7/25/1989	4/23/2004	6/30/1995	4/23/2004	12/23/1995			TRUE	TRUE	FALSE					
15077	SRS57846	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	7/25/1989	9/2/2003	6/30/1995	9/2/2003	12/23/1995			TRUE	TRUE	FALSE					
15077	SRS57847	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	7/25/1989	9/8/2003	6/30/1995	9/8/2003	12/23/1995			TRUE	TRUE	FALSE					
15072	SRS57848	55G	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	7/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15074	SRS57849	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	7/26/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15075	SRS57850	55G	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15076	SRS57851	55G	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15077	SRS57852	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/2/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15078	SRS57854	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/8/1989	8/24/2003	6/30/1995	8/24/2003	12/23/1995			TRUE	TRUE	FALSE					
15079	SRS57855	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/8/1989	9/11/2003	6/30/1995	9/11/2003	12/23/1995			TRUE	TRUE	FALSE					
15080	SRS57856	55G	EMPLACED_CNTR	4/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15081	SRS57857	55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15082	SRS57858	55G	EMPLACED_CNTR	10/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/8/1989	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
15083	SRS57859	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15084	SRS57860	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15085	SRS57861	55G	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/15/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15086	SRS57862	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/15/1989	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					
15087	SRS57863	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/15/1989	9/7/2003	6/30/1995	9/7/2003	12/23/1995			TRUE	TRUE	FALSE					
15088	SRS57865	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15089	SRS57866	55G	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15090	SRS57867	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15091	SRS57868	55G	EMPLACED_CNTR	5/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15092	SRS57869	55G	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/22/1989	8/8/2006	6/30/1995	8/8/2006	12/23/1995			TRUE	TRUE	FALSE					
15093	SRS57870	55G	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15094	SRS57871	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15095	SRS57872	55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	8/29/1989	10/23/2006	6/30/1995	10/23/2006	12/23/1995			TRUE	TRUE	FALSE					
15096	SRS57873	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15097	SRS57874	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	8/29/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15098	SRS57875	55G	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/5/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15099	SRS57876	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/6/1989	8/29/2003	6/30/1995	8/29/2003	12/23/1995			TRUE	TRUE	FALSE					
15100	SRS57888	55G	EMPLACED_CNTR	10/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/12/1989	4/12/2006	6/30/1995	4/12/2006	12/23/1995			TRUE	TRUE	FALSE					
15101	SRS57889	55G	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/12/1989	9/6/2003	6/30/1995	9/6/2003	12/23/1995			TRUE	TRUE	FALSE					
15102	SRS57890	55G	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/12/1989	9/18/2003	6/30/1995	9/18/2003	12/23/1995			TRUE	TRUE	FALSE					
15103	SRS57891	55G	EMPLACED_CNTR	4/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/12/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15104	SRS57892	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/12/1989	6/11/2003	6/30/1995	6/11/2003	12/23/1995			TRUE	TRUE	FALSE					
15105	SRS57893	55G	EMPLACED_CNTR	4/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/12/1989	9/5/2003	6/30/1995	9/5/2003	12/23/1995			TRUE	TRUE	FALSE					
15106	SRS57895	55G	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15107	SRS57896	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15108	SRS57897	55G	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/18/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15109	SRS57898	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/18/1989	9/17/2003	6/30/1995	9/17/2003	12/23/1995			TRUE	TRUE	FALSE					
15110	SRS57901	55G	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15111	SRS57902	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15112	SRS57903	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15113	SRS57904	55G	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15114	SRS57905	55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	9/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15115	SRS57906	55G	EMPLACED_CNTR	7/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	9/27/1989	5/8/2004	6/30/1995	5/8/2004	12/23/1995			TRUE	TRUE	FALSE					
15116	SRS57907	55G	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	10/20/1989	10/5/2006	6/30/1995	10/5/2006	12/23/1995			TRUE	TRUE	FALSE					
15117	SRS57908	55G	EMPLACED_CNTR	9/25/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	10/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15118	SRS57909	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	10/20/1989	6/3/2004	10/20/1989	6/3/2004	4/14/1990			TRUE	TRUE	FALSE					
15119	SRS57910	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	10/20/1989	9/3/2004	10/20/1989	6/5/2004	4/14/1990			TRUE	TRUE	FALSE					
15120	SRS57911	55G	EMPLACED_CNTR	11/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	10/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15121	SRS57912	55G	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	10/20/1989	3/16/2004	6/30/1995	3/16/2004	12/23/1995			TRUE	TRUE	FALSE					
15122	SRS57913	55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	10/20/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15123	SRS57914	55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15124	SRS57915	55G	EMPLACED_CNTR	8/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15125	SRS57916	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15126	SRS57917	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15127	SRS57918	55G	EMPLACED_CNTR	4/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/8/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15128	SRS57919	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	11/8/1989	6/3/2004	11/8/1989	6/3/2004	5/3/1990			TRUE	TRUE	FALSE					
15129	SRS57920	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	11/27/1989	1/4/2006	6/30/1995	1/4/2006	12/23/1995			TRUE	TRUE	FALSE					
15130	SRS57921	55G	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/22/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15131	SRS57922	55G	EMPLACED_CNTR	12/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15132	SRS57923	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/27/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15133	SRS57924	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	11/27/1989	4/21/2004	6/30/1995	4/21/2004	12/23/1995			TRUE	TRUE	FALSE					
15134	SRS57931	55G	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15135	SRS57932	55G	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15136	SRS57933	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/13/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15137	SRS57935	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	12/12/1989	8/27/2003	6/30/1995	8/27/2003	12/23/1995			TRUE	TRUE	FALSE					
15138	SRS57936	55G	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	12/13/1989	9/1/2003	6/30/1995	9/1/2003	12/23/1995			TRUE	TRUE	FALSE					
15139	SRS57937	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15140	SRS57938	55G	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15141	SRS57939	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15142	SRS57940	55G	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15143	SRS57941	55G	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15144	SRS57942	55G	EMPLACED_CNTR	9/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15145	SRS57943	55G	EMPLACED_CNTR	8/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15146	SRS57944	55G	EMPLACED_CNTR	4/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	12/19/1989		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15147	SRS57945	55G	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400	Remediate	1	12/19/1989	5/2/2006	6/30/1995	5/2/2006	12/23/1995			TRUE	TRUE	FALSE					
15148	SRS57946	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15149	SRS57947	55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15150	SRS57948	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15151	SRS57949	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/2/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15152	SRS57950	55G	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15153	SRS57951	55G	EMPLACED_CNTR	1/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15154	SRS57952	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15155	SRS57953	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	1/10/1990		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15156	SRS58101	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15157	SRS58102	55G	EMPLACED_CNTR	1/31/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Net-A	55400		0	11/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15158	SR558103	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/18/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15159	SR558104	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	11/18/1987	8/29/2006	11/18/1987	8/29/2006	5/12/1988			TRUE	TRUE	FALSE					
15160	SR558105	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	11/18/1987	5/28/2003	6/30/1995	5/28/2003	12/13/1995			TRUE	TRUE	FALSE					
15161	SR558106	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/18/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15162	SR558107	SSG	EMPLACED_CNTR	10/30/2010 9:59	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	11/18/1987	2/19/2008	6/30/1995	2/19/2008	12/13/1995			TRUE	TRUE	FALSE					
15163	SR558108	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15164	SR558109	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15165	SR558110	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15166	SR558111	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15167	SR558112	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15168	SR558113	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	11/24/1987	8/14/2003	6/30/1995	8/14/2003	12/13/1995			TRUE	TRUE	FALSE					
15169	SR558114	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	11/24/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15170	SR558115	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/3/1987	10/3/2006	6/30/1995	10/3/2006	12/13/1995			TRUE	TRUE	FALSE					
15171	SR558116	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/3/1987	12/20/2006	6/30/1995	12/20/2006	12/13/1995			TRUE	TRUE	FALSE					
15172	SR558117	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/3/1987	9/11/2003	6/30/1995	9/11/2003	12/13/1995			TRUE	TRUE	FALSE					
15173	SR558118	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/3/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15174	SR558119	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/3/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15175	SR558120	SSG	EMPLACED_CNTR	4/21/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/3/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15176	SR558121	SSG	EMPLACED_CNTR	10/23/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/3/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15177	SR558122	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/3/1987	5/25/2004	6/30/1995	5/25/2004	12/13/1995			TRUE	TRUE	FALSE					
15178	SR558123	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/4/1987	10/8/2006	6/30/1995	10/8/2006	12/13/1995			TRUE	TRUE	FALSE					
15179	SR558124	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/4/1987	6/7/2003	6/30/1995	6/7/2003	12/13/1995			TRUE	TRUE	FALSE					
15180	SR558125	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/4/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15181	SR558126	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/8/1987	4/5/2006	6/30/1995	4/5/2006	12/13/1995			TRUE	TRUE	FALSE					
15182	SR558128	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/8/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15183	SR558129	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/8/1987	9/14/2006	6/30/1995	9/14/2006	12/13/1995			TRUE	TRUE	FALSE					
15184	SR558130	SSG	EMPLACED_CNTR	7/12/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/15/1987	6/5/2004	6/30/1995	6/5/2004	12/13/1995			TRUE	TRUE	FALSE					
15185	SR558131	SSG	EMPLACED_CNTR	6/3/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15186	SR558132	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15187	SR558133	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15188	SR558134	SSG	EMPLACED_CNTR	11/20/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15189	SR558135	SSG	EMPLACED_CNTR	4/22/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15190	SR558136	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15191	SR558137	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/15/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15192	SR558138	SSG	EMPLACED_CNTR	7/29/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/15/1987	7/7/2003	12/15/1987	7/7/2003	6/9/1988			TRUE	TRUE	FALSE					
15193	SR558139	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/15/1987	9/16/2003	6/30/1995	9/16/2003	12/13/1995			TRUE	TRUE	FALSE					
15194	SR558140	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/15/1987	9/10/2003	6/30/1995	9/10/2003	12/13/1995			TRUE	TRUE	FALSE					
15195	SR558141	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	12/15/1987	9/5/2003	6/30/1995	9/5/2003	12/13/1995			TRUE	TRUE	FALSE					
15196	SR558143	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15197	SR558144	SSG	EMPLACED_CNTR	4/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15198	SR558145	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15199	SR558146	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15200	SR558147	SSG	EMPLACED_CNTR	5/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15201	SR558148	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15202	SR558149	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15203	SR558150	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15204	SR558151	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15205	SR558152	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/22/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15206	SR558153	SSG	EMPLACED_CNTR	1/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/30/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15207	SR558154	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/30/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15208	SR558155	SSG	EMPLACED_CNTR	3/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/30/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15209	SR558156	SSG	EMPLACED_CNTR	8/31/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/30/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15210	SR558157	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	12/30/1987		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15211	SR558158	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/5/1988	10/23/2006	6/30/1995	10/23/2006	12/13/1995			TRUE	TRUE	FALSE					
15212	SR558159	SSG	EMPLACED_CNTR	8/12/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/5/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15213	SR558160	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/4/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15214	SR558161	SSG	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/5/1988	4/24/2008	1/5/1988	4/24/2008	6/29/1988			TRUE	TRUE	FALSE					
15215	SR558162	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/13/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15216	SR558163	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	V&P Vent	0	1/12/1988	1/12/1988	1/12/1988	3/29/2008	7/6/1988			TRUE	TRUE	FALSE					
15217	SR558164	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/12/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15218	SR558165	SSG	EMPLACED_CNTR	9/14/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/12/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15219	SR558166	SSG	EMPLACED_CNTR	10/2/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/12/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15220	SR558167	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/12/1988	10/5/2006	1/12/1988	10/5/2006	7/6/1988			TRUE	TRUE	FALSE					
15221	SR558168	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/12/1988	8/29/2006	6/30/1995	8/29/2006	12/13/1995			TRUE	TRUE	FALSE					
15222	SR558169	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/12/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15223	SR558170	SSG	EMPLACED_CNTR	6/10/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/12/1988	10/9/2003	6/30/1995	10/9/2003	12/13/1995			TRUE	TRUE	FALSE					
15224	SR558171	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15225	SR558172	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15226	SR558173	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15227	SR558174	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15228	SR558175	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15229	SR558176	SSG	EMPLACED_CNTR	5/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15230	SR558177	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15231	SR558178	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15232	SR558179	SSG	EMPLACED_CNTR	10/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/19/1988	6/3/2004	6/30/1995	6/3/2004	12/13/1995			TRUE	TRUE	FALSE					
15233	SR558180	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/19/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15234	SR558181	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/26/1988	3/12/2006	6/30/1995	3/12/2006	12/13/1995			TRUE	TRUE	FALSE					
15235	SR558182	SSG	EMPLACED_CNTR	1/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/26/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15236	SR558183	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/26/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15237	SR558184	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/27/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15238	SR558185	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	1/26/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15239	SR558188	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/26/1988	5/29/2004	6/30/1995	5/29/2004	12/13/1995			TRUE	TRUE	FALSE					
15240	SR558187	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/26/1988	11/7/2006	6/30/1995	11/7/2006	12/13/1995			TRUE	TRUE	FALSE					
15241	SR558188	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400	Remediate	1	1/26/1988	8/30/2003	6/30/1995	8/30/2003	12/13/1995			TRUE	TRUE	FALSE					
15242	SR558190	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	2/2/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15243	SR558191	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	2/2/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15244	SR558192	SSG	EMPLACED_CNTR	4/16/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	2/2/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					
15245	SR558193	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221F-Met-A	S5400		0	2/2/1988		6/30/1995		12/13/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15246	SR558195	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15247	SR558196	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15248	SR558197	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15249	SR558198	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15250	SR558199	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15251	SR558200	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	2/9/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15252	SR558301	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15253	SR558302	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15254	SR558303	SSG	EMPLACED_CNTR	9/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	4/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15255	SR558304	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	V&P Vent	0	4/22/1987	4/22/1987	6/30/1995	2/3/2004	12/23/1995			TRUE	TRUE	FALSE					
15256	SR558305	SSG	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WWIS_Updt	SR-W027-321F-Het-A	SS400	Remediate	1	4/22/1987	4/28/2010	4/22/1987	4/28/2010	10/15/1987	contains ion-exchange resin, returned to wastestream		TRUE	TRUE	FALSE					
15257	SR558306	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/22/1987	4/5/2010	4/5/2010	4/5/2010	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
15258	SR558306A	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-321F-Het-A	SS400		0	4/5/2010		4/5/2010		9/28/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
15259	SR558306B	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-221F-Het-A	SS400		0	4/5/2010		4/5/2010		9/28/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
15260	SR558306C	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-221F-Het-A	SS400		0	4/5/2010		4/5/2010		9/28/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	FALSE					
15261	SR558307	SSG	EMPLACED_CNTR	3/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	4/22/1987	6/5/2004	6/30/1995	6/5/2004	12/23/1995			TRUE	TRUE	FALSE					
15262	SR558308	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-321F-Het-A	SS400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15263	SR558309	SSG	EMPLACED_CNTR	8/22/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15264	SR558310	SSG	EMPLACED_CNTR	1/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/18/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15265	SR558311	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/18/1987	6/3/2004	6/30/1995	6/3/2004	12/23/1995			TRUE	TRUE	FALSE					
15266	SR558312	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/18/1987	8/6/2008		8/6/2008				TRUE	TRUE	FALSE					
15267	SR558313	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/21/1987	9/2/2003	6/30/1995	9/2/2003	12/23/1995			TRUE	TRUE	FALSE					
15268	SR558314	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/21/1987	6/26/2003	6/30/1995	6/26/2003	12/23/1995			TRUE	TRUE	FALSE					
15269	SR558315	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/21/1987	12/5/2006	6/30/1995	12/5/2006	12/23/1995			TRUE	TRUE	FALSE					
15270	SR558316	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/21/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15271	SR558317	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/24/1987	5/11/2006	6/30/1995	5/11/2006	12/23/1995			TRUE	TRUE	FALSE					
15272	SR558318	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/24/1987	12/7/2006	6/30/1995	12/7/2006	12/23/1995			TRUE	TRUE	FALSE					
15273	SR558320	SSG	EMPLACED_CNTR	1/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15274	SR558323	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	8/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15275	SR558324	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	8/27/1987	10/4/2006	6/30/1995	10/4/2006	12/23/1995			TRUE	TRUE	FALSE					
15276	SR558325	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-321F-Het-A	SS400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15277	SR558326	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15278	SR558327	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15279	SR558328	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15280	SR558331	SSG	EMPLACED_CNTR	4/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15281	SR558332	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/10/1987	6/5/2004	6/30/1995	6/5/2004	12/23/1995			TRUE	TRUE	FALSE					
15282	SR558333	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/10/1987	9/2/2003	6/30/1995	9/2/2003	12/23/1995			TRUE	TRUE	FALSE					
15283	SR558334	SSG	EMPLACED_CNTR	8/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/10/1987	4/22/2004	6/30/1995	4/22/2004	12/23/1995			TRUE	TRUE	FALSE					
15284	SR558335	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/15/1987	11/3/2006	6/30/1995	11/3/2006	12/23/1995			TRUE	TRUE	FALSE					
15285	SR558336	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/15/1987	6/3/2004	6/30/1995	6/3/2004	12/23/1995			TRUE	TRUE	FALSE					
15286	SR558337	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/24/1987	11/5/2006	6/30/1995	11/5/2006	12/23/1995			TRUE	TRUE	FALSE					
15287	SR558339	SSG	EMPLACED_CNTR	4/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	9/24/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15288	SR558340	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	9/24/1987	4/24/2004	6/30/1995	4/24/2004	12/23/1995			TRUE	TRUE	FALSE					
15289	SR558341	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15290	SR558342	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15291	SR558343	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/1/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15292	SR558344	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/1/1987	3/24/2008	10/1/1987	3/24/2008	3/25/1988			TRUE	TRUE	FALSE					
15293	SR558345	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/1/1987	9/6/2003	6/30/1995	9/6/2003	12/23/1995			TRUE	TRUE	FALSE					
15294	SR558346	SSG	EMPLACED_CNTR	10/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/1/1987	9/7/2003	6/30/1995	9/7/2003	12/23/1995			TRUE	TRUE	FALSE					
15295	SR558347	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/1/1987	5/10/2004	6/30/1995	5/10/2004	12/23/1995			TRUE	TRUE	FALSE					
15296	SR558348	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15297	SR558349	SSG	EMPLACED_CNTR	12/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15298	SR558350	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15299	SR558351	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15300	SR558352	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15301	SR558353	SSG	EMPLACED_CNTR	1/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/6/1987	6/12/2003	6/30/1995	6/12/2003	12/23/1995			TRUE	TRUE	FALSE					
15302	SR558354	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15303	SR558355	SSG	EMPLACED_CNTR	3/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/8/1987	6/16/2003	6/30/1995	6/16/2003	12/23/1995			TRUE	TRUE	FALSE					
15304	SR558356	SSG	EMPLACED_CNTR	3/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/8/1987	4/30/2006	6/30/1995	4/30/2006	12/23/1995			TRUE	TRUE	FALSE					
15305	SR558358	SSG	EMPLACED_CNTR	4/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-321F-Het-A	SS400	Remediate	1	10/8/1987	5/28/2003	6/30/1995	5/28/2003	12/23/1995			TRUE	TRUE	FALSE					
15306	SR558359	SSG	EMPLACED_CNTR	12/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15307	SR558360	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/8/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15308	SR558361	SSG	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/12/1987	7/8/2003	6/30/1995	7/8/2003	12/23/1995			TRUE	TRUE	FALSE					
15309	SR558362	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/12/1987	4/7/2006	6/30/1995	4/7/2006	12/23/1995			TRUE	TRUE	FALSE					
15310	SR558363	SSG	EMPLACED_CNTR	8/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15311	SR558364	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15312	SR558366	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15313	SR558367	SSG	EMPLACED_CNTR	12/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/15/1987	11/15/2006	6/30/1995	11/15/2006	12/23/1995			TRUE	TRUE	FALSE					
15314	SR558368	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/15/1987	6/18/2003	6/30/1995	6/18/2003	12/23/1995			TRUE	TRUE	FALSE					
15315	SR558369	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15316	SR558370	SSG	EMPLACED_CNTR	12/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15317	SR558371	SSG	EMPLACED_CNTR	8/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15318	SR558372	SSG	EMPLACED_CNTR	8/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/13/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15319	SR558373	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15320	SR558374	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/15/1987	5/28/2003	6/30/1995	5/28/2003	12/23/1995			TRUE	TRUE	FALSE					
15321	SR558375	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15322	SR558376	SSG	EMPLACED_CNTR	4/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15323	SR558377	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/15/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15324	SR558378	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15325	SR558379	SSG	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	10/22/1987	7/9/2005	6/30/1995	7/9/2005	12/23/1995			TRUE	TRUE	FALSE					
15326	SR558380	SSG	EMPLACED_CNTR	12/16/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15327	SR558381	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15328	SR558382	SSG	EMPLACED_CNTR	9/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/22/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15329	SR558383	SSG	EMPLACED_CNTR	9/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15330	SR558384	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	10/27/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15331	SR558386	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/3/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15332	SR558387	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/7/1987	12/5/2006	6/30/1995	12/5/2006	12/23/1995			TRUE	TRUE	FALSE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15333	SR558388	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/5/1987	4/30/2006	6/30/1995	4/30/2006	12/23/1995			TRUE	TRUE	FALSE					
15334	SR558389	SSG	EMPLACED_CNTR	3/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/4/1987	10/3/2006	6/30/1995	10/3/2006	12/23/1995			TRUE	TRUE	FALSE					
15335	SR558391	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/4/1987	5/17/2006	6/30/1995	5/17/2006	12/23/1995			TRUE	TRUE	FALSE					
15336	SR558392	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/4/1987	1/29/2007	6/30/1995	1/29/2007	12/23/1995			TRUE	TRUE	FALSE					
15337	SR558392A	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1		1/29/2007		1/29/2007				TRUE	TRUE	FALSE					
15338	SR558393	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/3/1987	2/29/2004	6/30/1995	2/29/2004	12/23/1995			TRUE	TRUE	FALSE					
15339	SR558394	SSG	EMPLACED_CNTR	10/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/4/1987	3/31/2006	6/30/1995	3/31/2006	12/23/1995			TRUE	TRUE	FALSE					
15340	SR558395	SSG	EMPLACED_CNTR	2/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/4/1987	10/5/2006	6/30/1995	10/5/2006	12/23/1995			TRUE	TRUE	FALSE					
15341	SR558396	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15342	SR558397	SSG	EMPLACED_CNTR	10/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15343	SR558398	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400	Remediate	1	11/10/1987	10/19/2006	6/30/1995	10/19/2006	12/23/1995			TRUE	TRUE	FALSE					
15344	SR558399	SSG	EMPLACED_CNTR	9/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	11/10/1987		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15345	SR561302	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-Het-A	SS400		0	12/19/1988		6/30/1995		12/23/1995			TRUE	TRUE	FALSE					
15346	SR910042	SSG	APPROVED_CERT		12/11/2012 17:31	mccabed	SR-W027-221F-Het-A	SS400		0	4/18/1988	9/13/2012	7/29/2008	9/13/2012		The original drum tag was lost and the container was assigned SR910042; however, it has been determined that the original container number was SR285471 (MDoherty 072412); 221-F-5500E; Changed WS from SR-W027-221F-Het-A per LWatson email 120612; Changed WS from SR-W026-221F-HOM per LWatson 121012	- Rpkgd into SR910042A - Rpkgd into SR910042B	TRUE	TRUE	TRUE					
15347	SR910042A	SSG	APPROVED_CERT		9/19/2012 10:38	mccabed	SR-W027-221F-Het-A	SS400		0	9/13/2012		9/13/2012				- Rpkgd was SR910042	TRUE	TRUE	TRUE			SR910042		Daughter
15348	SR910042B	SSG	APPROVED_CERT		9/19/2012 10:39	mccabed	SR-W027-221F-Het-A	SS400		0	9/13/2012		9/13/2012				- Rpkgd was SR910042	TRUE	TRUE	TRUE			SR910042		Daughter
15349	SR910054	SSG	APPROVED_CERT		8/12/2012 22:31	mccabed	SR-W027-221F-Het-A	SS400			4/22/1988	3/27/2007		3/27/2007		Added per MDoherty email 042012.		TRUE	FALSE	TRUE	NA				
15350	WMAPSWB155B	SSG			12/10/2012 7:12	mccabed	SR-W027-221F-Het-A	SS400	None	0	9/9/2011	4/17/2012	9/9/2011	4/17/2012		Note the removal of the A due to 10-character limit; Changed WS from SR-W026-221F-HEPA per LWatson email 120612	- Rpkgd was WMAPSWB155	TRUE	TRUE	TRUE			WMAPSWB155		Daughter
15351	SR182686	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			3/17/1986		12/29/1998					TRUE	TRUE	FALSE					
15352	SR182687	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			3/17/1986		10/21/1998					TRUE	TRUE	FALSE					
15353	SR182691	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			3/17/1986		2/16/1999					TRUE	TRUE	FALSE					
15354	SR182692	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			3/17/1986		2/11/1999					TRUE	TRUE	FALSE					
15355	SR226899A	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400		0	11/21/2002		11/21/2002		5/16/2003			TRUE	TRUE	FALSE					
15356	SR226915A	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400		0	12/12/2001		12/12/2001		6/6/2002			TRUE	TRUE	FALSE					
15357	SR226951A	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400		0	10/22/2002		10/22/2002		4/16/2003			TRUE	TRUE	FALSE					
15358	SR235305A	SSG	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400		0	1/24/2002		1/24/2002		7/19/2002			TRUE	TRUE	FALSE					
15359	SR236980	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			1/18/1990		1/18/1990		7/13/1990			TRUE	TRUE	FALSE					
15360	SR540982	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			4/4/1966		1/5/1999					TRUE	TRUE	FALSE					
15361	SR540984	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			4/4/1966		12/14/1998					TRUE	TRUE	FALSE					
15362	SR540985	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			4/4/1966		1/21/1999					TRUE	TRUE	FALSE					
15363	SR540986	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			4/4/1966		1/21/1999					TRUE	TRUE	FALSE					
15364	SR540987	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400			4/4/1966		12/16/1998					TRUE	TRUE	FALSE					
15365	SR542514	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400	Remediate	1	10/14/1986	12/12/2006		12/12/2006				TRUE	TRUE	FALSE					
15366	SR548843A	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400		0	10/13/2002		10/13/2002		4/17/2003			TRUE	TRUE	FALSE					
15367	SR558194	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221F-HET-A	SS400	Remediate	1	2/2/1988	8/14/2003		8/14/2003				TRUE	TRUE	FALSE					
15368	WMAPSWB472	SWB	EMPLACED_CNTR	8/1/2012 14:00	4/18/2012 13:58	mccabed	SR-W027-221F-HET-A	SS400			1/19/2012		1/18/2012				- Rpkgd was SR546281	TRUE	FALSE	TRUE			SR546281		Repack
15369	WMAPSWB473	SWB	EMPLACED_CNTR	1/8/2013 13:53	4/18/2012 13:57	mccabed	SR-W027-221F-HET-A	SS400			1/18/2012		1/18/2012				- Rpkgd was SR546280	TRUE	FALSE	TRUE			SR546280		Repack
15370	HB00F01	Poly Box			5/1/2012 18:38	mccabed	SR-W027-221H-HEPA	SS410		0	5/23/2000		5/23/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15371	HB00F02	Poly Box			5/1/2012 18:39	mccabed	SR-W027-221H-HEPA	SS410		0	5/23/2000		5/23/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15372	HB00F03	Poly Box			5/1/2012 18:39	mccabed	SR-W027-221H-HEPA	SS410		0	5/23/2000		5/23/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15373	HB00F04	Poly Box			5/1/2012 18:40	mccabed	SR-W027-221H-HEPA	SS410		0	6/7/2000		6/7/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15374	HB00F05	Poly Box			5/1/2012 18:40	mccabed	SR-W027-221H-HEPA	SS410		0	6/7/2000		6/7/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15375	HB00F06	Poly Box			5/1/2012 18:41	mccabed	SR-W027-221H-HEPA	SS410		0	6/7/2000		6/7/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15376	HB00F07	Poly Box			5/1/2012 18:41	mccabed	SR-W027-221H-HEPA	SS410		0	6/7/2000		6/7/2000			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15377	HBL01F0001	Poly Box			5/1/2012 18:44	mccabed	SR-W027-221H-HEPA	SS410		0	6/26/2001		6/26/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15378	HBL01F0002	Poly Box			5/1/2012 18:45	mccabed	SR-W027-221H-HEPA	SS410		0	6/26/2001		6/26/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15379	HBL01F0003	Poly Box			5/1/2012 18:45	mccabed	SR-W027-221H-HEPA	SS410		0	6/26/2001		6/26/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15380	HBL01F0004	Poly Box			5/1/2012 18:46	mccabed	SR-W027-221H-HEPA	SS410		0	6/26/2001		6/26/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15381	HBL01F0005	Poly Box			5/1/2012 18:46	mccabed	SR-W027-221H-HEPA	SS410		0	6/26/2001		6/26/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15382	HBL01F0006	Poly Box			5/1/2012 18:47	mccabed	SR-W027-221H-HEPA	SS410		0	6/27/2001		6/27/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15383	HBL01F0007	Poly Box			5/1/2012 18:48	mccabed	SR-W027-221H-HEPA	SS410		0	6/28/2001		6/28/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15384	HBL01F0008	Poly Box			5/1/2012 18:48	mccabed	SR-W027-221H-HEPA	SS410		0	6/28/2001		6/28/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15385	HBL01F0012	Poly Box			5/1/2012 18:49	mccabed	SR-W027-221H-HEPA	SS410		0	7/2/2001		7/2/2001			Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15386	HBL03130	SWB	EMPLACED_CNTR	10/19/2010 22:17	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	SS410		0	11/6/2002		11/6/2002		5/1/2003			TRUE		TRUE					
15387	HBL040214	SWB	EMPLACED_CNTR	3/27/2010 9:49	4/28/2011 6:00	WIPPNET\SCH.Master	SR-W027-221H-HEPA	SS410		0	4/25/2007		4/25/2007		10/18/2007			TRUE		TRUE					
15388	HBL070074	SWB	EMPLACED_CNTR	1/22/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	SS410		0	2/22/2007		2/22/2007		8/17/2007			TRUE		TRUE					
15389	HBL070075	SWB	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	SS410		0	2/22/2007		2/22/2007		8/17/2007			TRUE		TRUE					
15390	HBL090055	SWB	EMPLACED_CNTR	11/4/2012 10:39	5/6/2012 10:19	mccabed	SR-W027-221H-HEPA	SS410			9/10/2009		9/10/2009					TRUE	FALSE	TRUE					
15391	HBL100042	SWB	EMPLACED_CNTR	11/4/2012 10:41	5/6/2012 10:19	mccabed	SR-W027-221H-HEPA	SS410			3/20/2010		3/20/2010					TRUE	FALSE	TRUE					
15392	HBL100052	SWB	EMPLACED_CNTR	10/26/2012 15:26	5/6/2012 10:19	mccabed	SR-W027-221H-HEPA	SS410			5/4/2010		5/4/2010					TRUE	FALSE	TRUE					
15393	HBL120549	SWB	APPROVED_CERT		3/20/2013 15:50	mccabed	SR-W027-221H-HEPA	SS410			10/11/2012		10/11/2012			Added per CChancellor 032013.		TRUE	FALSE	FALSE	NA				
15394	HBL120568	SSG	APPROVED_CERT		3/20/2013 15:53	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15395	HBL120569	SSG	APPROVED_CERT		3/20/2013 15:53	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15396	HBL120570	SSG	APPROVED_CERT		3/20/2013 15:54	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15397	HBL120571	SSG	APPROVED_CERT		3/20/2013 15:55	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15398	HBL120573	SSG	APPROVED_CERT		3/20/2013 15:50	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15399	HBL120575	SSG	APPROVED_CERT		3/20/2013 15:58	mccabed	SR-W027-221H-HEPA	SS410			12/4/2012		12/4/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15400	HBL120587	SSG	APPROVED_CERT		3/20/2013 16:11	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012		12/18/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15401	HBL120588	SSG	APPROVED_CERT		3/20/2013 16:12	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012		12/18/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15402	HBL120589	SSG	APPROVED_CERT		3/20/2013 16:13	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012		12/18/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15403	HBL120590	SSG	APPROVED_CERT		3/20/2013 16:14	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012		12/18/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15404	HBL120591	SSG	APPROVED_CERT		3/20/2013 16:15	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012		12/18/2012			Added per CChancellor 032013		TRUE	FALSE	FALSE	NA				
15405	HBL120592	SWB	APPROVED_CERT		6/11/2013 8:59	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012	1/9/2013		1/9/2013		Added per CChancellor 032013; updated closuredate1 and ventdate1 per CChancellor 061113.		TRUE	FALSE	FALSE	NA				
15406	HBL120593	SWB	APPROVED_CERT		6/11/2013 8:59	mccabed	SR-W027-221H-HEPA	SS410			12/18/2012	1/9/2013		1/9/2013		Added per CChancellor 032013; updated closuredate1 and ventdate1 per CChancellor 061113.		TRUE	FALSE	FALSE	NA				
15407	HC020001	SSG	EMPLACED_CNTR	1/4/2012 13:25	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	SS410		0	3/7/2002		3/7/2002		8/30/2002			TRUE	TRUE	TRUE					
15408	HC020002	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	SS410		0	3/7/2002		3/7/2002		8/30/2002			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15409	HC020003	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/7/2002		3/7/2002		8/30/2002			TRUE		TRUE					
15410	HC020004	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/5/2002		3/5/2002		8/28/2002			TRUE		TRUE					
15411	HC020005	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410	V&P Vent	0	3/5/2002	3/5/2002	3/5/2002	4/9/2004	8/28/2002			TRUE		TRUE					
15412	HC020006	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/7/2002		3/7/2002		8/30/2002			TRUE		TRUE					
15413	HC020007	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/6/2002		3/6/2002		8/29/2002			TRUE		TRUE					
15414	HC020008	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/6/2002		3/6/2002		8/29/2002			TRUE		TRUE					
15415	HC020009	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/6/2002		3/6/2002		8/29/2002			TRUE		TRUE					
15416	HC020010	SWB	APPROVED_CERT		9/21/2011 14:12	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	3/7/2002	9/14/2011	3/7/2002	9/14/2011			- Rpkgd into HC020010A - Rpkgd into HC020010B - Rpkgd into HC020010C - Rpkgd was HC020010	TRUE	TRUE	TRUE			HC020010		Daughter
15417	HC020010A	SSG	EMPLACED_CNTR	11/4/2012 12:30	10/5/2011 13:11	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	9/14/2011	10/1/2011	9/14/2011	10/1/2011			- Rpkgd was HC020010	TRUE	TRUE	TRUE			HC020010		Daughter
15418	HC020010B	SSG	EMPLACED_CNTR	11/15/2012 14:02	10/5/2011 13:11	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	9/14/2011	10/1/2011	9/14/2011	10/1/2011			- Rpkgd into HC020011A	TRUE	TRUE	TRUE					
15419	HC020011	SWB	APPROVED_CERT		9/21/2011 14:14	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	3/13/2002	9/15/2011	3/13/2002	9/15/2011			- Rpkgd was HC020011 - Rpkgd into HC020011B	TRUE	TRUE	TRUE					
15420	HC020011A	SSG	EMPLACED_CNTR	1/4/2012 13:25	10/6/2011 15:04	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	9/15/2011	10/3/2011	9/15/2011	10/3/2011			- Rpkgd was HC020011A	TRUE	TRUE	TRUE			HC020011A	HC020011	Daughter
15421	HC020011B	SSG	EMPLACED_CNTR	1/4/2012 13:24	10/6/2011 15:04	mccabed	SR-W027-221M-HEPA	S5410	None	0	10/3/2011		10/3/2011					TRUE		TRUE					
15422	HC020014	SWB	EMPLACED_CNTR	9/25/2010 14:24	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/18/2002	4/12/2010	3/18/2002	4/12/2010	9/10/2002			TRUE		TRUE					
15423	HC020015	SWB	EMPLACED_CNTR	9/25/2010 14:24	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/18/2002	4/13/2010	3/18/2002	4/13/2010	9/10/2002			TRUE		TRUE					
15424	HC020016	SWB	EMPLACED_CNTR	10/17/2011 13:28	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/19/2002	4/14/2010	3/19/2002	4/14/2010	9/11/2002			TRUE	TRUE	TRUE					
15425	HC020017	SWB	EMPLACED_CNTR	9/25/2010 13:58	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410	Remediate	0	3/19/2002	4/15/2010	3/19/2002	4/15/2010	9/11/2002			TRUE		TRUE					
15426	HC020018	SWB	EMPLACED_CNTR	2/14/2011 19:31	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410	Remediate	0	3/20/2002	4/27/2010	3/20/2002	4/27/2010	9/12/2002			TRUE		TRUE					
15427	HC020019	SWB	EMPLACED_CNTR	11/11/2012 13:57	10/6/2011 15:35	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	3/26/2002	9/22/2011	3/26/2002	9/22/2011			- Rpkgd into HC020019A - Rpkgd into HC020019B - Rpkgd was HC020019	TRUE	TRUE	TRUE			HC020019		Daughter
15428	HC020019A	SSG	EMPLACED_CNTR	6/5/2012 10:58	10/6/2011 16:02	mccabed	SR-W027-221M-HEPA	S5410	Remediation	0	9/22/2011	10/4/2011	9/22/2011	10/4/2011			- Rpkgd was HC020015	TRUE	TRUE	TRUE			HC020019		Daughter
15429	HC020019B	SSG	APPROVED_CERT		4/19/2012 9:41	mccabed	SR-W027-221M-HEPA	S5410	None	0	9/22/2011	4/16/2012	9/22/2011	4/16/2012		221-F-55006 Tru Drum repacking		TRUE	TRUE	TRUE					
15430	HC020020	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/21/2002		3/21/2002		9/13/2002			TRUE		TRUE					
15431	HC020021	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	4/23/2002		4/23/2002		10/16/2002			TRUE		TRUE					
15432	HC020022	SSG	EMPLACED_CNTR	11/13/2009 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	4/23/2002		4/23/2002		10/16/2002			TRUE		TRUE					
15433	HCA050001	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/20/2003		5/20/2003		11/12/2003			TRUE	TRUE	TRUE					
15434	HCA050002	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/21/2003		5/21/2003		11/13/2003			TRUE	TRUE	TRUE					
15435	HCA050003	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/21/2003		5/21/2003		11/13/2003			TRUE	TRUE	TRUE					
15436	HCA050004	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/20/2003		5/20/2003		11/12/2003			TRUE	TRUE	TRUE					
15437	HCA060001	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/26/2006		9/26/2006		3/21/2007			TRUE	TRUE	TRUE					
15438	HCA060002	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/26/2006		9/26/2006		3/21/2007			TRUE	TRUE	TRUE					
15439	HCA060003	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/27/2006		9/27/2006		3/22/2007			TRUE	TRUE	TRUE					
15440	HCA060004	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/27/2006		9/27/2006		3/22/2007			TRUE	TRUE	TRUE					
15441	HCA060005	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/27/2006		9/27/2006		3/22/2007			TRUE	TRUE	TRUE					
15442	HCA060006	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	9/27/2006		9/27/2006		3/22/2007			TRUE	TRUE	TRUE					
15443	SR111803	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	10/9/1979						No Filter	TRUE	TRUE	TRUE					
15444	SR111804	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	10/24/1979						No Filter	TRUE	TRUE	TRUE					
15445	SR232661	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/13/1987						No Filter	TRUE	TRUE	TRUE					
15446	SR232662	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/13/1987						No Filter	TRUE	TRUE	TRUE					
15447	SR232663	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/13/1987						No Filter	TRUE	TRUE	TRUE					
15448	SR232716	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/5/1987						No Filter	TRUE	TRUE	TRUE					
15449	SR232717	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/5/1987						No Filter	TRUE	TRUE	TRUE					
15450	SR232718	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/5/1987						No Filter	TRUE	TRUE	TRUE					
15451	SR232729	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/15/1987						No Filter	TRUE	TRUE	TRUE					
15452	SR232730	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15453	SR232731	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15454	SR232732	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15455	SR232733	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15456	SR232734	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15457	SR232735	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	5/13/1987						No Filter	TRUE	TRUE	TRUE					
15458	SR233806	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	6/25/1987						No Filter	TRUE	TRUE	TRUE					
15459	SR233885	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	8/18/1987						No Filter	TRUE	TRUE	TRUE					
15460	SR233969	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	10/9/1987						No Filter	TRUE	TRUE	TRUE					
15461	SR244604	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/25/1988						No Filter	TRUE	TRUE	TRUE					
15462	SR244606	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/25/1988						No Filter	TRUE	TRUE	TRUE					
15463	SR244607	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/25/1988						No Filter	TRUE	TRUE	TRUE					
15464	SR244608	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/25/1988						No Filter	TRUE	TRUE	TRUE					
15465	SR244609	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/25/1988						No Filter	TRUE	TRUE	TRUE					
15466	SR244985	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	8/3/1989						No Filter	TRUE	TRUE	TRUE					
15467	SR244986	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	8/3/1989						No Filter	TRUE	TRUE	TRUE					
15468	SR281519	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	2/17/1989						No Filter	TRUE	TRUE	TRUE					
15469	SR281520	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	2/17/1989						No Filter	TRUE	TRUE	TRUE					
15470	SR281521	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	2/17/1989						No Filter	TRUE	TRUE	TRUE					
15471	SR281522	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	2/27/1989						No Filter	TRUE	TRUE	TRUE					
15472	SR281523	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	2/27/1989						No Filter	TRUE	TRUE	TRUE					
15473	SR281529	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/1/1989						No Filter	TRUE	TRUE	TRUE					
15474	SR281530	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	3/1/1989						No Filter	TRUE	TRUE	TRUE					
15475	SR281531	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	3/1/1989						No Filter	TRUE	TRUE	TRUE					
15476	SR281620	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	4/26/1989						No Filter	TRUE	TRUE	TRUE					
15477	SR281621	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	4/26/1989						No Filter	TRUE	TRUE	TRUE					
15478	SR314947	Poly Box			5/1/2012 16:46	mccabed	SR-W027-221M-HEPA	S5410		0	7/9/1991						No Filter; Changed WS per JHarrison email 022017	TRUE	FALSE	TRUE					
15479	SR314948	Poly Box			5/1/2012 16:47	mccabed	SR-W027-221M-HEPA	S5410		0	7/9/1991						No Filter; Changed WS per JHarrison email 022012	TRUE	FALSE	TRUE					
15480	SR314949	Poly Box			5/1/2012 16:48	mccabed	SR-W027-221M-HEPA	S5410		0	7/9/1991						No Filter; Changed WS per JHarrison email 022012	TRUE	FALSE	TRUE					
15481	SR316369	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	10/12/1989						No Filter	TRUE	TRUE	TRUE					
15482	SR316370	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	10/12/1989						No Filter	TRUE	TRUE	TRUE					
15483	SR500001B01	SWB	EMPLACED_CNTR	4/11/2011 13:28	4/28/2011 6:00	mccabed	SR-W027-221M-HEPA	S5410			3/28/1974	3/29/2011		3/29/2011			Rpkgd Was SR500018	TRUE	TRUE	TRUE			SR500018		Repack
15484	SR500031101	SWB	EMPLACED_CNTR	1/4/2012 10:21	4/28/2011 6:00	mccabed	SR-W027-221M-HEPA	S5410			3/28/1974	4/5/2011		4/5/2011			Rpkgd Was SR500031	TRUE	TRUE	TRUE			SR500031		Repack
15485	SR500210101	SWB	EMPLACED_CNTR	6/19/2012 10:37	5/2/2011 13:03	mccabed	SR-W027-221M-HEPA	S5410		0	4/7/2011		4/7/2011			NoVent	- Rpkgd was SR500310	TRUE	TRUE	TRUE			SR500310		Repack
15486	SR500311101	SWB	EMPLACED_CNTR	9/10/2011 10:28	5/2/2011 14:12	mccabed	SR-W027-221M-HEPA	S5410		0	4/8/2011		4/8/2011			NoVent	- Rpkgd was SR500311	TRUE	TRUE	TRUE			SR500111		Repack
15487	SR502532	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	6/28/1977						No Filter	TRUE	TRUE	TRUE					
15488	SR502533	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	6/28/1977						No Filter	TRUE	TRUE	TRUE					
15489	SR502535	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5430		0	6/28/1977						No Filter	TRUE	TRUE	TRUE					
15490	SR502537	Poly Box			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HEPA	S5410		0	6/28/1977						No Filter	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15491	SRS02590	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	6/24/1977					No Filter		TRUE	TRUE	TRUE					
15492	SRS02596	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	6/28/1977					No Filter		TRUE	TRUE	TRUE					
15493	SRS03517	SLB2	EMPLACED_CNTR	11/20/2012 13:30	6/23/2012 22:32	mccabed	SR-W027-221H-HEPA	S5410		0	4/9/2012		4/9/2012	6/11/2012		No Filter; SW15.3-SOP-CUL-01 SLB2 Loading Data; Filter reconfiguration date: 6/11/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
15494	SRS03518	SLB2	APPROVED_CERT		6/26/2012 15:24	mccabed	SR-W027-221H-HEPA	S5410		0	3/2/2012		3/2/2012	3/2/2012		SLB2 Loading Data Sheet SW15.3-SOP-CUL-01 filed on DIXON under SW15.3-SOP-SLB-02.		TRUE	TRUE	TRUE					
15495	SRS03576	SLB2	EMPLACED_CNTR	12/5/2012 13:19	6/23/2012 22:33	mccabed	SR-W027-221H-HEPA	S5410		0	4/9/2012		4/9/2012	6/11/2012		No Filter; SW15.3-SOP-CUL-01 SLB2 Loading Data; Filter reconfiguration date: 6/11/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
15496	SRS03584	SLB2	EMPLACED_CNTR	4/3/2013 15:15	10/4/2012 9:16	mccabed	SR-W027-221H-HEPA	S5410		0	3/19/2012		3/19/2012	3/19/2012		No Filter; Concrete Culvert container removal and loading		TRUE	TRUE	TRUE					
15497	SRS03586	SLB2	EMPLACED_CNTR	8/30/2013 14:08	10/4/2012 9:17	mccabed	SR-W027-221H-HEPA	S5410			3/14/2012		3/14/2012	9/26/2012		Generation date is 10/22/1976. Contains a prohibited amount of liquid; added per LWatson email 071112; Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013.		TRUE	FALSE	TRUE	NA				
15498	SRS03598	SLB2	EMPLACED_CNTR	7/26/2013 10:43	6/13/2012 16:09	mccabed	SR-W027-221H-HEPA	S5410		0	3/2/2012		3/2/2012	3/2/2012		SLB2 Loading Data Sheet SW15.3-SOP-CUL-01.		TRUE	TRUE	TRUE					
15499	SRS03600	SLB2	APPROVED_CERT		8/27/2012 18:19	mccabed	SR-W027-221H-HEPA	S5410		0	3/27/2012		3/27/2012	8/8/2012		SLB2 Loading Data Sheet SW15.3-SOP-SLB-02; Filter reconfiguration date: 8/8/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
15500	SRS04100	SLB2	EMPLACED_CNTR	7/14/2013 13:29	10/26/2012 12:47	mccabed	SR-W027-221H-HEPA	S5410			8/15/2012		8/15/2012	10/24/2012		Parent Generation Date: 1/29/2012; Filter Reconfiguration Date: 10/24/2012; Reduced Filter Model: NFT-013		TRUE	FALSE	TRUE	NA				
15501	SRS05113	SWB	EMPLACED_CNTR	5/1/2013 15:16	10/2/2012 14:45	mccabed	SR-W027-221H-HEPA	S5410		0	8/30/1977	8/8/2012	8/30/1977	8/8/2012		No Filter; SW15.3-SOP-CUL-01		TRUE	FALSE	TRUE					
15502	SRS05214	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/1/1977					No Filter		TRUE	TRUE	TRUE					
15503	SRS05225	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/27/1977					No Filter		TRUE	TRUE	TRUE					
15504	SRS05228	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/3/1977					No Filter		TRUE	TRUE	TRUE					
15505	SRS05230	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/3/1977					No Filter		TRUE	TRUE	TRUE					
15506	SRS05232	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/3/1977					No Filter		TRUE	TRUE	TRUE					
15507	SRS05233	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/3/1977					No Filter		TRUE	TRUE	TRUE					
15508	SRS05270	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	1/26/1978					No Filter		TRUE	TRUE	TRUE					
15509	SRS05271	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	1/31/1978					No Filter		TRUE	TRUE	TRUE					
15510	SRS05272	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	1/26/1978					No Filter		TRUE	TRUE	TRUE					
15511	SRS05274	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	1/26/1978					No Filter		TRUE	TRUE	TRUE					
15512	SRS05285	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/2/1978					No Filter		TRUE	TRUE	TRUE					
15513	SRS06319	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	8/10/1978					No Filter		TRUE	TRUE	TRUE					
15514	SRS06325	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15515	SRS06327	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15516	SRS06329	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15517	SRS06359	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/24/1978					No Filter		TRUE	TRUE	TRUE					
15518	SRS06360	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/24/1978					No Filter		TRUE	TRUE	TRUE					
15519	SRS06362	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/24/1978					No Filter		TRUE	TRUE	TRUE					
15520	SRS06390	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	1/16/1979					No Filter		TRUE	TRUE	TRUE					
15521	SRS06396	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/6/1979					No Filter		TRUE	TRUE	TRUE					
15522	SRS06397	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/6/1979					No Filter		TRUE	TRUE	TRUE					
15523	SRS07381	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	5/16/1978					No Filter		TRUE	TRUE	TRUE					
15524	SRS07383	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	5/16/1978					No Filter		TRUE	TRUE	TRUE					
15525	SRS07390	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15526	SRS09804	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	5/15/1979					No Filter		TRUE	TRUE	TRUE					
15527	SRS09817	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	6/12/1979					No Filter		TRUE	TRUE	TRUE					
15528	SRS09819	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	6/13/1979					No Filter		TRUE	TRUE	TRUE					
15529	SRS09821	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	6/12/1979					No Filter		TRUE	TRUE	TRUE					
15530	SRS09830	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	7/31/1979					No Filter		TRUE	TRUE	TRUE					
15531	SRS09887	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/27/1979					No Filter		TRUE	TRUE	TRUE					
15532	SRS09889	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/27/1979					No Filter		TRUE	TRUE	TRUE					
15533	SRS09891	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/27/1979					No Filter		TRUE	TRUE	TRUE					
15534	SRS09892	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	9/27/1979					No Filter		TRUE	TRUE	TRUE					
15535	SRS12308	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15536	SRS12310	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15537	SRS12312	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15538	SRS12317	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15539	SRS12318	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15540	SRS12320	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15541	SRS12321	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/12/1980					No Filter		TRUE	TRUE	TRUE					
15542	SRS12339	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/26/1980					No Filter		TRUE	TRUE	TRUE					
15543	SRS12342	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	3/13/1980					No Filter		TRUE	TRUE	TRUE					
15544	SRS12346	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/9/1979					No Filter		TRUE	TRUE	TRUE					
15545	SRS12352	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/16/1979					No Filter		TRUE	TRUE	TRUE					
15546	SRS12354	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/16/1979					No Filter		TRUE	TRUE	TRUE					
15547	SRS12365	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/30/1979					No Filter		TRUE	TRUE	TRUE					
15548	SRS12370	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	11/20/1979					No Filter		TRUE	TRUE	TRUE					
15549	SRS12380	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/26/1980					No Filter		TRUE	TRUE	TRUE					
15550	SRS12382	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	2/26/1980					No Filter		TRUE	TRUE	TRUE					
15551	SRS12392	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	3/13/1980					No Filter		TRUE	TRUE	TRUE					
15552	SRS13311	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15553	SRS13312	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15554	SRS13313	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15555	SRS13314	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15556	SRS13318	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15557	SRS13320	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	4/3/1980					No Filter		TRUE	TRUE	TRUE					
15558	SRS13370	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	7/1/1980					No Filter		TRUE	TRUE	TRUE					
15559	SRS13609	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/14/1980					No Filter		TRUE	TRUE	TRUE					
15560	SRS13610	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/14/1980					No Filter		TRUE	TRUE	TRUE					
15561	SRS13611	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/14/1980					No Filter		TRUE	TRUE	TRUE					
15562	SRS13612	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/14/1980					No Filter		TRUE	TRUE	TRUE					
15563	SRS14635	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	10/8/1981					No Filter		TRUE	TRUE	TRUE					
15564	SRS17039	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HEPA	S5410		0	12/22/1981					No Filter		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15565	SR517062	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/18/1982					No Filter		TRUE	TRUE	TRUE					
15566	SR517063	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/18/1982					No Filter		TRUE	TRUE	TRUE					
15567	SR517064	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/18/1982					No Filter		TRUE	TRUE	TRUE					
15568	SR517065	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/18/1982					No Filter		TRUE	TRUE	TRUE					
15569	SR517154	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/3/1981					No Filter		TRUE	TRUE	TRUE					
15570	SR517285	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15571	SR517286	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15572	SR517287	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15573	SR517288	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15574	SR517289	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15575	SR517290	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/24/1981					No Filter		TRUE	TRUE	TRUE					
15576	SR517362	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1981					No Filter		TRUE	TRUE	TRUE					
15577	SR517364	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1981					No Filter		TRUE	TRUE	TRUE					
15578	SR517365	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1981					No Filter		TRUE	TRUE	TRUE					
15579	SR517367	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1981					No Filter		TRUE	TRUE	TRUE					
15580	SR517511	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	12/23/1980					No Filter		TRUE	TRUE	TRUE					
15581	SR517512	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	12/23/1980					No Filter		TRUE	TRUE	TRUE					
15582	SR517522	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/27/1981					No Filter		TRUE	TRUE	TRUE					
15583	SR517523	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/27/1981					No Filter		TRUE	TRUE	TRUE					
15584	SR517524	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/27/1981					No Filter		TRUE	TRUE	TRUE					
15585	SR517525	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/27/1981					No Filter		TRUE	TRUE	TRUE					
15586	SR517526	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/27/1981					No Filter		TRUE	TRUE	TRUE					
15587	SR519875	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/2/1982					No Filter		TRUE	TRUE	TRUE					
15588	SR519876	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/2/1982					No Filter		TRUE	TRUE	TRUE					
15589	SR519877	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/2/1982					No Filter		TRUE	TRUE	TRUE					
15590	SR519878	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/2/1982					No Filter		TRUE	TRUE	TRUE					
15591	SR520610	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/10/1983					No Filter		TRUE	TRUE	TRUE					
15592	SR520611	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/10/1983					No Filter		TRUE	TRUE	TRUE					
15593	SR520613	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/10/1983					No Filter		TRUE	TRUE	TRUE					
15594	SR521387	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1983					No Filter		TRUE	TRUE	TRUE					
15595	SR521388	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1983					No Filter		TRUE	TRUE	TRUE					
15596	SR521389	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	9/15/1983					No Filter		TRUE	TRUE	TRUE					
15597	SR521301	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/29/1983					No Filter		TRUE	TRUE	TRUE					
15598	SR522381	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/29/1983					No Filter		TRUE	TRUE	TRUE					
15599	SR522383	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	11/29/1983					No Filter		TRUE	TRUE	TRUE					
15600	SR522589	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15601	SR522590	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15602	SR522591	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15603	SR522592	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15604	SR522593	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15605	SR522594	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/28/1984					No Filter		TRUE	TRUE	TRUE					
15606	SR526272	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/27/1985					No Filter		TRUE	TRUE	TRUE					
15607	SR526273	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/27/1985					No Filter		TRUE	TRUE	TRUE					
15608	SR526274	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/27/1985					No Filter		TRUE	TRUE	TRUE					
15609	SR545237	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	5/5/1967					No Filter		TRUE	TRUE	TRUE					
15610	SR545238	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	5/13/1967					No Filter		TRUE	TRUE	TRUE					
15611	SR545247	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/25/1967					No Filter		TRUE	TRUE	TRUE					
15612	SR545248	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	6/25/1967					No Filter		TRUE	TRUE	TRUE					
15613	SR545251	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	3/12/1967					No Filter		TRUE	TRUE	TRUE					
15614	SR545252	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	3/12/1967					No Filter		TRUE	TRUE	TRUE					
15615	SR545253	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	3/12/1967					No Filter		TRUE	TRUE	TRUE					
15616	SR545254	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	3/12/1967					No Filter		TRUE	TRUE	TRUE					
15617	SR545586	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	1/25/1988					No Filter		TRUE	TRUE	TRUE					
15618	SR545810	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/3/1988					No Filter		TRUE	TRUE	TRUE					
15619	SR545811	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/3/1988					No Filter		TRUE	TRUE	TRUE					
15620	SR545812	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/3/1988					No Filter		TRUE	TRUE	TRUE					
15621	SR545813	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/3/1988					No Filter		TRUE	TRUE	TRUE					
15622	SR545825	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	2/17/1989					No Filter		TRUE	TRUE	TRUE					
15623	SR545834	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/12/1989					No Filter		TRUE	TRUE	TRUE					
15624	SR545835	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/12/1989					No Filter		TRUE	TRUE	TRUE					
15625	SR545836	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/12/1989					No Filter		TRUE	TRUE	TRUE					
15626	SR545837	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/12/1989					No Filter		TRUE	TRUE	TRUE					
15627	SR545839	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/26/1989					No Filter		TRUE	TRUE	TRUE					
15628	SR545840	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	4/26/1989					No Filter		TRUE	TRUE	TRUE					
15629	SR545857	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	8/3/1989					No Filter		TRUE	TRUE	TRUE					
15630	SR545858	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	8/3/1989					No Filter		TRUE	TRUE	TRUE					
15631	SR545885	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/12/1989					No Filter		TRUE	TRUE	TRUE					
15632	SR545886	Poly Box			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HEPA	55410		0	10/12/1989					No Filter		TRUE	TRUE	TRUE					
15633	SR557491	Poly Box			5/1/2012 16:45	mccabed	SR-WQ27-221H-HEPA	55410		0	4/11/1991		4/11/1991			Changed WS per JHarrison email 022012										
15634	SR557524	Poly Box			5/1/2012 16:49	mccabed	SR-WQ27-221H-HEPA	55410		0	9/26/1991					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15635	SR557525	Poly Box			5/1/2012 16:49	mccabed	SR-WQ27-221H-HEPA	55410		0	9/26/1991					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15636	SR559660	Poly Box			5/1/2012 16:31	mccabed	SR-WQ27-221H-HEPA	55410		0	2/13/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15637	SR559661	Poly Box			5/1/2012 16:32	mccabed	SR-WQ27-221H-HEPA	55410		0	2/13/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15638	SR559662	Poly Box			5/1/2012 16:33	mccabed	SR-WQ27-221H-HEPA	55410		0	2/13/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15639	SR559663	Poly Box			5/1/2012 16:33	mccabed	SR-WQ27-221H-HEPA	55410		0	2/13/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15640	SR559664	Poly Box			5/1/2012 16:34	mccabed	SR-WQ27-221H-HEPA	55410		0	2/13/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15641	SR570522	Poly Box			5/1/2012 16:35	mccabed	SR-WQ27-221H-HEPA	55410		0	2/22/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					
15642	SR570523	Poly Box			5/1/2012 16:35	mccabed	SR-WQ27-221H-HEPA	55410		0	2/22/1990					No Filter; Changed WS per JHarrison email 022012		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15643	SR570524	Poly Box			5/1/2012 16:36	mccabed	SR-WD27-221H-HEPA	S5410		0	2/22/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15644	SR570526	Poly Box			5/1/2012 16:37	mccabed	SR-WD27-221H-HEPA	S5410		0	3/6/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15645	SR570540	Poly Box			5/1/2012 16:38	mccabed	SR-WD27-221H-HEPA	S5410		0	5/29/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15646	SR570541	Poly Box			5/1/2012 16:39	mccabed	SR-WD27-221H-HEPA	S5410		0	5/29/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15647	SR570542	Poly Box			5/1/2012 16:41	mccabed	SR-WD27-221H-HEPA	S5410		0	6/12/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15648	SR570543	Poly Box			5/1/2012 16:42	mccabed	SR-WD27-221H-HEPA	S5410		0	6/12/1990					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15649	SR570549	Poly Box			5/1/2012 16:43	mccabed	SR-WD27-221H-HEPA	S5410		0	2/25/1991					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15650	SR570550	Poly Box			5/1/2012 16:44	mccabed	SR-WD27-221H-HEPA	S5410		0	2/25/1991					No Filter; Changed WS per JHarrison email 022012.		TRUE	FALSE	TRUE					
15651	SR570551	Poly Box			5/1/2012 16:44	mccabed	SR-WD27-221H-HEPA	S5410		0	2/25/1991					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15652	SR570552	Poly Box			5/1/2012 16:45	mccabed	SR-WD27-221H-HEPA	S5410		0	2/25/1991					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15653	SR608839	Poly Box			5/1/2012 16:55	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15654	SR608840	Poly Box			5/1/2012 16:55	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15655	SR608841	Poly Box			5/1/2012 16:56	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15656	SR608842	Poly Box			5/1/2012 16:57	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15657	SR608843	Poly Box			5/1/2012 16:58	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15658	SR608844	Poly Box			5/1/2012 16:59	mccabed	SR-WD27-221H-HEPA	S5410		0	2/3/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15659	SR608845	Poly Box			5/1/2012 16:59	mccabed	SR-WD27-221H-HEPA	S5410		0	2/4/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15660	SR608846	Poly Box			5/1/2012 17:11	mccabed	SR-WD27-221H-HEPA	S5410		0	2/4/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15661	SR608847	Poly Box			5/1/2012 17:12	mccabed	SR-WD27-221H-HEPA	S5410		0	2/4/1995					No Filter; added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15662	SR608848	Poly Box			5/1/2012 17:13	mccabed	SR-WD27-221H-HEPA	S5410		0	2/4/1995					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15663	SR610140	Poly Box			5/1/2012 18:37	mccabed	SR-WD27-221H-HEPA	S5410		0	8/20/1997		8/20/1997			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15664	SR610141	Poly Box			5/1/2012 18:25	mccabed	SR-WD27-221H-HEPA	S5410		0	3/24/1997		3/24/1997			WS changed per JHarrison email 022012		TRUE	FALSE	TRUE					
15665	SR610142	Poly Box			5/1/2012 18:26	mccabed	SR-WD27-221H-HEPA	S5410		0	3/24/1997		3/24/1997			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15666	SR610143	Poly Box			5/1/2012 18:26	mccabed	SR-WD27-221H-HEPA	S5410		0	3/24/1997		3/24/1997			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15667	SR610144	Poly Box			5/1/2012 18:37	mccabed	SR-WD27-221H-HEPA	S5410		0	8/27/1997		8/27/1997			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15668	SR610145	Poly Box			5/1/2012 18:27	mccabed	SR-WD27-221H-HEPA	S5410		0	3/28/1997		3/28/1997			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15669	SR610146	Poly Box			5/1/2012 18:28	mccabed	SR-WD27-221H-HEPA	S5410		0	3/28/1997		3/28/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15670	SR610147	Poly Box			5/1/2012 18:29	mccabed	SR-WD27-221H-HEPA	S5410		0	3/28/1997		3/28/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15671	SR610173	Poly Box			5/1/2012 16:50	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15672	SR610179	Poly Box			5/1/2012 16:51	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15673	SR610180	Poly Box			5/1/2012 16:51	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15674	SR610183	Poly Box			5/1/2012 16:52	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15675	SR610184	Poly Box			5/1/2012 16:53	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15676	SR610185	Poly Box			5/1/2012 16:54	mccabed	SR-WD27-221H-HEPA	S5410		0	11/11/1992					No Filter; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15677	SR610460	Poly Box			5/1/2012 17:14	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15678	SR610461	Poly Box			5/1/2012 17:15	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15679	SR610462	Poly Box			5/1/2012 17:15	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			added container type per M Doherty 012909; WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15680	SR610463	Poly Box			5/1/2012 18:14	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15681	SR610464	Poly Box			5/1/2012 18:24	mccabed	SR-WD27-221H-HEPA	S5410		0	11/4/1996		11/4/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15682	SR610465	Poly Box			5/1/2012 18:19	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15683	SR610466	Poly Box			5/1/2012 18:25	mccabed	SR-WD27-221H-HEPA	S5410		0	11/4/1996		11/4/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15684	SR610467	Poly Box			5/1/2012 18:19	mccabed	SR-WD27-221H-HEPA	S5410		0	8/28/1996		8/28/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15685	SR610489	Poly Box			5/1/2012 18:20	mccabed	SR-WD27-221H-HEPA	S5410		0	9/3/1996		9/3/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15686	SR610490	Poly Box			5/1/2012 18:23	mccabed	SR-WD27-221H-HEPA	S5410		0	9/3/1996		9/3/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15687	SR610491	Poly Box			5/1/2012 18:23	mccabed	SR-WD27-221H-HEPA	S5410		0	9/3/1996		9/3/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15688	SR610492	Poly Box			5/1/2012 18:24	mccabed	SR-WD27-221H-HEPA	S5410		0	9/3/1996		9/3/1996			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15689	SR611053	Poly Box			5/1/2012 18:32	mccabed	SR-WD27-221H-HEPA	S5410		0	8/12/1997		8/12/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15690	SR611054	Poly Box			5/1/2012 18:34	mccabed	SR-WD27-221H-HEPA	S5410		0	8/12/1997		8/12/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15691	SR611055	Poly Box			5/1/2012 18:36	mccabed	SR-WD27-221H-HEPA	S5410		0	8/14/1997		8/14/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15692	SR611056	Poly Box			5/1/2012 18:36	mccabed	SR-WD27-221H-HEPA	S5410		0	8/14/1997		8/14/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15693	SR611057	Poly Box			5/1/2012 18:35	mccabed	SR-WD27-221H-HEPA	S5410		0	8/12/1997		8/12/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15694	SR611058	Poly Box			5/1/2012 18:29	mccabed	SR-WD27-221H-HEPA	S5410		0	8/7/1997		8/7/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15695	SR611059	Poly Box			5/1/2012 18:35	mccabed	SR-WD27-221H-HEPA	S5410		0	8/12/1997		8/12/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					
15696	SR611060	Poly Box			5/1/2012 18:32	mccabed	SR-WD27-221H-HEPA	S5410		0	8/7/1997		8/7/1997			WS changed per JHarrison email 022012.		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15687	SR85557	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	1/16/1979					No Filter		TRUE	TRUE	TRUE					
15688	SR85566	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	1/16/1979					No Filter		TRUE	TRUE	TRUE					
15689	SR85567	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/10/1979					No Filter		TRUE	TRUE	TRUE					
15700	SR85568	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/10/1979					No Filter		TRUE	TRUE	TRUE					
15701	SR85570	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/10/1979					No Filter		TRUE	TRUE	TRUE					
15702	SR85571	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/10/1979					No Filter		TRUE	TRUE	TRUE					
15703	SR85574	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	9/27/1979					No Filter		TRUE	TRUE	TRUE					
15704	SR95006	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15705	SR95007	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	8/24/1978					No Filter		TRUE	TRUE	TRUE					
15706	SR95008	Poly Box			4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	8/10/1978					No Filter		TRUE	TRUE	TRUE					
15707	SWB0034	SWB	EMPLACED_CNTR	11/5/2009 21:39	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/3/2006		11/3/2006		4/28/2007			TRUE		TRUE					
15708	SWB0045	SWB	EMPLACED_CNTR	9/13/2010 21:39	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	12/5/2006		12/5/2006		5/30/2007			TRUE		TRUE					
15709	SWB0107	SWB	EMPLACED_CNTR	11/5/2009 22:01	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/14/2006		11/14/2006		5/9/2007			TRUE		TRUE					
15710	SWB0108	SWB	EMPLACED_CNTR	11/25/2009 10:18	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/14/2006		11/14/2006		5/9/2007			TRUE		TRUE					
15711	SWB0109	SWB	EMPLACED_CNTR	11/20/2009 10:25	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/14/2006		11/14/2006		5/9/2007			TRUE		TRUE					
15712	SWB0110	SWB	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/14/2006		11/14/2006		5/9/2007			TRUE	TRUE	TRUE					
15713	SWB0111	SWB	EMPLACED_CNTR	11/1/2009 8:57	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/29/2006		11/29/2006		5/24/2007			TRUE		TRUE					
15714	SWB0114	SWB	EMPLACED_CNTR	1/17/2010 21:38	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/29/2006		11/29/2006		5/24/2007			TRUE		TRUE					
15715	SWB0115	SWB	EMPLACED_CNTR	2/14/2011 19:14	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410	Remediate	0	11/29/2006	12/28/2009	11/29/2006	12/28/2009	5/24/2007			TRUE		TRUE					
15716	SWB0118	SWB	EMPLACED_CNTR	11/5/2009 21:46	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/15/2006		11/15/2006		5/10/2007			TRUE		TRUE					
15717	SWB0119	SWB	EMPLACED_CNTR	10/31/2009 13:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/15/2006		11/15/2006		5/10/2007			TRUE		TRUE					
15718	SWB0158	SWB	EMPLACED_CNTR	10/29/2009 23:13	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	12/6/2006		12/6/2006		5/31/2007			TRUE		TRUE					
15719	WMAPSLB050	SLB2	APPROVED_CERT		10/15/2012 16:41	mccabed	SR-WQ27-221M-HEPA	S5410		0	8/9/2012		8/9/2012	10/8/2012		Inner container is SR502100. Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013	Rplgd was SR502100	TRUE	TRUE	TRUE			SR502100		NA
15720	WMAPSLB055	SLB2			9/4/2013 20:55	mccabed	SR-WQ27-221M-HEPA	S5410		0	8/28/2013		8/28/2013			Pw Harrison 090413	Rplgd was SR523315 - Rplgd was SR523335A Rplgd was SR523335B	TRUE	TRUE	TRUE			SR523358	SR523335A	Repacs
15721	WMAPSWB005	SWB	EMPLACED_CNTR	11/5/2009 22:25	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	10/29/2007		10/29/2007		4/22/2008			TRUE		TRUE					
15722	WMAPSWB026	SWB	EMPLACED_CNTR	11/4/2009 18:44	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	11/5/2007		11/5/2007		4/29/2008			TRUE		TRUE					
15723	WMAPSWB028	SWB	EMPLACED_CNTR	11/8/2009 10:07	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	10/29/2007		10/29/2007		4/22/2008			TRUE		TRUE					
15724	WMAPSWB071	SWB	EMPLACED_CNTR	1/25/2010 21:09	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/2/2009		2/2/2009		7/28/2009			TRUE		TRUE					
15725	WMAPSWB072	SWB	EMPLACED_CNTR	11/7/2009 14:18	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/2/2009		2/2/2009		7/28/2009			TRUE		TRUE					
15726	WMAPSWB074	SWB	EMPLACED_CNTR	11/25/2009 10:12	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	1/6/2009		1/6/2009		7/1/2009			TRUE		TRUE					
15727	WMAPSWB075	SWB	EMPLACED_CNTR	11/7/2009 14:17	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	1/6/2009		1/6/2009		7/1/2009			TRUE		TRUE					
15728	WMAPSWB078	SWB	EMPLACED_CNTR	1/25/2010 23:10	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	1/29/2009		1/29/2009		7/24/2009			TRUE		TRUE					
15729	WMAPSWB079	SWB	EMPLACED_CNTR	3/23/2010 19:26	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/3/2009		2/3/2009		7/29/2009			TRUE		TRUE					
15730	WMAPSWB080	SWB	EMPLACED_CNTR	11/4/2009 18:46	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/3/2009		2/3/2009		7/29/2009			TRUE		TRUE					
15731	WMAPSWB081	SWB	EMPLACED_CNTR	1/26/2010 22:58	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/3/2009		2/3/2009		7/29/2009			TRUE		TRUE					
15732	WMAPSWB086	SWB	EMPLACED_CNTR	11/15/2009 14:26	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/6/2009		2/6/2009		8/1/2009			TRUE		TRUE					
15733	WMAPSWB098	SWB	EMPLACED_CNTR	11/5/2009 18:48	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/9/2009		2/9/2009		8/4/2009			TRUE		TRUE					
15734	WMAPSWB103	SWB	EMPLACED_CNTR	11/1/2009 10:52	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/10/2009		2/10/2009		8/5/2009			TRUE		TRUE					
15735	WMAPSWB104	SWB	EMPLACED_CNTR	11/25/2009 8:38	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/10/2009		2/10/2009		8/5/2009			TRUE		TRUE					
15736	WMAPSWB110	SWB	EMPLACED_CNTR	1/29/2010 14:30	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/16/2009		2/16/2009		8/11/2009			TRUE		TRUE					
15737	WMAPSWB111	SWB	EMPLACED_CNTR	1/27/2010 19:41	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/16/2009		2/16/2009		8/11/2009			TRUE		TRUE					
15738	WMAPSWB112	SWB	EMPLACED_CNTR	2/15/2011 19:54	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/17/2009		2/17/2009		8/12/2009			TRUE		TRUE					
15739	WMAPSWB114	SWB	EMPLACED_CNTR	2/14/2011 19:20	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/17/2009		2/17/2009		8/12/2009			TRUE		TRUE					
15740	WMAPSWB124	SWB	EMPLACED_CNTR	1/24/2010 13:27	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/20/2009		2/20/2009		8/15/2009			TRUE		TRUE					
15741	WMAPSWB128	SWB	EMPLACED_CNTR	11/15/2009 11:05	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	2/25/2009		2/25/2009		8/20/2009			TRUE		TRUE					
15742	WMAPSWB141	SWB	EMPLACED_CNTR	11/21/2009 10:00	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	3/10/2009		3/10/2009		9/2/2009			TRUE		TRUE					
15743	WMAPSWB142	SWB	EMPLACED_CNTR	11/17/2009 19:55	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	3/10/2009		3/10/2009		9/2/2009			TRUE		TRUE					
15744	WMAPSWB143	SWB	EMPLACED_CNTR	11/15/2009 14:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	3/31/2009		3/31/2009		9/23/2009			TRUE		TRUE					
15745	WMAPSWB144	SWB	EMPLACED_CNTR	1/25/2010 22:46	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	3/31/2009		3/31/2009		9/23/2009			TRUE		TRUE					
15746	WMAPSWB147	SWB	EMPLACED_CNTR	1/25/2010 23:05	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/3/2009		4/3/2009		9/26/2009			TRUE		TRUE					
15747	WMAPSWB166	SWB	EMPLACED_CNTR	3/23/2010 19:11	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009			TRUE		TRUE					
15748	WMAPSWB169	SWB	EMPLACED_CNTR	1/30/2010 14:10	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009			TRUE		TRUE					
15749	WMAPSWB180	SWB	EMPLACED_CNTR	1/26/2010 13:28	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/16/2009		4/16/2009		10/9/2009			TRUE		TRUE					
15750	WMAPSWB183	SWB	EMPLACED_CNTR	11/17/2009 20:01	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/21/2009		4/21/2009		10/14/2009			TRUE		TRUE					
15751	WMAPSWB184	SWB	EMPLACED_CNTR	11/5/2009 18:48	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/21/2009		4/21/2009		10/14/2009			TRUE		TRUE					
15752	WMAPSWB185	SWB	EMPLACED_CNTR	10/29/2009 19:02	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/21/2009		4/21/2009		10/14/2009			TRUE		TRUE					
15753	WMAPSWB190	SWB	EMPLACED_CNTR	5/1/2013 15:16	10/17/2012 8:47	mccabed	SR-WQ27-221M-HEPA	S5410		0	4/22/2009	8/6/2012	4/22/2009	8/6/2012		221-F-55078 Tru Waste Container Remediation	#NAME?	TRUE	TRUE	TRUE					
15754	WMAPSWB197	SWB	EMPLACED_CNTR	11/1/2009 9:03	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/24/2009		4/24/2009		10/17/2009			TRUE		TRUE					
15755	WMAPSWB199	SWB	EMPLACED_CNTR	11/21/2009 10:30	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE		TRUE					
15756	WMAPSWB200	SWB	EMPLACED_CNTR	11/17/2009 19:55	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/24/2009		4/24/2009		10/17/2009			TRUE		TRUE					
15757	WMAPSWB203	SWB	EMPLACED_CNTR	11/5/2009 22:21	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/27/2009		4/27/2009		10/20/2009			TRUE		TRUE					
15758	WMAPSWB204	SWB	EMPLACED_CNTR	4/12/2012 15:08	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/27/2009		4/27/2009		10/20/2009			TRUE	TRUE	TRUE					
15759	WMAPSWB205	SWB	EMPLACED_CNTR	11/6/2009 10:05	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	4/27/2009		4/27/2009		10/20/2009			TRUE		TRUE					
15760	WMAPSWB207	SWB	EMPLACED_CNTR	9/30/2011 12:50	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE	TRUE	TRUE					
15761	WMAPSWB214	SWB	EMPLACED_CNTR	11/8/2009 10:05	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/1/2009		5/1/2009		10/24/2009			TRUE		TRUE					
15762	WMAPSWB215	SWB	EMPLACED_CNTR	1/24/2010 9:17	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/6/2009		5/6/2009		10/29/2009			TRUE		TRUE					
15763	WMAPSWB218	SWB	EMPLACED_CNTR	11/21/2009 10:00	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/6/2009		5/6/2009		10/29/2009			TRUE		TRUE					
15764	WMAPSWB219	SWB	EMPLACED_CNTR	11/5/2009 18:43	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/6/2009		5/6/2009		10/29/2009			TRUE		TRUE					
15765	WMAPSWB220	SWB	EMPLACED_CNTR	10/31/2009 14:41	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/6/2009		5/6/2009		10/29/2009			TRUE		TRUE					
15766	WMAPSWB222	SWB	EMPLACED_CNTR	11/15/2009 14:18	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/7/2009		5/7/2009		10/30/2009			TRUE		TRUE					
15767	WMAPSWB223	SWB	EMPLACED_CNTR	11/17/2009 19:58	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/7/2009		5/7/2009		10/30/2009			TRUE		TRUE					
15768	WMAPSWB224	SWB	EMPLACED_CNTR	11/25/2009 10:13	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/8/2009		5/8/2009		10/31/2009			TRUE		TRUE					
15769	WMAPSWB227	SWB	EMPLACED_CNTR	11/13/2009 23:10	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/8/2009		5/8/2009		10/31/2009			TRUE		TRUE					
15770	WMAPSWB228	SWB	EMPLACED_CNTR	11/1/2009 10:13	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/8/2009		5/8/2009		10/31/2009			TRUE		TRUE					
15771	WMAPSWB229	SWB	EMPLACED_CNTR	11/1/2009 11:09	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE		TRUE					
15772	WMAPSWB230	SWB	EMPLACED_CNTR	10/31/2009 13:41	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE		TRUE					
15773	WMAPSWB231	SWB	EMPLACED_CNTR	11/4/2009 18:47	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE		TRUE					
15774	WMAPSWB232	SWB	EMPLACED_CNTR	4/12/2012 15:08	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE	TRUE	TRUE					
15775	WMAPSWB233	SWB	EMPLACED_CNTR	9/12/2010 14:02	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE		TRUE					
15776	WMAPSWB234	SWB	EMPLACED_CNTR	9/15/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/13/2009		5/13/2009		11/5/2009			TRUE		TRUE					
15777	WMAPSWB235	SWB	EMPLACED_CNTR	11/13/2009 10:57	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/13/2009		5/13/2009		11/5/2009			TRUE		TRUE					
15778	WMAPSWB236	SWB	EMPLACED_CNTR	11/5/2009 22:20	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/13/2009		5/13/2009		11/5/2009			TRUE		TRUE					
15779	WMAPSWB237	SWB	EMPLACED_CNTR	11/1/2009 10:35	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/13/2009		5/13/2009		11/5/2009			TRUE		TRUE					
15780	WMAPSWB238	SWB	EMPLACED_CNTR	11/21/2009 10:30	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/13/2009		5/13/2009		11/5/2009			TRUE		TRUE					
15781	WMAPSWB248	SWB	EMPLACED_CNTR	9/15/2010 18:43	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HEPA	S5410		0	5/12/2009		5/12/2009		11/4/2009			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15782	WMAPSWB249	SWB	EMPLACED_CNTR	11/5/2009 22:25	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15783	WMAPSWB250	SWB	EMPLACED_CNTR	11/1/2009 9:13	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15784	WMAPSWB251	SWB	EMPLACED_CNTR	11/15/2009 14:18	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15785	WMAPSWB252	SWB	EMPLACED_CNTR	11/8/2009 10:07	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15786	WMAPSWB253	SWB	EMPLACED_CNTR	2/16/2011 19:31	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15787	WMAPSWB254	SWB	EMPLACED_CNTR	11/18/2009 19:51	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/20/2009		5/20/2009		11/12/2009			TRUE		TRUE					
15788	WMAPSWB255	SWB	EMPLACED_CNTR	9/13/2010 21:39	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/21/2009		5/21/2009		11/13/2009			TRUE		TRUE					
15789	WMAPSWB256	SWB	EMPLACED_CNTR	11/4/2009 22:21	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/27/2009		5/27/2009		11/19/2009			TRUE		TRUE					
15790	WMAPSWB258	SWB	EMPLACED_CNTR	11/5/2009 12:01	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/27/2009		5/27/2009		11/19/2009			TRUE		TRUE					
15791	WMAPSWB259	SWB	EMPLACED_CNTR	9/10/2011 12:50	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/27/2009		5/27/2009		11/19/2009			TRUE	TRUE	TRUE					
15792	WMAPSWB260	SWB	APPROVED_CERT		8/27/2012 18:03	mccabed	SR-W027-221H-HEPA	S5410		0	6/5/2009	8/16/2012	6/5/2009	8/16/2012		221-F-55078		TRUE	TRUE	TRUE					
15793	WMAPSWB261	SWB	EMPLACED_CNTR	1/30/2010 10:25	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/5/2009		6/5/2009		11/28/2009			TRUE		TRUE					
15794	WMAPSWB262	SWB	EMPLACED_CNTR	10/31/2009 14:41	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/5/2009		6/5/2009		11/28/2009			TRUE		TRUE					
15795	WMAPSWB267	SWB	EMPLACED_CNTR	11/4/2009 22:19	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/8/2009		6/8/2009		12/1/2009			TRUE		TRUE					
15796	WMAPSWB270	SWB	EMPLACED_CNTR	10/29/2009 23:13	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/8/2009		6/8/2009		12/1/2009			TRUE		TRUE					
15797	WMAPSWB271	SWB	EMPLACED_CNTR	11/18/2009 19:57	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/10/2009		6/10/2009		12/3/2009			TRUE		TRUE					
15798	WMAPSWB273	SWB	EMPLACED_CNTR	11/1/2009 10:53	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/10/2009		6/10/2009		12/3/2009			TRUE		TRUE					
15799	WMAPSWB274	SWB	EMPLACED_CNTR	11/18/2009 19:51	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/10/2009		6/10/2009		12/3/2009			TRUE		TRUE					
15800	WMAPSWB275	SWB	EMPLACED_CNTR	11/18/2009 19:59	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	5/28/2009		5/28/2009		11/20/2009			TRUE		TRUE					
15801	WMAPSWB276	SWB	EMPLACED_CNTR	11/13/2009 13:33	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/1/2009		6/1/2009		11/24/2009			TRUE		TRUE					
15802	WMAPSWB277	SWB	EMPLACED_CNTR	9/14/2011 19:31	6/28/2011 18:26	mccabed	SR-W027-221H-HEPA	S5410			6/1/2009		6/1/2008					TRUE	FALSE	TRUE					
15803	WMAPSWB278	SWB	EMPLACED_CNTR	10/31/2009 14:32	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/1/2009		6/1/2009		11/24/2009			TRUE		TRUE					
15804	WMAPSWB280	SWB	EMPLACED_CNTR	11/15/2009 14:24	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/2/2009		6/2/2009		11/25/2009			TRUE		TRUE					
15805	WMAPSWB286	SWB	EMPLACED_CNTR	9/12/2010 14:03	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/12/2009		6/12/2008		12/5/2009			TRUE		TRUE					
15806	WMAPSWB288	SWB	EMPLACED_CNTR	11/4/2009 18:44	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HEPA	S5410		0	6/12/2009		6/12/2009		12/5/2009			TRUE		TRUE					
15807	WMAPSWB439	SWB	EMPLACED_CNTR	4/13/2012 15:18	1/5/2012 18:44	mccabed	SR-W027-221H-HEPA	S5410	None	0	10/8/1981	12/29/2011		12/29/2011		Overpacked--inner container is SR514634.	- Rpkgd was SR514634	TRUE	TRUE	TRUE			SR514634		Repack
15808	WMAPSWB441	SWB	EMPLACED_CNTR	10/24/2012 9:34	1/5/2012 18:46	mccabed	SR-W027-221H-HEPA	S5410	None	0	9/13/1980	12/19/2011		12/19/2011		Overpacked--inner container is SR513795.	- Rpkgd was SR513795	TRUE	TRUE	TRUE			SR513795		Repack
15809	WMAPSWB442	SWB	EMPLACED_CNTR	4/8/2012 14:32	1/5/2012 19:53	mccabed	SR-W027-221H-HEPA	S5410	None	0	12/23/1980	12/20/2011		12/20/2011		Overpacked--inner container is SR517513	Overpacked into WMAPSWB443 - Rpkgd was SR517513	TRUE	TRUE	TRUE			SR517513		Repack
15810	WMAPSWB443	SWB	EMPLACED_CNTR	11/11/2012 13:57	1/5/2012 19:51	mccabed	SR-W027-221H-HEPA	S5410	None	0	12/23/1980	12/20/2011		12/20/2011		Overpacked--inner container is SR517510.	- Rpkgd was SR517510	TRUE	TRUE	TRUE			SR517510		Repack
15811	WMAPSWB444	SWB	EMPLACED_CNTR	4/8/2012 14:32	1/5/2012 18:45	mccabed	SR-W027-221H-HEPA	S5410	None	0	9/15/1981	12/28/2011		12/28/2011		Overpacked--inner container is SR517361.	- Rpkgd was SR517361	TRUE	TRUE	TRUE			SR517361		Repack
15812	WMAPSWB451	SWB	EMPLACED_CNTR	5/24/2012 13:28	1/12/2012 15:40	mccabed	SR-W027-221H-HEPA	S5410		0	5/15/1979	1/12/2012		1/12/2012			- Rpkgd was SR509805 (overpacked into SWB)	TRUE	TRUE	TRUE			SR509805		Repack
15813	WMAPSWB453	SWB	APPROVED_CERT		1/19/2012 9:53	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/12/1980	1/17/2012		1/17/2012		Overpacked--inner container is SR512306.	- Rpkgd was SR512306	TRUE	TRUE	TRUE			SR512306		Repack
15814	WMAPSWB454	SWB	EMPLACED_CNTR	5/1/2013 15:16	6/7/2012 16:22	mccabed	SR-W027-221H-HEPA	S5410			1/16/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612.	Original Number is HC990001	TRUE	FALSE	TRUE	NA		SR517527		Repack
15815	WMAPSWB455	SWB	APPROVED_CERT		1/23/2012 16:44	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/4/1982	1/24/2012		1/24/2012		Overpacked--inner container is SR517057	- Rpkgd was SR517057	TRUE	TRUE	TRUE			SR517057		Repack
15816	WMAPSWB456	SWB	EMPLACED_CNTR	5/20/2012 14:02	1/23/2012 16:19	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/4/1982	1/20/2012		1/20/2012		Overpacked--inner container is SR517058	- Rpkgd was SR517058	TRUE	TRUE	TRUE			SR517058		Repack
15817	WMAPSWB457	SWB	EMPLACED_CNTR	5/24/2012 10:44	1/25/2012 16:24	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/4/1982	1/24/2012		1/24/2012		Overpacked--inner container is SR517059	- Rpkgd was SR517059	TRUE	TRUE	TRUE			SR517059		Repack
15818	WMAPSWB458	SWB	EMPLACED_CNTR	5/20/2012 10:21	1/25/2012 16:46	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/4/1982	1/24/2012		1/24/2012		Overpacked--inner container is SR517060	- Rpkgd was SR517060	TRUE	TRUE	TRUE			SR517060		Repack
15819	WMAPSWB459	SWB	EMPLACED_CNTR	11/4/2012 9:56	1/23/2012 16:18	mccabed	SR-W027-221H-HEPA	S5410	None	0	7/1/1982	1/20/2012		1/20/2012		Overpacked--inner container is SR518348	- Rpkgd was SR518348	TRUE	TRUE	TRUE			SR518348		Repack
15820	WMAPSWB460	SWB	EMPLACED_CNTR	5/15/2012 15:08	1/23/2012 17:09	mccabed	SR-W027-221H-HEPA	S5410	None	0	7/1/1982	1/20/2012		1/20/2012		Overpacked--inner container is SR518349.	- Rpkgd was SR518349	TRUE	TRUE	TRUE			SR518349		Repack
15821	WMAPSWB461	SWB	EMPLACED_CNTR	5/15/2012 15:08	1/25/2012 16:48	mccabed	SR-W027-221H-HEPA	S5410	None	0	5/25/1982	1/24/2012		1/24/2012		Overpacked--inner container is SR518350	- Rpkgd was SR518350	TRUE	TRUE	TRUE			SR518350		Repack
15822	WMAPSWB462	SWB	EMPLACED_CNTR	5/20/2012 10:17	1/25/2012 16:50	mccabed	SR-W027-221H-HEPA	S5410	None	0	5/25/1982	1/24/2012		1/24/2012		Overpacked--inner container is SR518351	- Rpkgd was SR518351	TRUE	TRUE	TRUE			SR518351		Repack
15823	WMAPSWB463	SWB	EMPLACED_CNTR	5/1/2012 14:15	1/11/2012 13:21	mccabed	SR-W027-221H-HEPA	S5410	Vent	0	11/29/1983	1/5/2012		1/5/2012			- Rpkgd was SR522384 (polybox overpacked into SWB)	TRUE	TRUE	TRUE			SR522384		Repack
15824	WMAPSWB464	SWB	EMPLACED_CNTR	5/1/2012 14:13	1/11/2012 13:19	mccabed	SR-W027-221H-HEPA	S5410		0	2/14/1984	1/9/2012		1/9/2012			- Rpkgd was SR522534 (polybox overpacked into SWB)	TRUE	TRUE	TRUE			SR522534		Repack
15825	WMAPSWB465	SWB	EMPLACED_CNTR	4/22/2012 9:34	1/11/2012 13:18	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/14/1984	1/5/2012		1/5/2011			- Rpkgd was SR522535 (polybox overpacked into SWB)	TRUE	TRUE	TRUE			SR522535		Repack
15826	WMAPSWB466	SWB	EMPLACED_CNTR	11/28/2012 10:54	1/11/2012 13:23	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/14/1984	1/9/2012		1/9/2012			- Rpkgd was SR522536 (polybox overpacked into SWB)	TRUE	TRUE	TRUE			SR522536		Repack
15827	WMAPSWB467	SWB	EMPLACED_CNTR	5/31/2012 9:56	1/27/2012 16:52	mccabed	SR-W027-221H-HEPA	S5410	None	0	2/14/1984	1/25/2012		1/25/2012		Overpacked--inner container is SR522533	- Rpkgd was SR522533	TRUE	TRUE	TRUE			SR522533		Repack
15828	WMAPSWB468	SWB	EMPLACED_CNTR	4/17/2013 15:24	1/27/2012 16:58	mccabed	SR-W027-221H-HEPA	S5410	None	0	6/27/1985	1/25/2012		1/25/2012		Overpacked--inner container is SR526271	- Rpkgd was SR526271	TRUE	TRUE	TRUE			SR526271		Repack
15829	WMAPSWB469	SWB	EMPLACED_CNTR	5/24/2012 10:46	1/19/2012 9:55	mccabed	SR-W027-221H-HEPA	S5410	None	0	6/25/1967	1/17/2012		1/17/2012		Overpacked--inner container is SR545249.	- Rpkgd was SR545249	TRUE	TRUE	TRUE			SR545249		Repack
15830	WMAPSWB470	SWB	EMPLACED_CNTR	5/15/2012 15:08	1/19/2012 9:57	mccabed	SR-W027-221H-HEPA	S5410	None	0	3/25/1988	1/17/2012		1/17/2012		Overpacked--inner container is SR545584.	- Rpkgd was SR545584	TRUE	TRUE	TRUE			SR545584		Repack
15831	WMAPSWB471	SWB	EMPLACED_CNTR	4/25/2013 15:31	1/19/2012 10:07	mccabed	SR-W027-221H-HEPA	S5410	None	0	3/25/1988	1/17/2012		1/17/2012		Overpacked--inner container is SR545585.	- Rpkgd was SR545585	TRUE	TRUE	TRUE			SR545585		Repack
15832	WMAPSWB475	SWB	EMPLACED_CNTR	1/8/2013 13:53	5/1/2012 16:37	mccabed	SR-W027-221H-HEPA	S5410	None		3/6/1990	2/6/2012		2/6/2012		Overpacked--inner container is SR570525	- Rpkgd was SR570525	TRUE	FALSE	TRUE			SR570525		Repack
15833	WMAPSWB477	SWB	APPROVED_CERT		6/7/2012 16:25	mccabed	SR-W027-221H-HEPA	S5410			1/16/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990001		TRUE	FALSE	TRUE	NA				
15834	WMAPSWB478	SWB	APPROVED_CERT		6/7/2012 16:27	mccabed	SR-W027-221H-HEPA	S5410			1/16/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990002		TRUE	FALSE	TRUE	NA				
15835	WMAPSWB479	SWB	APPROVED_CERT		6/7/2012 16:28	mccabed	SR-W027-221H-HEPA	S5410			1/16/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990003		TRUE	FALSE	TRUE	NA				
15836	WMAPSWB480	SWB	APPROVED_SHIP		6/7/2012 16:29	mccabed	SR-W027-221H-HEPA	S5410			1/25/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990018		TRUE	FALSE	TRUE	NA				
15837	WMAPSWB481	SWB	APPROVED_CERT		6/7/2012 16:53	mccabed	SR-W027-221H-HEPA	S5410			1/25/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990020		TRUE	FALSE	TRUE	NA				
15838	WMAPSWB482	SWB	APPROVED_SHIP		6/7/2012 16:31	mccabed	SR-W027-221H-HEPA	S5410			1/25/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990021		TRUE	FALSE	TRUE	NA				
15839	WMAPSWB483	SWB	APPROVED_CERT		6/7/2012 16:54	mccabed	SR-W027-221H-HEPA	S5410			1/25/2001	2/6/2012		2/6/2012		Added per MDoherty email 060612; Original number is HC990022		TRUE	FALSE	TRUE	NA				
15840	WMAPSWB485	SWB	APPROVED_CERT		6/7/2012 16:34	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990004		TRUE	FALSE	TRUE	NA				
15841	WMAPSWB486	SWB	APPROVED_CERT		6/7/2012 16:35	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990007		TRUE	FALSE	TRUE	NA				
15842	WMAPSWB487	SWB	APPROVED_CERT		6/7/2012 16:36	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990008		TRUE	FALSE	TRUE	NA				
15843	WMAPSWB488	SWB	APPROVED_CERT		6/7/2012 16:37	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990009		TRUE	FALSE	TRUE	NA				
15844	WMAPSWB489	SWB	APPROVED_CERT		6/7/2012 16:41	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990010		TRUE	FALSE	TRUE	NA				
15845	WMAPSWB490	SWB	APPROVED_CERT		6/7/2012 16:42	mccabed	SR-W027-221H-HEPA	S5410			1/24/2001	2/1/2012		2/1/2012		Added per MDoherty email 060612; Original number is HC990011		TRUE	FALSE	TRUE	NA				
15846	WMAPSWB491	SWB	APPROVED_CERT		7/12/2012 11:00	mccabed	SR-W027-221H-HEPA	S5410			2/1/2012		2/1/2012			HC990019 was overpacked into WMAPSWB491; Added per JMonroys email 070312		TRUE	FALSE	TRUE	NA				
15847	WMAPSWB492	SWB	APPROVED_CERT		9/11/2012 16:54	mccabed	SR-W027-221H-HEPA	S5410			2/7/2012		2/7/2012			Inner polybox is HC990023; Added per LWatson email 091012.		FALSE	FALSE	FALSE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15848	WMAPSWB493	SWB	APPROVED_CERT		6/7/2012 16:43	mccabed	SR-WQ27-221H-NEPA	SS410			1/25/2001	1/26/2012		1/26/2012		Added per MDoherty email 060612; Original number is HC990006		TRUE	FALSE	TRUE	NA				
15849	WMAPSWB494	SWB	EMPLACED_CNTR	7/23/2013 9:41	6/7/2012 16:49	mccabed	SR-WQ27-221H-NEPA	SS410			1/25/2001	1/26/2012		1/26/2012		Added per MDoherty email 060612; Original number is HC990012		TRUE	FALSE	TRUE	NA				
15850	WMAPSWB495	SWB	APPROVED_CERT		6/7/2012 16:50	mccabed	SR-WQ27-221H-NEPA	SS410			1/25/2001	1/26/2012		1/26/2012		Added per MDoherty email 060612; Original number is HC990013		TRUE	FALSE	TRUE	NA				
15851	WMAPSWB496	SWB	APPROVED_SHIP		5/6/2012 10:00	mccabed	SR-WQ27-221H-NEPA	SS410			1/26/2012		1/26/2012				- Rplgd was HC990014	TRUE	FALSE	TRUE	NA		HC990014		Daughter
15852	WMAPSWB497	SWB	EMPLACED_CNTR	7/21/2013 10:32	4/18/2012 13:44	mccabed	SR-WQ27-221H-NEPA	SS410			1/26/2012		1/26/2012				- Rplgd was HC990015	TRUE	FALSE	TRUE			HC990015		Repack
15853	WMAPSWB498	SWB	EMPLACED_CNTR	1/5/2013 10:54	5/6/2012 10:03	mccabed	SR-WQ27-221H-NEPA	SS410			1/26/2012		1/26/2012				- Rplgd was HC990016	TRUE	FALSE	TRUE	NA		HC990016		Daughter
15854	WMAPSWB499	SWB	APPROVED_CERT		4/18/2012 13:52	mccabed	SR-WQ27-221H-NEPA	SS410			1/26/2012		1/26/2012				- Rplgd was HC990025	TRUE	FALSE	TRUE			HC990025		Repack
15855	WMAPSWB500	SWB	EMPLACED_CNTR	5/17/2012 13:16	1/27/2012 16:56	mccabed	SR-WQ27-221H-NEPA	SS410	None	0	3/13/1980	1/25/2012		1/25/2012		Overpacked--inner container is SR512341	- Rplgd was SR512341	TRUE	TRUE	TRUE			SR512341		Repack
15856	WMAPSWB501	SWB	EMPLACED_CNTR	10/24/2012 9:28	1/27/2012 17:00	mccabed	SR-WQ27-221H-NEPA	SS410	None	0	3/29/1980	1/25/2012		1/25/2012		Overpacked--inner container is SR513310	- Rplgd was SR513310	TRUE	TRUE	TRUE			SR513310		Repack
15857	WMAPSWB502	SWB	EMPLACED_CNTR	5/1/2013 15:16	1/30/2012 15:35	mccabed	SR-WQ27-221H-NEPA	SS410	None	0	2/10/1983	1/26/2012		1/26/2012		Overpacked--inner container is SR520612	- Rplgd was SR520612	TRUE	TRUE	TRUE			SR520612		Repack
15858	WMPSWB190A	SSG			10/17/2012 8:52	mccabed	SR-WQ27-221H-NEPA	SS410		0	8/6/2012		8/6/2012				- Rplgd was WMAPSWB190	TRUE	TRUE	TRUE			WMAPSWB190		Daughter
15859	HB00001	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	4/9/2004	8/30/2000			TRUE		TRUE					
15860	HB00002	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	3/23/2004	8/30/2000			TRUE		TRUE					
15861	HB00003	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	11/22/2004	8/30/2000			TRUE		TRUE					
15862	HB00004	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	11/22/2004	8/30/2000			TRUE		TRUE					
15863	HB00005	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/9/2000	3/9/2000	3/9/2000	11/7/2005	9/1/2000			TRUE		TRUE					
15864	HB00006	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	9/6/2005	8/30/2000			TRUE		TRUE					
15865	HB00007	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	2/26/2007	8/30/2000			TRUE		TRUE					
15866	HB00008	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	2/27/2007	8/30/2000			TRUE		TRUE					
15867	HB00009	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	2/26/2007	8/30/2000			TRUE		TRUE					
15868	HB00010	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	3/7/2000	3/7/2000	3/7/2000	11/28/2004	8/30/2000			TRUE		TRUE					
15869	HB00011	SSG	EMPLACED_CNTR	2/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	3/21/2000	3/21/2000	3/21/2000	11/21/2007	9/13/2000			TRUE		TRUE					
15870	HB00012	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	3/21/2000	3/21/2000	3/21/2000	11/21/2007	9/13/2000			TRUE		TRUE					
15871	HB00013	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	3/21/2000	3/21/2000	3/21/2000	11/21/2007	9/13/2000			TRUE		TRUE					
15872	HB00014	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	3/21/2000	1/30/2008	3/21/2000	1/30/2008	9/13/2000			TRUE		TRUE					
15873	HB00015	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15874	HB00016	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	4/3/2000	3/2/2006	4/3/2000	3/2/2006	9/26/2000			TRUE		TRUE					
15875	HB00017	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15876	HB00018	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15877	HB00019	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	4/3/2000	5/23/2004	4/3/2000	5/23/2004	9/26/2000			TRUE		TRUE					
15878	HB00020	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15879	HB00021	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15880	HB00023	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	4/3/2000	4/3/2000	4/3/2000	6/15/2004	9/26/2000			TRUE		TRUE					
15881	HB00024	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/3/2000	4/3/2000	4/3/2000	4/9/2004	9/26/2000			TRUE		TRUE					
15882	HB00025	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	4/26/2000		4/26/2000		10/19/2000			TRUE		TRUE					
15883	HB00026	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	4/26/2000		4/26/2000		10/19/2000			TRUE		TRUE					
15884	HB00027	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	4/26/2000		4/26/2000		10/19/2000			TRUE		TRUE					
15885	HB00028	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/26/2000	4/26/2000	4/26/2000	11/29/2004	10/19/2000			TRUE		TRUE					
15886	HB00029	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/26/2000	4/26/2000	4/26/2000	11/29/2004	10/19/2000			TRUE		TRUE					
15887	HB00030	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	4/26/2000	4/26/2000	4/26/2000	6/5/2005	10/19/2000			TRUE		TRUE					
15888	HB00031	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	4/26/2000	4/26/2000	4/26/2000	11/23/2004	10/19/2000			TRUE		TRUE					
15889	HB00032	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	4/26/2000	4/26/2000	4/26/2000	5/7/2004	10/19/2000			TRUE		TRUE					
15890	HB00033	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	5/17/2000	3/9/2006	5/17/2000	3/9/2006	11/9/2000			TRUE		TRUE					
15891	HB00034	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	11/23/2004	11/9/2000			TRUE		TRUE					
15892	HB00035	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	6/17/2004	11/9/2000			TRUE		TRUE					
15893	HB00036	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	6/17/2004	11/3/2000			TRUE		TRUE					
15894	HB00037	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	10/18/2006	11/9/2000			TRUE		TRUE					
15895	HB00038	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	5/2/2004	11/9/2000			TRUE		TRUE					
15896	HB00039	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	5/17/2000	5/17/2000	5/17/2000	5/2/2004	11/9/2000			TRUE		TRUE					
15897	HB00040	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	5/17/2000		5/17/2000		11/9/2000			TRUE		TRUE					
15898	HB00041	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	7/18/2000	12/15/2005	7/18/2000	12/15/2005	1/10/2001			TRUE		TRUE					
15899	HB00042	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	7/18/2000	12/21/2005	7/18/2000	12/21/2005	1/10/2001			TRUE		TRUE					
15900	HB00043	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	7/18/2000	7/18/2000	7/18/2000	5/2/2004	1/10/2001			TRUE		TRUE					
15901	HB00044	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	7/18/2000	7/18/2000	7/18/2000	11/30/2004	1/10/2001			TRUE		TRUE					
15902	HB00045	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	7/18/2000	7/18/2000	7/18/2000	11/29/2004	1/10/2001			TRUE		TRUE					
15903	HB00046	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	7/18/2000	7/18/2000	7/18/2000	10/29/2005	1/10/2001			TRUE		TRUE					
15904	HB00047	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Purge	0	7/18/2000	7/18/2000	7/18/2000	10/29/2005	1/10/2001			TRUE		TRUE					
15905	HB00048	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	7/14/2000	7/18/2000	7/18/2000	11/28/2004	1/10/2001			TRUE		TRUE					
15906	HB00051	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	7/12/2000	3/12/2004	7/12/2000	3/12/2004	1/4/2001			TRUE		TRUE					
15907	HB00052	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	7/12/2000		7/12/2000		1/4/2001			TRUE		TRUE					
15908	HB00053	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	7/12/2000	3/12/2004	7/12/2000	3/12/2004	1/4/2001			TRUE		TRUE					
15909	HB00055	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	7/12/2000	7/12/2000	7/12/2000	5/7/2004	1/4/2001			TRUE		TRUE					
15910	HB00056	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	8/9/2000	8/9/2000	8/9/2000	5/3/2004	2/1/2001			TRUE		TRUE					
15911	HB00057	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15912	HB00058	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15913	HB00059	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15914	HB00060	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	8/9/2000	3/12/2004	8/9/2000	3/12/2004	2/1/2001			TRUE		TRUE					
15915	HB00061	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	8/9/2000	8/9/2000	8/9/2000	5/2/2004	2/1/2001			TRUE		TRUE					
15916	HB00062	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	8/9/2000	8/9/2000	8/9/2000	4/23/2004	2/1/2001			TRUE		TRUE					
15917	HB00063	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15918	HB00064	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15919	HB00065	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15920	HB00066	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15921	HB00067	SSG	EMPLACED_CNTR	8/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/9/2000		8/9/2000		2/1/2001			TRUE		TRUE					
15922	HB00069	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	8/9/2000	9/11/2006	8/9/2000	9/11/2006	2/1/2001			TRUE		TRUE					
15923	HB00069	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/15/2000		8/15/2000		2/7/2001			TRUE		TRUE					
15924	HB00070	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/15/2000		8/15/2000		2/7/2001			TRUE		TRUE					
15925	HB00071	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/15/2000		8/15/2000		2/7/2001			TRUE		TRUE					
15926	HB00072	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/15/2000		8/15/2000		2/7/2001			TRUE		TRUE					
15927	HB00075	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	Remediate	1	8/15/2000	3/29/2004	8/15/2000	3/29/2004	2/7/2001			TRUE		TRUE					
15928	HB00076	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440	V&P Vent	0	8/15/2000	8/15/2000	8/15/2000	5/3/2004	2/7/2001			TRUE		TRUE					
15929	HB00077	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	8/15/2000		8/15/2000		2/7/2001			TRUE		TRUE					
15930	HB00079	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15931	HB00080	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15932	HB00081	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	SS440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
15933	HB00082	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15934	HB00083	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15935	HB00084	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15936	HB00085	55G	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/7/2000	3/20/2007	9/7/2000	3/20/2007	3/2/2001			TRUE		TRUE					
15937	HB00086	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15938	HB00087	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15939	HB00088	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	9/7/2000		9/7/2000		3/2/2001			TRUE		TRUE					
15940	HB00089	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/30/2000	3/12/2004	10/30/2000	3/13/2004	4/24/2001			TRUE		TRUE					
15941	HB00090	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	10/30/2000		10/30/2000		4/24/2001			TRUE		TRUE					
15942	HB00091	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	10/30/2000		10/30/2000		4/24/2001			TRUE		TRUE					
15943	HB00093	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	10/30/2000		10/30/2000		4/24/2001			TRUE		TRUE					
15944	HB00095	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/31/2000	10/31/2000	10/31/2000	4/9/2004	4/25/2001			TRUE		TRUE					
15945	HB00096	55G	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	10/31/2000	10/31/2000	10/31/2000	3/5/2004	4/25/2001			TRUE		TRUE					
15946	HB00097	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/31/2000	10/31/2000	10/31/2000	3/4/2004	4/25/2001			TRUE		TRUE					
15947	HB00098	55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	10/31/2000	10/31/2000	10/31/2000	3/5/2004	4/25/2001			TRUE		TRUE					
15948	HB00099	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/31/2000	10/31/2000	10/31/2000	3/4/2004	4/25/2001			TRUE		TRUE					
15949	HB00100	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/31/2000	10/31/2000	10/31/2000	3/22/2004	4/25/2001			TRUE		TRUE					
15950	HB00101	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/31/2000	10/31/2000	10/31/2000	3/23/2004	4/25/2001			TRUE		TRUE					
15951	HB00102	55G	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/21/2000	11/21/2000	11/21/2000	4/9/2004	5/16/2001			TRUE		TRUE					
15952	HB00103	55G	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	11/21/2000	11/21/2000	11/21/2000	3/8/2004	5/16/2001			TRUE		TRUE					
15953	HB00104	55G	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	11/21/2000	11/21/2000	11/21/2000	3/4/2004	5/16/2001			TRUE		TRUE					
15954	HB00105	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	11/21/2000	11/21/2000	11/21/2000	3/4/2004	5/16/2001			TRUE		TRUE					
15955	HB01001	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15956	HB01003	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	2/6/2007	3/7/2001	2/6/2007	8/30/2001			TRUE		TRUE					
15957	HB01004	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15958	HB01005	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15959	HB01006	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15960	HB01007	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15961	HB01009	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	10/28/2006	3/7/2001	10/28/2006	8/30/2001			TRUE		TRUE					
15962	HB01009A	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1		10/28/2006		10/28/2006				TRUE		TRUE					
15963	HB01010	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	7/25/2005	3/7/2001	7/25/2005	8/30/2001			TRUE		TRUE					
15964	HB01011	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/7/2001	3/7/2001	3/7/2001	3/22/2004	8/30/2001			TRUE		TRUE					
15965	HB01012	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	7/23/2005	3/7/2001	7/23/2005	8/30/2001			TRUE		TRUE					
15966	HB01013	55G	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	7/27/2005	3/7/2001	7/27/2005	8/30/2001			TRUE		TRUE					
15967	HB01014	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15968	HB01015	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15969	HB01016	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/7/2001	5/31/2004	3/7/2001	5/31/2004	8/30/2001			TRUE		TRUE					
15970	HB01017	55G	EMPLACED_CNTR	9/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15971	HB01018	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/7/2001	3/7/2001	3/7/2001	3/1/2004	8/30/2001			TRUE		TRUE					
15972	HB01019	55G	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15973	HB01020	55G	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15974	HB01021	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	3/7/2001		3/7/2001		8/30/2001			TRUE		TRUE					
15975	HB01023	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/15/2001	7/14/2005	5/15/2001	7/14/2005	11/7/2001			TRUE		TRUE					
15976	HB01024	55G	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	5/15/2001		5/15/2001		11/7/2001			TRUE		TRUE					
15977	HB01025	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	5/15/2001	5/15/2001	5/15/2001	5/2/2004	11/7/2001			TRUE		TRUE					
15978	HB99057	55G	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/3/1999	8/3/1999	8/3/1999	11/28/2004	1/26/2000			TRUE		TRUE					
15979	HB99070	55G	EMPLACED_CNTR	10/17/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	12/16/1999	12/16/1999	12/16/1999	11/22/2007	6/9/2000			TRUE		TRUE					
15980	HB99071	55G	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	12/16/1999	12/16/1999	12/16/1999	11/22/2007	6/9/2000			TRUE		TRUE					
15981	HB99072	55G	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/16/1999	12/16/1999	12/16/1999	11/22/2007	6/9/2000			TRUE		TRUE					
15982	HB99073	55G	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/16/1999	12/16/1999	12/16/1999	11/21/2007	6/9/2000			TRUE		TRUE					
15983	HB99074	55G	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/16/1999	12/16/1999	12/16/1999	4/9/2004	6/9/2000			TRUE		TRUE					
15984	HB99075	55G	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/16/1999	7/22/2005	12/16/1999	7/22/2005	6/9/2000			TRUE		TRUE					
15985	HBL010027	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/6/2001	11/30/2004	6/6/2001	11/30/2004	11/29/2001			TRUE		TRUE					
15986	HBL010028	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/6/2001		6/6/2001		11/29/2001			TRUE		TRUE					
15987	HBL010029	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/6/2001	3/12/2004	6/6/2001	3/12/2004	11/29/2001			TRUE		TRUE					
15988	HBL010031	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/6/2001		6/6/2001		11/29/2001			TRUE		TRUE					
15989	HBL010032	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/6/2001	3/13/2004	6/6/2001	3/13/2004	11/29/2001			TRUE		TRUE					
15990	HBL010033	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15991	HBL010034	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15992	HBL010036	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15993	HBL010038	55G	EMPLACED_CNTR	5/31/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15994	HBL010040	55G	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/7/2001	3/11/2004	6/7/2001	3/11/2004	11/30/2001			TRUE		TRUE					
15995	HBL010041	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/7/2001	3/14/2004	6/7/2001	3/14/2004	11/30/2001			TRUE		TRUE					
15996	HBL010043	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15997	HBL010048	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	6/7/2001		6/7/2001		11/30/2001			TRUE		TRUE					
15998	HBL010053	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/10/2001		7/10/2001		1/1/2002			TRUE		TRUE					
15999	HBL010054	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/10/2001	7/10/2001	7/10/2001	5/3/2004	1/1/2002			TRUE		TRUE					
16000	HBL010055	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/10/2001		7/10/2001		1/1/2002			TRUE		TRUE					
16001	HBL010056	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/10/2001		7/10/2001		1/1/2002			TRUE		TRUE					
16002	HBL010058	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/10/2001		7/10/2001		1/1/2002			TRUE		TRUE					
16003	HBL010060	55G	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/10/2001	3/13/2004	7/10/2001	3/13/2004	1/1/2002			TRUE		TRUE					
16004	HBL010061	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/18/2001	5/14/2004	7/18/2001	5/14/2004	1/10/2002			TRUE		TRUE					
16005	HBL010064	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16006	HBL010066	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16007	HBL010067	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16008	HBL010071	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16009	HBL010073	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16010	HBL010074	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16011	HBL010075	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16012	HBL010077	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	7/18/2001		7/18/2001		1/10/2002			TRUE		TRUE					
16013	HBL010078	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	8/13/2001		8/13/2001		2/5/2002			TRUE		TRUE					
16014	HBL010080	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	8/13/2001		8/13/2001		2/5/2002			TRUE		TRUE					
16015	HBL010081	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	8/13/2001		8/13/2001		2/5/2002			TRUE		TRUE					
16016	HBL010082	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	8/13/2001		8/13/2001		2/5/2002			TRUE		TRUE					
16017	HBL010083	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/13/2001	3/7/2004	8/13/2001	3/7/2004	2/5/2002			TRUE		TRUE					
16018	HBL010084	55G	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/13/2001	3/12/2004	8/13/2001	3/12/2004	2/5/2002			TRUE		TRUE					
16019	HBL010089	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/4/2001		12/4/2001		5/29/2002			TRUE		TRUE					
16020	HBL010090	55G	EMPLACED_CNTR	5/14/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/4/2001	2/28/2007	12/4/2001	2/28/2007	5/29/2002			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16021	HBL010090A	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	2/28/2007		2/28/2007		8/13/2007			TRUE		TRUE					
16022	HBL010091	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	12/4/2001	3/15/2004	12/4/2001	3/15/2004	5/29/2002			TRUE		TRUE					
16023	HBL010092	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	12/4/2001	12/4/2001	12/4/2001	3/27/2004	5/29/2002			TRUE		TRUE					
16024	HBL010093	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	12/4/2001	3/13/2004	12/4/2001	3/13/2004	5/29/2002			TRUE		TRUE					
16025	HBL010094	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	12/4/2001		12/4/2001		5/29/2002			TRUE		TRUE					
16026	HBL010096	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	12/4/2001	3/5/2004	12/4/2001	3/5/2004	5/29/2002			TRUE		TRUE					
16027	HBL010098	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	12/4/2001		12/4/2001		5/29/2002			TRUE		TRUE					
16028	HBL010099	55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	11/13/2001	3/25/2008	11/13/2001	3/25/2008	5/8/2002			TRUE		TRUE					
16029	HBL010100	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	3/13/2004	5/8/2002			TRUE		TRUE					
16030	HBL010102	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	5/7/2004	5/8/2002			TRUE		TRUE					
16031	HBL010103	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	11/13/2001	11/13/2001	11/13/2001	2/22/2004	5/8/2002			TRUE		TRUE					
16032	HBL010104	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	5/1/2004	5/8/2002			TRUE		TRUE					
16033	HBL010105	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	5/7/2004	5/8/2002			TRUE		TRUE					
16034	HBL010106	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	11/13/2001	11/13/2001	11/13/2001	5/1/2004	5/8/2002			TRUE		TRUE					
16035	HBL010107	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	11/13/2001		11/13/2001		5/8/2002			TRUE		TRUE					
16036	HBL010108	55G	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	11/13/2001	11/13/2001	11/13/2001	2/25/2004	5/8/2002			TRUE		TRUE					
16037	HBL010109	55G	EMPLACED_CNTR	5/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	11/13/2001		11/13/2001		5/8/2002			TRUE		TRUE					
16038	HBL010110	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	NCN-SRS-0511-04	0	11/13/2001	11/13/2001	11/13/2001	3/18/2004	5/8/2002			TRUE		TRUE					
16039	HBL010111	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	11/13/2001		11/13/2001		5/8/2002			TRUE		TRUE					
16040	HBL010112	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	11/13/2001	5/3/2006	11/13/2001	5/3/2006	5/8/2002			TRUE		TRUE					
16041	HBL010113	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	11/13/2001		11/13/2001		5/8/2002			TRUE		TRUE					
16042	HBL02001	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	7/2/2001	7/2/2001	7/2/2001	11/29/2004	12/25/2001			TRUE		TRUE					
16043	HBL02002	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/10/2002	8/23/2006	1/10/2002	8/23/2006	7/5/2002			TRUE		TRUE					
16044	HBL02003	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	5/2/2004	7/5/2002			TRUE		TRUE					
16045	HBL02004	55G	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	4/9/2004	7/5/2002			TRUE		TRUE					
16046	HBL02005	55G	EMPLACED_CNTR	1/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	5/1/2004	7/5/2002			TRUE		TRUE					
16047	HBL02006	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	1/10/2002	1/10/2002	1/10/2002	2/26/2004	7/5/2002			TRUE		TRUE					
16048	HBL02007	55G	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/10/2002	9/26/2006	1/10/2002	9/26/2006	7/5/2002			TRUE		TRUE					
16049	HBL02008	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	1/10/2002	1/10/2002	1/10/2002	3/1/2004	7/5/2002			TRUE		TRUE					
16050	HBL02009	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/10/2002		1/10/2002		7/5/2002			TRUE		TRUE					
16051	HBL02010	55G	EMPLACED_CNTR	5/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	5/2/2004	7/5/2002			TRUE		TRUE					
16052	HBL02011	55G	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	5/1/2004	7/5/2002			TRUE		TRUE					
16053	HBL02012	55G	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/10/2002		1/10/2002		7/5/2002			TRUE		TRUE					
16054	HBL02013	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/10/2002		1/10/2002		7/5/2002			TRUE		TRUE					
16055	HBL02014	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/10/2002		1/10/2002		7/5/2002			TRUE		TRUE					
16056	HBL02015	55G	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/10/2002	11/14/2006	1/10/2002	11/14/2006	7/5/2002			TRUE		TRUE					
16057	HBL02016	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/10/2002	1/10/2002	1/10/2002	5/2/2004	7/5/2002			TRUE		TRUE					
16058	HBL02017	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/10/2002		1/10/2002		7/5/2002			TRUE		TRUE					
16059	HBL02018	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	NCN-SRS-0511-04	0	1/10/2002	1/10/2002	1/10/2002	11/25/2003	7/5/2002			TRUE		TRUE					
16060	HBL02021	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/30/2002		1/30/2002		7/25/2002			TRUE		TRUE					
16061	HBL02031	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/25/2002	3/5/2004	1/25/2002	3/5/2004	7/30/2002			TRUE		TRUE					
16062	HBL02032	55G	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/25/2002	12/1/2004	1/25/2002	12/1/2004	7/20/2002			TRUE		TRUE					
16063	HBL02036	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/25/2002		1/25/2002		7/20/2002			TRUE		TRUE					
16064	HBL02037	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/25/2002	3/11/2004	1/25/2002	3/11/2004	7/20/2002			TRUE		TRUE					
16065	HBL02039	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/25/2002		1/25/2002		7/20/2002			TRUE		TRUE					
16066	HBL02040	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/25/2002		1/25/2002		7/20/2002			TRUE		TRUE					
16067	HBL02041	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/25/2002	3/3/2004	1/25/2002	3/3/2004	7/20/2002			TRUE		TRUE					
16068	HBL02047	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/25/2002	3/12/2004	1/25/2002	3/12/2004	7/20/2002			TRUE		TRUE					
16069	HBL02048	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	1/25/2002		1/25/2002		7/20/2002			TRUE		TRUE					
16070	HBL02050	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	1/30/2002	4/1/2004	1/30/2002	4/1/2004	7/25/2002			TRUE		TRUE					
16071	HBL02053	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	3/4/2002		3/4/2002		8/27/2002			TRUE		TRUE					
16072	HBL02054	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	3/4/2002		3/4/2002		8/27/2002			TRUE		TRUE					
16073	HBL02056	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	1/23/2002	1/23/2002	1/23/2002	5/2/2004	7/18/2002			TRUE		TRUE					
16074	HBL02057	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/25/2004	8/27/2002			TRUE		TRUE					
16075	HBL02058	55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	5/2/2004	8/27/2002			TRUE		TRUE					
16076	HBL02059	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	4/9/2004	8/27/2002			TRUE		TRUE					
16077	HBL02060	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	4/9/2004	8/27/2002			TRUE		TRUE					
16078	HBL02061	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	4/9/2004	8/27/2002			TRUE		TRUE					
16079	HBL02062	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/25/2004	8/27/2002			TRUE		TRUE					
16080	HBL02063	55G	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/25/2004	8/27/2002			TRUE		TRUE					
16081	HBL02064	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/25/2004	8/27/2002			TRUE		TRUE					
16082	HBL02065	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/11/2004	8/27/2002			TRUE		TRUE					
16083	HBL02066	55G	EMPLACED_CNTR	8/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	4/9/2004	8/27/2002			TRUE		TRUE					
16084	HBL02067	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/4/2002	3/4/2002	3/4/2002	3/25/2004	8/27/2002			TRUE		TRUE					
16085	HBL02068	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	2/25/2002	3/13/2004	2/25/2002	3/13/2004	8/20/2002			TRUE		TRUE					
16086	HBL02071	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	2/25/2002		2/25/2002		8/29/2002			TRUE		TRUE					
16087	HBL02073	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440		0	2/25/2002		2/25/2002		6/20/2002			TRUE		TRUE					
16088	HBL02075	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	3/13/2002	3/13/2002	3/13/2002	11/29/2004	9/5/2002			TRUE		TRUE					
16089	HBL02076	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/21/2004	9/5/2002			TRUE		TRUE					
16090	HBL02077	55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	3/13/2002	3/13/2002	3/13/2002	3/8/2004	9/5/2002			TRUE		TRUE					
16091	HBL02078	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/23/2004	9/5/2002			TRUE		TRUE					
16092	HBL02079	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/23/2004	9/5/2002			TRUE		TRUE					
16093	HBL02080	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/24/2004	9/5/2002			TRUE		TRUE					
16094	HBL02081	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	3/13/2002	9/12/2006	3/13/2002	9/12/2006	9/5/2002			TRUE		TRUE					
16095	HBL02082	55G	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/24/2004	9/5/2002			TRUE		TRUE					
16096	HBL02083	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/23/2004	9/5/2002			TRUE		TRUE					
16097	HBL02084	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/22/2004	9/5/2002			TRUE		TRUE					
16098	HBL02085	55G	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/23/2004	9/5/2002			TRUE		TRUE					
16099	HBL02087	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Purge	0	3/13/2002	3/13/2002	3/13/2002	3/8/2004	9/5/2002			TRUE		TRUE					
16100	HBL02088	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/27/2004	9/5/2002			TRUE		TRUE					
16101	HBL02089	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/13/2002	3/13/2002	3/13/2002	3/27/2004	9/5/2002			TRUE		TRUE					
16102	HBL02091	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	5/2/2004	9/18/2002			TRUE		TRUE					
16103	HBL02092	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16104	HBL02093	55G	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	Remediate	1	3/26/2002	1/3/2007	3/26/2002	1/3/2007	9/18/2002			TRUE		TRUE					
16105	HBL02094	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/26/2004	9/18/2002			TRUE		TRUE					
16106	HBL02095	55G	EMPLACED_CNTR	1/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-NET	55440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	8/14/2006	9/18/2002			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16107	HBL02096	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/21/2004	9/18/2002			TRUE		TRUE					
16108	HBL02097	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16109	HBL02098	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	3/26/2002	12/1/2004	3/26/2002	12/1/2004	9/18/2002			TRUE		TRUE					
16110	HBL02099	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16111	HBL02101	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16112	HBL02102	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16113	HBL02105	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	3/26/2002	3/12/2004	3/26/2002	3/18/2004	9/18/2002			TRUE		TRUE					
16114	HBL02106	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	4/8/2004	9/18/2002			TRUE		TRUE					
16115	HBL02107	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	3/26/2002	3/26/2002	3/26/2002	3/27/2004	9/18/2002			TRUE		TRUE					
16116	HBL02108	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	4/15/2002	12/15/2005	4/15/2002	12/15/2005	10/8/2002			TRUE		TRUE					
16117	HBL02109	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	4/23/2004	10/8/2002			TRUE		TRUE					
16118	HBL02110	SSG	EMPLACED_CNTR	9/21/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	11/13/2005	10/8/2002			TRUE		TRUE					
16119	HBL02111	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/26/2004	10/8/2002			TRUE		TRUE					
16120	HBL02112	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/27/2004	10/8/2002			TRUE		TRUE					
16121	HBL02113	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	3/1/2006	10/8/2002			TRUE		TRUE					
16122	HBL02114	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/28/2004	10/8/2002			TRUE		TRUE					
16123	HBL02115	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/27/2004	10/8/2002			TRUE		TRUE					
16124	HBL02116	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/26/2004	10/8/2002			TRUE		TRUE					
16125	HBL02117	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	2/28/2004	10/8/2002			TRUE		TRUE					
16126	HBL02118	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	4/15/2002	8/22/2006	4/15/2002	8/22/2006	10/8/2002			TRUE		TRUE					
16127	HBL02119	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	4/26/2004	10/8/2002			TRUE		TRUE					
16128	HBL02120	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	4/23/2004	10/8/2002			TRUE		TRUE					
16129	HBL02121	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	3/23/2004	10/8/2002			TRUE		TRUE					
16130	HBL02122	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	4/23/2004	10/8/2002			TRUE		TRUE					
16131	HBL02124	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	3/26/2004	10/8/2002			TRUE		TRUE					
16132	HBL02125	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	4/15/2002	4/15/2002	4/15/2002	4/8/2004	10/8/2002			TRUE		TRUE					
16133	HBL02126	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	4/15/2002	4/15/2002	4/15/2002	4/8/2004	10/8/2002			TRUE		TRUE					
16134	HBL02127	SSG	EMPLACED_CNTR	5/15/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	5/15/2002	5/15/2002	5/15/2002	11/24/2004	11/7/2002			TRUE		TRUE					
16135	HBL02128	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	5/15/2002	5/15/2002	5/15/2002	11/29/2004	11/7/2002			TRUE		TRUE					
16136	HBL02129	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	5/15/2002	11/17/2006	5/15/2002	11/17/2006	11/7/2002			TRUE		TRUE					
16137	HBL02129A	SSG	EMPLACED_CNTR	12/19/2017 12:50	9/7/2011 10:46	mcabed	SR-W027-221H-HET	SS440		1	11/17/2006		11/17/2006			Container was previously assigned SWD061807		TRUE	FALSE	TRUE					
16138	HBL02130	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	5/15/2002	8/19/2006	5/15/2002	8/19/2006	11/7/2002			TRUE		TRUE					
16139	HBL02131	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	5/15/2002	10/28/2006	5/15/2002	10/28/2006	11/7/2002			TRUE		TRUE					
16140	HBL02132	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/21/2004	11/7/2002			TRUE		TRUE					
16141	HBL02133	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/24/2004	11/7/2002			TRUE		TRUE					
16142	HBL02134	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/26/2004	11/7/2002			TRUE		TRUE					
16143	HBL02135	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/21/2004	11/7/2002			TRUE		TRUE					
16144	HBL02136	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	5/15/2002	5/15/2002	5/15/2002	3/4/2004	11/7/2002			TRUE		TRUE					
16145	HBL02137	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	5/15/2002	5/15/2002	5/15/2002	3/21/2004	11/7/2002			TRUE		TRUE					
16146	HBL02138	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/26/2004	11/7/2002			TRUE		TRUE					
16147	HBL02139	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	5/15/2002	6/27/2006	5/15/2002	6/27/2006	11/7/2002			TRUE		TRUE					
16148	HBL02140	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/21/2004	11/7/2002			TRUE		TRUE					
16149	HBL02141	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/23/2004	11/7/2002			TRUE		TRUE					
16150	HBL02142	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/26/2004	11/7/2002			TRUE		TRUE					
16151	HBL02142	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	5/15/2002	5/15/2002	5/15/2002	3/23/2004	11/7/2002			TRUE		TRUE					
16152	HBL02145	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	11/25/2006	11/28/2002			TRUE		TRUE					
16153	HBL02146	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	6/5/2002	8/19/2006	6/5/2002	8/19/2006	11/28/2002			TRUE		TRUE					
16154	HBL02147	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	8/21/2006	11/28/2002			TRUE		TRUE					
16155	HBL02148	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	6/5/2002	3/26/2007	6/5/2002	3/26/2007	11/28/2002			TRUE		TRUE					
16156	HBL02149	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	6/5/2002	11/14/2006	6/5/2002	11/14/2006	11/28/2002			TRUE		TRUE					
16157	HBL02150	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/23/2004	11/28/2002			TRUE		TRUE					
16158	HBL02151	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/23/2004	11/28/2002			TRUE		TRUE					
16159	HBL02152	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/23/2004	11/28/2002			TRUE		TRUE					
16160	HBL02153	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/23/2004	11/28/2002			TRUE		TRUE					
16161	HBL02154	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/7/2004	11/28/2002			TRUE		TRUE					
16162	HBL02155	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/21/2004	11/28/2002			TRUE		TRUE					
16163	HBL02156	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/22/2004	11/28/2002			TRUE		TRUE					
16164	HBL02157	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/23/2004	11/28/2002			TRUE		TRUE					
16165	HBL02158	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/26/2004	11/28/2002			TRUE		TRUE					
16166	HBL02159	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	6/5/2002	6/5/2002	6/5/2002	3/21/2004	11/28/2002			TRUE		TRUE					
16167	HBL02160	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	10/17/2006	12/25/2002			TRUE		TRUE					
16168	HBL02161	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	8/21/2006	12/25/2002			TRUE		TRUE					
16169	HBL02162	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	8/22/2006	12/25/2002			TRUE		TRUE					
16170	HBL02163	SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/21/2004	12/25/2002			TRUE		TRUE					
16171	HBL02164	SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/21/2004	12/25/2002			TRUE		TRUE					
16172	HBL02165	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	7/2/2002	7/2/2002	7/2/2002	3/7/2004	12/25/2002			TRUE		TRUE					
16173	HBL02166	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/23/2004	12/25/2002			TRUE		TRUE					
16174	HBL02167	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	7/2/2002	3/19/2006	7/2/2002	3/19/2006	12/25/2002			TRUE		TRUE					
16175	HBL02168	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/24/2004	12/25/2002			TRUE		TRUE					
16176	HBL02169	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/24/2004	12/25/2002			TRUE		TRUE					
16177	HBL02170	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/23/2004	12/25/2002			TRUE		TRUE					
16178	HBL02171	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	7/2/2002	7/2/2002	7/2/2002	3/7/2004	12/25/2002			TRUE		TRUE					
16179	HBL02172	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/23/2004	12/25/2002			TRUE		TRUE					
16180	HBL02173	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/24/2004	12/25/2002			TRUE		TRUE					
16181	HBL02174	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/24/2004	12/25/2002			TRUE		TRUE					
16182	HBL02175	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	4/8/2004	12/25/2002			TRUE		TRUE					
16183	HBL02176	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	4/8/2004	12/25/2002			TRUE		TRUE					
16184	HBL02177	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	4/8/2004	12/25/2002			TRUE		TRUE					
16185	HBL02178	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	4/8/2004	12/25/2002			TRUE		TRUE					
16186	HBL02179	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	3/25/2004	12/25/2002			TRUE		TRUE					
16187	HBL02182	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/2002	7/2/2002	7/2/2002	11/2/2006	12/25/2002			TRUE		TRUE					
16188	HBL02185	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	11/25/2006	1/16/2003			TRUE		TRUE					
16189	HBL02186	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	8/22/2006	1/16/2003			TRUE		TRUE					
16190	HBL02187	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/22/2004	1/16/2003			TRUE		TRUE					
16191	HBL02188	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/21/2004	1/16/2003			TRUE		TRUE					
16192	HBL02189	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/21/2004	1/16/2003			TRUE		TRUE					
16193	HBL02190	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/23/2004	1/16/2003			TRUE		TRUE					
16194	HBL02191	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/23/2004	1/16/2003			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16192	HBL02192	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/23/2004	1/16/2003			TRUE		TRUE					
16193	HBL02193	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	7/24/2002	7/24/2002	7/24/2002	3/25/2004	1/16/2003			TRUE		TRUE					
16197	HBL02194	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-223M-HET	55440	Remediate	1	8/21/2002	9/14/2006	8/21/2002	9/14/2006	2/13/2003			TRUE		TRUE					
16198	HBL02195	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-223M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	10/17/2006	2/13/2003			TRUE		TRUE					
16199	HBL02196	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	8/21/2002	8/21/2002	8/21/2002	11/27/2004	2/13/2003			TRUE		TRUE					
16200	HBL02197	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	8/21/2002	8/21/2002	8/21/2002	11/27/2004	2/13/2003			TRUE		TRUE					
16201	HBL02198	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	8/21/2002	8/21/2002	8/21/2002	3/5/2004	2/13/2003			TRUE		TRUE					
16202	HBL02199	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/26/2004	2/13/2003			TRUE		TRUE					
16203	HBL02200	SSG	EMPLACED_CNTR	1/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	8/21/2002	8/21/2002	8/21/2002	3/4/2004	2/13/2003			TRUE		TRUE					
16204	HBL02201	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/25/2004	2/13/2003			TRUE		TRUE					
16205	HBL02202	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/25/2004	2/13/2003			TRUE		TRUE					
16206	HBL02203	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/26/2004	2/13/2003			TRUE		TRUE					
16207	HBL02204	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/26/2004	2/13/2003			TRUE		TRUE					
16208	HBL02205	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/26/2004	2/13/2003			TRUE		TRUE					
16209	HBL02206	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/21/2002	8/21/2002	8/21/2002	3/21/2004	2/13/2003			TRUE		TRUE					
16210	HBL02207	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	11/26/2006	3/13/2003			TRUE		TRUE					
16211	HBL02208	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	9/18/2002	9/18/2002	9/18/2002	11/28/2004	3/13/2003			TRUE		TRUE					
16212	HBL02209	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	9/18/2002	9/18/2002	9/18/2002	3/25/2004	3/13/2003			TRUE		TRUE					
16213	HBL02210	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/26/2004	3/13/2003			TRUE		TRUE					
16214	HBL02211	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/21/2004	3/13/2003			TRUE		TRUE					
16215	HBL02212	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/21/2004	3/13/2003			TRUE		TRUE					
16216	HBL02213	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/23/2004	3/13/2003			TRUE		TRUE					
16217	HBL02214	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/13/2004	3/13/2003			TRUE		TRUE					
16218	HBL02215	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/21/2004	3/13/2003			TRUE		TRUE					
16219	HBL02216	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/24/2004	3/13/2003			TRUE		TRUE					
16220	HBL02217	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	3/23/2004	3/13/2003			TRUE		TRUE					
16221	HBL02218	SSG	EMPLACED_CNTR	7/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16222	HBL02219	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16223	HBL02220	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16224	HBL02221	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16225	HBL02222	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16226	HBL02223	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16227	HBL02224	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/18/2002	9/18/2002	9/18/2002	4/8/2004	3/13/2003			TRUE		TRUE					
16228	HBL02225	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/7/2002	10/7/2002	10/7/2002	4/8/2004	4/1/2003			TRUE		TRUE					
16229	HBL02226	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/7/2002	10/7/2002	10/7/2002	3/26/2004	4/1/2003			TRUE		TRUE					
16230	HBL02227	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/8/2002	10/8/2002	10/8/2002	3/3/2004	4/2/2003			TRUE		TRUE					
16231	HBL02228	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	10/7/2002	5/13/2004	10/7/2002	5/13/2004	4/1/2003			TRUE		TRUE					
16232	HBL02229	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/7/2002	10/7/2002	10/7/2002	3/2/2004	4/1/2003			TRUE		TRUE					
16233	HBL02230	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/7/2002	10/7/2002	10/7/2002	4/8/2004	4/1/2003			TRUE		TRUE					
16234	HBL02231	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/7/2002	10/7/2002	10/7/2002	6/17/2004	4/1/2003			TRUE		TRUE					
16235	HBL02232	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/2/2004	4/13/2003			TRUE		TRUE					
16236	HBL02233	SSG	EMPLACED_CNTR	1/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/23/2004	4/23/2003			TRUE		TRUE					
16237	HBL02234	SSG	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/21/2004	4/23/2003			TRUE		TRUE					
16238	HBL02235	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/24/2004	4/23/2003			TRUE		TRUE					
16239	HBL02236	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/23/2004	4/23/2003			TRUE		TRUE					
16240	HBL02237	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/23/2004	4/23/2003			TRUE		TRUE					
16241	HBL02238	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/23/2004	4/23/2003			TRUE		TRUE					
16242	HBL02239	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	5/3/2004	4/23/2003			TRUE		TRUE					
16243	HBL02240	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/25/2004	4/23/2003			TRUE		TRUE					
16244	HBL02241	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	3/23/2004	4/23/2003			TRUE		TRUE					
16245	HBL02242	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	10/29/2002	10/29/2002	10/29/2002	6/1/2004	4/23/2003			TRUE		TRUE					
16246	HBL02243	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	11/7/2002	11/7/2002	11/7/2002	5/7/2004	5/2/2003			TRUE		TRUE					
16247	HBL02244	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	12/4/2002	3/2/2006	12/4/2002	3/2/2006	5/29/2003			TRUE		TRUE					
16248	HBL02245	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	7/28/2004	5/29/2003			TRUE		TRUE					
16249	HBL02246	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/23/2004	5/29/2003			TRUE		TRUE					
16250	HBL02247	SSG	EMPLACED_CNTR	6/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/21/2004	5/29/2003			TRUE		TRUE					
16251	HBL02248	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/23/2004	5/29/2003			TRUE		TRUE					
16252	HBL02249	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/20/2004	5/29/2003			TRUE		TRUE					
16253	HBL02250	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	6/22/2006	5/29/2003			TRUE		TRUE					
16254	HBL02251	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/23/2004	5/29/2003			TRUE		TRUE					
16255	HBL02252	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/22/2004	5/29/2003			TRUE		TRUE					
16256	HBL02253	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/24/2004	5/29/2003			TRUE		TRUE					
16257	HBL02254	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	6/17/2004	5/29/2003			TRUE		TRUE					
16258	HBL02255	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	12/4/2002	12/4/2002	12/4/2002	3/23/2004	5/29/2003			TRUE		TRUE					
16259	HBL03001	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	6/17/2004	7/10/2003			TRUE		TRUE					
16260	HBL03002	SSG	EMPLACED_CNTR	1/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	6/17/2004	7/10/2003			TRUE		TRUE					
16261	HBL03003	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/24/2004	7/10/2003			TRUE		TRUE					
16262	HBL03004	SSG	EMPLACED_CNTR	3/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/23/2004	7/10/2003			TRUE		TRUE					
16263	HBL03005	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/23/2004	7/10/2003			TRUE		TRUE					
16264	HBL03006	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/23/2004	7/29/2003			TRUE		TRUE					
16265	HBL03007	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Purge	0	1/15/2003	1/15/2003	1/15/2003	3/8/2004	7/10/2003			TRUE		TRUE					
16266	HBL03008	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	11/28/2006	7/10/2003			TRUE		TRUE					
16267	HBL03009	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/23/2004	7/10/2003			TRUE		TRUE					
16268	HBL03010	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	1/15/2003	1/15/2003	1/15/2003	3/23/2004	7/10/2003			TRUE		TRUE					
16269	HBL030120	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	6/17/2004	1/29/2004			TRUE		TRUE					
16270	HBL030121	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	6/17/2004	1/29/2004			TRUE		TRUE					
16271	HBL030122	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16272	HBL030123	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	5/2/2004	1/29/2004			TRUE		TRUE					
16273	HBL030124	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16274	HBL030125	SSG	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16275	HBL030126	SSG	EMPLACED_CNTR	12/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16276	HBL030127	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	5/3/2004	1/29/2004			TRUE		TRUE					
16277	HBL030128	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16278	HBL030129	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16279	HBL03013	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	2/4/2003		2/4/2003		7/30/2003			TRUE		TRUE					
16280	HBL030132	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	5/2/2004	1/29/2004			TRUE		TRUE					
16281	HBL030133	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	8/6/2003	8/6/2003	8/6/2003	3/22/2004	1/29/2004			TRUE		TRUE					
16282	HBL030134	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/17/2004			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16282	HBL030135	55G	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16283	HBL030136	55G	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16284	HBL030137	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16285	HBL030138	55G	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16286	HBL030139	55G	EMPLACED_CNTR	6/12/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16287	HBL03014	55G	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16288	HBL030140	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16290	HBL030141	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16291	HBL030142	55G	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	9/4/2003	9/4/2003	9/4/2003	3/22/2004	2/27/2004			TRUE		TRUE					
16292	HBL030143	55G	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440			9/4/2003		9/4/2003		2/28/2004			TRUE		TRUE					
16293	HBL03015	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16294	HBL03016	55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16295	HBL03017	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16296	HBL03018	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16297	HBL03019	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/23/2004	7/30/2003			TRUE		TRUE					
16298	HBL03020	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/30/2004	7/30/2003			TRUE		TRUE					
16299	HBL03021	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	6/17/2004	7/30/2003			TRUE		TRUE					
16300	HBL03022	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/4/2003	2/4/2003	2/4/2003	3/21/2004	7/30/2003			TRUE		TRUE					
16301	HBL03023	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	2/4/2003	3/20/2006	2/4/2003	3/20/2006	7/30/2003			TRUE		TRUE					
16302	HBL03024	55G	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Purge	0	2/4/2003	2/4/2003	2/4/2003	3/8/2004	7/30/2003			TRUE		TRUE					
16303	HBL03026	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/27/2004	8/21/2003			TRUE		TRUE					
16304	HBL03029	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/25/2004	8/21/2003			TRUE		TRUE					
16305	HBL03033	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	4/8/2004	8/21/2003			TRUE		TRUE					
16306	HBL03034	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/27/2004	8/21/2003			TRUE		TRUE					
16307	HBL03035	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/27/2004	8/21/2003			TRUE		TRUE					
16308	HBL03036	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/25/2004	8/21/2003			TRUE		TRUE					
16309	HBL03037	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	2/26/2003	2/26/2003	2/26/2003	3/27/2004	8/21/2003			TRUE		TRUE					
16310	HBL03038	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16311	HBL03039	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16312	HBL03040	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	8/19/2006	8/29/2003			TRUE		TRUE					
16313	HBL03041	55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	3/20/2004	8/29/2003			TRUE		TRUE					
16314	HBL03042	55G	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Purge	0	3/6/2003	3/6/2003	3/6/2003	9/16/2005	8/29/2003			TRUE		TRUE					
16315	HBL03043	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16316	HBL03044	55G	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16317	HBL03045	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16318	HBL03046	55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	3/6/2003	10/24/2007	3/6/2003	10/24/2007	8/29/2003			TRUE		TRUE					
16319	HBL03047	55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16320	HBL03048	55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16321	HBL03049	55G	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/6/2003	3/6/2003	3/6/2003	6/17/2004	8/29/2003			TRUE		TRUE					
16322	HBL03050	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	4/8/2004	9/11/2003			TRUE		TRUE					
16323	HBL03051	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	3/23/2004	9/11/2003			TRUE		TRUE					
16324	HBL03052	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	5/2/2004	9/11/2003			TRUE		TRUE					
16325	HBL03053	55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	3/19/2003	9/29/2006	3/19/2003	9/29/2006	9/11/2003			TRUE		TRUE					
16326	HBL03054	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	3/19/2003	10/4/2006	3/19/2003	10/4/2006	9/11/2003			TRUE		TRUE					
16327	HBL03055	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	4/8/2004	9/11/2003			TRUE		TRUE					
16328	HBL03056	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	4/23/2004	9/11/2003			TRUE		TRUE					
16329	HBL03057	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	3/23/2004	9/11/2003			TRUE		TRUE					
16330	HBL03058	55G	EMPLACED_CNTR	4/18/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	4/23/2004	9/11/2003			TRUE		TRUE					
16331	HBL03059	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	4/8/2004	9/11/2003			TRUE		TRUE					
16332	HBL03060	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	5/2/2004	9/11/2003			TRUE		TRUE					
16333	HBL03061	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	5/2/2004	9/11/2003			TRUE		TRUE					
16334	HBL03065	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	3/21/2004	10/12/2003			TRUE		TRUE					
16335	HBL03066	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/23/2004	10/12/2003			TRUE		TRUE					
16336	HBL03067	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/9/2004	10/12/2003			TRUE		TRUE					
16337	HBL03068	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/8/2004	10/12/2003			TRUE		TRUE					
16338	HBL03069	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/23/2004	10/12/2003			TRUE		TRUE					
16339	HBL03070	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/8/2004	10/12/2003			TRUE		TRUE					
16340	HBL03071	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/9/2004	10/12/2003			TRUE		TRUE					
16341	HBL03072	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	3/23/2004	10/12/2003			TRUE		TRUE					
16342	HBL03073	55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	4/19/2003	11/2/2006	4/19/2003	11/2/2006	10/12/2003			TRUE		TRUE					
16343	HBL03074	55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	4/19/2003	4/19/2003	4/19/2003	4/9/2004	10/12/2003			TRUE		TRUE					
16344	HBL03075	55G	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	3/19/2003	3/19/2003	3/19/2003	11/15/2006	9/11/2003			TRUE		TRUE					
16345	HBL03087	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	3/21/2004	11/13/2003			TRUE		TRUE					
16346	HBL03088	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/7/2004	11/13/2003				TRUE		TRUE					
16347	HBL03089	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	5/21/2003	9/13/2006	5/21/2003	9/13/2006	11/13/2003			TRUE		TRUE					
16348	HBL03090	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/8/2004	11/13/2003			TRUE		TRUE					
16349	HBL03091	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	3/23/2004	11/13/2003			TRUE		TRUE					
16350	HBL03092	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	3/23/2004	11/13/2003			TRUE		TRUE					
16351	HBL03093	55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	3/30/2004	11/13/2003			TRUE		TRUE					
16352	HBL03094	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	5/21/2003	9/27/2006	5/21/2003	9/27/2006	11/13/2003			TRUE		TRUE					
16353	HBL03095	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/8/2004	11/13/2003			TRUE		TRUE					
16354	HBL03096	55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/8/2004	11/13/2003			TRUE		TRUE					
16355	HBL03097	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/8/2004	11/13/2003			TRUE		TRUE					
16356	HBL03098	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/9/2004	11/13/2003			TRUE		TRUE					
16357	HBL03099	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/8/2004	11/13/2003			TRUE		TRUE					
16358	HBL03100	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/23/2004	11/13/2003			TRUE		TRUE					
16359	HBL03101	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	4/23/2004	11/13/2003			TRUE		TRUE					
16360	HBL03102	55G	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/20/2003	5/20/2003	5/20/2003	4/9/2004	11/12/2003			TRUE		TRUE					
16361	HBL03103	55G	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/21/2003	5/21/2003	5/21/2003	3/21/2004	11/13/2003			TRUE		TRUE					
16362	HBL03104	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/22/2003	5/21/2003	5/22/2003	3/21/2004	11/14/2003			TRUE		TRUE					
16363	HBL03105	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/23/2003	5/23/2003	5/23/2003	3/22/2004	11/15/2003			TRUE		TRUE					
16364	HBL03106	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	5/27/2003	5/27/2003	5/27/2003	3/21/2004	11/19/2003			TRUE		TRUE					
16365	HBL03107	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	5/2/2004	12/16/2003			TRUE		TRUE					
16366	HBL03108	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	Remediate	1	6/23/2003	9/27/2006	6/23/2003	9/27/2006	12/16/2003			TRUE		TRUE					
16367	HBL03109	55G	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/8/2004	12/16/2003			TRUE		TRUE					
16368	HBL03110	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	5/2/2004	12/16/2003			TRUE		TRUE					
16369	HBL03111	55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	5/2/2004	12/16/2003			TRUE		TRUE					
16370	HBL03112	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Upd	SR-W027-221H-MET	55440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/9/2004	12/16/2003			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16371	HBL03113	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/23/2004	12/16/2003			TRUE		TRUE					
16372	HBL03114	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/9/2004	12/16/2003			TRUE		TRUE					
16373	HBL03115	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/9/2004	12/16/2003			TRUE		TRUE					
16374	HBL03116	SSG	EMPLACED_CNTR	6/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/8/2004	12/16/2003			TRUE		TRUE					
16375	HBL03117	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/9/2004	12/16/2003			TRUE		TRUE					
16376	HBL03118	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/23/2004	12/16/2003			TRUE		TRUE					
16377	HBL03119	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	6/23/2003	6/23/2003	6/23/2003	4/9/2004	12/16/2003			TRUE		TRUE					
16378	HBL040011	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/8/2003	10/8/2003	10/8/2003	5/2/2004	4/1/2004			TRUE		TRUE					
16379	HBL040012	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		1	10/8/2003		10/8/2003		4/1/2004			TRUE		TRUE					
16380	HBL040013	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/8/2003	10/8/2003	10/8/2003	5/2/2004	4/1/2004			TRUE		TRUE					
16381	HBL040014	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Purge	0	10/8/2003	10/8/2003	10/8/2003	8/13/2006	4/1/2004			TRUE		TRUE					
16382	HBL040015	SSG	EMPLACED_CNTR	8/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	10/8/2003	1/17/2008	10/8/2003	1/17/2008	4/1/2004			TRUE		TRUE					
16383	HBL040016	SSG	EMPLACED_CNTR	6/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440			10/28/2003		10/28/2003		4/22/2004			TRUE		TRUE					
16384	HBL040017	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/8/2003	10/8/2003	10/8/2003	3/21/2004	4/1/2004			TRUE		TRUE					
16385	HBL040018	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/8/2003	10/8/2003	10/8/2003	5/2/2004	4/1/2004			TRUE		TRUE					
16386	HBL040019	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/8/2003	10/8/2003	10/8/2003	5/2/2004	4/1/2004			TRUE		TRUE					
16387	HBL040032	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16388	HBL040033	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16389	HBL040034	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16390	HBL040035	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16391	HBL040037	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16392	HBL040038	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	10/20/2003	11/29/2004	10/20/2003	11/29/2004	4/13/2004			TRUE		TRUE					
16393	HBL040039	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16394	HBL040040	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16395	HBL040041	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16396	HBL040042	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16397	HBL040043	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	10/29/2003	11/30/2004	10/20/2003	11/30/2004	4/13/2004			TRUE		TRUE					
16398	HBL040044	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/29/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16399	HBL040046	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16400	HBL040047	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16401	HBL040048	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16402	HBL040049	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/29/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16403	HBL040050	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/29/2003	10/29/2003	10/29/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16404	HBL040051	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16405	HBL040052	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	10/20/2003	10/20/2003	10/20/2003	5/2/2004	4/13/2004			TRUE		TRUE					
16406	HBL040069	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16407	HBL040070	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	11/18/2003	11/30/2004	11/13/2003	11/30/2004	5/7/2004			TRUE		TRUE					
16408	HBL040071	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16409	HBL040072	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16410	HBL040073	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16411	HBL040074	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16412	HBL040075	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16413	HBL040076	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16414	HBL040077	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16415	HBL040078	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	5/2/2004	5/7/2004			TRUE		TRUE					
16416	HBL040079	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/13/2003	11/13/2003	11/13/2003	10/29/2006	5/7/2004			TRUE		TRUE					
16417	HBL040080	SSG	EMPLACED_CNTR	7/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	11/18/2003	3/7/2008	11/18/2003	3/7/2008	5/12/2004			TRUE		TRUE					
16418	HBL040081	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/26/2004	5/13/2004			TRUE		TRUE					
16419	HBL040082	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16420	HBL040083	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16421	HBL040084	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16422	HBL040086	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2005	11/18/2005	6/17/2004	5/12/2004			TRUE		TRUE					
16423	HBL040092	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/25/2004	5/13/2004			TRUE		TRUE					
16424	HBL040094	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/25/2004	5/13/2004			TRUE		TRUE					
16425	HBL040096	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16426	HBL040097	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16427	HBL040098	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/19/2003	11/19/2003	11/19/2003	3/26/2004	5/13/2004			TRUE		TRUE					
16428	HBL040099	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Purge	0	11/19/2003	11/19/2003	11/19/2003	9/6/2004	5/13/2004			TRUE		TRUE					
16429	HBL040100	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16430	HBL040101	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	11/18/2003	11/18/2003	11/18/2003	6/17/2004	5/12/2004			TRUE		TRUE					
16431	HBL040102	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	Remediate	1	12/10/2003	8/3/2007	12/10/2003	8/3/2007	6/3/2004			TRUE		TRUE					
16432	HBL040103	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16433	HBL040104	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16434	HBL040105	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2004	6/3/2004			TRUE		TRUE					
16435	HBL040106	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16436	HBL040107	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2004	6/3/2004			TRUE		TRUE					
16437	HBL040108	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16438	HBL040109	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	12/10/2003		12/10/2003		6/3/2004			TRUE		TRUE					
16439	HBL040110	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2004	6/3/2004			TRUE		TRUE					
16440	HBL040111	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16441	HBL040112	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16442	HBL040113	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2004	6/3/2004			TRUE		TRUE					
16443	HBL040114	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/25/2004	6/3/2004			TRUE		TRUE					
16444	HBL040115	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	12/10/2003	12/10/2003	12/10/2003	3/26/2004	6/3/2004			TRUE		TRUE					
16445	HBL040116	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	1/14/2004	1/14/2004	1/14/2004	3/26/2004	7/8/2004			TRUE		TRUE					
16446	HBL040117	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	1/14/2004	1/14/2004	1/14/2004	3/26/2004	7/8/2004			TRUE		TRUE					
16447	HBL040118	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440	V&P Vent	0	1/14/2004	1/14/2004	1/14/2004	3/26/2004	7/8/2004			TRUE		TRUE					
16448	HBL040119	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16449	HBL040120	SSG	EMPLACED_CNTR	3/29/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16450	HBL040121	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16451	HBL040122	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16452	HBL040123	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16453	HBL040124	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16454	HBL040125	SSG	EMPLACED_CNTR	4/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16455	HBL040126	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16456	HBL040127	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16457	HBL040128	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440		0	2/18/2004		2/18/2004		8/12/2004			TRUE		TRUE					
16458	HBL040129	SSG	EMPLACED_CNTR	8/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-22JH-NET	S5440			2/3/2004		2/3/2004		7/27/2004			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16459	HBL040130	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16460	HBL040131	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16461	HBL040132	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16462	HBL040133	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16463	HBL040134	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16464	HBL040135	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	3/3/2004	9/13/2006	3/3/2004	9/13/2006	8/26/2004			TRUE		TRUE					
16465	HBL040136	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	3/3/2004	3/20/2007	3/3/2004	3/20/2007	8/26/2004			TRUE		TRUE					
16466	HBL040137	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/3/2004		3/3/2004		8/26/2004			TRUE		TRUE					
16467	HBL040138	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/24/2004		6/24/2004		12/17/2004			TRUE		TRUE					
16468	HBL040139	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16469	HBL040143	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			7/30/2004		7/30/2004		1/22/2005			TRUE		TRUE					
16470	HBL040144	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			3/30/2004		3/30/2004		9/22/2004			TRUE		TRUE					
16471	HBL040145	SSG	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16472	HBL040146	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16473	HBL040147	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16474	HBL040148	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16475	HBL040149	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16476	HBL040150	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16477	HBL040151	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16478	HBL040152	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16479	HBL040153	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16480	HBL040154	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16481	HBL040155	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16482	HBL040156	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16483	HBL040157	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16484	HBL040158	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/5/2004		5/5/2004		10/28/2004			TRUE		TRUE					
16485	HBL040159	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	5/5/2004	9/29/2006	5/5/2004	9/29/2006	10/28/2004			TRUE		TRUE					
16486	HBL040160	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16487	HBL040161	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	V&P Vent	0	5/13/2004	5/13/2004	5/13/2004	9/13/2004	11/5/2004			TRUE		TRUE					
16488	HBL040162	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/4/2004			TRUE		TRUE					
16489	HBL040163	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16490	HBL040164	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16491	HBL040166	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16492	HBL040169	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16493	HBL040170	SSG	EMPLACED_CNTR	6/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16494	HBL040171	SSG	EMPLACED_CNTR	9/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16495	HBL040172	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	5/13/2004	6/28/2006	5/13/2004	6/28/2006	11/5/2004			TRUE		TRUE					
16496	HBL040173	SSG	EMPLACED_CNTR	1/21/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	5/13/2004	9/13/2006	5/13/2004	9/13/2006	11/5/2004			TRUE		TRUE					
16497	HBL040174	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/13/2004		5/13/2004		11/5/2004			TRUE		TRUE					
16498	HBL040175	SSG	EMPLACED_CNTR	8/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16499	HBL040176	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/27/2004		5/27/2004		11/19/2004			TRUE		TRUE					
16500	HBL040177	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/25/2004		5/25/2004		11/17/2004			TRUE		TRUE					
16501	HBL040178	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			5/26/2004		5/26/2004		11/18/2004			TRUE		TRUE					
16502	HBL040179	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16503	HBL040181	SSG	EMPLACED_CNTR	6/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16504	HBL040182	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	7/1/2004	5/7/2005	7/1/2004	5/7/2005	12/24/2004			TRUE		TRUE					
16505	HBL040183	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16506	HBL040184	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16507	HBL040186	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16508	HBL040187	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16509	HBL040188	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	6/23/2004	7/25/2006	6/23/2004	7/25/2006	12/16/2004			TRUE		TRUE					
16510	HBL040189	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16511	HBL040190	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16512	HBL040192	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16513	HBL040193	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16514	HBL040194	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16515	HBL040195	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16516	HBL040197	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16517	HBL040198	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	6/23/2004	5/17/2006	6/23/2004	5/17/2006	12/16/2004			TRUE		TRUE					
16518	HBL040199	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	6/23/2004	11/30/2004	6/23/2004	11/30/2004	12/16/2004			TRUE		TRUE					
16519	HBL040200	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16520	HBL040201	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			6/23/2004		6/23/2004		12/16/2004			TRUE		TRUE					
16521	HBL040202	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	12/8/2004	6/7/2006	12/8/2004	6/7/2006	6/2/2005			TRUE		TRUE					
16522	HBL040203	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			7/2/2004		7/2/2004		12/25/2004			TRUE		TRUE					
16523	HBL040204	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			1/12/2005		1/12/2005		7/7/2005			TRUE		TRUE					
16524	HBL040205	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			2/23/2005		2/23/2005		8/18/2005			TRUE		TRUE					
16525	HBL040206	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	7/2/2004	2/18/2008	7/2/2004	2/18/2008	12/25/2004			TRUE		TRUE					
16526	HBL040207	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	12/15/2004	11/13/2006	12/15/2004	11/13/2006	6/9/2005			TRUE		TRUE					
16527	HBL040208	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16528	HBL040209	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16529	HBL040210	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16530	HBL040211	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			7/2/2004		7/2/2004		12/25/2004			TRUE		TRUE					
16531	HBL040212	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16532	HBL040213	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16533	HBL040217	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16534	HBL040218	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16535	HBL040219	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16536	HBL040220	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16537	HBL040221	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			8/18/2004		8/18/2004		2/10/2005			TRUE		TRUE					
16538	HBL040222	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/15/2004		12/15/2004		6/9/2005			TRUE		TRUE					
16539	HBL040223	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			12/15/2004		12/15/2004		6/9/2005			TRUE		TRUE					
16540	HBL040224	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16541	HBL040225	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16542	HBL040226	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16543	HBL040227	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	8/10/2004	12/21/2007	8/10/2004	12/21/2007	2/2/2005			TRUE		TRUE					
16544	HBL040228	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					
16545	HBL040229	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440	Remediate	1	11/3/2004	6/18/2006	11/3/2004	6/18/2006	4/28/2005			TRUE		TRUE					
16546	HBL040230	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMS_Updt	SR-W027-22JH-HET	S5440			11/3/2004		11/3/2004		4/28/2005			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16547	HBL040231	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16548	HBL040232	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			11/18/2004		11/18/2004		5/13/2005			TRUE		TRUE					
16549	HBL050001	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/8/2004		12/8/2004		6/2/2005			TRUE		TRUE					
16550	HBL050002	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/13/2004		12/13/2004		6/2/2005			TRUE		TRUE					
16551	HBL050003	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16552	HBL050004	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16553	HBL050005	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/24/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16554	HBL050006	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/18/2004		12/18/2004		6/12/2005			TRUE		TRUE					
16555	HBL050007	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16556	HBL050008	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16557	HBL050009	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16558	HBL050010	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/28/2004		12/28/2004		6/22/2005			TRUE		TRUE					
16559	HBL050011	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/16/2005		3/16/2005		9/8/2005			TRUE		TRUE					
16560	HBL050012	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	2/8/2005	2/13/2008	2/8/2005	2/13/2008	8/3/2005			TRUE		TRUE					
16561	HBL050013	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/8/2005		2/8/2005		8/3/2005			TRUE		TRUE					
16562	HBL050014	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/8/2005		2/8/2005		8/3/2005			TRUE		TRUE					
16563	HBL050015	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/7/2005	12/7/2005	12/7/2005	8/5/2006	6/1/2006			TRUE		TRUE					
16564	HBL050016	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/8/2005		2/8/2005		8/3/2005			TRUE	TRUE	TRUE					
16565	HBL050017	SSG	EMPLACED_CNTR	3/21/2011 14:58	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		1	2/8/2005		2/8/2005		8/3/2005			TRUE		TRUE					
16566	HBL050018	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	2/8/2005	10/2/2006	2/8/2005	10/2/2006	8/3/2005			TRUE		TRUE					
16567	HBL050019	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/7/2005		2/7/2005		8/2/2005			TRUE		TRUE					
16568	HBL050020	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/21/2005		3/21/2005		9/13/2005			TRUE		TRUE					
16569	HBL050021	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/30/2005		3/30/2005		9/22/2005			TRUE		TRUE					
16570	HBL050022	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/21/2005		3/21/2005		9/13/2005			TRUE		TRUE					
16571	HBL050023	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/15/2005		4/15/2005		10/8/2005			TRUE		TRUE					
16572	HBL050025	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/30/2005		3/30/2005		9/22/2005			TRUE		TRUE					
16573	HBL050026	SSG	EMPLACED_CNTR	6/26/2010 19:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			3/16/2005		3/16/2005		9/8/2005			TRUE		TRUE					
16574	HBL050030	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/14/2005		4/14/2005		10/7/2005			TRUE		TRUE					
16575	HBL050031	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	4/14/2005	4/24/2007	4/14/2005	4/14/2007	10/7/2005			TRUE		TRUE					
16576	HBL050035	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	3/16/2005	10/23/2007	3/16/2005	10/23/2007	9/8/2005			TRUE		TRUE					
16577	HBL050036	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/20/2005		4/20/2005		10/13/2005			TRUE		TRUE					
16578	HBL050037	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/20/2005		4/20/2005		10/13/2005			TRUE		TRUE					
16579	HBL050038	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/20/2005		4/20/2005		10/13/2005			TRUE		TRUE					
16580	HBL050039	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/20/2005		4/20/2005		10/13/2005			TRUE		TRUE					
16581	HBL050041	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
16582	HBL050045	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
16583	HBL050046	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
16584	HBL050048	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	5/25/2005	8/3/2007	5/25/2005	8/3/2007	11/17/2005			TRUE		TRUE					
16585	HBL050049	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/29/2005		6/29/2005		12/22/2005			TRUE		TRUE					
16586	HBL050050	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/29/2005	3/13/2008	6/29/2005	3/13/2008	12/22/2005			TRUE		TRUE					
16587	HBL050051	SSG	EMPLACED_CNTR	9/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/29/2005		6/29/2005		12/22/2005			TRUE		TRUE					
16588	HBL050052	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/29/2005		6/29/2005		12/22/2005			TRUE		TRUE					
16589	HBL050053	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/29/2005		6/29/2005		12/22/2005			TRUE		TRUE					
16590	HBL050054	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			8/15/2005		8/15/2005		2/7/2006			TRUE		TRUE					
16591	HBL050055	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/29/2005		6/29/2005					TRUE		TRUE					
16592	HBL050056	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			7/14/2005		7/14/2005		1/6/2006			TRUE		TRUE					
16593	HBL050057	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			6/13/2005		6/13/2005		12/16/2005			TRUE		TRUE					
16594	HBL050058	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			7/13/2005		7/13/2005		1/5/2006			TRUE		TRUE					
16595	HBL050059	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			7/12/2005		7/12/2005		1/4/2006			TRUE		TRUE					
16596	HBL050061	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			7/13/2005		7/13/2005		1/5/2006			TRUE		TRUE					
16597	HBL050067	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			7/13/2005		7/13/2005		1/5/2006			TRUE		TRUE					
16598	HBL050071	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			8/15/2005		8/15/2005		2/7/2006			TRUE		TRUE					
16599	HBL050073	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			10/30/2005		10/30/2005		4/24/2006			TRUE		TRUE					
16600	HBL050074	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			8/15/2005		8/15/2005		2/7/2006			TRUE		TRUE					
16601	HBL050076	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16602	HBL050077	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16603	HBL050078	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16604	HBL050079	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/13/2005		9/13/2005		3/8/2006			TRUE		TRUE					
16605	HBL050080	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16606	HBL050081	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16607	HBL050082	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/14/2005		9/14/2005		3/9/2006			TRUE		TRUE					
16608	HBL050094	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
16609	HBL050096	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
16610	HBL060001	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
16611	HBL060009	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			11/7/2005		11/7/2005		5/1/2006			TRUE		TRUE					
16612	HBL060011	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			11/7/2005		11/7/2005					TRUE		TRUE					
16613	HBL060014	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/7/2005		12/7/2005					TRUE		TRUE					
16614	HBL060015	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	4/3/2006	10/16/2007	4/3/2006	10/16/2007	9/26/2006			TRUE		TRUE					
16615	HBL060016	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006					TRUE		TRUE					
16616	HBL060017	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16617	HBL060018	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			4/3/2006		4/3/2006					TRUE		TRUE					
16618	HBL060019	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006					TRUE		TRUE					
16619	HBL060020	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16620	HBL060021	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16621	HBL060022	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005					TRUE		TRUE					
16622	HBL060023	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16623	HBL060024	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16624	HBL060025	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/20/2005		6/14/2006			TRUE		TRUE					
16625	HBL060026	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			12/20/2005		12/29/2005		6/14/2006			TRUE		TRUE					
16626	HBL060027	SSG	EMPLACED_CNTR	10/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16627	HBL060028	SSG	EMPLACED_CNTR	10/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			1/18/2006		1/18/2006		7/13/2006			TRUE		TRUE					
16628	HBL060029	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			1/25/2006		1/25/2006		7/20/2006			TRUE		TRUE					
16629	HBL060030	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			1/18/2006		1/18/2006		7/13/2006			TRUE		TRUE					
16630	HBL060031	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/25/2005	4/3/2008	12/25/2005	4/3/2008	6/19/2006			TRUE		TRUE					
16631	HBL060032	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			1/18/2006		1/18/2006		7/13/2006			TRUE		TRUE					
16632	HBL060033	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16633	HBL060035	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16634	HBL060036	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16635	HBLD60037	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16636	HBL060038	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16637	HBL060040	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2006		1/18/2006					TRUE		TRUE					
16638	HBL060041	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/9/2006		3/9/2006					TRUE		TRUE					
16639	HBL060043	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/13/2006		1/13/2006		7/8/2006			TRUE		TRUE					
16640	HBL060044	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2006		1/18/2006					TRUE		TRUE					
16641	HBL060045	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16642	HBL060046	SSG	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16643	HBL060047	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/9/2006		2/9/2006		8/4/2006			TRUE		TRUE					
16644	HBL060048	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/10/2006		2/10/2006		8/5/2006			TRUE		TRUE					
16645	HBL060049	SSG	EMPLACED_CNTR	11/21/2009 14:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			7/6/2006		7/6/2006		12/29/2006			TRUE		TRUE					
16646	HBL060050	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/6/2006		7/6/2006		12/29/2006			TRUE		TRUE					
16647	HBL060051	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/3/2006		3/3/2006		8/26/2006			TRUE	TRUE	TRUE					
16648	HBL060053	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16649	HBL060054	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16650	HBL060055	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16651	HBL060056	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16652	HBL060057	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16653	HBL060058	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/17/2006		3/17/2006		9/9/2006			TRUE		TRUE					
16654	HBL060059	SSG	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/8/2006		3/8/2006		8/31/2006			TRUE		TRUE					
16655	HBL060060	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16656	HBL060061	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/8/2006		3/8/2006					TRUE		TRUE					
16657	HBL060062	SSG	EMPLACED_CNTR	1/15/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/10/2006		5/10/2006		11/2/2006			TRUE		TRUE					
16658	HBL060063	SSG	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/19/2006		3/19/2006		9/11/2006			TRUE		TRUE					
16659	HBL060064	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/20/2006		3/20/2006		9/12/2006			TRUE		TRUE					
16660	HBL060065	SSG	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/21/2006		3/21/2006		9/13/2006			TRUE		TRUE					
16661	HBL060066	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006		9/26/2006			TRUE		TRUE					
16662	HBL060067	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006					TRUE		TRUE					
16663	HBL060068	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006					TRUE		TRUE					
16664	HBL060069	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006					TRUE		TRUE					
16665	HBL060070	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006					TRUE		TRUE					
16666	HBL060071	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/3/2006		4/3/2006					TRUE		TRUE					
16667	HBL060072	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16668	HBL060073	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16669	HBL060074	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16670	HBL060076	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16671	HBL060077	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/21/2006	6/21/2007	4/21/2006	6/21/2007	10/14/2006			TRUE		TRUE					
16672	HBL060079A	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/2009		12/3/2009		5/28/2010			TRUE		TRUE					
16673	HBL060081	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/21/2006	11/20/2006	4/21/2006	11/20/2006	10/14/2006			TRUE		TRUE					
16674	HBL060082	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16675	HBL060084	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/21/2006		4/21/2006					TRUE		TRUE					
16676	HBL060085	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/1/2006		5/1/2006		10/24/2006			TRUE		TRUE					
16677	HBL060086	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/1/2006		5/1/2006		10/24/2006			TRUE		TRUE					
16678	HBL060087	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/2006	1/12/2008	7/6/2006	1/12/2008	12/29/2006			TRUE		TRUE					
16679	HBL060088	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			4/30/2006		4/30/2006		10/23/2006			TRUE		TRUE					
16680	HBL060089	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/26/2006		6/26/2006		12/19/2006			TRUE		TRUE					
16681	HBL060090	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/2006	1/12/2008		1/12/2008	12/29/2006			TRUE		TRUE					
16682	HBL060091	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/26/2006	12/24/2007	6/26/2006	12/24/2007	12/19/2006			TRUE		TRUE					
16683	HBL060092	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/26/2006	3/21/2008	6/26/2006	3/21/2008	12/19/2006			TRUE		TRUE					
16684	HBL060093	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/27/2006	12/28/2007	6/27/2006	12/28/2007	12/20/2006			TRUE		TRUE					
16685	HBL060094	SSG	EMPLACED_CNTR	11/6/2010 11:03	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/27/2006	12/3/2009	6/27/2006	12/3/2009	12/20/2006			TRUE		TRUE					
16686	HBL060096	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/25/2006		5/25/2006					TRUE		TRUE					
16687	HBL060097	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/25/2006		5/25/2006					TRUE		TRUE					
16688	HBL060098	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/25/2006		5/25/2006					TRUE		TRUE					
16689	HBL060099	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/25/2006		5/25/2006					TRUE		TRUE					
16690	HBL060100	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			5/25/2006		5/25/2006					TRUE		TRUE					
16691	HBL060102	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/27/2006	12/26/2007	6/27/2006	12/26/2007	12/20/2006			TRUE		TRUE					
16692	HBL060103	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/27/2006		6/27/2006		12/20/2006			TRUE		TRUE					
16693	HBL060104	SSG	EMPLACED_CNTR	8/26/2010 19:51	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/27/2006	12/28/2007	6/27/2006	12/28/2007	12/20/2006			TRUE		TRUE					
16694	HBL060105	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/27/2006		6/27/2006		12/20/2006			TRUE		TRUE					
16695	HBL060106	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/13/2006		6/13/2006					TRUE		TRUE					
16696	HBL060108	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/16/2006		6/16/2006					TRUE		TRUE					
16697	HBL060109	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/16/2006		6/16/2006					TRUE		TRUE					
16698	HBL060111	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/16/2006		6/16/2006					TRUE		TRUE					
16699	HBL060112	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/13/2006		6/13/2006					TRUE		TRUE					
16700	HBL060113	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/22/2006		8/22/2006					TRUE		TRUE					
16701	HBL060114	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/22/2006	8/22/2006	8/22/2006	12/7/2006	2/14/2007			TRUE		TRUE					
16702	HBL060115	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/6/2006		7/6/2006		12/29/2006			TRUE		TRUE					
16703	HBL060116	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/2006	1/12/2008	7/6/2006	1/12/2008	12/29/2006			TRUE		TRUE					
16704	HBL060117	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/2006	2/25/2008	7/6/2006	2/25/2008	12/29/2006			TRUE		TRUE					
16705	HBL060117A	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/25/2008		2/25/2008		8/19/2008			TRUE		TRUE					
16706	HBL060118	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/2006	12/28/2007	7/6/2006	12/28/2007	12/29/2006			TRUE		TRUE					
16707	HBL060119	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/9/2006		8/9/2006		2/1/2007			TRUE		TRUE					
16708	HBL060120	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/9/2006		8/9/2006		2/1/2007			TRUE		TRUE					
16709	HBL060121	SSG	EMPLACED_CNTR	8/26/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/1/2006		11/1/2006					TRUE		TRUE					
16710	HBL060122	SSG	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/9/2006		8/9/2006		2/1/2007			TRUE		TRUE					
16711	HBL060123	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/9/2006		8/9/2006		2/1/2007			TRUE		TRUE					
16712	HBL060124	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16713	HBL060125	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16714	HBL060126	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/17/2006		8/17/2006					TRUE		TRUE					
16715	HBL060127	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16716	HBL060128	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/17/2006		8/17/2006					TRUE		TRUE					
16717	HBL060129	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16718	HBL060130	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16719	HBL060131	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16720	HBL060132	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16721	HBL060133	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16722	HBL060134	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16723	HBL060135	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16724	HBL060136	55G	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/1/2006		8/1/2006		1/24/2007			TRUE		TRUE					
16725	HBL060137	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16726	HBL060138	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/1/2006		8/1/2006					TRUE		TRUE					
16727	HBL060139	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/27/2006		6/27/2006					TRUE		TRUE					
16728	HBL060140	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16729	HBL060141	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			6/18/2006		8/18/2006					TRUE		TRUE					
16730	HBL060142	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/18/2006	6/19/2007	8/18/2006	6/19/2007	2/10/2007			TRUE		TRUE					
16731	HBL060143	55G	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/22/2006		8/22/2006		2/14/2007			TRUE		TRUE					
16732	HBL060144	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/22/2006		8/22/2006					TRUE		TRUE					
16733	HBL060145	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/17/2006		8/17/2006					TRUE		TRUE					
16734	HBL060146	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16735	HBL060147	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/22/2006		8/22/2006					TRUE		TRUE					
16736	HBL060148	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16737	HBL060149	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16738	HBL060150	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			8/18/2006		8/18/2006					TRUE		TRUE					
16739	HBL060151	55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/22/2006	2/5/2008	8/22/2006	2/5/2008	2/14/2007			TRUE		TRUE					
16740	HBL060154	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16741	HBL060155	55G	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16742	HBL060156	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16743	HBL060157	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16744	HBL060158	55G	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16745	HBL060159	55G	EMPLACED_CNTR	7/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16746	HBL060160	55G	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16747	HBL060161	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16748	HBL060162	55G	EMPLACED_CNTR	8/26/2010 19:20	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			9/13/2006		9/13/2006					TRUE		TRUE					
16749	HBL060163	55G	EMPLACED_CNTR	8/26/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			9/13/2006		9/13/2006					TRUE		TRUE					
16750	HBL060164	55G	EMPLACED_CNTR	8/26/2010 19:20	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			9/13/2006		9/13/2006					TRUE		TRUE					
16751	HBL060165	55G	EMPLACED_CNTR	10/6/2010 22:56	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			9/13/2006		9/13/2006					TRUE		TRUE					
16752	HBL060166	55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			9/13/2006		9/13/2006					TRUE		TRUE					
16753	HBL060178	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		1	9/22/2006		9/22/2006		3/17/2007			TRUE		TRUE					
16754	HBL060179	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16755	HBL060180	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16756	HBL060181	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16757	HBL060182	55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16758	HBL060183	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16759	HBL060184	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16760	HBL060186	55G	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16761	HBL070001	55G	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16762	HBL070002	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16763	HBL070003	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16764	HBL070004	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16765	HBL070005	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16766	HBL070006	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/11/2006		10/11/2006					TRUE		TRUE					
16767	HBL070009	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/29/2006		10/29/2006					TRUE		TRUE					
16768	HBL070010	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/20/2006		10/20/2006					TRUE		TRUE					
16769	HBL070011	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/20/2006		10/20/2006					TRUE		TRUE					
16770	HBL070013	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/6/2006		12/6/2006					TRUE		TRUE					
16771	HBL070014	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/17/2006		11/17/2006					TRUE		TRUE					
16772	HBL070015	55G	EMPLACED_CNTR	8/26/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/2/2006		11/2/2006					TRUE		TRUE					
16773	HBL070016	55G	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			10/29/2006		10/29/2006					TRUE		TRUE					
16774	HBL070019	55G	EMPLACED_CNTR	8/26/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/1/2006		11/1/2006					TRUE		TRUE					
16775	HBL070020	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/4/2006		11/4/2006					TRUE		TRUE					
16776	HBL070021	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/4/2006		11/4/2006					TRUE		TRUE					
16777	HBL070022	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/17/2006		11/17/2006					TRUE		TRUE					
16778	HBL070023	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/11/2006		11/11/2006					TRUE		TRUE					
16779	HBL070024	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/11/2006		11/11/2006					TRUE		TRUE					
16780	HBL070025	55G	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/17/2006		11/17/2006					TRUE		TRUE					
16781	HBL070026	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/27/2006		11/27/2006					TRUE		TRUE					
16782	HBL070027	55G	EMPLACED_CNTR	8/11/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/27/2006		11/27/2006					TRUE		TRUE					
16783	HBL070028	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/6/2006		12/6/2006					TRUE		TRUE					
16784	HBL070029	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/6/2006		12/6/2006					TRUE		TRUE					
16785	HBL070030	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/6/2006		12/6/2006					TRUE		TRUE					
16786	HBL070031	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/6/2006		12/6/2006					TRUE		TRUE					
16787	HBL070032	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			11/27/2006		11/27/2006					TRUE		TRUE					
16788	HBL070034	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2007		1/18/2007					TRUE		TRUE					
16789	HBL070035	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/18/2006	11/9/2007	12/18/2006	11/9/2007	6/12/2007			TRUE		TRUE					
16790	HBL070036	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/18/2006		12/18/2006					TRUE		TRUE					
16791	HBL070037	55G	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/18/2006		12/18/2006					TRUE		TRUE					
16792	HBL070039	55G	EMPLACED_CNTR	10/27/2010 19:11	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/18/2006		12/18/2006					TRUE		TRUE					
16793	HBL070040	55G	EMPLACED_CNTR	8/26/2010 19:20	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			12/18/2006		12/18/2006					TRUE		TRUE					
16794	HBL070041	55G	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2007		1/18/2007					TRUE		TRUE					
16795	HBL070042	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2007		1/18/2007					TRUE		TRUE					
16796	HBL070044	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2007		1/18/2007					TRUE		TRUE					
16797	HBL070046	55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2006		1/18/2006					TRUE		TRUE					
16798	HBL070047	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2006		1/18/2006					TRUE		TRUE					
16799	HBL070048	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2007		1/18/2007					TRUE		TRUE					
16800	HBL070049	55G	EMPLACED_CNTR	8/26/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/18/2006		1/18/2006					TRUE		TRUE					
16801	HBL070050	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/14/2007		2/14/2007					TRUE		TRUE					
16802	HBL070052	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/14/2007		2/14/2007					TRUE		TRUE					
16803	HBL070053	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/14/2007		2/14/2007					TRUE		TRUE					
16804	HBL070054	55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/1/2007		2/1/2007					TRUE		TRUE					
16805	HBL070056	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			1/31/2007		1/31/2007					TRUE		TRUE					
16806	HBL070057	55G	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/14/2007		2/14/2007					TRUE		TRUE					
16807	HBL070058	55G	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			2/14/2007		2/14/2007					TRUE		TRUE					
16808	HBL070059	55G	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/1/2007		2/1/2007		7/27/2007			TRUE		TRUE					
16809	HBL070063	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440			3/1/2007		3/1/2007		8/25/2007			TRUE		TRUE					
16810	HBL070064	55G	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		1	2/21/2007		2/21/2007		8/16/2007			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1681	HBL070065	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/26/2007		2/26/2007		8/21/2007			TRUE		TRUE					
1681	HBL070066	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070067	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070068	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070069	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070070	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070071	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070072	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			2/18/2007		2/18/2007		8/14/2007			TRUE		TRUE					
1681	HBL070073	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1682	HBL070076	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	2/27/2007		2/27/2007		8/22/2007			TRUE		TRUE					
1682	HBL070077	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			3/2/2007		3/2/2007		8/25/2007			TRUE		TRUE					
1682	HBL070078	SSG	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/13/2007		3/13/2007		9/4/2007			TRUE		TRUE					
1682	HBL070079	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/13/2007		3/13/2007		9/5/2007			TRUE		TRUE					
1682	HBL070080	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			3/1/2007		3/1/2007		8/25/2007			TRUE		TRUE					
1682	HBL070081	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			3/1/2007		3/1/2007		8/25/2007			TRUE		TRUE					
1682	HBL070082	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/1/2007		3/1/2007		8/24/2007			TRUE		TRUE					
1682	HBL070083	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/16/2007		3/16/2007		9/8/2007			TRUE		TRUE					
1682	HBL070084	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/20/2007		3/20/2007		9/12/2007			TRUE		TRUE					
1682	HBL070085	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/21/2007		3/21/2007		9/13/2007			TRUE		TRUE					
1683	HBL070088	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/13/2006		3/13/2006		9/15/2006			TRUE		TRUE					
1683	HBL070089	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/13/2007		3/13/2007		9/15/2007			TRUE		TRUE					
1683	HBL070090	SSG	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/26/2007		3/26/2007		9/18/2007			TRUE		TRUE					
1683	HBL070091	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		1	4/11/2007		4/11/2007		10/4/2007			TRUE		TRUE					
1683	HBL070093	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/27/2007		3/27/2007		9/19/2007			TRUE		TRUE					
1683	HBL070094	SSG	EMPLACED_CNTR	3/29/2010 23:46	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/29/2007		3/29/2007		9/21/2007			TRUE		TRUE					
1683	HBL070095	SSG	EMPLACED_CNTR	4/17/2010 14:24	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	3/30/2007		3/30/2007		9/22/2007			TRUE		TRUE					
1683	HBL070096	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	4/2/2007	6/13/2008	4/2/2007	6/12/2008	9/25/2007			TRUE	TRUE	TRUE					
1683	HBL070097	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	4/3/2007	12/22/2009	4/3/2007	12/22/2009	9/26/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1683	HBL070097A	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-221M-HET	55440		0	12/12/2009		12/12/2009		6/16/2010			TRUE		TRUE					
1684	HBL070098	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1684	HBL070099	SSG	EMPLACED_CNTR	8/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1684	HBL070100	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1684	HBL070102	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1684	HBL070103	SSG	EMPLACED_CNTR	1/25/2010 16:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	4/4/2007		4/4/2007		9/27/2007			TRUE		TRUE					
1684	HBL070104	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	4/10/2007		4/10/2007		10/3/2007			TRUE		TRUE					
1684	HBL070105	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	4/11/2007		4/11/2007		10/4/2007			TRUE		TRUE					
1684	HBL070106	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	4/12/2007		4/12/2007		10/5/2007			TRUE		TRUE					
1684	HBL070107	SSG	EMPLACED_CNTR	1/25/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		0	4/16/2007		4/16/2007		10/9/2007			TRUE		TRUE					
1684	HBL070108	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	4/23/2007	3/16/2008	4/23/2007	3/16/2008	10/16/2007			TRUE		TRUE					
1685	HBL070109	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/11/2007		4/11/2007		10/5/2007			TRUE		TRUE					
1685	HBL070110	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/23/2007		4/23/2007		10/17/2007			TRUE		TRUE					
1685	HBL070111	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/23/2007		4/23/2007		10/17/2007			TRUE		TRUE					
1685	HBL070112	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/23/2007		4/23/2007		10/17/2007			TRUE		TRUE					
1685	HBL070113	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/23/2007		4/23/2007		10/17/2007			TRUE		TRUE					
1685	HBL070114	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			4/23/2007		4/23/2007		10/17/2007			TRUE		TRUE					
1685	HBL070115	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/15/2007		5/15/2007		11/8/2007			TRUE		TRUE					
1685	HBL070116	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/14/2007		5/14/2007		11/7/2007			TRUE		TRUE					
1685	HBL070118	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/2/2007		5/2/2007		10/26/2007			TRUE		TRUE					
1685	HBL070119	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440		1	5/14/2007		5/14/2007		11/6/2007			TRUE		TRUE					
1685	HBL070120	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/15/2007		5/15/2007		11/8/2007			TRUE		TRUE					
1685	HBL070121	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/15/2007		5/15/2007		11/8/2007			TRUE		TRUE					
1686	HBL070122	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/29/2007		5/29/2007		11/22/2007			TRUE		TRUE					
1686	HBL070123	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			5/24/2007		5/24/2007		11/17/2007			TRUE		TRUE					
1686	HBL070126	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	5/24/2007	4/18/2008	5/24/2007	4/18/2008	11/16/2007			TRUE		TRUE					
1686	HBL070127	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440	Remediate	1	5/29/2007	6/23/2008	5/29/2007	6/23/2008	11/21/2007			TRUE		TRUE					
1686	HBL070128	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1686	HBL070129	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1686	HBL070130	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1686	HBL070131	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1687	HBL070132	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1687	HBL070134	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/12/2007		6/12/2007		12/6/2007			TRUE		TRUE					
1687	HBL070135	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			6/27/2007		6/27/2007		12/21/2007			TRUE		TRUE					
1687	HBL070136	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			7/11/2007		7/11/2007		1/4/2008			TRUE		TRUE					
1687	HBL070137	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			7/11/2007		7/11/2007		1/4/2008			TRUE		TRUE					
1687	HBL070138	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			7/11/2007		7/11/2007		1/4/2008			TRUE		TRUE					
1687	HBL070139	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			7/11/2007		7/11/2007		1/4/2008			TRUE		TRUE					
1687	HBL070141	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			8/5/2007		8/5/2007		1/29/2008			TRUE		TRUE					
1687	HBL070142	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			8/5/2007		8/5/2007		1/29/2008			TRUE		TRUE					
1687	HBL070143	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			8/20/2007		8/20/2007		2/13/2008			TRUE		TRUE					
1688	HBL070144	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			8/20/2007		8/20/2007		2/13/2008			TRUE		TRUE					
1688	HBL070145	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		3/21/2008			TRUE		TRUE					
1688	HBL070146	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		3/21/2008			TRUE		TRUE					
1688	HBL070147	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		3/21/2008			TRUE		TRUE					
1688	HBL070148	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		3/21/2008			TRUE		TRUE					
1688	HBL070149	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		8/21/2008			TRUE		TRUE					
1688	HBL070150	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			9/26/2007		9/26/2007		3/21/2008			TRUE		TRUE					
1688	HBL070151	SSG	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			10/15/2007		10/15/2007		4/8/2008			TRUE		TRUE					
1688	HBL070152	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			10/15/2007		10/15/2007		4/8/2008			TRUE		TRUE					
1688	HBL070155	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			11/20/2007		11/20/2007		5/14/2008			TRUE		TRUE					
1689	HBL070156	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			11/20/2007		11/20/2007		5/14/2008			TRUE		TRUE					
1689	HBL070157	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			11/14/2007		11/14/2007		5/8/2008			TRUE		TRUE					
1689	HBL070158	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			11/14/2007		11/14/2007		5/8/2008			TRUE		TRUE					
1689	HBL070159	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/4/2007		12/4/2007		5/28/2008			TRUE		TRUE					
1689	HBL070160	SSG	EMPLACED_CNTR	8/26/2010 19:30	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/4/2007		12/4/2007		5/28/2008			TRUE		TRUE					
1689	HBL070161	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/3/2007		12/3/2007		5/27/2008			TRUE		TRUE					
1689	HBL070162	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/6/2007		12/6/2007		5/30/2008			TRUE		TRUE					
1689	HBL070163	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/6/2007		12/6/2007		5/30/2008			TRUE		TRUE					
1689	HBL070164	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-HET	55440			12/6/2007		12/6/2007		5/30/2008			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16899	MBL070165	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/17/2007		12/17/2007		6/10/2008			TRUE		TRUE					
16900	MBL070166	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/17/2007		12/17/2007		6/10/2008			TRUE		TRUE					
16901	MBL070167	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/17/2007		12/17/2007		6/10/2008			TRUE		TRUE					
16902	MBL070168	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/19/2007		12/19/2007		6/12/2008			TRUE		TRUE					
16903	MBL070169	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/16/2007		12/16/2007		6/9/2008			TRUE		TRUE					
16904	MBL070170	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/17/2007		12/17/2007		6/10/2008			TRUE		TRUE					
16905	MBL070171	SSG	EMPLACED_CNTR	1/15/2010 18:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/19/2007		12/19/2007		6/12/2008			TRUE		TRUE					
16906	MBL070172	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/17/2007		12/17/2007		6/10/2008			TRUE		TRUE					
16907	MBL070173	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			12/18/2007		12/18/2007		6/12/2008			TRUE		TRUE					
16908	MBL070175	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/13/2008		1/13/2008		7/17/2008			TRUE		TRUE					
16909	MBL080001	SSG	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/13/2008		1/13/2008		7/17/2008			TRUE		TRUE					
16910	MBL080002	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/13/2008		1/13/2008		7/17/2008			TRUE		TRUE					
16911	MBL080003	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/23/2008		1/23/2008		7/17/2008			TRUE		TRUE					
16912	MBL080004	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/23/2008		1/23/2008		7/17/2008			TRUE		TRUE					
16913	MBL080006	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/31/2008		1/31/2008		7/25/2008			TRUE		TRUE					
16914	MBL080007	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			1/31/2008		1/31/2008		7/25/2008			TRUE		TRUE					
16915	MBL080008	SSG	EMPLACED_CNTR	1/9/2010 13:13	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/30/2008		4/30/2008		10/23/2008			TRUE		TRUE					
16916	MBL080009	SSG	EMPLACED_CNTR	7/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			2/14/2008		2/14/2008		8/8/2008			TRUE		TRUE					
16917	MBL080011	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			2/26/2008		2/26/2008		8/20/2008			TRUE		TRUE					
16918	MBL080012	SSG	EMPLACED_CNTR	8/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			2/26/2008		2/26/2008		8/20/2008			TRUE		TRUE					
16919	MBL080013	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			3/11/2008		3/11/2008		9/3/2008			TRUE		TRUE					
16920	MBL080014	SSG	EMPLACED_CNTR	8/24/2010 19:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	3/11/2008		3/11/2008		9/3/2008			TRUE		TRUE					
16921	MBL080016	SSG	EMPLACED_CNTR	8/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440			3/11/2008		3/11/2008		9/3/2008			TRUE		TRUE					
16922	MBL080017	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/30/2008		4/30/2008		10/23/2008			TRUE		TRUE					
16923	MBL080018	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/30/2008		4/30/2008		10/23/2008			TRUE		TRUE					
16924	MBL080019	SSG	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediate	0	5/7/2008	12/14/2009	5/7/2008	12/14/2009	10/30/2008			TRUE		TRUE					
16925	MBL080019A	SSG	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ27-22JH-HET	SS440		0	12/14/2009		12/14/2009		6/8/2010			TRUE		TRUE					
16926	MBL080020	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/7/2008		5/7/2008		10/30/2008			TRUE		TRUE					
16927	MBL080021	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/7/2008		5/7/2008		10/30/2008			TRUE		TRUE					
16928	MBL080022	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/27/2008		5/27/2008		11/19/2008			TRUE		TRUE					
16929	MBL080023	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/29/2008		5/29/2008		11/21/2008			TRUE		TRUE					
16930	MBL080024	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/29/2008		5/29/2008		11/21/2008			TRUE		TRUE					
16931	MBL080025	SSG	EMPLACED_CNTR	11/16/2010 22:38	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediation	0	5/27/2008	12/10/2009	5/27/2008	12/10/2009	11/19/2008			TRUE		TRUE					
16932	MBL080026	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	5/27/2008		5/27/2008		11/19/2008			TRUE		TRUE					
16933	MBL080027	SSG	EMPLACED_CNTR	10/29/2010 14:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	10/15/2008		10/15/2008		4/9/2009			TRUE		TRUE					
16934	MBL080028	SSG	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/11/2008		6/11/2008		12/4/2008			TRUE		TRUE					
16935	MBL080029	SSG	EMPLACED_CNTR	8/26/2010 19:18	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/11/2008		6/11/2008		12/4/2008			TRUE		TRUE					
16936	MBL080030	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/11/2008		6/11/2008		12/4/2008			TRUE		TRUE					
16937	MBL080037	SSG	EMPLACED_CNTR	10/6/2010 22:56	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/18/2008		6/18/2008		12/11/2008			TRUE		TRUE					
16938	MBL080033	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/26/2008		6/26/2008		12/19/2008			TRUE		TRUE					
16939	MBL080035	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/26/2008		6/26/2008		12/19/2008			TRUE		TRUE					
16940	MBL080036	SSG	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	6/26/2008		6/26/2008		12/19/2008			TRUE		TRUE					
16941	MBL080043	SSG	EMPLACED_CNTR	9/11/2012 10:10	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediation	0	9/25/2008	12/9/2009	9/25/2008	12/9/2009	3/20/2009			TRUE	TRUE	TRUE					
16942	MBL080044	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	8/27/2008		8/27/2008		2/19/2009			TRUE		TRUE					
16943	MBL080045	SSG	EMPLACED_CNTR	8/26/2010 19:52	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	8/27/2008		8/27/2008		2/19/2009			TRUE		TRUE					
16944	MBL080047A	SSG	EMPLACED_CNTR	2/11/2011 21:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ27-22JH-HET	SS440		0	12/15/2009		12/15/2009		6/9/2010			TRUE		TRUE					
16945	MBL080056	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	11/14/2008		11/14/2008		5/8/2009			TRUE		TRUE					
16946	MBL080057	SSG	EMPLACED_CNTR	8/26/2010 19:30	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	11/14/2008		11/14/2008		5/8/2009			TRUE		TRUE					
16947	MBL080059	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	11/14/2008		11/14/2008		5/8/2009			TRUE		TRUE					
16948	MBL080061	SSG	EMPLACED_CNTR	8/24/2010 19:19	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/3/2008		12/3/2008		5/28/2009			TRUE		TRUE					
16949	MBL080062	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/3/2008		12/3/2008		5/28/2009			TRUE		TRUE					
16950	MBL080064	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	11/24/2008		11/24/2008		5/19/2009			TRUE		TRUE					
16951	MBL080065	SSG	EMPLACED_CNTR	3/27/2011 12:27	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/3/2008		12/3/2008		5/28/2009	WWIS Status APPROVED_CERT		TRUE	TRUE	TRUE					
16952	MBL080068	SSG	EMPLACED_CNTR	1/31/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/3/2008		12/3/2008		5/28/2009			TRUE		TRUE					
16953	MBL080072	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/17/2008		12/17/2008		6/11/2009			TRUE		TRUE					
16954	MBL080073	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	12/17/2008		12/17/2008		6/11/2009			TRUE		TRUE					
16955	MBL080079	SSG	EMPLACED_CNTR	11/16/2010 11:28	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediate	0	2/3/2009	12/14/2009	2/3/2009	12/14/2009	7/29/2009			TRUE		TRUE					
16956	MBL090081	SSG	EMPLACED_CNTR	8/26/2010 14:38	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	2/3/2009		2/3/2009		7/29/2009			TRUE		TRUE					
16957	MBL090003	SSG	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	2/12/2009		2/12/2009		8/7/2009			TRUE		TRUE					
16958	SR111605	SSB	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediate	1	10/24/1979	3/14/2004	3/4/1998	3/14/2004	8/27/1998			TRUE		TRUE					
16959	SR111605A	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediate	1		3/14/2004		8/14/2004				TRUE		TRUE					
16960	SR114959	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	7/31/1979			10/20/1999				TRUE		TRUE					
16961	SR163520	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	V&P Vent	0	4/11/1985	4/11/1985	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
16962	SR163521	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	V&P Vent	0	4/11/1985	4/11/1985	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					
16963	SR163522	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		11/23/1998		5/18/1999			TRUE		TRUE					
16964	SR163523	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		1/4/1999		7/1/1999			TRUE		TRUE					
16965	SR163524	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16966	SR163525	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		10/28/1998		4/22/1999			TRUE		TRUE					
16967	SR163526	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16968	SR163527	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		11/18/1998		5/13/1999			TRUE		TRUE					
16969	SR163528	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		10/29/1998		4/23/1999			TRUE		TRUE					
16970	SR163529	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		11/23/1998		5/18/1999			TRUE		TRUE					
16971	SR163530	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/7/1998		6/1/1999			TRUE		TRUE					
16972	SR163531	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		10/28/1998		4/22/1999			TRUE		TRUE					
16973	SR163532	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16974	SR163533	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	V&P Vent	0	4/11/1985	4/11/1985	12/31/1999	9/12/2003	6/24/2000			TRUE		TRUE					
16975	SR163534	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		10/26/1998		4/29/1999			TRUE		TRUE					
16976	SR163535	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16977	SR163536	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16978	SR163537	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16979	SR163538	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		11/24/1998		5/19/1999			TRUE		TRUE					
16980	SR163539	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16981	SR161540	SSG	EMPLACED_CNTR	8/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		1/20/1999		7/15/1999			TRUE		TRUE					
16982	SR163541	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	Remediate	1	4/11/1985	3/28/2004	12/31/1999	3/28/2004	6/24/2000			TRUE		TRUE					
16983	SR163542	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16984	SR163543	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16985	SR163544	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440	V&P Vent	0	4/11/1985	4/11/1985	12/31/1999	10/1/2003	6/24/2000			TRUE		TRUE					
16986	SR163545	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-22JH-HET	SS440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16987	SR163546	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16988	SR163547	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16989	SR163548	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	4/11/1985	10/9/2005	12/31/1999	10/9/2005	6/24/2000			TRUE		TRUE					
16990	SR163549	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16991	SR163550	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16992	SR163551	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/11/1985		1/14/1999		7/9/1999			TRUE		TRUE					
16993	SR163552	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16994	SR163553	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16995	SR163554	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16996	SR163555	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
16997	SR163556	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		11/10/1998		5/5/1999			TRUE		TRUE					
16998	SR163557	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	4/25/1985	1/25/2007	12/31/1999	1/25/2007	6/24/2000			TRUE		TRUE					
16999	SR163558	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		1/20/1999		7/15/1999			TRUE		TRUE					
17000	SR163559	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		10/22/1998		4/16/1999			TRUE		TRUE					
17001	SR163560	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17002	SR163561	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17003	SR163562	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	4/25/1985	3/13/2004	12/31/1999	3/13/2004	6/24/2000			TRUE		TRUE					
17004	SR163563	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		10/26/1998		4/20/1999			TRUE		TRUE					
17005	SR163564	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17006	SR163565	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		10/26/1998		4/20/1999			TRUE		TRUE					
17007	SR163566	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17008	SR163567	SSG	EMPLACED_CNTR	10/16/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17009	SR163568	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17010	SR163569	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	4/25/1985	2/17/2004	12/31/1999	2/17/2004	6/24/2000			TRUE		TRUE					
17011	SR163570	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/3/1998		5/28/1999			TRUE		TRUE					
17012	SR163571	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17013	SR163572	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	4/25/1985	4/25/1985	12/31/1999	9/26/2003	6/24/2000			TRUE		TRUE					
17014	SR163573	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		11/5/1998		4/30/1999			TRUE		TRUE					
17015	SR163574	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	4/25/1985	12/21/2005	2/16/1999	12/21/2005	8/11/1999			TRUE		TRUE					
17016	SR163575	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17017	SR163576	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	4/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17018	SR163578	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	5/2/1985	5/2/1985	12/31/1999	10/13/2003	6/24/2000			TRUE		TRUE					
17019	SR163579	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		11/10/1998		5/5/1999			TRUE		TRUE					
17020	SR163580	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17021	SR163581	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/2/1985	3/31/2004	12/31/1999	3/31/2004	6/24/2000			TRUE		TRUE					
17022	SR163583	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/2/1985	5/17/2006	12/31/1999	5/17/2006	6/24/2000			TRUE		TRUE					
17023	SR163584	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	5/2/1985	5/2/1985	12/31/1999	9/23/2003	6/24/2000			TRUE		TRUE					
17024	SR163586	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Purge	0	5/2/1985	5/2/1985	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					
17025	SR163587	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17026	SR163588	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		10/29/1998		4/20/1999			TRUE		TRUE					
17027	SR163589	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17028	SR163590	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		10/22/1998		4/16/1999			TRUE		TRUE					
17029	SR163591	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17030	SR163592	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17031	SR163593	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17032	SR163594	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17033	SR163595	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		10/29/1998		4/23/1999			TRUE		TRUE					
17034	SR163596	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/2/1985	3/6/2004	12/31/1999	3/6/2004	6/24/2000			TRUE		TRUE					
17035	SR163597	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17036	SR163598	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17037	SR163599	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		11/24/1998		5/18/1999			TRUE		TRUE					
17038	SR163600	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		11/5/1998		4/30/1999			TRUE		TRUE					
17039	SR163601	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17040	SR163602	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		2/18/1999		8/13/1999			TRUE		TRUE					
17041	SR163603	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/16/1998		6/10/1999			TRUE		TRUE					
17042	SR163604	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/2/1985	9/2/2006	11/18/1998	9/2/2006	5/13/1999			TRUE		TRUE					
17043	SR163605	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/2/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17044	SR163606	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		11/17/1998		5/12/1999			TRUE		TRUE					
17045	SR163607	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17046	SR163608	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17047	SR163610	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17048	SR163611	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17049	SR163612	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		1/18/1999		7/13/1999			TRUE		TRUE					
17050	SR163613	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17051	SR163614	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17052	SR163615	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		11/12/1998		5/7/1999			TRUE		TRUE					
17053	SR163616	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17054	SR163617	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17055	SR163618	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		2/18/1999		8/13/1999			TRUE		TRUE					
17056	SR163619	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		10/29/1998		4/23/1999			TRUE		TRUE					
17057	SR163620	SSG	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17058	SR163621	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/9/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17059	SR163622	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Lid Removal	0	5/23/1985	2/18/2003	12/31/1999	2/19/2003	6/24/2000			TRUE		TRUE					
17060	SR163623	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	5/23/1985	5/23/1985	12/31/1999	10/13/2003	6/24/2000			TRUE		TRUE					
17061	SR163624	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		1/25/1999		7/20/1999			TRUE		TRUE					
17062	SR163625	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17063	SR163626	SSG	EMPLACED_CNTR	8/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		11/9/1998		5/4/1999			TRUE		TRUE					
17064	SR163627	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	5/23/1985	5/23/1985	12/31/1999	1/15/2004	6/24/2000			TRUE		TRUE					
17065	SR163628	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		1/14/1999		7/9/1999			TRUE		TRUE					
17066	SR163629	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		1/25/1999		7/20/1999			TRUE		TRUE					
17067	SR163630	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/23/1985	3/8/2004	11/9/1998	3/8/2004	5/4/1999			TRUE		TRUE					
17068	SR163631	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/23/1985	3/31/2004	10/22/1998	3/31/2004	4/16/1999			TRUE		TRUE					
17069	SR163632	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/23/1985	1/10/2007	12/31/1999	1/10/2007	6/24/2000			TRUE		TRUE					
17070	SR163633	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	V&P Vent	0	5/23/1985	5/23/1985	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
17071	SR163635	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17072	SR163638	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40	Remediate	1	5/23/1985	3/27/2004	11/5/1998	3/27/2004	4/30/1999			TRUE		TRUE					
17073	SR163639	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		10/29/1998		4/23/1999			TRUE		TRUE					
17074	SR163640	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-221H-HET	SSA40		0	5/23/1985		12/31/1999		6/24/2000			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17075	SR163641	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	5/23/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17076	SR163642	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	5/23/1985		11/5/1998		4/30/1999			TRUE		TRUE					
17077	SR163643	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Lid Removal	0	5/23/1985	2/19/2003	12/31/1999	2/19/2003	6/24/2000			TRUE		TRUE					
17078	SR163644	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	5/23/1985		12/3/1998		5/28/1999			TRUE		TRUE					
17079	SR163645	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	5/23/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17080	SR163647	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	5/23/1985	1/29/2007	12/31/1999	1/29/2007	6/24/2000			TRUE		TRUE					
17081	SR163649	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	5/23/1985	2/5/2007	12/31/1999	2/5/2007	6/24/2000			TRUE		TRUE					
17082	SR163650	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	5/23/1985	2/14/2004	12/31/1999	2/14/2004	6/24/2000			TRUE		TRUE					
17083	SR164756	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/3/1997		8/26/1997			TRUE		TRUE					
17084	SR164757	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		5/6/1997		10/29/1997			TRUE		TRUE					
17085	SR164758	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/10/1985	2/1/2006	2/25/1997	2/1/2006	8/20/1997			TRUE		TRUE					
17086	SR164759	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		4/21/1997		10/14/1997			TRUE		TRUE					
17087	SR164760	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		5/5/1997		10/28/1997			TRUE		TRUE					
17088	SR164761	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		2/28/1997		8/23/1997			TRUE		TRUE					
17089	SR164762	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/10/1997		9/2/1997			TRUE		TRUE					
17090	SR164763	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/3/1997		8/26/1997			TRUE		TRUE					
17091	SR164764	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/6/1997		8/29/1997			TRUE		TRUE					
17092	SR164765	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/10/1985	4/20/2004	5/5/1997	4/20/2004	10/28/1997			TRUE		TRUE					
17093	SR164766	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		2/26/1997		8/21/1997			TRUE		TRUE					
17094	SR164767	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/5/1997		8/28/1997			TRUE		TRUE					
17095	SR164768	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/10/1985		3/19/1997		9/11/1997			TRUE		TRUE					
17096	SR164771	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		2/25/1997		8/20/1997			TRUE		TRUE					
17097	SR164774	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/6/1997		8/29/1997			TRUE		TRUE					
17098	SR164775	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/5/1997		8/28/1997			TRUE		TRUE					
17099	SR164776	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/6/1997		8/29/1997			TRUE		TRUE					
17100	SR164777	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		5/6/1997		10/29/1997			TRUE		TRUE					
17101	SR164778	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/3/1997		8/26/1997			TRUE		TRUE					
17102	SR164779	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	6/21/2004	4/21/1997	6/21/2004	10/14/1997			TRUE		TRUE					
17103	SR164780	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	8/11/2004	3/6/1997	8/11/2004	8/29/1997			TRUE		TRUE					
17104	SR164781	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		5/6/1997		10/29/1997			TRUE		TRUE					
17105	SR164782	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/19/1997		9/11/1997			TRUE		TRUE					
17106	SR164783	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	3/28/2004	3/10/1997	3/28/2004	9/2/1997			TRUE		TRUE					
17107	SR164784	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		3/3/1997		8/26/1997			TRUE		TRUE					
17108	SR164785	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		2/21/1997		8/18/1997			TRUE		TRUE					
17109	SR164786	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		2/21/1997		8/18/1997			TRUE		TRUE					
17110	SR164787	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	3/15/2004	3/10/1997	3/15/2004	9/2/1997			TRUE		TRUE					
17111	SR164788	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		2/25/1997		8/20/1997			TRUE		TRUE					
17112	SR164789	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	3/15/2004	3/10/1997	3/15/2004	9/2/1997			TRUE		TRUE					
17113	SR164791	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		5/5/1997		10/28/1997			TRUE		TRUE					
17114	SR164792	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	1/24/1985	2/7/2006	2/21/1997	2/7/2006	8/18/1997			TRUE		TRUE					
17115	SR164793	SSG	EMPLACED_CNTR	10/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	1/24/1985		4/21/1997		10/14/1997			TRUE		TRUE					
17116	SR164794	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/14/1997		10/7/1997			TRUE		TRUE					
17117	SR164795	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17118	SR164796	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/10/1997		1/2/1998			TRUE		TRUE					
17119	SR164797	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17120	SR164798	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/10/1997		1/1/1998			TRUE		TRUE					
17121	SR164799	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		5/7/1997		10/30/1997			TRUE		TRUE					
17122	SR164801	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/14/1997		10/7/1997			TRUE		TRUE					
17123	SR164802	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1983		5/6/1997		10/29/1997			TRUE		TRUE					
17124	SR164803	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	3/15/2004	5/6/1997	3/15/2004	10/29/1997			TRUE		TRUE					
17125	SR164804	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	3/7/2004	4/15/1997	3/7/2004	10/8/1997			TRUE		TRUE					
17126	SR164805	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	V&P Vent	0	2/5/1985	2/5/1985	5/20/1997	8/16/2006	11/12/1997			TRUE		TRUE					
17127	SR164806	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17128	SR164807	SSG	EMPLACED_CNTR	5/22/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	10/30/2004	4/21/1997	10/30/2004	10/14/1997			TRUE		TRUE					
17129	SR164808	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	2/29/2004	5/6/1997	2/29/2004	10/29/1997			TRUE		TRUE					
17130	SR164809	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17131	SR164810	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/21/1997		10/14/1997			TRUE		TRUE					
17132	SR164811	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17133	SR164812	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1983	1/16/2007	4/15/1997	1/16/2007	10/8/1997			TRUE		TRUE					
17134	SR164813	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		5/7/1997		10/30/1997			TRUE		TRUE					
17135	SR164814	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17136	SR164815	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/10/1997		1/2/1998			TRUE		TRUE					
17137	SR164816	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	4/4/2004	5/6/1997	4/4/2004	10/29/1997			TRUE		TRUE					
17138	SR164817	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		5/20/1997		11/12/1997			TRUE		TRUE					
17139	SR164818	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1983		5/7/1997		10/30/1997			TRUE		TRUE					
17140	SR164819	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17141	SR164820	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/15/1997		1/7/1998			TRUE		TRUE					
17142	SR164821	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		4/21/1997		10/14/1997			TRUE		TRUE					
17143	SR164822	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/10/1997		1/2/1998			TRUE		TRUE					
17144	SR164823	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	Remediate	1	2/5/1985	2/28/2004	7/10/1997	2/28/2004	1/2/1998			TRUE		TRUE					
17145	SR164824	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440	V&P Vent	0	2/5/1985	2/5/1985	5/19/1997	9/8/2006	11/11/1997			TRUE		TRUE					
17146	SR164827	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17147	SR164828	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/5/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17148	SR164829	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17149	SR164830	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		5/19/1997		11/11/1997			TRUE		TRUE					
17150	SR164831	SSG	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		5/19/1997		11/11/1997			TRUE		TRUE					
17151	SR164832	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17152	SR164833	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17153	SR164834	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17154	SR164835	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		7/15/1997		1/7/1998			TRUE		TRUE					
17155	SR164836	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		7/14/1997		1/6/1998			TRUE		TRUE					
17156	SR164837	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17157	SR164838	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/8/1985		4/15/1997		10/8/1997			TRUE		TRUE					
17158	SR164839	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/21/1985		2/27/1997		8/22/1997			TRUE		TRUE					
17159	SR164840	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/21/1985		2/25/1997		8/20/1997			TRUE		TRUE					
17160	SR164841	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/21/1985		3/6/1997		8/29/1997			TRUE		TRUE					
17161	SR164842	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/21/1985		2/27/1997		8/22/1997			TRUE		TRUE					
17162	SR164843	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-NET	SS440		0	2/21/1985		3/4/1997		8/27/1997			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17163	SR164844		55G	EMPLACED_CNTR	8/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17164	SR164845		55G	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		3/6/1997		8/29/1997		TRUE		TRUE					
17165	SR164846		55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17166	SR164847		55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/11/1997		8/6/1997		TRUE		TRUE					
17167	SR164848		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17168	SR164849		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17169	SR164850		55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/27/1997		8/22/1997		TRUE		TRUE					
17170	SR164881		55G	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	12/18/1984	4/9/2004	5/6/1997	4/9/2004	10/29/1997		TRUE		TRUE					
17171	SR164882		55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		3/10/1997		9/2/1997		TRUE		TRUE					
17172	SR164883		55G	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	12/18/1984	5/23/2004	3/5/1997	5/23/2004	8/28/1997		TRUE		TRUE					
17173	SR164884		55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		2/21/1997		8/16/1997		TRUE		TRUE					
17174	SR164885		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		2/21/1997		8/16/1997		TRUE		TRUE					
17175	SR164886		55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		4/21/1997		10/14/1997		TRUE		TRUE					
17176	SR164887		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		2/25/1997		8/20/1997		TRUE		TRUE					
17177	SR164888		55G	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	12/18/1984	4/16/2004	5/6/1997	4/16/2004	10/29/1997		TRUE		TRUE					
17178	SR164889		55G	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		2/28/1997		8/13/1997		TRUE		TRUE					
17179	SR164890		55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	12/18/1984		3/18/1997		9/19/1997		TRUE		TRUE					
17180	SR164910		55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17181	SR164911		55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17182	SR164912		55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/13/1997		8/8/1997		TRUE		TRUE					
17183	SR164913		55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/10/1997		8/5/1997		TRUE		TRUE					
17184	SR164914		55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17185	SR164915		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17186	SR164916		55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	2/21/1985	3/1/2004	3/5/1997	3/1/2004	8/28/1997		TRUE		TRUE					
17187	SR164917		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		3/10/1997		9/2/1997		TRUE		TRUE					
17188	SR164918		55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	2/21/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17189	SR164919		55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/13/1997		8/8/1997		TRUE		TRUE					
17190	SR164920		55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17191	SR164921		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		3/6/1997		8/29/1997		TRUE		TRUE					
17192	SR164922		55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17193	SR164923		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/10/1997		8/5/1997		TRUE		TRUE					
17194	SR164924		55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17195	SR164925		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/13/1997		8/8/1997		TRUE		TRUE					
17196	SR164926		55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17197	SR164927		55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		3/28/1997		8/23/1997		TRUE		TRUE					
17198	SR164928		55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17199	SR164929		55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17200	SR164930		55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/5/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17201	SR164931		55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/26/1997		8/21/1997		TRUE		TRUE					
17202	SR164932		55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/11/1997		8/6/1997		TRUE		TRUE					
17203	SR164933		55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/19/1997		8/14/1997		TRUE		TRUE					
17204	SR164934		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17205	SR164935		55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/21/1997		8/16/1997		TRUE		TRUE					
17206	SR164936		55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17207	SR164937		55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17208	SR164938		55G	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	2/11/2004	2/13/1997	2/11/2004	8/8/1997		TRUE		TRUE					
17209	SR164939		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/10/1997		8/5/1997		TRUE		TRUE					
17210	SR164940		55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	1/16/2006	2/20/1997	1/16/2006	8/15/1997		TRUE		TRUE					
17211	SR164941		55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17212	SR164942		55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	4/1/2004	2/12/1997	4/1/2004	8/7/1997		TRUE		TRUE					
17213	SR164943		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17214	SR164944		55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17215	SR164945		55G	EMPLACED_CNTR	6/28/2008	5/1/2013 13:12	mcceabed	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	2/4/2008	9/25/1997	2/4/2008		Changed container type per LWatson 050113.	TRUE	FALSE	TRUE					
17216	SR164945A		55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	2/4/2008	5/6/2008	2/4/2008	5/6/2008	7/29/2008		TRUE		TRUE					
17217	SR164946		55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/14/1997		8/9/1997		TRUE		TRUE					
17218	SR164947		55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17219	SR164948		55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17220	SR164949		55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17221	SR164950		55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/13/1997		8/8/1997		TRUE		TRUE					
17222	SR164956		55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/27/1997		8/22/1997		TRUE		TRUE					
17223	SR164957		55G	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	10/14/2006	2/26/1997	10/14/2006	8/21/1997		TRUE		TRUE					
17224	SR164958		55G	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		3/10/1997		9/2/1997		TRUE		TRUE					
17225	SR164959		55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17226	SR164960		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		3/4/1997		8/27/1997		TRUE		TRUE					
17227	SR164962		55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	2/29/2004	2/27/1997	2/29/2004	8/22/1997		TRUE		TRUE					
17228	SR164963		55G	EMPLACED_CNTR	5/15/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17229	SR164964		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17230	SR164965		55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/10/1997		8/5/1997		TRUE		TRUE					
17231	SR164966		55G	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/27/1997		8/22/1997		TRUE		TRUE					
17232	SR164967		55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	2/29/2004	2/28/1997	2/29/2004	8/23/1997		TRUE		TRUE					
17233	SR164968		55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		3/5/1997		8/28/1997		TRUE		TRUE					
17234	SR164969		55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/25/1997		8/20/1997		TRUE		TRUE					
17235	SR164970		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/20/1997		8/15/1997		TRUE		TRUE					
17236	SR164971		55G	EMPLACED_CNTR	8/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17237	SR164972		55G	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/12/1985		2/21/1997		8/16/1997		TRUE		TRUE					
17238	SR164973		55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/12/1985	4/16/2004	2/26/1997	4/16/2004	8/21/1997		TRUE		TRUE					
17239	SR164974		55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/7/1997		8/2/1997		TRUE		TRUE					
17240	SR164975		55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/6/1997		8/1/1997		TRUE		TRUE					
17241	SR164977		55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/3/1997		7/29/1997		TRUE		TRUE					
17242	SR164978		55G	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/19/1985	1/18/2006	2/4/1997	1/18/2006	7/30/1997		TRUE		TRUE					
17243	SR164979		55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/19/1985	2/12/2004	3/5/1997	2/12/2004	8/28/1997		TRUE		TRUE					
17244	SR164981		55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/19/1985	8/10/2004	2/6/1997	8/10/2004	8/1/1997		TRUE		TRUE					
17245	SR164982		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/5/1997		7/31/1997		TRUE		TRUE					
17246	SR164983		55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/4/1997		8/1/1997		TRUE		TRUE					
17247	SR164985		55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/19/1985	11/13/2006	2/7/1997	11/13/2006	8/2/1997		TRUE		TRUE					
17248	SR164986		55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		1/28/1087		7/23/1997		TRUE		TRUE					
17249	SR164987		55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440		0	3/19/1985		2/12/1997		8/7/1997		TRUE		TRUE					
17250	SR164988		55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221M-HET	55440	Remediate	1	3/19/1985	3/5/2004	1/30/1997	3/5/2004	7/25/1997		TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17251	SR164989	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	3/19/1985	6/14/2006	2/6/1997	6/14/2006	8/1/1997			TRUE		TRUE					
17252	SR164990	55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	3/19/1985		5/28/1997		7/23/1997			TRUE		TRUE					
17253	SR164991	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	3/19/1985	8/4/2004	2/3/1997	8/4/2004	7/29/1997			TRUE		TRUE					
17254	SR164992	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	3/19/1985		2/7/1997		8/2/1997			TRUE		TRUE					
17255	SR164993	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	3/19/1985		2/6/1997		8/1/1997			TRUE		TRUE					
17256	SR164994	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	3/19/1985	3/8/2004	2/6/1997	3/8/2004	8/1/1997			TRUE		TRUE					
17257	SR164995	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	3/19/1985		1/31/1997		7/28/1997			TRUE		TRUE					
17258	SR164996	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17259	SR164997	55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	4/11/1985	4/11/1985	12/31/1999	9/10/2003	6/24/2000			TRUE		TRUE					
17260	SR164998	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17261	SR164999	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	4/11/1985	3/13/2004	12/31/1999	3/13/2004	6/24/2000			TRUE		TRUE					
17262	SR165000	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	4/11/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17263	SR176751	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17264	SR176752	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	5/30/1985	5/30/1985	12/31/1999	10/13/2003	6/24/2000			TRUE		TRUE					
17265	SR176754	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		1/12/1999		7/7/1999			TRUE		TRUE					
17266	SR176755	55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17267	SR176756	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17268	SR176757	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17269	SR176759	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		10/28/1998		4/22/1999			TRUE		TRUE					
17270	SR176760	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Lid Removal	0	5/30/1985	1/17/2003	12/31/1999	1/17/2003	6/24/2000			TRUE		TRUE					
17271	SR176761	55G	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	5/29/1985	1/21/2006	12/31/1999	1/21/2006	6/24/2000			TRUE		TRUE					
17272	SR176762	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ17-221M-HET	55480	Remediate	1	5/30/1985	6/22/2004	12/31/1999	6/22/2004	6/24/2000			TRUE		TRUE					
17273	SR176763	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		10/22/1998		4/16/1999			TRUE		TRUE					
17274	SR176764	55G	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Lid Removal	0	5/30/1985	7/19/2003	12/31/1999	7/19/2003	6/24/2000			TRUE		TRUE					
17275	SR176765	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		1/21/1999		7/16/1999			TRUE		TRUE					
17276	SR176766	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	5/30/1985	2/29/2004	11/3/1998	2/29/2004	4/27/1999			TRUE		TRUE					
17277	SR176767	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		1/4/1999		4/29/1999			TRUE		TRUE					
17278	SR176768	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17279	SR176769	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17280	SR176771	55G	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	5/30/1985	5/30/1985	12/31/1999	9/17/2004	6/24/2000			TRUE		TRUE					
17281	SR176772	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17282	SR176773	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		1/19/1999		7/14/1999			TRUE		TRUE					
17283	SR176774	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17284	SR176775	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	5/30/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17285	SR176777	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	6/6/1985	6/6/1985	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
17286	SR176778	55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/30/1998		6/24/1999			TRUE		TRUE					
17287	SR176779	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17288	SR176781	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17289	SR176782	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/12/1998		5/7/1999			TRUE		TRUE					
17290	SR176783	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/4/1998		4/29/1999			TRUE		TRUE					
17291	SR176784	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17292	SR176785	55G	EMPLACED_CNTR	8/26/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17293	SR176786	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/15/1998		6/9/1999			TRUE		TRUE					
17294	SR176787	55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/18/1998		5/13/1999			TRUE		TRUE					
17295	SR176788	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17296	SR176789	55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17297	SR176790	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		10/26/1998		4/20/1999			TRUE		TRUE					
17298	SR176792	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/4/1998		4/29/1999			TRUE		TRUE					
17299	SR176793	55G	EMPLACED_CNTR	8/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/11/1998		5/6/1999			TRUE		TRUE					
17300	SR176794	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	6/6/1985	6/6/1985	12/31/1999	9/10/2003	6/24/2000			TRUE		TRUE					
17301	SR176795	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/6/1985		11/18/1998		5/13/1999			TRUE		TRUE					
17302	SR176797	55G	EMPLACED_CNTR	10/16/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/28/1998		6/22/1999			TRUE		TRUE					
17303	SR176798	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	5/11/2006	12/31/1999	5/11/2006	6/24/2000			TRUE		TRUE					
17304	SR176799	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	3/3/2006	11/23/1998	3/3/2006	5/18/1999			TRUE		TRUE					
17305	SR176799A	55G	EMPLACED_CNTR	12/7/2012 13:31	3/15/2013 20:51	reclabwd	SR-WQ27-221M-HET	55440			3/3/2006	3/9/2012	3/3/2006	3/9/2012		SWD061066 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
17306	SR176801	55G			4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
17307	SR176802	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	3/1/2004	11/3/1998	3/1/2004	4/28/1999			TRUE		TRUE					
17308	SR176803	55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/23/1998		5/18/1999			TRUE		TRUE					
17309	SR176804D	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	1/25/2007		1/25/2007				TRUE		TRUE					
17310	SR176805	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17311	SR176806	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	3/5/2004	11/4/1998	3/5/2004	4/29/1999			TRUE		TRUE					
17312	SR176807	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17313	SR176808	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/23/1998		5/18/1999			TRUE		TRUE					
17314	SR176809	55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/14/1998		6/9/1999			TRUE		TRUE					
17315	SR176810	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17316	SR176812	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	5/11/2006	12/31/1999	5/11/2006	6/24/2000			TRUE		TRUE					
17317	SR176813	55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17318	SR176814	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	6/13/1985	6/13/1985	12/31/1999	9/22/2003	6/24/2000			TRUE		TRUE					
17319	SR176815	55G	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17320	SR176816	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	6/22/2004	12/31/1999	6/22/2004	6/24/2000			TRUE		TRUE					
17321	SR176817	55G	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17322	SR176818	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	3/29/2004	12/14/1998	3/29/2004	6/9/1999			TRUE		TRUE					
17323	SR176819	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17324	SR176820	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/24/1998		5/19/1999			TRUE		TRUE					
17325	SR176821	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	3/1/2004	11/5/1998	3/1/2004	4/30/1999			TRUE		TRUE					
17326	SR176822	55G	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	8/10/2004	12/31/1999	8/10/2004	6/24/2000			TRUE		TRUE					
17327	SR176823	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17328	SR176828	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	Remediate	1	6/13/1985	5/4/2006	1/26/1999	5/4/2006	7/11/1999			TRUE		TRUE					
17329	SR176829	55G	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17330	SR176831	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		10/19/1998		4/13/1999			TRUE		TRUE					
17331	SR176833	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440	V&P Vent	0	6/13/1985	6/13/1985	12/31/1999	9/30/2003	6/24/2000			TRUE		TRUE					
17332	SR176835	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		10/20/1998		4/14/1999			TRUE		TRUE					
17333	SR176837	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/5/1998		4/30/1999			TRUE		TRUE					
17334	SR176838	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/16/1998		6/10/1999			TRUE		TRUE					
17335	SR176839	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/23/1998		5/18/1999			TRUE		TRUE					
17336	SR176840	55G	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17337	SR176841	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-221M-HET	55440		0	6/13/1985		11/23/1998		5/18/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1738	SR176843	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/13/1985		12/16/1998		6/18/1999			TRUE		TRUE					
1739	SR176846	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/13/1985		12/16/1998		6/8/1999			TRUE		TRUE					
1740	SR176849	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	3/7/2004	12/31/1999	3/7/2004	6/24/2000			TRUE		TRUE					
1741	SR176851	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		2/4/1999		7/30/1999			TRUE		TRUE					
1742	SR176852	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		2/8/1999		8/3/1999			TRUE		TRUE					
1743	SR176854	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	3/13/2004	1/26/1999	3/13/2004	7/21/1999			TRUE		TRUE					
1744	SR176855	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		1/26/1999		7/21/1999			TRUE		TRUE					
1745	SR176856	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		11/30/1998		5/25/1999			TRUE		TRUE					
1746	SR176857	SSG	EMPLACED_CNTR	7/13/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	3/13/2004	1/26/1999	3/13/2004	7/21/1999			TRUE		TRUE					
1747	SR176858	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		1/26/1999		7/21/1999			TRUE		TRUE					
1748	SR176859	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		1/19/1999		7/14/1999			TRUE		TRUE					
1749	SR176860	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	3/5/2004	2/8/1999	3/5/2004	8/3/1999			TRUE		TRUE					
1750	SR176862	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	11/10/2006	12/31/1999	11/10/2006	6/24/2000			TRUE		TRUE					
1751	SR176863	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	3/31/2004	12/9/1998	3/31/2004	6/3/1999			TRUE		TRUE					
1752	SR176864	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	2/12/2004	2/16/1999	2/12/2004	8/11/1999			TRUE		TRUE					
1753	SR176866	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	6/27/1985	1/23/2007	12/31/1999	1/23/2007	6/24/2000			TRUE		TRUE					
1754	SR176867	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		1/27/1999		7/22/1999			TRUE		TRUE					
1755	SR176873	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	6/27/1985		10/27/1998		4/21/1999			TRUE		TRUE					
1756	SR176881	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/2/1985		3/17/1998		9/9/1998			TRUE		TRUE					
1757	SR176882	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	3/6/2004	11/9/1998	3/6/2004	5/4/1999			TRUE		TRUE					
1758	SR176883	SSG	EMPLACED_CNTR	6/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	1/31/2006	12/31/1999	1/31/2006	6/24/2000			TRUE		TRUE					
1759	SR176884	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	1/30/2007	12/31/1999	1/30/2007	6/24/2000			TRUE		TRUE					
1760	SR176887	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	6/22/2004	3/17/1998	6/22/2004	9/9/1998			TRUE		TRUE					
1761	SR176888	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	2/29/2004	12/31/1999	2/29/2004	6/24/2000			TRUE		TRUE					
1762	SR176889	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	2/1/2007	12/31/1999	2/1/2007	6/24/2000			TRUE		TRUE					
1763	SR176890	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	8/10/2004	12/31/1999	8/10/2004	6/24/2000			TRUE		TRUE					
1764	SR176891	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	7/2/1985	7/2/1985	12/31/1999	1/13/2004	6/24/2000			TRUE		TRUE					
1765	SR176892	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/2/1985	2/5/2007	12/31/1999	2/5/2007	6/24/2000			TRUE		TRUE					
1766	SR176895	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/8/1985		10/29/1998		4/23/1999			TRUE		TRUE					
1767	SR176896	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/8/1985	1/24/2007	12/31/1999	1/24/2007	6/24/2000			TRUE		TRUE					
1768	SR176897	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/8/1985	1/24/2007	12/31/1999	1/24/2007	6/24/2000			TRUE		TRUE					
1769	SR176898	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/8/1985	2/1/2007	12/31/1999	2/1/2007	6/24/2000			TRUE		TRUE					
1770	SR176904	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/8/1985	2/29/2004	11/3/1998	2/29/2004	4/28/1999			TRUE		TRUE					
1771	SR176905	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/8/1985	4/21/2004	12/31/1999	4/21/2004	6/24/2000			TRUE		TRUE					
1772	SR176906	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/16/1985	2/16/2004	12/31/1999	2/16/2004	6/24/2000			TRUE		TRUE					
1773	SR176907	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/16/1985		12/10/1998		6/4/1999			TRUE		TRUE					
1774	SR176908	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/16/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1775	SR176910	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/16/1985	4/8/2004	12/31/1999	4/8/2004	6/24/2000			TRUE		TRUE					
1776	SR176912	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/16/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1777	SR176913	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Purge	0	7/16/1985	8/14/2003	12/31/1999	10/3/2003	6/24/2000			TRUE		TRUE					
1778	SR176915	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/16/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1779	SR176916	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/16/1985	2/16/2004	12/31/1999	2/16/2004	6/24/2000			TRUE		TRUE					
1780	SR176918	SSG			4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
1781	SR176919	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/25/1985	2/29/2004	12/31/1999	2/29/2004	6/24/2000			TRUE		TRUE					
1782	SR176921	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	7/25/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1783	SR176946	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	8/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1784	SR176947	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	8/12/1985	8/12/1985	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
1785	SR176957	SSG	EMPLACED_CNTR	1/13/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	9/4/1985	8/10/2004	12/31/1999	8/10/2004	6/24/2000			TRUE		TRUE					
1786	SR176958	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	9/4/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1787	SR181501	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	3/11/1986	3/11/1986	6/30/1995	9/19/2003	12/23/1995			TRUE		TRUE					
1788	SR181503	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	3/11/1986	2/26/2004	1/6/1999	2/26/2004	7/1/1998			TRUE		TRUE					
1789	SR181505	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	3/11/1986	2/28/2004	12/8/1998	2/28/2004	6/2/1999			TRUE		TRUE					
1790	SR181506	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
1791	SR181508	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		1/4/1999		6/29/1999			TRUE		TRUE					
1792	SR181509	SSG	EMPLACED_CNTR	9/11/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
1793	SR181510	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
1794	SR181511	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
1795	SR181512	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1796	SR181513	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1797	SR181515	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	3/11/1986	3/3/2004	1/13/1999	3/3/2004	7/8/1999			TRUE		TRUE					
1798	SR181516	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	3/11/1986		2/3/1999		7/29/1999			TRUE		TRUE					
1799	SR200377	SSG	EMPLACED_CNTR	6/1/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/12/1985	2/5/2007	12/31/1999	2/5/2007	6/24/2000			TRUE		TRUE					
1800	SR200386	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/12/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1801	SR200389	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/12/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1802	SR200392	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/12/1985	6/9/2006	3/17/1998	6/9/2006	9/9/1998			TRUE		TRUE					
1803	SR200394	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1804	SR200396	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		10/21/1998		4/15/1999			TRUE		TRUE					
1805	SR200398	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		11/30/1998		5/25/1999			TRUE		TRUE					
1806	SR200399	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/14/1985	1/29/2007	12/31/1999	1/29/2007	6/24/2000			TRUE		TRUE					
1807	SR200401	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1808	SR200402	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		11/19/1998		5/14/1999			TRUE		TRUE					
1809	SR200403	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/14/1985		12/2/1998		5/27/1999			TRUE		TRUE					
1810	SR200404	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/13/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1811	SR200405	SSG	EMPLACED_CNTR	6/2/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/21/1985	1/30/2007	12/31/1999	1/30/2007	6/24/2000			TRUE		TRUE					
1812	SR200407	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Lid Removal	0	11/21/1985	2/19/2003	12/31/1999	2/19/2003	6/24/2000			TRUE		TRUE					
1813	SR200408	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1814	SR200409	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		2/18/1999		8/13/1999			TRUE		TRUE					
1815	SR200410	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/21/1985	1/30/2007	12/31/1999	1/30/2007	6/24/2000			TRUE		TRUE					
1816	SR200411	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1817	SR200412	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	11/21/1985	11/21/1985	12/31/1999	2/4/2004	6/24/2000			TRUE		TRUE					
1818	SR200413	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1819	SR200414	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1820	SR200415	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/21/1985	1/31/2007	12/31/1999	1/31/2007	6/24/2000			TRUE		TRUE					
1821	SR200416	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1822	SR200417	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1823	SR200418	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
1824	SR200419	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/21/1985	2/6/2007	12/31/1999	2/6/2007	6/24/2000			TRUE		TRUE					
1825	SR200420	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	11/21/1985	11/21/1985	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17425	SR200421	SSG	EMPLACED_CNTR	9/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/12/1985		11/2/1998		4/27/1999			TRUE		TRUE					
17427	SR200422	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/21/1985	11/21/1985	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					
17428	SR200426	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/21/1985	11/21/1985	12/31/1999	8/27/2003	6/24/2000			TRUE		TRUE					
17429	SR200427	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/21/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17430	SR200428	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/21/1985	11/21/1985	12/31/1999	9/10/2003	6/24/2000			TRUE		TRUE					
17431	SR200431	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/26/1985	12/23/2005	12/31/1999	12/23/2005	6/24/2000			TRUE		TRUE					
17432	SR200432	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/26/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17433	SR200433	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/26/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17434	SR200434	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/26/1985	6/23/2004	12/31/1999	6/23/2004	6/24/2000			TRUE		TRUE					
17435	SR200435	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/26/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17436	SR200436	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/26/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17437	SR200438	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/26/1985	3/3/2004	12/31/1999	3/3/2004	6/24/2000			TRUE		TRUE					
17438	SR200440	SSG	EMPLACED_CNTR	9/23/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	11/26/1985		11/5/1998		4/30/1999			TRUE		TRUE					
17439	SR200442	SSG	EMPLACED_CNTR	5/31/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/3/1985	2/15/2004	12/31/1999	2/15/2004	6/24/2000			TRUE		TRUE					
17440	SR200443	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17441	SR200444	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/3/1985	5/16/2006	12/31/1999	5/16/2006	6/24/2000			TRUE		TRUE					
17442	SR200444A	SSG	EMPLACED_CNTR	5/11/2012 10:11	3/15/2012 20:53	mccabed	SR-W027-221H-HET	SS440			5/16/2006	3/8/2012	5/16/2006	3/8/2012		Container was previously assigned SWD061334; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
17443	SR200445	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17444	SR200446	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/3/1985	12/3/1985	12/31/1999	9/26/2003	6/24/2000			TRUE		TRUE					
17445	SR200447	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/3/1985	1/23/2007	12/31/1999	1/23/2007	6/24/2000			TRUE		TRUE					
17446	SR200448	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17447	SR200449	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	12/3/1985	12/3/1985	12/31/1999	8/25/2003	6/24/2000			TRUE		TRUE					
17448	SR200450	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Lid Removal	0	12/3/1985	1/20/2003	12/31/1999	1/20/2003	6/24/2000			TRUE		TRUE					
17449	SR200451	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/3/1985	12/3/1985	12/31/1999	8/25/2003	6/24/2000			TRUE		TRUE					
17450	SR200452	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/3/1985	12/3/1985	12/31/1999	9/12/2003	6/24/2000			TRUE		TRUE					
17451	SR200453	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/1/1998		5/26/1999			TRUE		TRUE					
17452	SR200454	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17453	SR200455	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17454	SR200458	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/3/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17455	SR200462	SSG	EMPLACED_CNTR	9/16/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/5/1985		11/18/1998		5/13/1999			TRUE		TRUE					
17456	SR200463	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/5/1985	12/5/1985	12/31/1999	9/22/2003	6/24/2000			TRUE		TRUE					
17457	SR200464	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	12/5/1985	12/5/1985	12/31/1999	8/27/2003	6/24/2000			TRUE		TRUE					
17458	SR200465	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/5/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17459	SR200466	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/5/1985	3/5/2004	3/17/1998	3/5/2004	9/9/1994			TRUE		TRUE					
17460	SR200472	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/5/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17461	SR200473	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/5/1985	12/5/1985	12/31/1999	1/13/2004	6/24/2000			TRUE		TRUE					
17462	SR200474	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Lid Removal	0	12/5/1985	8/13/2003	11/10/1998	8/13/2003	5/5/1999			TRUE		TRUE					
17463	SR200475	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17464	SR200476	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/10/1985	12/10/1985	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					
17465	SR200477	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17466	SR200478	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17467	SR200480	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17468	SR200484	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17469	SR200485	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17470	SR200489	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17471	SR200490	SSG	EMPLACED_CNTR	8/27/2001	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17472	SR200491	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/10/1985	4/9/2004	12/31/1999	4/9/2004	6/24/2000			TRUE		TRUE					
17473	SR200492	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/10/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17474	SR200493	SSG	EMPLACED_CNTR	4/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/10/1985	5/7/2005	12/31/1999	5/7/2005	6/24/2000			TRUE		TRUE					
17475	SR200494	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/10/1985	3/31/2004	12/31/1999	3/31/2004	6/24/2000			TRUE		TRUE					
17476	SR200495	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/10/1985	3/9/2004	12/31/1999	3/9/2004	6/24/2000			TRUE		TRUE					
17477	SR202501	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/12/1985	12/12/1985	11/2/1998	9/22/2003	4/27/1999			TRUE		TRUE					
17478	SR202502	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/12/1985	12/12/1985	10/25/1994	8/15/2003	4/19/1995			TRUE		TRUE					
17479	SR202503	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/12/1985	4/9/2004	11/1/1994	4/9/2004	4/26/1995			TRUE		TRUE					
17480	SR202504	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/12/1985		12/27/1994		6/21/1995			TRUE		TRUE					
17481	SR202505	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/12/1985	12/12/1985	11/13/1994	8/27/2003	5/6/1995			TRUE		TRUE					
17482	SR202506	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/12/1985	12/12/1985	2/8/1995	10/30/2006	8/3/1995			TRUE		TRUE					
17483	SR202507	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/12/1985		11/13/1994		5/6/1995			TRUE		TRUE					
17484	SR202508	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/27/1985	12/27/1985	12/31/1998	8/25/2003	6/24/2000			TRUE		TRUE					
17485	SR202510	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17486	SR202511	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17487	SR202512	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17488	SR202513	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		11/3/1998		4/28/1999			TRUE		TRUE					
17489	SR202514	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		10/25/1994		4/19/1995			TRUE		TRUE					
17490	SR202516	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	12/27/1985	2/13/2004	2/9/1995	2/13/2004	8/4/1995			TRUE		TRUE					
17491	SR202517	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17492	SR202517A	SSG	EMPLACED_CNTR	12/15/2012 13:43	8/30/2012 10:55	mccabed	SR-W027-221H-HET	SS440			12/27/1985			3/12/2007		novent, EXCLUDE the drum is a duplicate number. Added back per LWatson email 083012		TRUE	TRUE	TRUE					
17493	SR202518	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/27/1985	12/27/1985	1/27/1995	10/13/2003	7/12/1995			TRUE		TRUE					
17494	SR202519	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/27/1994		6/21/1995			TRUE		TRUE					
17495	SR202520	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/15/1994		6/9/1995			TRUE		TRUE					
17496	SR202521	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17497	SR202522	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		11/19/1998		5/14/1999			TRUE		TRUE					
17498	SR202524	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17499	SR202525	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/27/1985		2/8/1995		8/3/1995			TRUE		TRUE					
17500	SR202527	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17501	SR202528	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17502	SR202529	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	12/31/1985	12/31/1985	12/15/1994	9/26/2003	6/9/1995			TRUE		TRUE					
17503	SR202530	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17504	SR202531	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		11/3/1994		4/28/1995			TRUE		TRUE					
17505	SR202532	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		1/7/1999		7/2/1999			TRUE		TRUE					
17506	SR202533	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17507	SR202534	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	12/31/1985		12/31/1999		6/24/2000			TRUE		TRUE					
17508	SR202537	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	1/7/1986		1/21/1999		7/16/1999			TRUE		TRUE					
17509	SR202538	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	1/7/1986	1/7/1986	12/31/1999	9/19/2003	6/24/2000			TRUE		TRUE					
17510	SR202539	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440	Remediate	1	1/7/1986	3/10/2004	12/31/1999	3/10/2004	6/24/2000			TRUE		TRUE					
17511	SR202540	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	SS440		0	1/7/1986		2/18/1999		8/13/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17512	SR202541	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/7/1986	11/1/2007	12/31/1999	11/1/2007	6/24/2000			TRUE		TRUE					
17513	SR202542	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/7/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17514	SR202543	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/7/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17515	SR202544	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/7/1986	1/29/2006	12/31/1999	1/29/2006	6/24/2000			TRUE		TRUE					
17516	SR202545	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/7/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17517	SR202546	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/7/1986	1/18/2007	10/28/1998	1/18/2007	4/22/1999			TRUE		TRUE					
17518	SR202550	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/14/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17519	SR202553	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	6/14/2006	12/31/1999	8/14/2006	6/24/2000			TRUE		TRUE					
17520	SR202554	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		11/30/1998		5/25/1999			TRUE		TRUE					
17521	SR202555	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	2/7/2007	12/31/1999	2/7/2007	6/24/2000			TRUE		TRUE					
17522	SR202556	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	3/3/2004	11/9/1998	3/3/2004	5/4/1999			TRUE		TRUE					
17523	SR202557	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Vent	0	1/21/1986	1/21/1986	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
17524	SR202558	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	3/3/2004	10/26/1998	3/3/2004	4/20/1999			TRUE		TRUE					
17525	SR202559	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17526	SR202560	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17527	SR202561	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/10/1998		8/4/1999			TRUE		TRUE					
17528	SR202564	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		11/4/1998		4/29/1999			TRUE		TRUE					
17529	SR202565	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Purge	0	1/21/1986	1/21/1986	12/31/1999	11/19/2003	6/24/2000			TRUE		TRUE					
17530	SR202569	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	6/1/2004	12/31/1999	6/1/2004	6/24/2000			TRUE		TRUE					
17531	SR202570	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17532	SR202571	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	4/10/2004	1/20/1999	4/10/2004	7/15/1999			TRUE		TRUE					
17533	SR202572	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17534	SR202573	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Vent	0	1/21/1986	1/21/1986	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
17535	SR202574	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17536	SR202575	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		11/3/1998		4/28/1999			TRUE		TRUE					
17537	SR202576	SSG	EMPLACED_CNTR	6/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	2/7/2007	12/31/1999	2/7/2007	6/24/2000			TRUE		TRUE					
17538	SR202577	SSG	EMPLACED_CNTR	1/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Vent	0	1/21/1986	1/21/1986	12/31/1999	10/2/2003	6/24/2000			TRUE		TRUE					
17539	SR202578	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/21/1986		12/2/1998		5/27/1999			TRUE		TRUE					
17540	SR202579	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/21/1986	3/6/2004	11/30/1998	3/6/2004	5/25/1999			TRUE		TRUE					
17541	SR202582	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17542	SR202583	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/23/1986	3/3/2004	12/13/1999	3/3/2004	6/24/2000			TRUE		TRUE					
17543	SR202587	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17544	SR202589	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17545	SR207590	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		1/6/1999		7/1/1999			TRUE		TRUE					
17546	SR202591	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		11/5/1998		4/30/1999			TRUE		TRUE					
17547	SR202593	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/23/1986	1/25/2007	12/31/1999	1/25/2007	6/24/2000			TRUE		TRUE					
17548	SR202596	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17549	SR202598	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		10/29/1998		4/23/1999			TRUE		TRUE					
17550	SR207599	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/23/1986	4/10/2004	12/31/1999	4/10/2004	6/24/2000			TRUE		TRUE					
17551	SR202600	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/23/1986	2/16/2004	12/31/1999	2/16/2004	6/24/2000			TRUE		TRUE					
17552	SR202601	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		11/3/1998		4/28/1999			TRUE		TRUE					
17553	SR202602	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/23/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17554	SR202603	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/23/1986	3/9/2004	12/31/1999	3/9/2004	6/24/2000			TRUE		TRUE					
17555	SR202604	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/28/1986	2/26/2004	12/3/1998	2/26/2004	5/28/1999			TRUE		TRUE					
17556	SR202605	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/28/1986	3/1/2004	12/31/1999	3/1/2004	6/24/2000			TRUE		TRUE					
17557	SR202606	SSG	EMPLACED_CNTR	7/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/28/1986	11/22/2005	12/31/1999	11/22/2005	6/24/2000			TRUE		TRUE					
17558	SR202607	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/28/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17559	SR202609	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/28/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17560	SR202611	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/28/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17561	SR202612	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/28/1986	2/14/2004	12/31/1999	2/14/2004	6/24/2000			TRUE		TRUE					
17562	SR202618	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/30/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17563	SR202621	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/30/1986	2/24/2004	12/31/1999	2/24/2004	6/24/2000			TRUE		TRUE					
17564	SR202622	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/30/1986	11/7/2007	12/31/1999	11/7/2007	6/24/2000			TRUE		TRUE					
17565	SR202624	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	1/30/1986	8/10/2004	11/5/1998	8/10/2004	4/30/1999			TRUE		TRUE					
17566	SR202625	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/30/1986		10/28/1998		4/22/1999			TRUE		TRUE					
17567	SR202626	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/30/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17568	SR202627	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/30/1986		10/28/1998		4/22/1999			TRUE		TRUE					
17569	SR202628	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	1/30/1986		1/25/1999		7/20/1999			TRUE		TRUE					
17570	SR202636	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		11/3/1998		4/28/1999			TRUE		TRUE					
17571	SR202639	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17572	SR202642	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/6/1986	2/29/2004	12/31/1999	2/29/2004	6/24/2000			TRUE		TRUE					
17573	SR202643	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17574	SR202644	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Purge	0	2/6/1986	2/6/1986	12/31/1999	9/30/2005	6/24/2000			TRUE		TRUE					
17575	SR202645	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/6/1986	3/28/2004	12/31/1999	3/28/2004	6/24/2000			TRUE		TRUE					
17576	SR202646	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17577	SR202647	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/6/1986	2/25/2004	11/5/1998	2/25/2004	4/30/1999			TRUE		TRUE					
17578	SR202648	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		11/5/1998		4/30/1999			TRUE		TRUE					
17579	SR202649	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		11/9/1998		5/4/1999			TRUE		TRUE					
17580	SR202650	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17581	SR202652	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/6/1986	3/5/2004	12/31/1999	3/5/2004	6/24/2000			TRUE		TRUE					
17582	SR202653	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		1/19/1999		7/14/1999			TRUE		TRUE					
17583	SR202655	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/6/1986	4/10/2004	10/22/1998	4/10/2004	4/16/1999			TRUE		TRUE					
17584	SR202657	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		1/6/1999		7/1/1999			TRUE		TRUE					
17585	SR202658	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		11/9/1998		5/4/1999			TRUE		TRUE					
17586	SR202659	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/6/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17587	SR202660	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		1/21/1999		7/16/1999			TRUE		TRUE					
17588	SR202661	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		1/28/1999		7/23/1999			TRUE		TRUE					
17589	SR202663	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17590	SR202668	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/11/1986	2/26/2004	1/21/1999	2/26/2004	7/16/1999			TRUE		TRUE					
17591	SR202669	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		1/25/1999		7/20/1999			TRUE		TRUE					
17592	SR202670	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Lid Removal	0	2/11/1986	8/13/2003	12/16/1998	8/13/2003	6/10/1999			TRUE		TRUE					
17593	SR202671	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		1/5/1999		6/30/1999			TRUE		TRUE					
17594	SR202672	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/11/1986	3/10/2004	2/2/1999	3/10/2004	7/28/1999			TRUE		TRUE					
17595	SR202674	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/11/1986	6/23/2004	1/27/1999	6/23/2004	7/22/1999			TRUE		TRUE					
17596	SR202675	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/11/1986		1/27/1999		7/22/1999			TRUE		TRUE					
17597	SR202682	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440		0	2/13/1986		11/11/1998		5/6/1999			TRUE		TRUE					
17598	SR202683	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	Remediate	1	2/13/1986	8/9/2004	1/5/1999	8/9/2004	6/30/1999			TRUE		TRUE					
17599	SR202685	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	S5440	V&P Vent	0	2/13/1986	2/13/1986	12/31/1999	8/28/2003	6/24/2000			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17601	SR202686	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/11/1999		7/6/1999			TRUE		TRUE					
17602	SR202687	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/28/1999		7/23/1999			TRUE		TRUE					
17603	SR202688	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/27/1999		7/22/1999			TRUE		TRUE					
17604	SR202689	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/26/1999		7/21/1999			TRUE		TRUE					
17605	SR202690	55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		2/8/1999		8/3/1999			TRUE		TRUE					
17606	SR202691	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/4/1999		6/29/1999			TRUE		TRUE					
17607	SR202692	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/13/1986		1/26/1999		7/21/1999			TRUE		TRUE					
17608	SR202693	55G	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/13/1986	8/9/2004	11/11/1998	8/9/2004	5/6/1999			TRUE		TRUE					
17609	SR202694	55G	EMPLACED_CNTR	1/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	2/18/1986	2/18/1986	12/31/1999	8/28/2003	6/24/2000			TRUE		TRUE					
17610	SR201695	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		1/28/1999		7/23/1999			TRUE		TRUE					
17611	SR202696	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		1/5/1999		6/30/1999			TRUE		TRUE					
17612	SR202697	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	2/18/1986	2/18/1986	12/31/1999	9/22/2003	6/24/2000			TRUE		TRUE					
17613	SR202700	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	8/5/2004	12/30/1998	8/5/2004	9/24/1999			TRUE		TRUE					
17614	SR202701	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		1/21/1999		7/16/1999			TRUE		TRUE					
17615	SR202702	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		1/28/1999		7/23/1999			TRUE		TRUE					
17616	SR202703	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		1/13/1999		7/8/1999			TRUE		TRUE					
17617	SR202705	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	2/12/2004	1/26/1999	2/12/2004	7/21/1999			TRUE		TRUE					
17618	SR202706	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	2/18/1986	2/18/1986	12/31/1999	8/15/2003	6/24/2000			TRUE		TRUE					
17619	SR202707	55G	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	3/28/2004	1/28/1999	3/28/2004	7/23/1999			TRUE		TRUE					
17620	SR202708	55G	EMPLACED_CNTR	3/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	6/22/2004	12/30/1998	6/22/2004	6/24/1999			TRUE		TRUE					
17621	SR202709	55G	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	2/17/2004	1/4/1999	2/17/2004	6/25/1999			TRUE		TRUE					
17622	SR202710	55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17623	SR202711	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/15/1998		6/9/1999			TRUE		TRUE					
17624	SR202712	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		2/4/1999		7/30/1999			TRUE		TRUE					
17625	SR202713	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	3/7/2004	1/4/1999	3/7/2004	6/29/1999			TRUE		TRUE					
17626	SR202714	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/16/1998		6/10/1999			TRUE		TRUE					
17627	SR202715	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/18/1986	4/12/2006	1/26/1999	4/12/2006	7/21/1999			TRUE		TRUE					
17628	SR202716	55G	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/15/1998		6/9/1999			TRUE		TRUE					
17629	SR202717	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17630	SR202718	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/18/1986		12/14/1998		6/8/1999			TRUE		TRUE					
17631	SR202719	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1986		12/15/1998		6/9/1999			TRUE		TRUE					
17632	SR202720	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	2/20/1986	2/20/1986	12/31/1999	8/15/2003	6/24/2000			TRUE		TRUE					
17633	SR202721	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	2/20/1986	2/20/1986	12/31/1999	9/22/2003	6/24/2000			TRUE		TRUE					
17634	SR202722	55G	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1986		1/5/1999		6/30/1999			TRUE		TRUE					
17635	SR202723	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1986		12/14/1998		6/8/1999			TRUE		TRUE					
17636	SR202724	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17637	SR202725	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/25/1986	3/29/2004	1/4/1999	3/29/2004	6/3/1999			TRUE		TRUE					
17638	SR202726	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17639	SR202727	55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		1/27/1999		7/22/1999			TRUE		TRUE					
17640	SR202728	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		2/4/1999		7/30/1999			TRUE		TRUE					
17641	SR202729	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/14/1998		6/8/1999			TRUE		TRUE					
17642	SR202730	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/30/1998		6/24/1999			TRUE		TRUE					
17643	SR202731	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/14/1998		6/8/1999			TRUE		TRUE					
17644	SR202732	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/31/1999		6/24/2000			TRUE		TRUE					
17645	SR202733	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		12/14/1998		6/8/1999			TRUE		TRUE					
17646	SR202734	55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		1/27/1999		7/22/1999			TRUE		TRUE					
17647	SR202735	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/25/1986		2/4/1999		7/30/1999			TRUE		TRUE					
17648	SR202736	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		2/3/1999		7/29/1999			TRUE		TRUE					
17649	SR202737	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17650	SR202738	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		1/27/1999		7/22/1999			TRUE		TRUE					
17651	SR202739	55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		1/4/1999		6/29/1999			TRUE		TRUE					
17652	SR202740	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17653	SR202741	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		1/12/1999		7/7/1999			TRUE		TRUE					
17654	SR202742	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/4/1986	4/4/2006	11/1/1994	4/4/2006	4/26/1995			TRUE		TRUE					
17655	SR202744	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/4/1986		2/21/1999		7/16/1999			TRUE		TRUE					
17656	SR205304	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17657	SR205305	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Lid Removal	0	3/20/1986	6/3/2003	2/8/1995	6/3/2003	8/3/1995			TRUE		TRUE					
17658	SR205306	55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17659	SR205307	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17660	SR205308	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		11/1/1994		4/26/1995			TRUE		TRUE					
17661	SR205309	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/19/1986	2/16/2004	12/27/1994	2/16/2004	6/21/1995			TRUE		TRUE					
17662	SR205310	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		12/7/1994		6/1/1995			TRUE		TRUE					
17663	SR205313	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		1/27/1995		7/21/1995			TRUE		TRUE					
17664	SR205315	55G	EMPLACED_CNTR	5/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		2/8/1995		8/3/1995			TRUE		TRUE					
17665	SR205317	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		10/13/1994		4/13/1995			TRUE		TRUE					
17666	SR205318	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		10/25/1994		4/19/1995			TRUE		TRUE					
17667	SR205323	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		11/11/1994		5/6/1995			TRUE		TRUE					
17668	SR205324	55G	EMPLACED_CNTR	10/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17669	SR205325	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		12/8/1998		6/2/1999			TRUE		TRUE					
17670	SR205326	55G	EMPLACED_CNTR	10/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		11/13/1994		5/19/1995			TRUE		TRUE					
17671	SR205327	55G	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		2/8/1995		8/3/1995			TRUE		TRUE					
17672	SR205328	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/20/1986	6/14/2006	1/27/1995	6/14/2006	7/22/1995			TRUE		TRUE					
17673	SR205329	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/20/1986	3/10/2004	2/8/1995	3/10/2004	8/3/1995			TRUE		TRUE					
17674	SR205330	55G			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
17675	SR205331	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	3/19/1986	3/19/1986	6/30/1995	8/27/2003	12/23/1995			TRUE		TRUE					
17676	SR205332	55G	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		11/3/1994		4/28/1995			TRUE		TRUE					
17677	SR205333	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/20/1986	2/16/2004	12/28/1998	2/16/2004	6/22/1999			TRUE		TRUE					
17678	SR205335	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	3/19/1986	3/19/1986	6/30/1995	3/3/2004	12/23/1995			TRUE		TRUE					
17679	SR205336	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		10/20/1994		4/14/1995			TRUE		TRUE					
17680	SR205337	55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		2/8/1995		8/3/1995			TRUE		TRUE					
17681	SR205338	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/19/1986		10/20/1994		4/14/1995			TRUE		TRUE					
17682	SR205339	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/20/1986		12/27/1994		6/21/1995			TRUE		TRUE					
17683	SR215001	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/10/1986	9/20/2005	6/30/1995	9/20/2005	12/23/1995			TRUE		TRUE					
17684	SR215002	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17685	SR215003	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17686	SR215004	55G	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/10/1986	2/21/2006	6/30/1995	2/21/2006	12/23/1995			TRUE		TRUE					
17687	SR215006	55G	EMPLACED_CNTR	10/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17688	SR215008	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17688	SR215010	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17689	SR215011	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17690	SR215012	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	12/10/1986	5/11/2006	6/30/1995	5/11/2006	12/23/1995			TRUE		TRUE					
17691	SR215013	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	12/10/1986	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
17692	SR215014	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17693	SR215015	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17694	SR215016	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	12/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17695	SR215088	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17696	SR215089	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17697	SR215090	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	1/31/2006	6/30/1995	1/31/2006	12/23/1995			TRUE		TRUE					
17698	SR215091	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
17699	SR215092	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	7/26/2007	6/30/1995	7/26/2007	12/23/1995			TRUE		TRUE					
17700	SR215094	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17701	SR215095	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17702	SR215096	SSG	EMPLACED_CNTR	10/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17703	SR215097	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
17704	SR215098	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	2/25/2006	6/30/1995	2/25/2006	12/23/1995			TRUE		TRUE					
17705	SR215099	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17706	SR215100	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/9/1987	4/18/2004	6/30/1995	4/18/2004	12/23/1995			TRUE		TRUE					
17707	SR215101	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17708	SR215103	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/12/1987	11/29/2005	6/30/1995	11/29/2005	12/23/1995			TRUE		TRUE					
17709	SR215104	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17710	SR215105	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17711	SR215106	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17712	SR215107	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17713	SR215108	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/12/1987	1/4/2006	6/30/1995	1/4/2006	12/23/1995			TRUE		TRUE					
17714	SR215109	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/12/1987	2/23/2006	6/30/1995	2/23/2006	12/23/1995			TRUE		TRUE					
17715	SR215110	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17716	SR215111	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17717	SR215112	SSG			4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/12/1987		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
17718	SR215113	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17719	SR215114	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17720	SR215115	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17721	SR215117	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17722	SR215118	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/17/1987	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
17723	SR215119	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17724	SR215120	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17725	SR215121	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17726	SR215122	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17727	SR215123	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17728	SR215124	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17729	SR215125	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/18/1987	2/21/2006	6/30/1995	2/21/2006	12/23/1995			TRUE		TRUE					
17730	SR215126	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17731	SR215127	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/18/1987	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
17732	SR215129	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17733	SR215130	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17734	SR215131	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17735	SR215132	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17736	SR215133	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17737	SR215134	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17738	SR215135	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17739	SR215136	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17740	SR215137	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17741	SR215138	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17742	SR215139	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17743	SR215140	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17744	SR215141	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17745	SR215142	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17746	SR215143	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/24/1987	5/11/2006	6/30/1995	5/11/2006	12/23/1995			TRUE		TRUE					
17747	SR215144	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17748	SR215146	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/24/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17749	SR215147	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/24/1987	3/8/2006	6/30/1995	3/8/2006	12/23/1995			TRUE		TRUE					
17750	SR215148	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17751	SR215149	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
17752	SR215150	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	2/14/2004	6/30/1995	2/14/2004	12/23/1995			TRUE		TRUE					
17753	SR215151	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	3/5/2006	6/30/1995	3/5/2006	12/23/1995			TRUE		TRUE					
17754	SR215152	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17755	SR215153	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	11/10/2006	6/30/1995	11/10/2006	12/23/1995			TRUE		TRUE					
17756	SR215154	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	1/21/2006	6/30/1995	1/21/2006	12/23/1995			TRUE		TRUE					
17757	SR215157	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17758	SR215158	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17759	SR215159	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/30/1987	2/22/2006	6/30/1995	2/22/2006	12/23/1995			TRUE		TRUE					
17760	SR215161	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/31/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17761	SR215162	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/31/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17762	SR215164	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/31/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17763	SR215165	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440	Remediate	1	3/31/1987	4/19/2004	6/30/1995	4/19/2004	12/23/1995			TRUE		TRUE					
17764	SR215166	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/31/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17765	SR215167	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	3/31/1987		6/30/1995		12/28/1995			TRUE		TRUE					
17766	SR215168	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17767	SR215169	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17768	SR215170	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17769	SR215171	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17770	SR215172	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17771	SR215173	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17772	SR215174	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17773	SR215175	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17774	SR215176	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17775	SR215177	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221M-HET	55440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1777	SR215178	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1777	SR215179	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1777	SR215180	SSG	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1777	SR215181	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/3/1987	2/23/2006	6/30/1995	2/23/2006	12/23/1995			TRUE		TRUE					
1778	SR215182	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215183	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215184	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215185	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215186	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215187	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215188	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215189	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215190	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1778	SR215191	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215192	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215193	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215194	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215195	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215196	SSG	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215197	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215198	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215200	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215201	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1779	SR215202	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215204	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/16/1987	7/10/2006	6/30/1995	7/10/2006	12/23/1995			TRUE		TRUE					
1780	SR215205	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/16/1987	1/20/2006	6/30/1995	1/20/2006	12/23/1995			TRUE		TRUE					
1780	SR215206	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215207	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215208	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215209	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/16/1987	1/21/2006	6/30/1995	1/21/2006	12/23/1995			TRUE		TRUE					
1780	SR215210	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215211	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215212	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1780	SR215213	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/16/1987	10/10/2005	6/30/1995	10/10/2005	12/23/1995			TRUE		TRUE					
1781	SR215214	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215215	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215219	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215220	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215221	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/27/1987	2/16/2006	6/30/1995	2/16/2006	12/23/1995			TRUE		TRUE					
1781	SR215222	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215223	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215224	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215225	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1781	SR215226	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215227	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215228	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215229	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/27/1987	10/12/2006	6/30/1995	10/12/2006	12/23/1995			TRUE		TRUE					
1782	SR215229A	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1		10/12/2006		10/12/2006				TRUE		TRUE					
1782	SR215230	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215231	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215232	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215233	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215234	SSG	EMPLACED_CNTR	9/24/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1782	SR215235	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/1/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215236	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215237	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215238	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215239	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215240	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	5/26/1987	6/12/2007	6/30/1995	6/12/2007	12/23/1995			TRUE		TRUE					
1783	SR215241	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215242	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	5/26/1987	1/20/2006	6/30/1995	1/20/2006	12/23/1995			TRUE		TRUE					
1783	SR215243	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215251	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1783	SR215252	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215253	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215255	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215258	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215259	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215267	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215266	SSG	EMPLACED_CNTR	10/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215267	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215268	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215270	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/19/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1784	SR215271	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	12/16/1986	11/30/2005	6/30/1995	11/30/2005	12/23/1995			TRUE		TRUE					
1785	SR215272	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215274	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215276	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215277	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	12/23/1986	11/10/2006	6/30/1995	11/10/2006	12/23/1995			TRUE		TRUE					
1785	SR215278	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	12/23/1986	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
1785	SR215279	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215280	SSG	EMPLACED_CNTR	11/1/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215281	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215282	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1785	SR215283	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	12/29/1986	1/6/2006	6/30/1995	1/6/2006	12/23/1995			TRUE		TRUE					
1786	SR215285	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1786	SR215287	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1786	SR215288	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					
1786	SR215289	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	12/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17864	SR215290	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	12/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					
17865	SR215291	55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17866	SR215292	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17867	SR215293	55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17868	SR215294	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17869	SR215295	55G	EMPLACED_CNTR	8/22/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/6/1987	10/11/2005	6/30/1995	10/11/2005	12/23/1995			TRUE		TRUE					
17870	SR215296	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17871	SR215298	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17872	SR215299	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17873	SR215300	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17874	SR215302	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17875	SR215303	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17876	SR215304	55G	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17877	SR215305	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/13/1987	1/21/2006	6/30/1995	1/21/2006	12/23/1995			TRUE		TRUE					
17878	SR215306	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/13/1987	5/3/2006	6/30/1995	5/3/2006	12/23/1995			TRUE		TRUE					
17879	SR215307	55G	EMPLACED_CNTR	8/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17880	SR215308	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17881	SR215309	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17882	SR215310	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17883	SR215311	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/13/1987	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
17884	SR215312	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17885	SR215313	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17886	SR215314	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17887	SR215315	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17888	SR215316	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17889	SR215317	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/14/1987	3/3/2006	6/30/1995	3/3/2006	12/23/1995			TRUE		TRUE					
17890	SR215318	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17891	SR215319	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/14/1987	10/13/2005	6/30/1995	10/13/2005	12/23/1995			TRUE		TRUE					
17892	SR215320	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/14/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17893	SR215321	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/14/1987	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
17894	SR215322	55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/15/1987	4/18/2004	6/30/1995	4/18/2004	12/23/1995			TRUE		TRUE					
17895	SR215323	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/15/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17896	SR215324	55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/15/1987	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
17897	SR215327	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/15/1987	2/25/2006	6/30/1995	2/25/2006	12/23/1995			TRUE		TRUE					
17898	SR215328	55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17899	SR215329	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/22/1987	3/12/2007	6/30/1995	3/12/2007	12/23/1995			TRUE		TRUE					
17900	SR215330	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17901	SR215331	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/23/1987	5/10/2006	6/30/1995	5/10/2006	12/23/1995			TRUE		TRUE					
17902	SR215332	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17903	SR215333	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17904	SR215334	55G	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/22/1987	10/24/2005	6/30/1995	10/24/2005	12/23/1995			TRUE		TRUE					
17905	SR215335	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17906	SR215336	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17907	SR215337	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/22/1987	3/10/2006	6/30/1995	3/10/2006	12/23/1995			TRUE		TRUE					
17908	SR215338	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/22/1987	2/17/2004	6/30/1995	2/17/2004	12/23/1995			TRUE		TRUE					
17909	SR215339	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17910	SR215340	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/22/1987	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
17911	SR215341	55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17912	SR215342	55G	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17913	SR215343	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/23/1987	3/19/2006	6/30/1995	3/19/2006	12/23/1995			TRUE		TRUE					
17914	SR215344	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17915	SR215346	55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/23/1987	11/18/2006	6/30/1995	11/18/2006	12/23/1995			TRUE		TRUE					
17916	SR215347	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/26/1987	3/10/2006	6/30/1995	3/10/2006	12/23/1995			TRUE		TRUE					
17917	SR215348	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/26/1987	3/5/2006	6/30/1995	3/5/2006	12/23/1995			TRUE		TRUE					
17918	SR215349	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17919	SR215350	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17920	SR215351	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/26/1987	2/5/2006	6/30/1995	2/5/2006	12/23/1995			TRUE		TRUE					
17921	SR215352	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17922	SR215353	55G	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17923	SR215354	55G	EMPLACED_CNTR	11/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/26/1987	12/21/2006	6/30/1995	12/21/2006	12/23/1995			TRUE		TRUE					
17924	SR215354A	55G	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1		12/21/2006		12/21/2006				TRUE		TRUE					
17925	SR215355	55G	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17926	SR215356	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17927	SR215357	55G	EMPLACED_CNTR	8/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17928	SR215358	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
17929	SR215359	55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
17930	SR215360	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17931	SR215361	55G	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	3/11/2006	6/30/1995	3/11/2006	12/23/1995			TRUE		TRUE					
17932	SR215362	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	9/20/2005	6/30/1995	9/20/2005	12/23/1995			TRUE		TRUE					
17933	SR215363	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	12/31/2005	6/30/1995	12/31/2005	12/23/1995			TRUE		TRUE					
17934	SR215364	55G	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	3/20/2006	6/30/1995	3/20/2006	12/23/1995			TRUE		TRUE					
17935	SR215365	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17936	SR215367	55G	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/27/1987	4/18/2004	6/30/1995	4/18/2004	12/23/1995			TRUE		TRUE					
17937	SR215370	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17938	SR215371	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17939	SR215372	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	1/1/2006	6/30/1995	1/1/2006	12/23/1995			TRUE		TRUE					
17940	SR215374	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
17941	SR215375	55G	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	10/12/2006	6/30/1995	10/12/2006	12/23/1995			TRUE		TRUE					
17942	SR215376	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
17943	SR215377	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	8/10/2004	6/30/1995	8/10/2004	12/23/1995			TRUE		TRUE					
17944	SR215378	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440		0	1/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17945	SR215379	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	3/11/2006	6/30/1995	3/11/2006	12/23/1995			TRUE		TRUE					
17946	SR215380	55G	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	2/15/2004	6/30/1995	2/15/2004	12/23/1995			TRUE		TRUE					
17947	SR215382	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	6/26/2006	6/30/1995	6/26/2006	12/23/1995			TRUE		TRUE					
17948	SR215383	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	4/16/2004	6/30/1995	4/16/2004	12/23/1995			TRUE		TRUE					
17949	SR215384	55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	11/5/2006	6/30/1995	11/5/2006	12/23/1995			TRUE		TRUE					
17950	SR215385	55G	EMPLACED_CNTR	9/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	1/17/2006	6/30/1995	1/17/2006	12/23/1995			TRUE		TRUE					
17951	SR215386	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/30/1987	5/11/2006	6/30/1995	5/11/2006	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
17922	SR215387	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	1/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17923	SR215388	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/3/1987	10/19/2006	6/30/1995	10/19/2006	12/23/1995			TRUE		TRUE					
17924	SR215389	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17925	SR215390	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/3/1987	12/16/2005	6/30/1995	12/16/2005	12/23/1995			TRUE		TRUE					
17926	SR215391	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/3/1987	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
17927	SR215392	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17928	SR215393	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/3/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17929	SR215394	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/4/1987	10/16/2005	6/30/1995	10/16/2005	12/23/1995			TRUE		TRUE					
17960	SR215395	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17961	SR215396	SSG	EMPLACED_CNTR	9/21/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/4/1987	2/2/2006	6/30/1995	2/2/2006	12/23/1995			TRUE		TRUE					
17962	SR215397	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/4/1987	1/20/2006	6/30/1995	1/20/2006	12/23/1995			TRUE		TRUE					
17963	SR215398	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17964	SR215399	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17965	SR215400	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17966	SR215401	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/5/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17967	SR215403	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/5/1987	2/22/2006	6/30/1995	2/22/2006	12/23/1995			TRUE		TRUE					
17968	SR215404	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/5/1987	8/10/2004	6/30/1995	8/10/2004	12/23/1995			TRUE		TRUE					
17969	SR215405	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17970	SR215406	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/9/1987	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
17971	SR215407	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/9/1987	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
17972	SR215409	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17973	SR215410	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17974	SR215411	SSG	EMPLACED_CNTR	10/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17975	SR215412	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/9/1987	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
17976	SR215413	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/9/1987	11/10/2006	6/30/1995	11/10/2006	12/23/1995			TRUE		TRUE					
17977	SR215414	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17978	SR215416	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17979	SR215417	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/9/1987	9/19/2005	6/30/1995	9/19/2005	12/23/1995			TRUE		TRUE					
17980	SR215418	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17981	SR215419	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/10/1987	4/11/2006	6/30/1995	4/11/2006	12/23/1995			TRUE		TRUE					
17982	SR215420	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17983	SR215421	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17984	SR215422	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/10/1987	10/25/2005	6/30/1995	10/25/2005	12/23/1995			TRUE		TRUE					
17985	SR215424	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17986	SR215425	SSG	EMPLACED_CNTR	8/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17987	SR215426	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17988	SR215427	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/12/1987	3/5/2006	6/30/1995	3/5/2006	12/23/1995			TRUE		TRUE					
17989	SR215428	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17990	SR215429	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17991	SR215430	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17992	SR215431	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17993	SR215432	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17994	SR215433	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17995	SR215434	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17996	SR215435	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17997	SR215436	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17998	SR215437	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
17999	SR215438	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18000	SR215440	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18001	SR215441	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18002	SR215443	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18003	SR215444	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18004	SR215445	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18005	SR215446	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18006	SR215447	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/13/1987	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
18007	SR215448	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18008	SR215449	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18009	SR215450	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18010	SR215451	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18011	SR215452	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18012	SR215453	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18013	SR215454	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18014	SR215455	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18015	SR215456	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18016	SR215457	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18017	SR215459	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18018	SR215460	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/18/1987	12/16/2005	6/30/1995	12/16/2005	12/23/1995			TRUE		TRUE					
18019	SR215461	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18020	SR215463	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18021	SR215466	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/25/1987	11/7/2006	6/30/1995	11/7/2006	12/28/1995			TRUE		TRUE					
18022	SR215465	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18023	SR215466	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18024	SR215467	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18025	SR215468	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18026	SR215470	SSG	EMPLACED_CNTR	9/29/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/25/1987	3/24/2006	6/30/1995	3/24/2006	12/24/1995			TRUE		TRUE					
18027	SR215471	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18028	SR215473	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18029	SR215474	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/25/1987	3/3/2006	6/30/1995	3/3/2006	12/28/1995			TRUE		TRUE					
18030	SR215475	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18031	SR215476	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/21/1995			TRUE		TRUE					
18032	SR215477	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/24/1995			TRUE		TRUE					
18033	SR215478	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/24/1995			TRUE		TRUE					
18034	SR215479	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/24/1995			TRUE		TRUE					
18035	SR215480	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	2/25/1987	2/2/2006	6/30/1995	2/2/2006	12/28/1995			TRUE		TRUE					
18036	SR215482	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18037	SR215483	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/28/1995			TRUE		TRUE					
18038	SR215485	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440		0	2/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18039	SR215487	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221M-MET	55440	Remediate	1	3/2/1987	12/20/2005	6/30/1995	12/20/2005	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18040	SR215489	55G	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	5/2/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18041	SR215490	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	8/29/2006	6/30/1995	8/29/2006	12/23/1995			TRUE		TRUE					
18042	SR215491	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	10/27/2006	6/30/1995	10/27/2006	12/23/1995			TRUE		TRUE					
18043	SR215492	55G	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	5/12/2006	6/30/1995	5/12/2006	12/23/1995			TRUE		TRUE					
18044	SR215493	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	3/2/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18045	SR215494	55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	3/18/2006	6/30/1995	3/18/2006	12/23/1995			TRUE		TRUE					
18046	SR215495	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	12/19/2005	6/30/1995	12/19/2005	12/23/1995			TRUE		TRUE					
18047	SR215496	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	9/20/2005	6/30/1995	9/20/2005	12/23/1995			TRUE		TRUE					
18048	SR215497	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/2/1967	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
18049	SR215498	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	3/12/1967	12/19/2006	6/30/1995	12/19/2006	12/23/1995			TRUE		TRUE					
18050	SR216251	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18051	SR216253	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18052	SR216254	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18053	SR216256	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18054	SR216257	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	6/3/1967	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18055	SR216258	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	V&P Vent	0	6/3/1967	6/3/1967	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
18056	SR216260	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18057	SR216261	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/3/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18058	SR216262	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/9/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18059	SR216263	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/9/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18060	SR216264	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/9/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18061	SR216265	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/9/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18062	SR216267	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18063	SR216268	55G	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	6/22/1967	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18064	SR216269	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18065	SR216270	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	V&P Vent	0	6/22/1967	6/22/1987	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
18066	SR216272	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18067	SR216273	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18068	SR216274	55G	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	6/22/1967	2/26/2004	6/30/1995	2/26/2004	12/23/1995			TRUE		TRUE					
18069	SR216275	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18070	SR216276	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18071	SR216278	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18072	SR216280	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/22/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18073	SR216283	55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	6/26/1967	2/15/2004	6/30/1995	2/15/2004	12/23/1995			TRUE		TRUE					
18074	SR216285	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/26/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18075	SR216286	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/26/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18076	SR216287	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/26/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18077	SR216289	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/26/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18078	SR216290	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	6/26/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18079	SR216291	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18080	SR216292	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18081	SR216293	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18082	SR216294	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18083	SR216295	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18084	SR216296	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18085	SR216297	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18086	SR216298	55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18087	SR216299	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18088	SR216302	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/13/1967	2/23/2006	6/30/1995	2/23/2006	12/23/1995			TRUE		TRUE					
18089	SR216303	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18090	SR216304	55G	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/13/1967	10/11/2005	6/30/1995	10/11/2005	12/23/1995			TRUE		TRUE					
18091	SR216305	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18092	SR216306	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18093	SR216307	55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	V&P Vent	0	7/15/1967	7/15/1987	6/30/1995	10/31/2007	12/23/1995			TRUE		TRUE					
18094	SR216308	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18095	SR216309	55G	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18096	SR216310	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/16/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18097	SR216312	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/15/1967	2/25/2006	6/30/1995	2/25/2006	12/23/1995			TRUE		TRUE					
18098	SR216313	55G	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/15/1967	6/22/2004	6/30/1995	6/22/2004	12/23/1995			TRUE		TRUE					
18099	SR216314	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18100	SR216316	55G	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18101	SR216318	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/15/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18102	SR216323	55G	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/20/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18103	SR216324	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/20/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18104	SR216325	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/20/1967	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
18105	SR216326	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/20/1967	2/11/2006	6/30/1995	2/11/2006	12/23/1995			TRUE		TRUE					
18106	SR216327	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/20/1967	3/9/2006	6/30/1995	3/9/2006	12/23/1995			TRUE		TRUE					
18107	SR216328	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/23/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18108	SR216329	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/23/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18109	SR216330	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/13/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18110	SR216331	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/23/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18111	SR216332	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	7/23/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18112	SR216333	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	7/23/1967	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE		TRUE					
18113	SR216334A	55G	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1		11/13/2006		11/13/2006				TRUE		TRUE					
18114	SR216335	55G	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	8/4/1967	1/31/2006	6/30/1995	1/31/2006	12/23/1995			TRUE		TRUE					
18115	SR216336	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/4/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18116	SR216338	55G	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/4/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18117	SR216339	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/4/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18118	SR216340	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/4/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18119	SR216341	55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/4/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18120	SR216343	55G	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	8/12/1967	3/19/2006	6/30/1995	3/19/2006	12/23/1995			TRUE		TRUE					
18121	SR216346	55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18122	SR216347	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18123	SR216348	55G	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440	Remediate	1	8/12/1967	8/25/2007	6/30/1995	8/25/2007	12/23/1995			TRUE		TRUE					
18124	SR216349	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18125	SR216350	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18126	SR216351	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					
18127	SR216352	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221H-HET	55440		0	8/12/1967		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18128	SR216353	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	8/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18129	SR216356	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	8/12/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18130	SR216357	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	8/12/1987	2/16/2006	6/30/1995	2/16/2006	12/23/1995			TRUE		TRUE					
18131	SR216359	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	9/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18132	SR216361	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	9/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18133	SR216362	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	9/9/1987	1/9/2007	6/30/1995	1/9/2007	12/23/1995			TRUE		TRUE					
18134	SR216363	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	9/9/1987	8/9/2005	6/30/1995	8/9/2005	12/23/1995			TRUE		TRUE					
18135	SR216364	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	9/9/1987	2/1/2006	6/30/1995	2/1/2006	12/23/1995			TRUE		TRUE					
18136	SR216365	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/13/1987	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18137	SR216366	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18138	SR216367	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18139	SR216368	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18140	SR216369	SSG	EMPLACED_CNTR	9/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18141	SR216370	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/13/1987	5/12/2006	6/30/1995	5/12/2006	12/23/1995			TRUE		TRUE					
18142	SR216371	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18143	SR216372	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18144	SR216373	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18145	SR216374	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18146	SR216375	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18147	SR216376	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/19/1987	1/14/2006	6/30/1995	1/14/2006	12/23/1995			TRUE		TRUE					
18148	SR216377	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18149	SR216378	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18150	SR216379	SSG	EMPLACED_CNTR	9/19/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18151	SR216380	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18152	SR216381	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18153	SR216382	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18154	SR216383	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/26/1987	2/17/2006	6/30/1995	2/17/2006	12/23/1995			TRUE		TRUE					
18155	SR216384	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18156	SR216385	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	10/26/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18157	SR216386	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/26/1987	1/16/2006	6/30/1995	1/16/2006	12/23/1995			TRUE		TRUE					
18158	SR216387	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	10/26/1987	5/21/2008	6/30/1995	5/21/2008	12/23/1995			TRUE		TRUE					
18159	SR216388	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/4/1987	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18160	SR216389	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/4/1987	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18161	SR216390	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18162	SR216391	SSG	EMPLACED_CNTR	9/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/4/1987	2/28/2007	6/30/1995	2/28/2007	12/23/1995			TRUE		TRUE					
18163	SR216393	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/4/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18164	SR216395	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/4/1987	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18165	SR216396	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/9/1987	3/25/2006	6/30/1995	3/25/2006	12/23/1995			TRUE		TRUE					
18166	SR216398	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18167	SR216399	SSG	EMPLACED_CNTR	10/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18168	SR216400	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18169	SR216401	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/9/1987	10/25/2007	6/30/1995	10/25/2007	12/23/1995			TRUE		TRUE					
18170	SR216402	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18171	SR216403	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18172	SR216404	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18173	SR216405	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18174	SR216406	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18175	SR216407	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18176	SR216408	SSG	EMPLACED_CNTR	7/17/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18177	SR216409	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18178	SR216410	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18179	SR216411	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/23/1987	3/10/2006	6/30/1995	3/10/2006	12/23/1995			TRUE		TRUE					
18180	SR216412	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18181	SR216413	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18182	SR216414	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	11/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18183	SR216421	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	12/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18184	SR216422	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	12/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18185	SR216423	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	12/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18186	SR216424	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	12/10/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18187	SR216425	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/10/1987	1/17/2006	6/30/1995	1/17/2006	12/23/1995			TRUE		TRUE					
18188	SR216426	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/10/1987	10/13/2005	6/30/1995	10/13/2005	12/23/1995			TRUE		TRUE					
18189	SR216427	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/12/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18190	SR216428	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/12/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18191	SR216429	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/12/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18192	SR216430	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/12/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18193	SR216431	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18194	SR216432	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	1/21/1988	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
18195	SR216433	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	1/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18196	SR216434	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	1/21/1988	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18197	SR216435	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18198	SR216436	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	2/9/1988	2/12/2004	6/30/1995	2/12/2004	12/23/1995			TRUE		TRUE					
18199	SR216437	SSG	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18200	SR216438	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18201	SR216439	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18202	SR216440	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18203	SR216441	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18204	SR216442	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18205	SR216443	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18206	SR216444	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/24/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18207	SR216449	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	2/24/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18208	SR216451	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18209	SR216452	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18210	SR216453	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18211	SR216454	SSG	EMPLACED_CNTR	8/22/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18212	SR216455	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/3/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18213	SR216456	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/3/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18214	SR216457	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440		0	3/3/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18215	SR216458	SSG	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	3/3/1988	1/11/2006	6/30/1995	1/11/2006	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18216	SR216458	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/18/1988	2/16/2004	6/30/1995	2/16/2004	12/23/1995			TRUE		TRUE					
18217	SR216460	SSG	EMPLACED_CNTR	8/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/18/1988	1/29/2006	6/30/1995	1/29/2006	12/23/1995			TRUE		TRUE					
18218	SR216461	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18219	SR216462	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18220	SR216463	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18221	SR216464	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18222	SR216465	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/24/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18223	SR216466	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/25/1988	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE		TRUE					
18224	SR216467	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18225	SR216468	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/25/1988	3/24/2006	6/30/1995	3/24/2006	12/23/1995			TRUE		TRUE					
18226	SR216470	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18227	SR216471	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18228	SR216472	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/25/1988	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18229	SR216475	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	3/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18230	SR216476	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18231	SR216477	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18232	SR216478	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18233	SR216479	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18234	SR216480	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18235	SR216481	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18236	SR216482	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/14/1988	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18237	SR216483	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18238	SR216484	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18239	SR216485	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18240	SR216486	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/14/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18241	SR216487	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18242	SR216488	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/20/1988	9/21/2005	6/30/1995	9/21/2005	12/23/1995			TRUE		TRUE					
18243	SR216489	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18244	SR216490	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
18245	SR216491	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18246	SR216492	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18247	SR216493	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18248	SR216494	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/20/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18249	SR227501	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Lid Removal	0	6/5/1986	2/25/2003	6/30/1995	2/25/2003	12/23/1995			TRUE		TRUE					
18250	SR227502	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	6/5/1986	8/5/1986	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
18251	SR227503	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/5/1986	3/9/2004	6/30/1995	3/9/2004	12/23/1995			TRUE		TRUE					
18252	SR227504	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/5/1986		10/20/1998		4/14/1999			TRUE		TRUE					
18253	SR227505	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/5/1986		2/11/1999		8/6/1999			TRUE		TRUE					
18254	SR227506A	SSG	PRESUB_CERT		7/16/2012 11:19	mccabed	SR-WD27-221H-HET	SS440			6/30/1986	1/20/2003		1/20/2003		Added per MrDoherty (M170) 071612. The A does not indicate a daughter container.		TRUE	FALSE	TRUE	NA					
18255	SR227511	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/2/1986	3/14/2004	6/30/1995	3/14/2004	12/23/1995			TRUE		TRUE					
18256	SR227512	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/2/1986	3/14/2004	6/30/1995	3/14/2004	12/23/1995			TRUE		TRUE					
18257	SR227513	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/2/1986	2/25/2004	6/30/1995	2/25/2004	12/23/1995			TRUE		TRUE					
18258	SR227514	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/7/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18259	SR227515	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/7/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18260	SR227516	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/7/1986	1/29/2006	6/30/1995	1/29/2006	12/23/1995			TRUE		TRUE					
18261	SR227517	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/31/1986	3/28/2006	6/30/1995	3/28/2006	12/23/1995			TRUE		TRUE					
18262	SR227518	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/31/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18263	SR227520	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	8/27/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18264	SR227521	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	8/27/1986	10/3/2006	6/30/1995	10/3/2006	12/23/1995			TRUE		TRUE					
18265	SR227522	SSG	EMPLACED_CNTR	8/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	8/27/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18266	SR227523	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	8/27/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18267	SR227540	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/22/1986		10/20/1998		4/14/1999			TRUE		TRUE					
18268	SR227541	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/22/1986		12/17/1998		6/11/1999			TRUE		TRUE					
18269	SR227542	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/22/1986		12/17/1998		6/11/1999			TRUE		TRUE					
18270	SR227543	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/22/1986	1/19/2006	12/30/1998	1/19/2006	6/24/1999			TRUE		TRUE					
18271	SR227544	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/21/1986	10/23/2007	6/30/1995	10/23/2007	12/23/1995			TRUE		TRUE					
18272	SR227545	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/22/1986		2/9/1999		8/4/1999			TRUE		TRUE					
18273	SR227546	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/22/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18274	SR227547	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/23/1986	2/16/2004	12/17/1998	2/16/2004	6/11/1999			TRUE		TRUE					
18275	SR227548	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/23/1986		10/21/1998		4/15/1999			TRUE		TRUE					
18276	SR227549	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		12/28/1998		6/22/1999			TRUE		TRUE					
18277	SR227550	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18278	SR227551	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		10/20/1998		4/14/1999			TRUE		TRUE					
18279	SR227552	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18280	SR227553	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		10/27/1998		4/21/1999			TRUE		TRUE					
18281	SR227554	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		2/16/1999		8/11/1999			TRUE		TRUE					
18282	SR227555	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18283	SR227556	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		2/16/1999		8/5/1999			TRUE		TRUE					
18284	SR227557	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		12/28/1998		6/22/1999			TRUE		TRUE					
18285	SR227558	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/21/1986		10/21/1998		4/15/1999			TRUE		TRUE					
18286	SR227559	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/21/1986	4/10/2004	2/16/1999	4/10/2004	8/11/1999			TRUE		TRUE					
18287	SR227560	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		2/17/1999		8/12/1999			TRUE		TRUE					
18288	SR227561	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18289	SR227562	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		2/17/1999		8/12/1999			TRUE		TRUE					
18290	SR227563	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		10/21/1998		4/15/1999			TRUE		TRUE					
18291	SR227564	SSG	EMPLACED_CNTR	9/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		12/29/1998		6/23/1999			TRUE		TRUE					
18292	SR227565	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/28/1986		10/27/1998		4/21/1999			TRUE		TRUE					
18293	SR227566	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/29/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18294	SR227567	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/29/1986		2/16/1999		8/11/1999			TRUE		TRUE					
18295	SR227568	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	5/30/1986		2/11/1999		8/6/1999			TRUE		TRUE					
18296	SR227575	SSG	EMPLACED_CNTR	5/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/9/1986	3/14/2004	2/17/1999	3/14/2004	8/12/1999			TRUE		TRUE					
18297	SR227578	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/9/1986		2/17/1999		8/12/1999			TRUE		TRUE					
18298	SR227579	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/9/1986		12/29/1998		6/23/1999			TRUE		TRUE					
18299	SR227580	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	6/9/1986		2/17/1999		8/12/1999			TRUE		TRUE					
18300	SR227587	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18301	SR227599	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/17/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18302	SR227600	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/17/1986	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18304	SR227601	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	7/17/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18305	SR227602	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/17/1986	3/12/2006	6/30/1995	3/12/2006	12/23/1995			TRUE		TRUE					
18306	SR227604	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/17/1986	2/25/2006	6/30/1995	2/25/2006	12/23/1995			TRUE		TRUE					
18308	SR227611	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/30/1986	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18307	SR227614	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	7/30/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18308	SR227615	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	7/30/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18309	SR227616	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/30/1986	3/4/2006	6/30/1995	3/4/2006	12/23/1995			TRUE		TRUE					
18310	SR227620	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18311	SR227621	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18312	SR227622	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18313	SR227624	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/5/1986	3/5/2006	6/30/1995	3/5/2006	12/23/1995			TRUE		TRUE					
18314	SR227625	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18315	SR227626	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18316	SR227627	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/5/1986	3/11/2006	6/30/1995	3/11/2006	12/23/1995			TRUE		TRUE					
18317	SR227638	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1986	7/2/2006	6/30/1995	7/2/2006	12/23/1995			TRUE		TRUE					
18318	SR227639	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1986	3/9/2006	6/30/1995	3/9/2006	12/23/1995			TRUE		TRUE					
18319	SR227640	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-22-1H-HET	SS440	Remediate	1	8/13/1986	10/13/2005	6/30/1995	10/13/2005	12/23/1995			TRUE		TRUE					
18320	SR227641	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/11/1986	5/7/2008	6/30/1995	5/7/2008	12/23/1995			TRUE		TRUE					
18321	SR227642	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/11/1986	2/22/2006	6/30/1995	2/22/2006	12/23/1995			TRUE		TRUE					
18322	SR227643	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/11/1986	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18323	SR227650	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18324	SR227651	SSG	EMPLACED_CNTR	10/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18325	SR227652	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18326	SR227653	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18327	SR227654	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18328	SR227655	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	8/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18329	SR227656	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/20/1986	11/15/2005	6/30/1995	11/15/2005	12/23/1995			TRUE		TRUE					
18330	SR227659	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	10/11/2005	6/30/1995	10/11/2005	12/23/1995			TRUE		TRUE					
18331	SR227661	SSG	EMPLACED_CNTR	9/9/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	6/20/2004	6/30/1995	6/20/2004	12/23/1995			TRUE		TRUE					
18332	SR227662	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	11/17/2005	6/30/1995	11/17/2005	12/23/1995			TRUE		TRUE					
18333	SR227663	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	5/10/2006	6/30/1995	5/10/2006	12/23/1995			TRUE		TRUE					
18334	SR227663A	SSG	EMPLACED_CNTR	1/18/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1		5/10/2006		5/10/2006				TRUE		TRUE					
18335	SR227664	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	5/12/2006	6/30/1995	5/12/2006	12/23/1995			TRUE		TRUE					
18336	SR227665	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	12/2/2005	6/30/1995	12/2/2005	12/23/1995			TRUE		TRUE					
18337	SR227666	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	1/20/2006	6/30/1995	1/20/2006	12/23/1995			TRUE		TRUE					
18338	SR227667	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/29/1986	11/23/2005	6/30/1995	11/23/2005	12/23/1995			TRUE		TRUE					
18339	SR227672	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18340	SR227673	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18341	SR227674	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/4/1986	3/25/2006	6/30/1995	3/25/2006	12/23/1995			TRUE		TRUE					
18342	SR227675	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18343	SR227676	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18344	SR227677	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18345	SR227678	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18346	SR227679	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/11/1986	3/9/2006	6/30/1995	3/9/2006	12/23/1995			TRUE		TRUE					
18347	SR227683	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18348	SR227684	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/16/1986	7/20/2006	6/30/1995	7/20/2006	12/23/1995			TRUE		TRUE					
18349	SR227685	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18350	SR227686	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18351	SR227687	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18352	SR227688	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/16/1986	11/19/2005	6/30/1995	11/19/2005	12/23/1995			TRUE		TRUE					
18353	SR227689	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18354	SR227695	SSG	EMPLACED_CNTR	1/1/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/22/1986	9/7/2006	6/30/1995	9/7/2006	12/23/1995			TRUE		TRUE					
18355	SR227695A	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1		9/7/2006		9/7/2006				TRUE		TRUE					
18356	SR227696	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/22/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18357	SR227697	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/22/1986	3/26/2006	6/30/1995	3/26/2006	12/23/1995			TRUE		TRUE					
18358	SR227698	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/22/1986	2/13/2004	6/30/1995	2/13/2004	12/23/1995			TRUE		TRUE					
18359	SR227699	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/22/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18360	SR227700	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/22/1986	10/29/2005	6/30/1995	10/29/2005	12/23/1995			TRUE		TRUE					
18361	SR227702	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18362	SR227703	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18363	SR227704	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18364	SR227713	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18365	SR227724	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-22-1H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18366	SR227725	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/23/1986	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18367	SR227727	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18368	SR227729	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18369	SR227730	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18370	SR227731	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18371	SR227732	SSG	EMPLACED_CNTR	8/30/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/23/1986	1/29/2006	6/30/1995	1/29/2006	12/23/1995			TRUE		TRUE					
18372	SR227734	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18373	SR230334	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/28/1986	3/8/2006	6/30/1995	3/8/2006	12/23/1995			TRUE		TRUE					
18374	SR230337	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/28/1986	3/4/2006	6/30/1995	3/4/2006	12/23/1995			TRUE		TRUE					
18375	SR230338	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/28/1986	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
18376	SR230340	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/28/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18377	SR230341	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	10/28/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18378	SR230342	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18379	SR230343	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18380	SR230344	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/24/1995			TRUE		TRUE					
18381	SR230345	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18382	SR230346	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18383	SR230347	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18384	SR230348	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18385	SR230349	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18386	SR230350	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18387	SR230351	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18388	SR230352	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18389	SR230353	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440		0	11/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18390	SR230354	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/19/1986	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18391	SR230355	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/8/1986	2/22/2006	6/30/1995	2/22/2006	12/23/1995			TRUE		TRUE					
18392	SR230356	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18393	SR230358	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18394	SR230360	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18395	SR230361	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18396	SR230362	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18397	SR230363	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18398	SR230364	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18399	SR230365	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/10/1986	8/10/2004	6/30/1995	8/10/2004	12/23/1995			TRUE		TRUE					
18400	SR230367	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18401	SR230368	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18402	SR230369	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/13/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18403	SR230370	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/13/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18404	SR230371	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/13/1986	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18405	SR230373	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/13/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18406	SR230374	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18407	SR230375	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18408	SR230376	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18409	SR230377	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	3/30/2006	6/30/1995	3/30/2006	12/23/1995			TRUE		TRUE					
18410	SR230379	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/13/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18411	SR230380	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	3/15/2006	6/30/1995	3/15/2006	12/23/1995			TRUE		TRUE					
18412	SR230382	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	4/19/2004	6/30/1995	4/19/2004	12/23/1995			TRUE		TRUE					
18413	SR230383	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18414	SR230384	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	2/7/2007	6/30/1995	2/7/2007	12/23/1995			TRUE		TRUE					
18415	SR230384A	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1		2/7/2007		2/7/2007				TRUE		TRUE					
18416	SR230385	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18417	SR230386	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	2/17/2004	6/30/1995	2/17/2004	12/23/1995			TRUE		TRUE					
18418	SR230387	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18419	SR230388	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18420	SR230389	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	2/1/2006	6/30/1995	2/1/2006	12/23/1995			TRUE		TRUE					
18421	SR230390	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18422	SR230391	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
18423	SR230392	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18424	SR230393	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18425	SR230394	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
18426	SR230395	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18427	SR230396	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18428	SR230397	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/14/1986	12/2/2006	6/30/1995	12/2/2006	12/23/1995			TRUE		TRUE					
18429	SR230399	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18430	SR230404	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/20/1986	3/5/2007	6/30/1995	3/5/2007	12/23/1995			TRUE		TRUE					
18431	SR230405	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18432	SR230406A	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1		12/25/2006		12/25/2006				TRUE		TRUE					
18433	SR230407	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/20/1986	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
18434	SR230408	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/20/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18435	SR230410	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/20/1986	10/19/2006	6/30/1995	10/19/2006	12/23/1995			TRUE		TRUE					
18436	SR230411	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/20/1986	1/21/2006	6/30/1995	1/21/2006	12/23/1995			TRUE		TRUE					
18437	SR230412	SSG	EMPLACED_CNTR	8/10/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/20/1986	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
18438	SR230413	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18439	SR230414	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18440	SR230415	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	3/11/2006	6/30/1995	3/11/2006	12/23/1995			TRUE		TRUE					
18441	SR230415A	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1		3/11/2006		3/11/2006				TRUE		TRUE					
18442	SR230416	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	10/23/2005	6/30/1995	10/23/2005	12/23/1995			TRUE		TRUE					
18443	SR230417	SSG	EMPLACED_CNTR	9/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
18444	SR230418	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18445	SR230419	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18446	SR230420	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
18447	SR230421	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18448	SR230422	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18449	SR230423	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18450	SR230424	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18451	SR230425	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18452	SR230426	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	3/10/2006	6/30/1995	3/10/2006	12/23/1995			TRUE		TRUE					
18453	SR230428	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18454	SR230429	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/24/1986	12/21/2005	6/30/1995	12/21/2005	12/23/1995			TRUE		TRUE					
18455	SR230430	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18456	SR230431	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18457	SR230433	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18458	SR230434	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18459	SR230435	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18460	SR230436	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18461	SR230437	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18462	SR230438	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/25/1986	12/2/2005	6/30/1995	12/2/2005	12/23/1995			TRUE		TRUE					
18463	SR230439	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/25/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18464	SR230440	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/2/1986	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18465	SR230441	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/2/1986	2/15/2004	6/30/1995	2/15/2004	12/23/1995			TRUE		TRUE					
18466	SR230442	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18467	SR230443	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/2/1986	10/11/2005	6/30/1995	10/11/2005	12/23/1995			TRUE		TRUE					
18468	SR230444	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18469	SR230445	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/26/1986	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18470	SR230446	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	11/26/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18471	SR230447	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/1/1986	1/13/2006	6/30/1995	1/13/2006	12/23/1995			TRUE		TRUE					
18472	SR230448	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/1/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18473	SR230449	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/1/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18474	SR230450	SSG	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/1/1986	11/16/2006	6/30/1995	11/16/2006	12/23/1995			TRUE		TRUE					
18475	SR230451	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Lid Removal	1	12/1/1986	8/14/2003	6/30/1995	8/14/2003	12/23/1995			TRUE		TRUE					
18476	SR230452	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/1/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18477	SR230453	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440	Remediate	1	12/1/1986	3/12/2006	6/30/1995	3/12/2006	12/23/1995			TRUE		TRUE					
18478	SR230454	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-221H-MET	55440		0	12/1/1986		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18479	SR230455	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18480	SR230456	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18481	SR230457	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18482	SR230458	55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18483	SR230459	55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18484	SR230460	55G	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18485	SR230461	55G	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18486	SR230462	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18487	SR230463	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/2/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18488	SR230464	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18489	SR230465	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18490	SR230466	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18491	SR230467	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/3/1986	11/20/2005	6/30/1995	11/20/2005	12/23/1995			TRUE		TRUE					
18492	SR230468	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18493	SR230469	55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18494	SR230470	55G	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/4/1986	3/4/2006	6/30/1995	3/4/2006	12/23/1995			TRUE		TRUE					
18495	SR230473	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18496	SR230474	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18497	SR230475	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18498	SR230476	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/4/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18499	SR230477	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18500	SR230478	55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18501	SR230481	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18502	SR230482	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18503	SR230483	55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18504	SR230484	55G	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/8/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18505	SR230488	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18506	SR230489	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18507	SR230490	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/9/1986	3/11/2006	6/30/1995	3/11/2006	12/23/1995			TRUE		TRUE					
18508	SR230491	55G	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18509	SR232501	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18510	SR232502	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18511	SR232503	55G	EMPLACED_CNTR	4/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/15/1986	1/18/2007	6/30/1995	1/18/2007	12/23/1995			TRUE		TRUE					
18512	SR232504	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18513	SR232505	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/15/1986	10/20/2006	6/30/1995	10/20/2006	12/23/1995			TRUE		TRUE					
18514	SR232526	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/22/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18515	SR232539	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18516	SR232540	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
18517	SR232541	55G	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/6/1986	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18518	SR232542	55G	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/6/1986	5/6/2006	6/30/1995	5/6/2006	12/23/1995			TRUE		TRUE					
18519	SR232586	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18520	SR232587	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	2/26/2004	6/30/1995	2/26/2004	12/23/1995			TRUE		TRUE					
18521	SR232594	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18522	SR232595	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/21/1987	8/10/2004	6/30/1995	8/10/2004	12/23/1995			TRUE		TRUE					
18523	SR232596	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18524	SR232597	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/21/1987	11/19/2005	6/30/1995	11/19/2005	12/23/1995			TRUE		TRUE					
18525	SR232607	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/8/1987	1/8/1987	6/30/1995	1/13/2004	12/23/1995			TRUE		TRUE					
18526	SR232608	55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/8/1987	4/17/2006	6/30/1995	4/17/2006	12/23/1995			TRUE		TRUE					
18527	SR232609	55G	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/8/1987	4/5/2006	6/30/1995	4/5/2006	12/23/1995			TRUE		TRUE					
18528	SR232619	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18529	SR232655	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/6/1987	12/7/2006	6/30/1995	12/7/2006	12/23/1995			TRUE		TRUE					
18530	SR232656	55G	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/6/1987	3/9/2006	6/30/1995	3/9/2006	12/23/1995			TRUE		TRUE					
18531	SR232657	55G			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/6/1987		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
18532	SR232676	55G	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/25/1987	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
18533	SR232677	55G			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/25/1987		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
18534	SR232705	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18535	SR232736	55G	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/20/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18536	SR232737	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/20/1987	9/12/2007	6/30/1995	9/12/2007	12/23/1995			TRUE		TRUE					
18537	SR233751	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18538	SR233753	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18539	SR233755	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18540	SR233756	55G	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/11/1987	4/8/2006	6/30/1995	4/8/2006	12/23/1995			TRUE		TRUE					
18541	SR233757	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18542	SR233758	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	9/20/2005	6/30/1995	9/20/2005	12/23/1995			TRUE		TRUE					
18543	SR233761	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18544	SR233763	55G	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	11/15/2007	6/30/1995	11/15/2007	12/23/1995			TRUE		TRUE					
18545	SR233764	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18546	SR233764A	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1		8/9/2004		8/9/2004				TRUE		TRUE					
18547	SR233765	55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	10/13/2006	6/30/1995	10/13/2006	12/23/1995			TRUE		TRUE					
18548	SR233767	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	2/23/2006	6/30/1995	2/23/2006	12/23/1995			TRUE		TRUE					
18549	SR233768	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/13/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18550	SR233770	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	8/9/2004	6/30/1995	8/9/2004	12/23/1995			TRUE		TRUE					
18551	SR233772	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/13/1987	3/3/2006	6/30/1995	3/3/2006	12/23/1995			TRUE		TRUE					
18552	SR233786	55G	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/18/1987	4/21/2006	6/30/1995	4/21/2006	12/23/1995			TRUE		TRUE					
18553	SR233787	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18554	SR233799	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/19/1987	12/1/2006	6/30/1995	12/1/2006	12/23/1995			TRUE		TRUE					
18555	SR233801	55G	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/22/1987	12/20/2005	6/30/1995	12/20/2005	12/23/1995			TRUE		TRUE					
18556	SR233801A	55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1		12/20/2005		12/20/2005				TRUE		TRUE					
18557	SR233803	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18558	SR233821	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/9/1987	6/9/2006	6/30/1995	6/9/2006	12/23/1995			TRUE		TRUE					
18559	SR233821A	55G	EMPLACED_CNTR	5/11/2012 10:11	3/15/2012 20:52	mccabed	SR-W027-221H-HET	55440			6/9/2006	3/12/2012	6/9/2006	3/12/2012		Container was previously assigned SWD061388; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
18560	SR233822	55G	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/9/1987	3/16/2006	6/30/1995	3/16/2006	12/23/1995			TRUE		TRUE					
18561	SR233823	55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/9/1987	8/8/2004	6/30/1995	8/8/2004	12/23/1995			TRUE		TRUE					
18562	SR233847	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/30/1987	12/30/2006	6/30/1995	12/30/2006	12/23/1995			TRUE		TRUE					
18563	SR233848	55G	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/30/1987	9/21/2005	6/30/1995	9/21/2005	12/23/1995			TRUE		TRUE					
18564	SR233849	55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/30/1987	2/2/2006	6/30/1995	2/2/2006	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
									VE Technique																
18565	SR233850	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	for audit	0	7/30/1987	11/2/2005	6/30/1995	11/1/2005	12/23/1995			TRUE		TRUE					
18566	SR233850A	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		5/10/2006		5/10/2006				TRUE		TRUE					
18567	SR233883	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	8/28/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18568	SR233884	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/28/1987	8/11/2004	6/30/1995	8/11/2004	12/23/1995			TRUE		TRUE					
18569	SR233900	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/3/1987	12/3/2005	6/30/1995	12/3/2005	12/23/1995			TRUE		TRUE					
18570	SR233900A	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		12/3/2005		12/3/2005				TRUE		TRUE					
18571	SR233902	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/3/1987	4/18/2004	6/30/1995	4/18/2004	12/23/1995			TRUE		TRUE					
18572	SR233903	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/3/1987	8/12/2004	6/30/1995	8/12/2004	12/23/1995			TRUE		TRUE					
18573	SR233917	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18574	SR233918	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18575	SR233919	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18576	SR233920	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18577	SR233921	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18578	SR233922	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18579	SR233923	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18580	SR233924	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18581	SR233925	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18582	SR233926	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/21/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18583	SR233927	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18584	SR233928	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18585	SR233929	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18586	SR233934	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18587	SR233935	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18588	SR233936	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18589	SR233938	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18590	SR233939	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/25/1987	1/17/2008	6/30/1995	1/17/2008	12/23/1995			TRUE		TRUE					
18591	SR233940	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18592	SR233941	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18593	SR233942	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE		TRUE					
18594	SR233943	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	1/31/2006	6/30/1995	1/31/2006	12/23/1995			TRUE		TRUE					
18595	SR233944	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	3/23/2006	6/30/1995	3/23/2006	12/23/1995			TRUE		TRUE					
18596	SR233945	SSG	EMPLACED_CNTR	9/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18597	SR233946	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	1/17/2006	6/30/1995	1/17/2006	12/23/1995			TRUE		TRUE					
18598	SR233973	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18599	SR233974	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18600	SR233976	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18601	SR233977	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18602	SR233978	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18603	SR233979	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18604	SR233980	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/22/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18605	SR233984	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
18606	SR233985	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18607	SR233986	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	10/30/1987	10/30/1987	6/30/1995	10/2/2003	12/23/1995			TRUE		TRUE					
18608	SR233989	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
18609	SR233990	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	5/3/2006	6/30/1995	5/3/2006	12/23/1995			TRUE		TRUE					
18610	SR233991	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	1/3/2006	6/30/1995	1/3/2006	12/23/1995			TRUE		TRUE					
18611	SR243501	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18612	SR243502	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18613	SR243503	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	6/28/1988	12/18/2006	6/30/1995	12/18/2006	12/23/1995			TRUE		TRUE					
18614	SR243504	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18615	SR243505	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	6/28/1988	9/20/2005	6/30/1995	9/20/2005	12/23/1995			TRUE		TRUE					
18616	SR243506	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/15/1995			TRUE		TRUE					
18617	SR243507	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18618	SR243508	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18619	SR243509	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18620	SR243510	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/15/1995			TRUE		TRUE					
18621	SR243511	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18622	SR243512	SSG	EMPLACED_CNTR	6/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18623	SR243513	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	6/29/1988	2/29/2004	6/30/1995	2/29/2004	12/23/1995			TRUE		TRUE					
18624	SR243514	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18625	SR243515	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18626	SR243516	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18627	SR243517	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18628	SR243518	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18629	SR243519	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18630	SR243520	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18631	SR243521	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18632	SR243522	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18633	SR243523	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18634	SR243524	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18635	SR243525	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18636	SR243526	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18637	SR243527	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18638	SR243528	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18639	SR243529	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18640	SR243530	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18641	SR243531	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18642	SR243532	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18643	SR243533	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	7/13/1988	1/17/2007	6/30/1995	1/17/2007	12/23/1995			TRUE		TRUE					
18644	SR243534	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	7/13/1988	11/12/2006	6/30/1995	11/12/2006	12/23/1995			TRUE		TRUE					
18645	SR243535	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18646	SR243536	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18647	SR243537	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18648	SR243538	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	7/13/1988	3/15/2004	6/30/1995	3/15/2004	12/23/1995			TRUE		TRUE					
18649	SR243539	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18650	SR243540	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18651	SR243541	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18457	SR243542	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/13/1988	2/25/2004	6/30/1995	2/25/2004	12/23/1995			TRUE		TRUE					
18458	SR243543	SSG	EMPLACED_CNTR	5/11/2012 10:11	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/13/1988	10/2/2007	6/30/1995	10/2/2007	12/23/1995			TRUE	TRUE	TRUE					
18459	SR243544	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18460	SR243545	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18461	SR243546	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18462	SR243547	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18463	SR243548	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18464	SR243549	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18465	SR243550	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18466	SR243551	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18467	SR243552	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18468	SR243553	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18469	SR243554	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/13/1988	1/3/2006	6/30/1995	1/3/2006	12/23/1995			TRUE		TRUE					
18470	SR243555	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18471	SR243557	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18472	SR243558	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/15/1988	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
18473	SR243559	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18474	SR243560	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18475	SR243561	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18476	SR243562	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18477	SR243563	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18478	SR243564	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18479	SR243565	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18480	SR243566	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18481	SR243567	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18482	SR243568	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/27/1988	2/22/2006	6/30/1995	2/22/2006	12/23/1995			TRUE		TRUE					
18483	SR243569	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18484	SR243570	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18485	SR243571	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18486	SR243572	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18487	SR243573	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18488	SR243574	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18489	SR243575	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18490	SR243576	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18491	SR243577	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/28/1988	3/13/2004	6/30/1995	3/13/2004	12/23/1995			TRUE		TRUE					
18492	SR243578	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18493	SR243579	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18494	SR243580	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18495	SR243581	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/28/1988	10/5/2006	6/30/1995	10/5/2006	12/23/1995			TRUE		TRUE					
18496	SR243582	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18497	SR243583	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/28/1988	3/21/2007	6/30/1995	3/21/2007	12/23/1995			TRUE		TRUE					
18498	SR243587	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18499	SR243588	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18500	SR243589	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18501	SR243591	SSG	EMPLACED_CNTR	5/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18502	SR243592	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18503	SR243593	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	8/13/2004	6/30/1995	8/13/2004	12/23/1995			TRUE		TRUE					
18504	SR243594	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	4/17/2004	6/30/1995	4/17/2004	12/23/1995			TRUE		TRUE					
18505	SR243595	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18506	SR243596	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	12/22/2005	6/30/1995	12/22/2005	12/23/1995			TRUE		TRUE					
18507	SR243597	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18508	SR243598	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18509	SR243599	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18510	SR243600	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18511	SR243601	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18512	SR243602	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
18513	SR243603	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	3/7/2006	6/30/1995	3/7/2006	12/23/1995			TRUE		TRUE					
18514	SR243604	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18515	SR243605	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18516	SR243606	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1988	2/23/2006	6/30/1995	2/23/2006	12/23/1995			TRUE		TRUE					
18517	SR243607	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18518	SR243608	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/11/1988	11/6/2006	6/30/1995	11/6/2006	12/23/1995			TRUE		TRUE					
18519	SR243609	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18520	SR243610	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18521	SR243611	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18522	SR243612	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18523	SR243613	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18524	SR243614	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18525	SR243615	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18526	SR243616	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18527	SR243617	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18528	SR243618	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18529	SR243619	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18530	SR243620	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/18/1988	11/19/2006	6/30/1995	11/19/2006	12/23/1995			TRUE		TRUE					
18531	SR243621	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18532	SR243622	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18533	SR243623	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18534	SR243624	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18535	SR243625	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18536	SR243626	SSG	EMPLACED_CNTR	9/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18537	SR243627	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18538	SR243628	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18539	SR243629	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18540	SR243630	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18541	SR243631	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18542	SR243632	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/19/1988	2/25/2006	6/30/1995	2/25/2006	12/23/1995			TRUE		TRUE					
18543	SR243633	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18544	SR243634	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	8/18/1988		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18740	SR243635	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18741	SR243636	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18742	SR243637	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18743	SR243638	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18744	SR243639	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18745	SR243640	SSG	EMPLACED_CNTR	6/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18746	SR243641	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/19/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18747	SR243642	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/18/1968	12/1/2004	6/30/1995	12/1/2004	12/23/1995			TRUE		TRUE					
18748	SR243643	SSG	EMPLACED_CNTR	8/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18749	SR243644	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/18/1968	3/29/2006	6/30/1995	3/29/2006	12/23/1995			TRUE		TRUE					
18750	SR243645	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18751	SR243646	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18752	SR243647	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18753	SR243648	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18754	SR243649	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18755	SR243650	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18756	SR243651	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/23/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18757	SR243652	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18758	SR243653	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18759	SR243654	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/24/1968	3/3/2004	6/30/1995	3/3/2004	12/23/1995			TRUE		TRUE					
18760	SR243655	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/24/1968	5/27/2008	6/30/1995	5/27/2008	12/23/1995			TRUE		TRUE					
18761	SR243656	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18762	SR243657	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18763	SR243658	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18764	SR243659	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18765	SR243660	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/24/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18766	SR243661	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18767	SR243662	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		10/29/1998		4/23/1999			TRUE		TRUE					
18768	SR243663	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18769	SR243664	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/25/1968	2/28/2006	6/30/1995	2/28/2006	12/23/1995			TRUE		TRUE					
18770	SR243665	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18771	SR243666	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18772	SR243667	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18773	SR243668	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18774	SR243669	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18775	SR243670	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18776	SR243671	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18777	SR243672	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18778	SR243673	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18779	SR243674	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18780	SR243675	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	8/25/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18781	SR243676	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	8/25/1968	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
18782	SR243677	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18783	SR243678	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18784	SR243679	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18785	SR243680	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18786	SR243681	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18787	SR243682	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	9/1/1968	1/15/2006	6/30/1995	1/15/2006	12/23/1995			TRUE		TRUE					
18788	SR243683	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	9/1/1968	2/14/2004	6/30/1995	2/14/2004	12/23/1995			TRUE		TRUE					
18789	SR243684	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18790	SR243685	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	9/1/1968	2/14/2006	6/30/1995	2/14/2006	12/23/1995			TRUE		TRUE					
18791	SR243686	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18792	SR243687	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18793	SR243688	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18794	SR243689	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18795	SR243690	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18796	SR243691	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18797	SR243692	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18798	SR243693	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18799	SR243694	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18800	SR243695	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18801	SR243696	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18802	SR243697	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/1/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18803	SR243698	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18804	SR243699	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
18805	SR243700	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18806	SR243701	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	V&P Vent	0	9/2/1968	9/2/1968	6/30/1995	12/3/2006	12/23/1995			TRUE		TRUE					
18807	SR243702	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18808	SR243703	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18809	SR243704	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18810	SR243705	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/2/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18811	SR243706	SSG	EMPLACED_CNTR	1/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	V&P Vent	0	9/2/1968	9/2/1968	6/30/1995	8/18/2006	12/23/1995			TRUE		TRUE					
18812	SR243707	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/16/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18813	SR243708	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/16/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18814	SR243709	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18815	SR243710	SSG	EMPLACED_CNTR	8/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	9/16/1968	2/28/2006	6/30/1995	2/28/2006	12/23/1995			TRUE		TRUE					
18816	SR243711	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/18/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18817	SR243712	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	9/16/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18818	SR243713	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18819	SR243714	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	10/7/1968	8/13/2004	6/30/1995	8/13/2004	12/23/1995			TRUE		TRUE					
18820	SR243715	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18821	SR243716	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	10/7/1968	2/24/2006	6/30/1995	2/24/2006	12/23/1995			TRUE		TRUE					
18822	SR243717	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18823	SR243718	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	10/7/1968	12/3/2006	6/30/1995	12/3/2006	12/23/1995			TRUE		TRUE					
18824	SR243720	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1968		6/30/1995		12/23/1995			TRUE		TRUE					
18825	SR243721	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1958		6/30/1995		12/23/1995			TRUE		TRUE					
18826	SR243722	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440	Remediate	1	10/7/1968	9/21/2005	6/30/1995	9/21/2005	12/23/1995			TRUE		TRUE					
18827	SR243723	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	$5440		0	10/7/1968		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	M	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1482	SR243725	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243726	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243727	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243728	SSG	EMPLACED_CNTR	10/5/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243729	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243730	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243731	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243733	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243734	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243735	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/19/1988	6/22/2004	6/30/1995	6/22/2004	12/23/1995			TRUE		TRUE					
1483	SR243736	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1483	SR243738	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243739	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/19/1988	6/23/2004	6/30/1995	6/23/2004	12/23/1995			TRUE		TRUE					
1484	SR243740	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243741	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243742	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243743	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243744	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/19/1988	2/13/2004	6/30/1995	2/13/2004	12/23/1995			TRUE		TRUE					
1484	SR243745	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243746	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1484	SR243747	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1485	SR244501	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	11/20/2006	6/30/1995	11/20/2006	12/23/1995			TRUE		TRUE					
1485	SR244502	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	11/7/2006	6/30/1995	11/7/2006	12/23/1995			TRUE		TRUE					
1485	SR244503	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	12/2/2005	6/30/1995	12/2/2005	12/23/1995			TRUE		TRUE					
1485	SR244504	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	12/15/2005	6/30/1995	12/15/2005	12/23/1995			TRUE		TRUE					
1485	SR244505	SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	2/26/2004	6/30/1995	2/26/2004	12/23/1995			TRUE		TRUE					
1485	SR244507	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	11/19/1987	3/11/2004	6/30/1995	3/11/2004	12/23/1995			TRUE		TRUE					
1485	SR244514	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/9/1987	6/7/2006	6/30/1995	6/7/2006	12/23/1995			TRUE		TRUE					
1485	SR244515	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/10/1987	3/12/2006	6/30/1995	3/12/2006	12/23/1995			TRUE		TRUE					
1485	SR244521	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/17/1987	11/10/2006	6/30/1995	11/10/2006	12/23/1995			TRUE		TRUE					
1485	SR244522	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/17/1987	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE		TRUE					
1485	SR244523	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/17/1987	3/29/2006	6/30/1995	3/29/2006	12/23/1995			TRUE		TRUE					
1486	SR244524	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/17/1987	10/20/2006	6/30/1995	10/20/2006	12/23/1995			TRUE		TRUE					
1486	SR244525	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	12/17/1987	10/2/2006	6/30/1995	10/2/2006	12/23/1995			TRUE		TRUE					
1486	SR244531	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/11/1988	4/15/2006	6/30/1995	4/15/2006	12/23/1995			TRUE		TRUE					
1486	SR244532	SSG	EMPLACED_CNTR	1/12/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/11/1988	11/17/2006	6/30/1995	11/17/2006	12/23/1995			TRUE		TRUE					
1486	SR244533	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/11/1988	10/23/2006	6/30/1995	10/23/2006	12/23/1995			TRUE		TRUE					
1486	SR244537	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1486	SR244538	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1486	SR244539	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1486	SR244540	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/19/1988	11/10/2006	6/30/1995	11/10/2006	12/23/1995			TRUE		TRUE					
1486	SR244541	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1487	SR244543	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/15/1988	1/14/2006	6/30/1995	1/14/2006	12/23/1995			TRUE		TRUE					
1487	SR244544	SSG	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/15/1988	2/19/2006	6/30/1995	2/19/2006	12/23/1995			TRUE		TRUE					
1487	SR244545	SSG	EMPLACED_CNTR	8/12/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1487	SR244546	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	1/15/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1487	SR244554	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/19/1988	4/20/2004	6/30/1995	4/20/2004	12/23/1995			TRUE		TRUE					
1487	SR244555	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	1/19/1988	4/18/2006	6/30/1995	4/18/2006	12/23/1995			TRUE		TRUE					
1487	SR244590	SSG	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	3/1/1988	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
1487	SR244591	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	3/1/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1487	SR244614	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	3/29/1988	2/23/2004	6/30/1995	2/23/2004	12/23/1995			TRUE		TRUE					
1487	SR244615	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	3/29/1988	5/17/2006	6/30/1995	5/17/2006	12/23/1995			TRUE		TRUE					
1488	SR244624	SSG	EMPLACED_CNTR	6/11/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	4/26/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1488	SR244625	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	4/26/1988	5/24/2006	6/30/1995	5/24/2006	12/23/1995			TRUE		TRUE					
1488	SR247701	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	6/9/1988	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
1488	SR247702	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	6/9/1988	2/14/2004	6/30/1995	2/14/2004	12/23/1995			TRUE		TRUE					
1488	SR244715	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1488	SR244716	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1488	SR244717	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1488	SR244718	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	6/23/1988	8/10/2005	6/30/1995	8/10/2005	12/23/1995			TRUE		TRUE					
1488	SR244719	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1488	SR244720	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244721	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244722	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244723	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244724	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	6/23/1988	12/11/2006	6/30/1995	12/11/2006	12/23/1995			TRUE		TRUE					
1489	SR244725	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244726	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	6/23/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244843	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244844	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244845	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1489	SR244847	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244848	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244849	SSG	EMPLACED_CNTR	1/13/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/13/1988	6/23/2004	6/30/1995	6/23/2004	12/23/1995			TRUE		TRUE					
1490	SR244864	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244865	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244866	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244867	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244868	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244869	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1490	SR244870	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/21/1988	11/27/2006	6/30/1995	11/27/2006	12/23/1995			TRUE		TRUE					
1490	SR244871	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1491	SR244872	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1491	SR244873	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1491	SR244881	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440	Remediate	1	10/25/1988	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE		TRUE					
1491	SR244883	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1491	SR244884	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
1491	SR244885	SSG	EMPLACED_CNTR	8/28/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-221H-NET	55440		0	10/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
18916	SR244886	55G	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18917	SR244887	55G	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	10/25/1988	2/12/2004	6/30/1995	2/12/2004	12/23/1995			TRUE		TRUE					
18918	SR244888	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/25/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18919	SR244889	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/26/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18920	SR244890	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/26/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18921	SR244891	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/26/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18922	SR244892	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18923	SR244893	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18924	SR244894	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18925	SR244896	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18926	SR244897	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18927	SR244898	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/27/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18928	SR244899	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18929	SR244900	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18930	SR244901	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	10/28/1988	1/13/2006	6/30/1995	1/13/2006	12/23/1995			TRUE		TRUE					
18931	SR244902	55G	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	10/28/1988	3/8/2004	6/30/1995	3/8/2004	12/23/1995			TRUE		TRUE					
18932	SR244903	55G	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18933	SR244904	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18934	SR244905	55G	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	10/28/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18935	SR244906	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/2/1988	5/27/2008	6/30/1995	5/27/2008	12/23/1995			TRUE		TRUE					
18936	SR244907	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18937	SR244908	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18938	SR244909	55G	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/2/1988	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
18939	SR244910	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18940	SR244911	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18941	SR244912	55G	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/2/1988	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE		TRUE					
18942	SR244913	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18943	SR244914	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18944	SR244915	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18945	SR244916	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18946	SR244919	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18947	SR244920	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/2/1988	3/26/2006	6/30/1995	3/26/2006	12/23/1995			TRUE		TRUE					
18948	SR244922	55G	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/2/1988	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
18949	SR244923	55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18950	SR244924	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18951	SR244925	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18952	SR244926	55G	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/4/1988	3/6/2006	6/30/1995	3/6/2006	12/23/1995			TRUE		TRUE					
18953	SR244927	55G	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/4/1988	8/12/2004	6/30/1995	8/12/2004	12/23/1995			TRUE		TRUE					
18954	SR244928	55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18955	SR244929	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	11/3/1988	2/14/2004	6/30/1995	2/14/2004	12/23/1995			TRUE		TRUE					
18956	SR244937	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18957	SR244938	55G	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/3/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18958	SR244939	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18959	SR244940	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/4/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18960	SR244968	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18961	SR244969	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18962	SR244970	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18963	SR244971	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18964	SR244972	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18965	SR244977	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	6/13/1989	2/26/2006	6/30/1995	2/26/2006	12/23/1995			TRUE		TRUE					
18966	SR244978	55G	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	6/13/1989	3/8/2004	6/30/1995	3/8/2004	12/23/1995			TRUE		TRUE					
18967	SR244980	55G	EMPLACED_CNTR	6/9/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	6/13/1989	2/27/2004	6/30/1995	2/27/2004	12/23/1995			TRUE		TRUE					
18968	SR244981	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	6/13/1989	3/3/2006	6/30/1995	3/3/2006	12/23/1995			TRUE		TRUE					
18969	SR281607	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	4/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18970	SR281660	55G	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	5/18/1989	11/16/2006	6/30/1995	11/16/2006	12/23/1995			TRUE		TRUE					
18971	SR281661	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18972	SR281662	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18973	SR281663	55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	5/18/1989	12/26/2005	6/30/1995	12/26/2005	12/23/1995			TRUE		TRUE					
18974	SR281664	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18975	SR281665	55G	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18976	SR281672	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18977	SR281673	55G	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	5/25/1989	11/14/2009	6/30/1995	11/14/2009	12/23/1995			TRUE	TRUE	TRUE					
18978	SR281674	55G	EMPLACED_CNTR	4/17/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	5/25/1989	12/11/2005	6/30/1995	12/11/2005	12/23/1995			TRUE		TRUE					
18979	SR281675	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18980	SR281676	55G	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	5/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18981	SR281709	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	6/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18982	SR281710	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	6/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18983	SR281711	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	6/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18984	SR281712	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	6/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18985	SR281743	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	8/17/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18986	SR281745	55G	EMPLACED_CNTR	5/11/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	8/17/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18987	SR281746	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	8/20/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18988	SR281815	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440	Remediate	1	1/26/1989	11/13/2006	6/30/1995	11/13/2006	12/23/1995			TRUE		TRUE					
18989	SR281816	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18990	SR281817	55G	EMPLACED_CNTR	9/7/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18991	SR281818	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	1/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
18992	SR282001	55G	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18993	SR282002	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18994	SR282003	55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18995	SR282004	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18996	SR282007	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18997	SR282008	55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18998	SR282009	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
18999	SR282010	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19000	SR282011	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19001	SR282012	55G	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19002	SR282013	55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19003	SR282014	55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-MET	55440		0	11/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19004	SR282015	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19005	SR282016	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19006	SR282017	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19007	SR282018	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19008	SR282019	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19009	SR282020	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19010	SR282021	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19011	SR282022	SSG	EMPLACED_CNTR	9/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19012	SR282023	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/11/1988	2/14/2006	6/30/1995	2/14/2006	12/23/1995			TRUE		TRUE					
19013	SR282024	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19014	SR282025	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19015	SR282026	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19016	SR282027	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19017	SR282028	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19018	SR282029	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/16/1988	3/6/2004	6/30/1995	3/6/2004	12/23/1995			TRUE		TRUE					
19019	SR282030	SSG	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19020	SR282031	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19021	SR282034	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/16/1988	3/26/2006	6/30/1995	3/26/2006	12/23/1995			TRUE		TRUE					
19022	SR282037	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19023	SR282038	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/16/1988	3/25/2006	6/30/1995	3/25/2006	12/23/1995			TRUE		TRUE					
19024	SR282039	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19025	SR282042	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19026	SR282043	SSG	EMPLACED_CNTR	10/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19027	SR282044	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19028	SR282045	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/21/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19029	SR282047	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19030	SR282048	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19031	SR282049	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19032	SR282050	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19033	SR282051	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19034	SR282053	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19035	SR282054	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19036	SR282055	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/22/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19037	SR282059	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	11/30/1988	2/18/2006	6/30/1995	2/18/2006	12/23/1995			TRUE		TRUE					
19038	SR282061	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	11/30/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19039	SR282064	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19040	SR282065	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19041	SR282066	SSG	EMPLACED_CNTR	9/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19042	SR282067	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19043	SR282068	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19044	SR282069	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19045	SR282070	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/2/1988	3/3/2006	6/30/1995	3/3/2006	12/23/1995			TRUE		TRUE					
19046	SR282071	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/2/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19047	SR282072	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19048	SR282073	SSG	EMPLACED_CNTR	9/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19049	SR282074	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19050	SR282075	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19051	SR282076	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19052	SR282077	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19053	SR282078	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19054	SR282079	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19055	SR282080	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19056	SR282081	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/6/1988	3/25/2006	6/30/1995	3/25/2006	12/23/1995			TRUE		TRUE					
19057	SR282082	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/6/1988	8/12/2004	6/30/1995	8/12/2004	12/23/1995			TRUE		TRUE					
19058	SR282083	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19059	SR282084	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19060	SR282085	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19061	SR282086	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19062	SR282087	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19063	SR282088	SSG	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19064	SR282089	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19065	SR282090	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/6/1988	3/3/2004	6/30/1995	3/3/2004	12/23/1995			TRUE		TRUE					
19066	SR282091	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19067	SR282092	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/6/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19068	SR282093	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/9/1988	7/16/2004	6/30/1995	7/16/2004	12/23/1995			TRUE		TRUE					
19069	SR282094	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19070	SR282095	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19071	SR282096	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19072	SR282097	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19073	SR282098	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19074	SR282099	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/9/1988	2/15/2004	6/30/1995	2/15/2004	12/23/1995			TRUE		TRUE					
19075	SR282100	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19076	SR282101	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19077	SR282102	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/9/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19078	SR282103	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/16/1988	2/27/2006	6/30/1995	2/27/2006	12/23/1995			TRUE		TRUE					
19079	SR282104	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19080	SR282105	SSG	EMPLACED_CNTR	6/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/16/1988	3/6/2004	6/30/1995	3/6/2004	12/23/1995			TRUE		TRUE					
19081	SR282106	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19082	SR282108	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19083	SR282109	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/16/1988	7/13/2004	6/30/1995	7/13/2004	12/23/1995			TRUE		TRUE					
19084	SR282110	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19085	SR282111	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19086	SR282112	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/16/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19087	SR282113	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440	Remediate	1	12/16/1988	2/28/2004	6/30/1995	2/28/2004	12/23/1995			TRUE		TRUE					
19088	SR282114	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19089	SR282115	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19090	SR282116	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					
19091	SR282117	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	55440		0	12/19/1988		6/30/1995		12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19092	SR282118		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/19/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19093	SR282119		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/19/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19094	SR282121		55G	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1988	3/12/2004	6/30/1995	3/12/2004	12/23/1995				TRUE		TRUE				
19095	SR282122		55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/19/1988	12/19/1988	6/30/1995	9/30/2003	12/23/1995				TRUE		TRUE				
19096	SR282123		55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1988	11/21/2005	6/30/1995	11/21/2005	12/23/1995				TRUE		TRUE				
19097	SR282124		55G	EMPLACED_CNTR	2/7/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1988	12/14/2006	6/30/1995	12/14/2006	12/23/1995				TRUE		TRUE				
19098	SR282125		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/19/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19099	SR282126		55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1988	1/29/2006	6/30/1995	1/29/2006	12/23/1995				TRUE		TRUE				
19100	SR282127		55G	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1988	11/15/2006	6/30/1995	11/15/2006	12/23/1995				TRUE		TRUE				
19101	SR282129		55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/21/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19102	SR282131		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/21/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19103	SR282132		55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/21/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19104	SR282133		55G	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/21/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19105	SR282134		55G	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/21/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19106	SR282135		55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/29/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19107	SR282136		55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/29/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19108	SR282137		55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/29/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19109	SR282138		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/29/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19110	SR282139		55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/29/1988	11/13/2006	6/30/1995	11/13/2006	12/23/1995				TRUE		TRUE				
19111	SR282140		55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/29/1988	3/3/2004	6/30/1995	3/3/2004	12/23/1995				TRUE		TRUE				
19112	SR282141		55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	12/29/1988		6/30/1995		12/23/1995				TRUE		TRUE				
19113	SR282142		55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/29/1988	2/27/2006	6/30/1995	2/27/2006	12/23/1995				TRUE		TRUE				
19114	SR282143		55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/4/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19115	SR282144		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/4/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19116	SR282145		55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/4/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19117	SR282146		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/4/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19118	SR282147		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/4/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19119	SR282148		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19120	SR282149		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19121	SR282150		55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19122	SR282151		55G	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/18/1989	3/25/2006	6/30/1995	3/25/2006	12/23/1995				TRUE		TRUE				
19123	SR282152		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19124	SR282153		55G	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/18/1989	2/24/2006	6/30/1995	2/24/2006	12/23/1995				TRUE		TRUE				
19125	SR282154		55G	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19126	SR282155		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19127	SR282156		55G	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/18/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19128	SR282157		55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19129	SR282158		55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/19/1989	3/8/2006	6/30/1995	3/8/2006	12/23/1995				TRUE		TRUE				
19130	SR282159		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19131	SR282160		55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/19/1989	3/24/2006	6/30/1995	3/24/2006	12/23/1995				TRUE		TRUE				
19132	SR282161		55G	EMPLACED_CNTR	10/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19133	SR282162		55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19134	SR282163		55G	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19135	SR282164		55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19136	SR282165		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19137	SR282166		55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19138	SR282167		55G	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/19/1989	8/13/2004	6/30/1995	8/13/2004	12/23/1995				TRUE		TRUE				
19139	SR282168		55G	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19140	SR282169		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	1/19/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19141	SR282170		55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/9/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19142	SR282171		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/6/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19143	SR282172		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/6/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19144	SR282173		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19145	SR282174		55G	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19146	SR282175		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19147	SR282176		55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19148	SR282177		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19149	SR282178		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19150	SR282179		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/3/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19151	SR282180		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19152	SR282181		55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19153	SR282182		55G	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/7/1989	10/23/2007	6/30/1995	10/23/2007	12/23/1995				TRUE		TRUE				
19154	SR282182A		55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/15/2006		11/15/2006						TRUE		TRUE				
19155	SR282182B		55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440				10/23/2007		10/23/2007					TRUE		TRUE				
19156	SR282183		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19157	SR282184		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19158	SR282185		55G	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/7/1989	2/22/2006	6/30/1995	2/22/2006	12/23/1995				TRUE		TRUE				
19159	SR282186		55G	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19160	SR282187		55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19161	SR282188		55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19162	SR282189		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19163	SR282190		55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/7/1989	12/31/2005	6/30/1995	12/31/2005	12/23/1995				TRUE		TRUE				
19164	SR282191		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19165	SR282192		55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19166	SR282193		55G	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19167	SR282194		55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19168	SR282195		55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19169	SR282196		55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19170	SR282197		55G	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19171	SR282198		55G	EMPLACED_CNTR	5/9/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19172	SR282199		55G	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/7/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19173	SR282200		55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19174	SR282201		55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19175	SR282202		55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19176	SR282203		55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19177	SR282204		55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19178	SR282205		55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				
19179	SR282206		55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-HET	55440		0	2/10/1989		6/30/1995		12/23/1995				TRUE		TRUE				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19180	SR282208	SSG	EMPLACED_CNTR	10/15/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19181	SR282209	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19182	SR282210	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19183	SR282211	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19184	SR282212	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19185	SR282213	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19186	SR282214	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19187	SR282215	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19188	SR282216	SSG	EMPLACED_CNTR	10/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19189	SR282217	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19190	SR282218	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19191	SR282219	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19192	SR282220	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19193	SR282221	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19194	SR282222	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19195	SR282223	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19196	SR282224	SSG	EMPLACED_CNTR	4/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19197	SR282225	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19198	SR282227	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/28/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19199	SR282228	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19200	SR282229	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19201	SR282230	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19202	SR282231	SSG	EMPLACED_CNTR	11/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19203	SR282232	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19204	SR282233	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19205	SR282234	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19206	SR282235	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19207	SR282236	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19208	SR282237	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19209	SR282238	SSG	EMPLACED_CNTR	8/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19210	SR282239	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19211	SR282240	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19212	SR282241	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19213	SR282242	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19214	SR282243	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19215	SR282244	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19216	SR282745	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/1/1989	1/30/2006	6/30/1995	1/30/2006	12/23/1995			TRUE		TRUE					
19217	SR282246	SSG	EMPLACED_CNTR	9/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19218	SR282247	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19219	SR282248	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19220	SR282249	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19221	SR282250	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19222	SR282251	SSG	EMPLACED_CNTR	9/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/8/1989	8/13/2004	6/30/1995	8/13/2004	12/23/1995			TRUE		TRUE					
19223	SR282252	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19224	SR282253	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19225	SR282254	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/8/1989	2/21/2006	6/30/1995	2/21/2006	12/23/1995			TRUE		TRUE					
19226	SR282255	SSG	EMPLACED_CNTR	10/15/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19227	SR282257	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19228	SR282258	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/8/1989	11/21/2005	6/30/1995	11/21/2005	12/23/1995			TRUE		TRUE					
19229	SR282259	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19230	SR282261	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19231	SR282262	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19232	SR282263	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19233	SR282264	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19234	SR282265	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/4/1989	10/3/2006	6/30/1995	10/3/2006	12/23/1995			TRUE		TRUE					
19235	SR282266	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/4/1989		6/30/1995		12/23/1995			TRUE	TRUE	TRUE					
19236	SR282268	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19237	SR282269	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19238	SR282270	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19239	SR282271	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19240	SR282272	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1989	3/6/2004	6/30/1995	3/6/2004	12/23/1995			TRUE		TRUE					
19241	SR282273	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19242	SR282274	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19243	SR282275	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19244	SR282276	SSG	EMPLACED_CNTR	10/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19245	SR282278	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19246	SR282280	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1989	8/10/2005	6/30/1995	8/10/2005	12/23/1995			TRUE		TRUE					
19247	SR282281	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1989	3/4/2006	6/30/1995	3/8/2006	12/23/1995			TRUE		TRUE					
19248	SR282282	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19249	SR282288	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
19250	SR282291	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/4/1989		6/30/1995		12/23/1995										
19251	SR4110	SSG	EMPLACED_CNTR	1/17/2013 13:45	7/24/2012 17:24	mccabed	SR-W027-221H-HET	S5440		0	12/1/1988	7/30/2008		7/30/2008		The original drum tag was lost and the container was assigned SR4110; however, it has been determined that the original container number was SR282062. (MDoherty 072412)		TRUE	TRUE	TRUE					
19252	SR500017V	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/20/1974	10/31/2007		10/31/2007				TRUE		TRUE					
19253	SR500017VA	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/31/2007		10/31/2007		4/24/2008			TRUE		TRUE					
19254	SR500017W	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/20/1974	11/1/2007		11/1/2007				TRUE		TRUE					
19255	SR500017WA	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/1/2007		11/1/2007		4/25/2008			TRUE		TRUE					
19256	SR500017X	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/20/1974	11/9/2007		11/9/2007				TRUE		TRUE					
19257	SR500017Y	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/20/1974	11/14/2007		11/14/2007				TRUE		TRUE					
19258	SR500017Z	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/20/1974	2/20/2008		2/20/2008				TRUE		TRUE					
19259	SR500017ZA	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/20/2008		2/20/2008		8/14/2008			TRUE		TRUE					
19260	SR500019W	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/7/1974	4/14/2008		4/24/2008				TRUE		TRUE					
19261	SR500019X	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/7/1974	6/3/2008		6/3/2008				TRUE		TRUE					
19262	SR500019Y	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/7/1974	4/18/2008		4/18/2008				TRUE		TRUE					
19263	SR500019Z	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/7/1974	4/17/2008		4/17/2008				TRUE		TRUE					
19264	SR500022J	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/11/1974	9/4/2008		9/4/2008				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19265	SR500022A	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440		0	3/6/2008		3/6/2008		8/29/2008			TRUE		TRUE					
19266	SR500023	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/16/2007		5/16/2007				TRUE		TRUE					
19267	SR500024	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/18/2007		5/18/2007				TRUE		TRUE					
19268	SR500025	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	6/7/2007		6/7/2007				TRUE		TRUE					
19269	SR500026	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/16/2007		5/16/2007				TRUE		TRUE					
19270	SR500027	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	7/10/2007		7/10/2007				TRUE		TRUE					
19271	SR500272	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	11/14/2004		11/14/2004				TRUE		TRUE					
19272	SR500274	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/18/2008		3/18/2008				TRUE		TRUE					
19273	SR500276	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/11/2008		3/11/2008				TRUE		TRUE					
19274	SR500277	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	4/30/2008		4/30/2008				TRUE		TRUE					
19275	SR500278	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	1/18/2007		1/18/2007				TRUE		TRUE					
19276	SR500279	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	10/30/2004	12/31/1999	10/30/2004	6/24/2000			TRUE		TRUE					
19277	SR500280	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	3/15/2007		3/15/2007				TRUE		TRUE					
19278	SR500281	SSG	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	4/9/2007		4/9/2007				TRUE		TRUE					
19279	SR500283	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	4/10/2007		4/10/2007				TRUE		TRUE					
19280	SR500288	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	3/22/2007		3/22/2007				TRUE		TRUE					
19281	SR500288A	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	3/22/2007		3/22/2007					TRUE		TRUE					
19282	SR500289	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/12/2008		3/12/2008				TRUE		TRUE					
19283	SR500290	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/17/2008		3/17/2008				TRUE		TRUE					
19284	SR500291	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	0	8/7/1974	2/17/2010		2/17/2010				TRUE		TRUE					
19285	SR500291A	SSG	EMPLACED_CNTR	2/23/2011 21:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-22JH-HET	S5440		0	2/17/2010		2/17/2010		8/12/2010			TRUE		TRUE					
19286	SR500292	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/20/2008		3/20/2008				TRUE		TRUE					
19287	SR500293	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	4/15/2008		4/15/2008				TRUE		TRUE					
19288	SR500294	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/12/2008		3/12/2008				TRUE		TRUE					
19289	SR500295	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/21/2008		3/21/2008				TRUE		TRUE					
19290	SR500296	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	6/24/2008		6/24/2008				TRUE		TRUE					
19291	SR500297	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/20/2008		3/20/2008				TRUE		TRUE					
19292	SR500298	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/7/1974	3/12/2008		3/12/2008				TRUE		TRUE					
19293	SR500301	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/21/2007		5/21/2007				TRUE		TRUE					
19294	SR500302	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/18/2007		5/18/2007				TRUE		TRUE					
19295	SR500304	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	5/18/2007		5/18/2007				TRUE		TRUE					
19296	SR500306	SSG	EMPLACED_CNTR	9/9/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	12/21/2007		12/21/2007				TRUE		TRUE					
19297	SR500308	SSG	EMPLACED_CNTR	11/9/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	6/5/2007		6/5/2007				TRUE		TRUE					
19298	SR500309	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/11/1974	3/10/2008		3/10/2008				TRUE		TRUE					
19299	SR500313	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	7/23/1974	5/16/2008		5/16/2008				TRUE		TRUE					
19300	SR500315	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	0	7/23/1974	1/30/2010		1/30/2010				TRUE		TRUE					
19301	SR500317	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	2/27/1975	2/27/1975		3/29/2007				TRUE		TRUE					
19302	SR500318	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	2/27/1975	8/3/2007		8/3/2007				TRUE		TRUE					
19303	SR500318A	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440		0	8/3/2007		8/3/2007		1/26/2008			TRUE		TRUE					
19304	SR500320	SSG	EMPLACED_CNTR	9/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	10/11/1974	1/4/2008		1/4/2008				TRUE		TRUE					
19305	SR500320A	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1		11/14/2006		11/14/2006				TRUE		TRUE					
19306	SR500320B	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440			1/4/2008		1/4/2008					TRUE		TRUE					
19307	SR500321	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	10/11/1974	5/14/2007		5/14/2007				TRUE		TRUE					
19308	SR500322	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440		0	10/11/1974		12/31/1999		6/24/2000			TRUE		TRUE					
19309	SR500323	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	10/23/1974	12/18/2007		12/18/2007				TRUE		TRUE					
19310	SR500323A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440		0	12/18/2007		12/18/2007		6/11/2008			TRUE		TRUE					
19311	SR500327	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	8/4/2004		8/4/2004				TRUE		TRUE					
19312	SR500329	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	11/14/2004		11/14/2004				TRUE		TRUE					
19313	SR500335	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	6/21/2004	2/1/2000	6/21/2004	7/26/2000			TRUE		TRUE					
19314	SR500336	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	6/21/2004	12/31/1999	6/21/2004	6/24/2000			TRUE		TRUE					
19315	SR500337	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	4/15/2004	12/31/1999	4/15/2004	6/24/2000			TRUE		TRUE					
19316	SR500338	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	6/21/2004	1/27/2000	6/21/2004	7/21/2000			TRUE		TRUE					
19317	SR500339	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Purge	0	8/23/1974	8/23/1974	1/24/2000	12/18/2003	7/18/2000			TRUE		TRUE					
19318	SR500340	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	8/23/1974	8/23/1974	2/1/2000	12/30/2003	7/26/2000			TRUE		TRUE					
19319	SR500341	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	4/14/2004	12/31/1999	4/14/2004	6/24/2000			TRUE		TRUE					
19320	SR500342	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	8/23/1974	8/23/1974		5/31/2004				TRUE		TRUE					
19321	SR500343	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	8/23/1974	8/23/1974	1/27/2000	12/4/2003	7/21/2000			TRUE		TRUE					
19322	SR500344	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	5/20/2004		5/20/2004				TRUE		TRUE					
19323	SR500345	SSG	EMPLACED_CNTR	7/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	4/15/2004	12/31/1999	4/15/2004	6/24/2000			TRUE		TRUE					
19324	SR500346	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	8/23/1974	11/14/2004		11/14/2004				TRUE		TRUE					
19325	SR500349001	SWB	APPROVED_CERT		11/23/2011 9:41	mccabed	SR-WG27-22JH-HET	S5440		0	4/9/2011	11/15/2011	4/9/2011	11/15/2011			- Rplgd was SR500349	TRUE	TRUE	TRUE			SR500349		Repack
19326	SR500351-S01	SWB	EMPLACED_CNTR	10/19/2011 14:40	4/28/2011 6:00	mccabed	SR-WG27-22JH-HET	S5440			8/28/1974	4/1/2011	12/31/1999	4/1/2011			Rplgd Was SR500351	TRUE	TRUE	TRUE			SR500351		Repack
19327	SR500353	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	3/25/2006	12/31/1999	3/25/2006	6/24/2000			TRUE		TRUE					
19328	SR500353A	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1		11/16/2006		11/16/2006				TRUE		TRUE					
19329	SR500354	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	6/21/2004	1/20/2000	6/21/2004	7/14/2000			TRUE		TRUE					
19330	SR500355	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	11/25/2006	12/31/1999	11/25/2006	6/24/2000			TRUE		TRUE					
19331	SR500356	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Purge	0	9/9/1974	9/9/1974	1/18/2000	12/4/2003	7/12/2000			TRUE		TRUE					
19332	SR500357	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	10/31/2004	12/31/1999	10/31/2004	6/24/2000			TRUE		TRUE					
19333	SR500358	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	5/4/2006	12/31/1999	5/4/2006	6/24/2000			TRUE		TRUE					
19334	SR500359	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	9/9/1974	9/9/1974	1/26/2000	1/4/2004	7/20/2000			TRUE		TRUE					
19335	SR500360	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	9/9/1974	9/9/1974	1/18/2000	1/15/2004	7/12/2000			TRUE		TRUE					
19336	SR500361	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	11/30/2004	2/1/2000	11/30/2004	7/26/2000			TRUE		TRUE					
19337	SR500361A	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1		11/30/2004		11/30/2004				TRUE		TRUE					
19338	SR500362	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	9/9/1974	4/19/2004	12/31/1999	4/19/2004	6/24/2000			TRUE		TRUE					
19339	SR500363001	SWB	EMPLACED_CNTR	10/17/2011 23:27	5/2/2011 14:14	mccabed	SR-WG27-22JH-HET	S5440		0	4/7/2011		4/7/2011				- Rplgd was SR500363	TRUE	TRUE	TRUE			SR500363		Repack
19340	SR500364001	SWB	EMPLACED_CNTR	10/16/2011 14:40	5/2/2011 14:15	mccabed	SR-WG27-22JH-HET	S5440		0	4/6/2011		4/6/2011				- Rplgd was SR500364	TRUE	TRUE	TRUE			SR500364		Repack
19341	SR500365	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	10/23/1974	6/27/2006	12/31/1999	6/27/2006	6/24/2000			TRUE		TRUE					
19342	SR500365A	SSG	EMPLACED_CNTR	1/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1		6/27/2006		6/27/2006				TRUE		TRUE					
19343	SR500369	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	1/16/1975	3/19/2006		3/19/2006				TRUE		TRUE					
19344	SR500370	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	1/16/1975	12/24/2007		12/24/2007				TRUE		TRUE					
19345	SR500372	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Purge	0	1/16/1975	1/16/1975		2/28/2005				TRUE		TRUE					
19346	SR500374	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	1/16/1975	1/22/2008		1/22/2008				TRUE		TRUE					
19347	SR500374A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440		0	1/22/2008		1/22/2008		7/16/2008			TRUE		TRUE					
19348	SR500375	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Purge	0	1/16/1975	1/16/1975		1/13/2008				TRUE		TRUE					
19349	SR500377	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	1	1/16/1975	1/17/2008		1/17/2008				TRUE		TRUE					
19350	SR500377A	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440		0	1/17/2008		1/17/2008		7/11/2008			TRUE		TRUE					
19351	SR500379	SSG	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	Remediate	0	1/23/1975	1/30/2010		1/30/2010				TRUE		TRUE					
19352	SR500380	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-22JH-HET	S5440	V&P Vent	0	1/23/1975	1/23/1975		5/28/2008				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19357	SR500381	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	1/24/1975	2/12/2004	12/31/1999	2/12/2004	6/24/2000			TRUE		TRUE					
19358	SR500386	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	6/20/2004	1/26/2000	6/20/2004	7/20/2000			TRUE		TRUE					
19359	SR500387	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	11/15/1974	11/15/1974	1/26/2000	12/18/2003	7/20/2000			TRUE		TRUE					
19356	SR500388	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	6/20/2004	12/31/1999	6/20/2004	6/24/2000			TRUE		TRUE					
19357	SR500389	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	4/1/2004	4/21/1999	4/1/2004	10/14/1999			TRUE		TRUE					
19358	SR500389A	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1		4/1/2004		4/1/2004				TRUE		TRUE					
19359	SR500390	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	4/7/2006	4/15/1999	4/7/2006	10/8/1999			TRUE		TRUE					
19360	SR500392	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	4/1/2004	12/31/1999	4/1/2004	6/24/2000			TRUE		TRUE					
19361	SR500393	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/15/1974	4/1/2004	4/1/2004	6/24/2000			Parent is SR500393 which is already EMPLACED.								
19362	SR500393A	SSG			5/22/2012 16:00	mccabed	SR-WD27-221M-HET	SS440			4/1/2004		4/1/2004				Added per LWatson email 052112	TRUE	FALSE	TRUE	NA				
19363	SR500395	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Lid Removal	0	11/15/1974	8/13/2003	5/13/1999	8/13/2003	11/5/1999			TRUE		TRUE					
19364	SR500903	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	8/4/1976	5/12/2008		5/12/2008				TRUE		TRUE					
19365	SR500903A	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	5/12/2008		5/12/2008		11/4/2008			TRUE		TRUE					
19366	SR500905	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976	4/24/2008		4/24/2008				TRUE		TRUE					
19367	SR500909	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976	4/15/2008		4/15/2008				TRUE		TRUE					
19368	SR500910	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976	4/15/2008		4/15/2008				TRUE		TRUE					
19369	SR500911	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976	6/27/2008		6/27/2008				TRUE		TRUE					
19370	SR500913A	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	6/27/2008		6/27/2008		12/20/2008			TRUE		TRUE					
19371	SR500923	SSG	EMPLACED_CNTR	11/4/2012 13:30	11/1/2011 13:49	mccabed	SR-WD27-221M-HET	SS440			12/1/1977	5/27/2008		5/27/2008				TRUE	TRUE	TRUE	NA				
19372	SR500924	SSG	EMPLACED_CNTR	1/13/2012 14:35	11/1/2011 13:51	mccabed	SR-WD27-221M-HET	SS440			12/1/1977			11/30/2006				TRUE	TRUE	TRUE	NA				
19373	SR500927	SSG	EMPLACED_CNTR	12/19/2012 12:50	11/1/2011 13:53	mccabed	SR-WD27-221M-HET	SS440			12/1/1977	5/6/2008		5/6/2008				TRUE	TRUE	TRUE	NA				
19374	SR500960	SSG	EMPLACED_CNTR	7/6/2012 9:49	11/1/2011 13:54	mccabed	SR-WD27-221M-HET	SS440			7/29/1976			6/2/2009				TRUE	TRUE	TRUE	NA				
19375	SR500961	SSG	APPROVED_CERT		11/1/2011 13:55	mccabed	SR-WD27-221M-HET	SS440			7/29/1976	10/31/2004		10/31/2004				TRUE	TRUE	TRUE	NA				
19376	SR500968	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976	2/20/2007	11/9/1999	2/20/2007	5/3/2000			TRUE		TRUE					
19377	SR500968A	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/18/1976		2/19/2007					TRUE		TRUE					
19378	SR500977	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	4/1/1976	4/1/1976		2/6/2007				TRUE		TRUE					
19379	SR500980	SSG	EMPLACED_CNTR	1/25/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	4/1/1976	8/5/2008		8/5/2008				TRUE		TRUE					
19380	SR500980A	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	8/5/2008		8/5/2008		1/28/2009			TRUE		TRUE					
19381	SR500996	SSG	APPROVED_CERT		11/1/2011 13:58	mccabed	SR-WD27-221M-HET	SS440			5/8/1975	10/30/2004		10/30/2004				TRUE	TRUE	TRUE	NA				
19382	SR500997	SSG	APPROVED_CERT		11/1/2011 13:59	mccabed	SR-WD27-221M-HET	SS440			5/8/1975	10/30/2004		10/30/2004				TRUE	TRUE	TRUE	NA				
19383	SR500998	SSG	EMPLACED_CNTR	1/8/2012 14:23	11/1/2011 14:00	mccabed	SR-WD27-221M-HET	SS440			5/8/1975	2/8/2007		2/8/2007				TRUE	TRUE	TRUE	NA				
19384	SR500999	SSG	EMPLACED_CNTR	1/11/2012 14:24	11/1/2011 14:02	mccabed	SR-WD27-221M-HET	SS440			5/8/1975			6/2/2009				TRUE	TRUE	TRUE	NA				
19385	SR501000W	SSG	EMPLACED_CNTR	2/17/2012 15:57	11/1/2011 14:04	mccabed	SR-WD27-221M-HET	SS440			5/8/1975	12/23/2006		12/23/2006				TRUE	TRUE	TRUE	NA				
19386	SR502052	SSG	EMPLACED_CNTR	1/21/2010 13:39	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	3/6/1975	3/6/1975		6/4/2008				TRUE		TRUE					
19387	SR502054	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/6/1975	11/30/2007		11/30/2007				TRUE	TRUE	TRUE					
19388	SR502054A	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	11/30/2007		11/30/2007		5/24/2008	NoVent		TRUE		TRUE					
19389	SR502055	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/27/1975	5/21/2007		5/21/2007				TRUE		TRUE					
19390	SR502055A	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	5/21/2007		5/21/2007		11/13/2007			TRUE		TRUE					
19391	SR502056A01	SWB	EMPLACED_CNTR	10/4/2011 14:57	4/28/2011 6:00	mccabed	SR-WD27-221M-HET	SS440			3/27/1975	4/2/2011	12/31/1999	4/2/2011			Rpkgd Was SR502056	TRUE	TRUE	TRUE		SR502056			Repack
19392	SR502057	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	4/24/1975	1/16/2008		1/16/2008				TRUE		TRUE					
19393	SR502057A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	1/16/2008		1/16/2008		7/10/2008			TRUE		TRUE					
19394	SR502059	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	4/24/1975	4/24/1975		11/10/2007				TRUE		TRUE					
19395	SR502060	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	4/24/1975	4/24/1975		3/23/2006				TRUE		TRUE					
19396	SR502061	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Purge	0	6/12/1975	6/12/1975	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
19397	SR502062	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	5/1/1975	5/1/2008		5/1/2008				TRUE		TRUE					
19398	SR502062A	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	5/1/2008		5/1/2008		10/24/2008			TRUE		TRUE					
19399	SR502065	SSG	EMPLACED_CNTR	10/25/2011 21:49	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	0	5/15/1975	4/1/2010		4/1/2010	6/24/2000			TRUE		TRUE					
19400	SR502067	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	5/15/1975	2/4/2008		2/4/2008				TRUE		TRUE					
19401	SR502067A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	2/4/2008		2/4/2008		7/29/2008			TRUE		TRUE					
19402	SR502068	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	5/15/1975	5/15/1975		4/10/2007				TRUE		TRUE					
19403	SR502069	SSG	EMPLACED_CNTR	5/16/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	5/15/1975	3/31/2008		3/31/2008				TRUE		TRUE					
19404	SR502069A	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	3/31/2008		3/31/2008		9/23/2008			TRUE		TRUE					
19405	SR502070	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	5/22/1975	10/11/2007		10/11/2007				TRUE		TRUE					
19406	SR502070A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	10/11/2007		10/11/2007		4/4/2008			TRUE		TRUE					
19407	SR502071	SSG	EMPLACED_CNTR	1/4/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	5/22/1975	6/26/2007		6/26/2007				TRUE		TRUE					
19408	SR502072	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	6/12/1975	4/15/2008		4/15/2008				TRUE		TRUE					
19409	SR502072A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	4/15/2008		4/15/2008		10/8/2008			TRUE		TRUE					
19410	SR502073	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	6/12/1975	2/21/2008		2/21/2008				TRUE		TRUE					
19411	SR502074	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	6/12/1975	6/12/1975	12/31/1999	10/2/2003	6/24/2000			TRUE		TRUE					
19412	SR502076	SSG	EMPLACED_CNTR	5/24/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Lid Removal	0	7/17/1975	7/17/1975	4/15/1999	7/13/2004	10/8/1999			TRUE		TRUE					
19413	SR502077	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	7/17/1975	7/17/1975	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
19414	SR502079	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	7/17/1975	7/17/1975	12/31/1999	10/4/2006	6/24/2000			TRUE		TRUE					
19415	SR502080	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	7/17/1975	7/17/1975	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
19416	SR502081	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	7/17/1975	11/6/2006	12/31/1999	11/6/2006	6/24/2000			TRUE		TRUE					
19417	SR502082	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	7/17/1975	7/17/1975	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
19418	SR502083	SSG	EMPLACED_CNTR	4/18/2010 13:42	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	7/31/1975	7/31/1975		12/4/2007				TRUE		TRUE					
19419	SR502084	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	8/7/1975	9/24/2007		9/24/2007				TRUE		TRUE					
19420	SR502085	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	8/7/1975	2/28/2008		2/28/2008				TRUE		TRUE					
19421	SR502086	SSG	EMPLACED_CNTR	1/21/2010 18:36	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	8/7/1975	8/7/1975		3/27/2007				TRUE		TRUE					
19422	SR502087	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	3/4/1976	3/14/2006	2/22/1999	3/14/2006	8/17/1999			TRUE		TRUE					
19423	SR502087A	SSG	EMPLACED_CNTR	7/15/2012 13:24	8/20/2012 9:11	mccabed	SR-WD27-221M-HET	SS440			3/14/2006	3/8/2012	3/14/2006	3/8/2012			SWD061100 (corrected per LWatson email 081612) re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006	TRUE	FALSE	TRUE					
19424	SR502087B	SSG	EMPLACED_CNTR	5/30/2012 9:05	3/15/2012 20:52	mccabed	SR-WD27-221M-HET	SS440			3/14/2006	3/12/2012	3/14/2006	3/12/2012			SWD061094 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006	TRUE	FALSE	TRUE					
19425	SR502087C	SSG	EMPLACED_CNTR	11/4/2012 12:43	8/20/2012 9:12	mccabed	SR-WD27-221M-HET	SS440	Remediation		3/14/2006	3/13/2012	3/14/2006	3/13/2012			SWD061101 (corrected per LWatson email 081612) re-named and WS reassigned from SR-SWMF-HET-A	TRUE	FALSE	TRUE					
19426	SR502088	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/13/1975	3/31/2006	12/31/1999	3/31/2006	6/24/2000		SWD061138 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006	TRUE	FALSE	TRUE					
19427	SR502088A	SSG	EMPLACED_CNTR	5/11/2012 10:10	3/15/2012 20:53	mccabed	SR-WD27-221M-HET	SS440			3/31/2006	3/8/2012	3/31/2006	3/8/2012				TRUE	FALSE	TRUE					
19428	SR502089	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/13/1975	5/21/2008	12/31/1999	3/23/2006	6/24/2000			TRUE		TRUE					
19429	SR502089A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	5/21/2008		5/21/2008		11/13/2008			TRUE		TRUE					
19430	SR502091	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	11/13/1975	11/13/1975		3/23/2007				TRUE		TRUE					
19431	SR502092	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/13/1975	2/21/2008		2/21/2008				TRUE		TRUE					
19432	SR502092A	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440		0	2/21/2008		2/21/2008		8/15/2008			TRUE		TRUE					
19433	SR502098	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221M-HET	SS440	V&P Vent	0	11/13/1975	11/13/1975		3/24/2007				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19434	SRS02501	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	VE Technique for audit	1	12/16/1976	9/19/2005	12/31/1999	9/19/2005	6/24/2000			TRUE		TRUE					
19435	SRS02502	SSG	EMPLACED_CNTR	3/27/2011 12:27	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	3/31/1977	3/31/1977		5/5/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
19436	SRS02504	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	4/7/1977	12/3/2007		12/3/2007				TRUE		TRUE					
19437	SRS02504A	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	12/3/2007		12/3/2007		5/27/2008			TRUE		TRUE					
19438	SRS02507	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	4/12/1977		6/3/1999		11/16/1999			TRUE		TRUE					
19439	SRS02508	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	5/26/1977	8/30/2007		8/30/2007				TRUE		TRUE					
19440	SRS02509	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	4/28/1977	7/29/2008		7/29/2008				TRUE		TRUE					
19441	SRS02509A	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	7/29/2008		7/29/2008		1/21/2009			TRUE		TRUE					
19442	SRS02512	SSG	EMPLACED_CNTR	10/27/2010 19:11	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	4/28/1977	7/24/2008		7/24/2008				TRUE		TRUE					
19443	SRS02514	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	4/28/1977	4/28/1977		6/5/2006				TRUE		TRUE					
19444	SRS02515	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	5/10/1977	6/6/2006		6/6/2006				TRUE		TRUE					
19445	SRS02516	SSG	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	5/26/1977	5/26/1977		10/31/2007				TRUE		TRUE					
19446	SRS02518	SSG	EMPLACED_CNTR	2/25/2012 12:56	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Purge	0	5/31/1977	5/31/1977		3/20/2008		NoVent		TRUE	TRUE	TRUE					
19447	SRS02520	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/9/1977	5/4/2007		5/4/2007				TRUE		TRUE					
19448	SRS02520A	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	5/4/2007		5/4/2007		10/27/2007			TRUE		TRUE					
19449	SRS02523	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/9/1977	8/6/2008		8/6/2008				TRUE		TRUE					
19450	SRS02523A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	2/22/2008		2/22/2008		8/16/2008			TRUE		TRUE					
19451	SRS02525	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/16/1977	11/14/2004	12/31/1999	11/14/2004	6/24/2000			TRUE		TRUE					
19452	SRS02527	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/16/1977	4/19/2007		4/19/2007				TRUE		TRUE					
19453	SRS02529	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	6/28/1977	6/28/1977		2/4/2007				TRUE		TRUE					
19454	SRS02534	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	5/3/1977	11/12/2006		11/12/2006				TRUE		TRUE					
19455	SRS02538	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	4/19/1977	8/29/2007		8/29/2007				TRUE		TRUE					
19456	SRS02541	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	7/12/1977	7/12/1977		12/11/2007				TRUE		TRUE					
19457	SRS02543	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	7/11/1977	4/13/2007		4/13/2007				TRUE		TRUE					
19458	SRS02545	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	7/11/1977	7/11/1977		2/14/2007				TRUE		TRUE					
19459	SRS02547	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	7/11/1977	7/11/1977		2/14/2007				TRUE		TRUE					
19460	SRS02549	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	7/11/1977	7/11/1977		2/9/2007				TRUE		TRUE					
19461	SRS02551	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	7/26/1977	11/14/2007		11/14/2007				TRUE		TRUE					
19462	SRS02551A	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	11/14/2007		11/14/2007		5/8/2008			TRUE		TRUE					
19463	SRS02552	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	8/4/1977	7/1/2008		7/1/2008				TRUE		TRUE					
19464	SRS02553	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	8/9/1977	1/24/2008		1/24/2008				TRUE		TRUE					
19465	SRS02553A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	1/24/2008		1/24/2008		7/18/2008			TRUE		TRUE					
19466	SRS02555	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	1/20/1977	1/20/1977		2/17/2007				TRUE		TRUE					
19467	SRS02558	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	1/20/1977	12/22/2007		12/22/2007				TRUE		TRUE					
19468	SRS02581	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	1/20/1977	5/16/2007		5/16/2007				TRUE		TRUE					
19469	SRS02582	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	1/20/1977	5/9/2007		5/9/2007				TRUE		TRUE					
19470	SRS02582A	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	5/9/2007		5/9/2007		11/1/2007			TRUE		TRUE					
19471	SRS02585	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	1/20/1977	1/20/1977		3/3/2007				TRUE		TRUE					
19472	SRS02586	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	1/20/1977	1/20/1977		4/5/2007				TRUE		TRUE					
19473	SRS02568	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Purge	0	2/3/1977	2/3/1977	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
19474	SRS01549	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	2/3/1977		12/31/1999		6/24/2000			TRUE		TRUE					
19475	SRS02571	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	2/3/1977	2/3/1977		2/17/2007				TRUE		TRUE					
19476	SRS02573	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	2/8/1977	3/11/2008		3/11/2008				TRUE		TRUE					
19477	SRS02575	SSG	EMPLACED_CNTR	6/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	2/8/1977	1/28/2008		1/28/2008				TRUE		TRUE					
19478	SRS02575A	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	1/28/2008		1/28/2008		7/22/2008			TRUE		TRUE					
19479	SRS02578	SSG	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	0	2/15/1977	3/25/2010		3/25/2010				TRUE		TRUE					
19480	SRS02578A	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-221H-HET	55440		0	3/25/2010		3/25/2010		9/17/2010			TRUE	TRUE	TRUE					
19481	SRS02580	SSG	EMPLACED_CNTR	3/3/2011 22:40	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	2/15/1977	2/29/2008		2/29/2008				TRUE		TRUE					
19482	SRS02580A	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	2/29/2008		2/29/2008		8/13/2008			TRUE		TRUE					
19483	SRS02584	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	2/24/1977	4/21/2004	12/31/1999	4/21/2004	6/24/2000			TRUE		TRUE					
19484	SRS02588	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	2/24/1977	2/24/1977		1/16/2008				TRUE		TRUE					
19485	SRS02591	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	2/24/1977	3/13/2004	6/9/1999	3/13/2004	12/2/1998			TRUE		TRUE					
19486	SRS02592	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	3/3/1977	3/7/2004	6/1/1999	3/7/2004	11/24/1999			TRUE		TRUE					
19487	SRS02593	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	6/28/1977	6/28/1977	12/31/1999	10/6/2003	6/24/2000			TRUE		TRUE					
19488	SRS02594	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	5/12/1977	1/16/2008		1/16/2008				TRUE		TRUE					
19489	SRS02598	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	6/28/1977		6/15/1999		12/8/1999			TRUE		TRUE					
19490	SRS02599	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	V&P Vent	0	6/28/1977	6/28/1977		2/9/2007				TRUE		TRUE					
19491	SRS02600	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/28/1977	4/7/2008		4/7/2008				TRUE		TRUE					
19492	SRS03052	SSG			6/28/2011 18:26	mccabed	SR-WO27-221H-HET	55440		1	6/11/1974		6/11/1974					TRUE	FALSE	TRUE					
19493	SRS03052X	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/11/1974	2/26/2008		2/26/2008				TRUE		TRUE					
19494	SRS03052Y	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/11/1974	3/3/2008		3/3/2008				TRUE		TRUE					
19495	SRS03052Z	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	6/11/1974	2/26/2008		2/26/2008				TRUE		TRUE					
19496	SRS03061Y	SSG	EMPLACED_CNTR	3/8/2011 19:56	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	0	6/14/1974	2/22/2010		2/22/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
19497	SRS03061Z	SSG	EMPLACED_CNTR	10/30/2011 11:10	7/21/2011 9:09	mccabed	SR-WO27-221H-HET	55440	Remediation	0	6/14/1974	7/15/2011		7/15/2011		NoVent	- Rpkgd into SRS030612A - Rpkgd was SRS030612Z	TRUE	TRUE	TRUE			SRS030612Z		Daughter
19498	SRS030612A	SSG	EMPLACED_CNTR	10/30/2011 11:10	7/21/2011 9:08	mccabed	SR-WO27-221H-HET	55440	None	0	7/15/2011		7/15/2011				Parent is SRS030612Z which is already EMPLACED.	TRUE	TRUE	TRUE					
19499	SRS030612B	SSG	EMPLACED_CNTR	11/15/2012 14:47	5/22/2012 16:04	mccabed	SR-WO27-221H-HET	55440			7/15/2011	4/9/2012	7/15/2011	4/9/2012		Added per LWatson email 052112		TRUE	FALSE	TRUE	NA				
19500	SRS03063	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	7/1/1974	3/6/2008		3/6/2008				TRUE		TRUE					
19501	SRS03065	SSG	EMPLACED_CNTR	1/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	7/1/1974	4/21/2007		4/21/2007				TRUE		TRUE					
19502	SRS03072V	SSG	APPROVED_SHIP		10/1/2012 16:44	mccabed	SR-WO27-221H-HET	55440	Remediate	1	6/14/1974	7/22/2008		7/22/2008		NoVent, NCR-SRS-0807-08, 11/6/08, C. Simmons, the drums are > 50% absorbent, LAR; WS changed per JSchoen email 062211; WS changed from SR-WO27-221H-HOM per MP app email 100112.		TRUE	TRUE	TRUE					
19503	SRS03072VA	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440		0	7/22/2008		7/22/2008		1/14/2009			TRUE		TRUE					
19504	SRS03072VB	SSG	APPROVED_CERT		2/29/2013 9:11	mccabed	SR-WO27-221H-HET	55440		0	7/22/2008		7/22/2008			NCR-SRS-0811-08, C.Simmons, the drums are > 50% absorbent, 11/6/08, LAR; WS changed per JSchoen email 062211; WS changed from SR-WO27-221H-HOM per LWatson 022513.		TRUE	TRUE	TRUE					
19505	SRS03072W	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-221H-HET	55440	Remediate	1	8/14/1974	7/22/2008		7/22/2008				TRUE		TRUE					
19506	SRS03072XA	SSG	EMPLACED_CNTR	7/15/2012 13:24	5/13/2012 17:20	mccabed	SR-WO27-221H-HET	55440		0	4/10/2012	4/20/2012	4/10/2012	4/20/2012		EXCLUDE due to repackaging into WMAPSWB343; Please see 221-F-55078 Tru Waste Container Remediation for container WMAPSWB343 dated 4/10/2012 which I used to unrecksuke this container id. (55 gallon drum SRS03072XA with two 5g buckets inside placed into 85 gallon drum with the same container id); 221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19507	SR5030722A	SSG	EMPLACED_CNTR	10/16/2011 16:40	7/14/2011 16:23	mccabed	SR-W027-221H-HET	S5440	None	0	7/12/2011		7/12/2011			NoVent	- Apkgd was SR5030722	TRUE	TRUE	TRUE			SR5030722		Daughter
19508	SR5030722B	SSG	EMPLACED_CNTR	8/1/2012 11:15	5/21/2012 16:07	mccabed	SR-W027-221H-HET	S5440	None	0	10/20/2011		10/20/2011				- Rpkgd was SR5030722	TRUE	TRUE	TRUE			SR5030722		Daughter
19509	SR5033375	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/13/1975	6/27/2007		6/27/2007				TRUE		TRUE					
19510	SR5033375A	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/27/2007		6/27/2007		12/20/2007			TRUE		TRUE					
19511	SR5032514	SSG	EMPLACED_CNTR	1/31/2030 18:37	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	11/4/1976	11/4/1976		8/5/2007				TRUE		TRUE					
19512	SR5033520	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/8/1976	1/30/2007	2/13/1999	1/30/2007	8/18/1999			TRUE		TRUE					
19513	SR5035204	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1		1/30/2007		1/30/2007				TRUE		TRUE					
19514	SR5035521	SSG	EMPLACED_CNTR	4/19/2010 22:20	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	7/29/1976	7/29/1976		11/12/2007				TRUE		TRUE					
19515	SR5033522	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	4/29/1976	4/29/1976		3/27/2008				TRUE		TRUE					
19516	SR5035525	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/29/1976	5/20/2008		5/20/2008				TRUE		TRUE					
19517	SR5035254	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/20/2008		5/20/2008		11/12/2008			TRUE		TRUE					
19518	SR5035528	SSG	EMPLACED_CNTR	6/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	4/29/1976	4/29/1976		3/28/2008				TRUE		TRUE					
19519	SR5035534	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	5/20/1976	5/20/1976		8/1/2007				TRUE		TRUE					
19520	SR5035536	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	7/29/1976	7/29/1976	12/31/1999	2/1/2004	5/14/2000			TRUE		TRUE					
19521	SR5035539	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/4/1976	5/14/2008		5/14/2008				TRUE		TRUE					
19522	SR5035539A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/13/2008		2/11/2008		8/5/2008			TRUE		TRUE					
19523	SR5035543	SSG	EMPLACED_CNTR	6/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/2/1976	12/2/1976		2/19/2007				TRUE		TRUE					
19524	SR5035544	SSG	EMPLACED_CNTR	4/12/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/28/1976	5/22/2008		5/22/2008				TRUE		TRUE					
19525	SR5035444A	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/22/2008		5/22/2008		11/14/2008			TRUE		TRUE					
19526	SR5035548	SSG	EMPLACED_CNTR	4/10/2010 13:32	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/28/1976	5/30/2008		5/30/2008				TRUE		TRUE					
19527	SR5035561	SSG	EMPLACED_CNTR	6/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/28/1976	7/24/2008		7/14/2008				TRUE		TRUE					
19528	SR5035530A	SSG	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	7/24/2008		7/24/2008		1/16/2009			TRUE		TRUE					
19529	SR5035554	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/28/1976	2/8/2008		2/8/2008				TRUE		TRUE					
19530	SR5035544A	SSG	EMPLACED_CNTR	11/13/2010 20:02	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/8/2008		2/8/2008		8/2/2008			TRUE	TRUE	TRUE					
19531	SR5035557	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/9/1976	12/9/1976		1/29/2008		NoVent, 08/11/2007 V&P Vent		TRUE		TRUE					
19532	SR5035561	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/12/1976	3/3/2008		3/3/2008				TRUE		TRUE					
19533	SR5035561A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/3/2008		3/3/2008		8/26/2008			TRUE		TRUE					
19534	SR5035564	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	8/12/1976	8/12/1976		2/12/2007				TRUE		TRUE					
19535	SR5035567	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/26/1976	2/27/2008		2/27/2008				TRUE		TRUE					
19536	SR5035567A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/27/2008		2/27/2008		8/21/2008			TRUE		TRUE					
19537	SR5035569	SSG	EMPLACED_CNTR	4/19/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	9/9/1976	9/9/1976		12/7/2007				TRUE		TRUE					
19538	SR5035571	SSG	EMPLACED_CNTR	10/7/2010 18:13	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	9/30/1976	9/30/1976		12/6/2007				TRUE		TRUE					
19539	SR5035574	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	9/30/1976	9/30/1976		12/7/2007				TRUE		TRUE					
19540	SR5035578	SSG	EMPLACED_CNTR	4/15/2010 13:25	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	10/21/1976	10/21/1976		1/5/2008				TRUE		TRUE					
19541	SR5035581	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/21/1976	2/21/2008		2/21/2008				TRUE		TRUE					
19542	SR5035814A	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/21/2008		2/21/2008		8/15/2008			TRUE		TRUE					
19543	SR5035590	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	5/20/1976	5/20/1976		8/1/2007				TRUE		TRUE					
19544	SR5035593	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	5/20/1976	5/20/1976		6/22/2005				TRUE		TRUE					
19545	SR5040088	SSG	EMPLACED_CNTR	4/18/2010 9:10	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/4/1976	3/4/1976	3/16/1999	5/4/2006	9/8/1999			TRUE		TRUE					
19546	SR5040089	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	3/4/1976	3/4/1976		11/2/2007				TRUE		TRUE					
19547	SR5040091	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/26/1976	8/18/2008		8/18/2008				TRUE		TRUE					
19548	SR5040914A	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/18/2008		8/18/2008		2/10/2009			TRUE		TRUE					
19549	SR5040098	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/4/1976		3/1/1999		8/24/1999			TRUE		TRUE					
19550	SR5052101	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/9/1977	5/15/2007		5/15/2007				TRUE		TRUE					
19551	SR5052103	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	8/18/1977	8/18/1977		2/25/2007				TRUE		TRUE					
19552	SR5052105	SSG	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/18/1977	3/14/2004	12/31/1999	3/14/2006	6/14/2000			TRUE		TRUE					
19553	SR5052106	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	8/14/1977	8/18/1977		2/26/2007				TRUE		TRUE					
19554	SR5052107	SSG	EMPLACED_CNTR	7/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/17/1977	2/17/2004	10/19/1999	2/17/2004	4/12/2000			TRUE		TRUE					
19555	SR5052108	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/23/1977		8/17/1999		3/9/2000			TRUE		TRUE					
19556	SR5052109	SSG	EMPLACED_CNTR	4/17/2010 14:24	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	8/30/1977	8/30/1977		12/7/2007				TRUE		TRUE					
19557	SR5052110	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/30/1977	2/23/2004	8/17/1999	2/23/2004	2/9/2000			TRUE		TRUE					
19558	SR5052111	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/30/1977	4/28/2008		4/28/2008				TRUE		TRUE					
19559	SR5052112	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/30/1977	4/18/2004	8/19/1999	4/18/2004	2/11/2000			TRUE		TRUE					
19560	SR5052115	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	9/8/1977	9/8/1977	12/31/1999	9/29/2003	6/24/2000			TRUE		TRUE					
19561	SR5052116	SSG	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	9/13/1977	2/14/2004	8/24/1999	2/14/2004	2/18/2000			TRUE		TRUE					
19562	SR5052116A	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1		2/14/2004		2/14/2004				TRUE		TRUE					
19563	SR5052117	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	9/13/1977	9/13/1977		12/14/2007				TRUE		TRUE					
19564	SR5052118	SSG	EMPLACED_CNTR	6/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	9/15/1977	9/15/1977		1/4/2008				TRUE		TRUE					
19565	SR5052119	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	9/15/1977	9/15/1977		1/3/2008				TRUE		TRUE					
19566	SR5052120	SSG	EMPLACED_CNTR	6/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/15/1977		6/15/1999		12/8/1999			TRUE		TRUE					
19567	SR5052221	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	9/15/1977	9/15/1977		1/3/2008				TRUE		TRUE					
19568	SR5052222	SSG	EMPLACED_CNTR	3/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	9/20/1977	2/19/2008		2/19/2008				TRUE		TRUE					
19569	SR5052223	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	9/20/1977	9/20/1977		1/3/2008				TRUE		TRUE					
19570	SR5052224	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/20/1977		10/26/1999		4/19/2000			TRUE		TRUE					
19571	SR5052234	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/6/1977		10/26/1999		4/19/2000			TRUE		TRUE					
19572	SR5052235	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/6/1977		12/31/1999		6/24/2000			TRUE		TRUE					
19573	SR5052237	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/6/1977		10/26/1999		4/19/2000			TRUE		TRUE					
19574	SR5052238	SSG	EMPLACED_CNTR	10/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/6/1977	4/17/2008		4/17/2008				TRUE		TRUE					
19575	SR5052388A	SSG	EMPLACED_CNTR	6/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/17/2008		4/17/2008		10/10/2008			TRUE		TRUE					
19576	SR5052240	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/13/1977	4/9/2004	11/17/1999	4/9/2004	5/11/2000			TRUE		TRUE					
19577	SR5052241	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/19/1977		10/25/1999		4/18/2000			TRUE		TRUE					
19578	SR5052242	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/25/1977	10/25/1977		1/10/2004				TRUE	TRUE	TRUE					
19579	SR5052244	SSG	EMPLACED_CNTR	5/17/2012 14:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/25/1977	10/25/1977		12/14/2007		NoVent		TRUE		TRUE					
19580	SR5052247	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/1/1977	9/3/2008		9/3/2008				TRUE		TRUE					
19581	SR5052247A	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/3/2008		9/3/2008		8/26/2008			TRUE		TRUE					
19582	SR5052249	SSG	EMPLACED_CNTR	4/18/2010 13:43	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/1/1977	12/1/1977		1/11/2008				TRUE		TRUE					
19583	SR5052252	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/1/1977	6/18/2008		6/18/2008				TRUE		TRUE					
19584	SR5052255	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/1/1977	6/6/2004	4/8/1999	6/6/2004	10/1/1999			TRUE		TRUE					
19585	SR5052256	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/6/1977	7/17/2008		7/17/2008				TRUE		TRUE					
19586	SR5052256A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/22/2008		5/22/2008		11/14/2008			TRUE		TRUE					
19587	SR5052259	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	12/8/1977		5/11/1999		11/3/1999			TRUE		TRUE					
19588	SR5052260	SSG	EMPLACED_CNTR	6/10/2010 13:32	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/8/1977	5/29/2008		5/29/2008				TRUE		TRUE					
19589	SR5052260A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/29/2008		5/29/2008		11/21/2008			TRUE		TRUE					
19590	SR5052261	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/13/1977	3/26/2008		3/26/2008				TRUE		TRUE					
19591	SR5052264	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/12/1978	4/16/2008		4/16/2008				TRUE		TRUE					
19592	SR5052484A	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/2008		4/16/2008		10/9/2008			TRUE		TRUE					
19593	SR5052647	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	1/17/1978	1/17/1978		3/15/2005				TRUE		TRUE					
19594	SR5052678	SSG	EMPLACED_CNTR	11/21/2009 14:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/26/1978	1/26/1978		3/21/2008				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19584	SR505279	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/28/1978	3/19/2007		3/19/2007				TRUE		TRUE					
19585	SR505280	SSG	EMPLACED_CNTR	4/17/2010 14:24	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	1/10/1978	1/10/1978		3/12/2008				TRUE		TRUE					
19587	SR505282	SSG	EMPLACED_CNTR	10/29/2010 14:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/5/1978	1/5/1978		3/16/2008				TRUE		TRUE					
19588	SR505287	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/28/1978	1/11/2008		1/11/2008				TRUE		TRUE					
19589	SR505287A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/11/2008		1/11/2008		7/5/2008			TRUE		TRUE					
19600	SR505290	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/9/1978	5/3/2006	12/31/1999	5/3/2006	6/24/2000			TRUE		TRUE					
19601	SR505292	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/9/1978	4/10/2004	6/12/1999	4/10/2004	10/5/1999			TRUE		TRUE					
19602	SR505293	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/6/1978	12/3/2007		12/3/2007				TRUE		TRUE					
19603	SR505293A	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/3/2007		12/3/2007		5/27/2008			TRUE		TRUE					
19604	SR505294	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/30/1978	5/25/2006	5/25/1999	5/25/2006	11/17/1999			TRUE		TRUE					
19605	SR505294A	SSG	EMPLACED_CNTR	12/6/2012 13:41	4/24/2012 20:50	mccabed	SR-W027-221H-HET	55440	Remediation		5/24/2006	4/17/2012	5/24/2006	4/17/2012		SWD061369 re-named and WS reassigned from SR-SWM4E-HET-A		TRUE	FALSE	TRUE					
19606	SR505295	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1978	3/30/1978		8/29/2006				TRUE		TRUE					
19607	SR505298	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/30/1978	3/11/2008		3/11/2008				TRUE		TRUE					
19608	SR505298A	SSG	EMPLACED_CNTR	4/10/2010 13:32	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/11/2008		3/11/2008		9/3/2008			TRUE		TRUE					
19609	SR506301	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	9/19/2007		9/19/2007				TRUE		TRUE					
19610	SR506304	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/24/1978	3/30/2006		3/30/2006				TRUE		TRUE					
19611	SR506306	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/24/1978	11/14/2004		11/14/2004				TRUE		TRUE					
19612	SR506309	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	2/21/2008		2/21/2008				TRUE		TRUE					
19613	SR506309A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/21/2008		2/21/2008		8/15/2008			TRUE		TRUE					
19614	SR506312	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	11/29/2006	12/31/1999	11/29/2006	6/24/2000			TRUE		TRUE					
19615	SR506314	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	1/10/2008		1/10/2008				TRUE		TRUE					
19616	SR506317	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/24/1978	2/14/2007		2/14/2007				TRUE		TRUE					
19617	SR506318	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	2/17/2004	6/30/1999	2/17/2004	12/23/1999			TRUE		TRUE					
19618	SR506320	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1978	1/16/2008		1/16/2008				TRUE		TRUE					
19619	SR506320A	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/16/2008		1/16/2008		7/10/2008			TRUE		TRUE					
19620	SR506323	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/24/1978	2/17/2004	7/12/1999	2/17/2004	1/4/2000			TRUE		TRUE					
19621	SR506324	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/24/1978	3/13/2004	7/13/1999	3/13/2004	1/5/2000			TRUE		TRUE					
19622	SR506331	SSG	EMPLACED_CNTR	9/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/5/1978	9/5/1978		1/27/2007				TRUE		TRUE					
19623	SR506334	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/5/1978	2/9/2008		2/9/2008				TRUE		TRUE					
19624	SR506337	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	9/5/1978	9/5/1978		1/28/2007				TRUE		TRUE					
19625	SR506340	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/5/1978	10/31/2004	5/24/1999	10/31/2004	11/16/1999			TRUE		TRUE					
19626	SR506341	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	9/19/1978	9/19/1978		1/28/2007				TRUE		TRUE					
19627	SR506342	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/3/1978	8/1/2007		8/1/2007				TRUE		TRUE					
19628	SR506345	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/3/1978	6/24/2007		6/24/2007				TRUE		TRUE					
19629	SR506348	SSG	EMPLACED_CNTR	1/25/2010 19:40	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/3/1978	7/18/2008		7/18/2008				TRUE		TRUE					
19630	SR506348A	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/12/2008		2/12/2008		8/6/2008			TRUE		TRUE					
19631	SR506351	SSG	EMPLACED_CNTR	10/27/2010 19:11	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/3/1978	5/12/2008		5/12/2008				TRUE		TRUE					
19632	SR506351A	SSG	EMPLACED_CNTR	11/20/2009 14:34	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/12/2008		5/12/2008		11/4/2008			TRUE		TRUE					
19633	SR506354	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/7/1978	4/10/2004	12/31/1999	4/10/2004	6/24/2000			TRUE		TRUE					
19634	SR506356	SSG	EMPLACED_CNTR	1/31/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	11/7/1978	11/7/1978		12/15/2007				TRUE		TRUE					
19635	SR506366	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/30/1978	3/8/2004	6/7/1999	3/8/2004	11/30/1999			TRUE		TRUE					
19636	SR506367	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/5/1978	3/5/2004	6/7/1999	3/5/2004	11/30/1999			TRUE		TRUE					
19637	SR506368	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/5/1978	3/13/2007		3/13/2007				TRUE		TRUE					
19638	SR506371	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/5/1978		6/3/1999		11/26/1999			TRUE		TRUE					
19639	SR506372	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/5/1978	3/31/2004	12/31/1999	3/31/2004	6/24/2000			TRUE		TRUE					
19640	SR506374	SSG	EMPLACED_CNTR	4/3/2011 11:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1978	5/8/2008		5/8/2008		NoVent		TRUE	TRUE	TRUE					
19641	SR506374A	SSG	EMPLACED_CNTR	5/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/8/2008		5/8/2008		10/31/2008			TRUE		TRUE					
19642	SR506377	SSG	EMPLACED_CNTR	4/3/2011 11:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1978	11/13/2007		11/13/2007		NoVent		TRUE	TRUE	TRUE					
19643	SR506380	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1978	5/1/2008		5/1/2008				TRUE		TRUE					
19644	SR506380A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/1/2008		5/1/2008		10/24/2008			TRUE		TRUE					
19645	SR506383	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1978	5/1/2008		5/1/2008				TRUE		TRUE					
19646	SR506383A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/1/2008		5/1/2008		10/24/2008			TRUE		TRUE					
19647	SR506386	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/23/1979	1/23/1979		10/27/2007				TRUE		TRUE					
19648	SR506387	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/16/1979	1/16/1979		5/26/2007				TRUE		TRUE					
19649	SR506391	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/16/1979	1/16/1979		11/27/2007				TRUE		TRUE					
19650	SR506398	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/6/1979	2/6/1979		11/1/2007				TRUE		TRUE					
19651	SR507361	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/11/1978	4/11/1978		8/18/2006				TRUE		TRUE					
19652	SR507364	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/11/1978	9/26/2006		9/26/2006				TRUE		TRUE					
19653	SR507367	SSG	EMPLACED_CNTR	10/6/2010 21:56	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/11/1978	9/11/2006		9/11/2006				TRUE		TRUE					
19654	SR507368	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/11/1978	4/11/1978		3/18/2005				TRUE		TRUE					
19655	SR507371	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	4/18/1978	4/18/1978		6/2/2004				TRUE		TRUE					
19656	SR507373	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/18/1978	6/16/2005		6/16/2005				TRUE		TRUE					
19657	SR507376	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/27/1978	2/13/2004	12/31/1999	2/13/2004	6/24/2000			TRUE		TRUE					
19658	SR507378	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/11/1978	2/12/2008		2/12/2008				TRUE		TRUE					
19659	SR507378A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/12/2008		2/12/2008		8/6/2008			TRUE		TRUE					
19660	SR507385	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/8/1978	5/14/2007		5/14/2007				TRUE		TRUE					
19661	SR507393	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	11/1/2006	6/30/1999	11/1/2006	12/23/1999			TRUE		TRUE					
19662	SR507394	SSG	EMPLACED_CNTR	5/19/2011 19:40	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	4/25/2008		4/25/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
19663	SR507397	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	2/25/2004	6/30/1999	2/25/2004	12/23/1999			TRUE		TRUE					
19664	SR507398	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/24/1978		7/12/1999		1/4/2000			TRUE		TRUE					
19665	SR507399	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1978	5/22/2004	6/30/1999	5/22/2004	12/23/1999			TRUE		TRUE					
19666	SR507400	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/1/1978		6/30/1999		12/23/1999			TRUE		TRUE					
19667	SR508657	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/6/1979	2/15/2007		2/15/2007				TRUE		TRUE					
19668	SR508659	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/8/1979	10/8/2007		10/8/2007				TRUE		TRUE					
19669	SR508662	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/8/1979	2/27/2008		2/27/2008				TRUE		TRUE					
19670	SR508665	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/20/1979	2/7/2008		2/7/2008				TRUE		TRUE					
19671	SR508668	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/20/1979	9/19/2007		9/19/2007				TRUE		TRUE					
19672	SR508671	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/22/1979	11/28/2006	11/3/1999	11/28/2006	4/27/2000			TRUE	TRUE	TRUE					
19673	SR508672	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/22/1979	2/13/1979		6/8/2007				TRUE		TRUE					
19674	SR508675	SSG	EMPLACED_CNTR	2/18/2012 9:00	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/22/1979	4/22/2008		4/22/2008		NoVent		TRUE	TRUE	TRUE					
19675	SR508678	SSG	EMPLACED_CNTR	4/19/2010 19:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/6/1979	3/6/1979		11/14/2007				TRUE		TRUE					
19676	SR508681	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/19/1979		6/15/1999		12/8/1999			TRUE		TRUE					
19677	SR508682	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/19/1979		8/12/1999		2/4/2000			TRUE		TRUE					
19678	SR508683	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/19/1979		6/7/1999		11/30/1999			TRUE		TRUE					
19679	SR508684	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/19/1979	2/16/2004	8/11/1999	2/16/2004	2/3/2000			TRUE		TRUE					
19680	SR508685	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/26/1979	2/1/2008		2/1/2008				TRUE		TRUE					
19681	SR508686	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/24/1979	3/30/2006	11/17/1999	3/30/2006	5/11/2000			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19682	SR509687	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	4/24/1979	3/29/2008		3/29/2008				TRUE		TRUE					
19683	SR509690	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	4/26/1979	4/26/1979		7/17/2007				TRUE		TRUE					
19684	SR508695	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	4/26/1979	12/7/2006	12/31/1999	12/7/2006	6/24/2000			TRUE		TRUE					
19685	SR508698	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	4/26/1979	9/13/2007		9/13/2007				TRUE		TRUE					
19686	SR508698A	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/13/2007		9/13/2007		3/7/2008			TRUE		TRUE					
19687	SR509401	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	12/2/1980	2/20/2006	10/8/1997	2/20/2006	4/2/1998			TRUE		TRUE					
19688	SR509402	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	12/2/1980	5/22/2004	10/8/1997	5/22/2004	4/2/1998			TRUE		TRUE					
19689	SR509403	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	12/2/1980	5/24/2004	10/8/1997	5/24/2004	4/2/1998			TRUE		TRUE					
19690	SR509404	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	12/2/1980		10/6/1997		3/31/1998			TRUE		TRUE					
19691	SR509406	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
19692	SR509412	SSG	EMPLACED_CNTR	11/29/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	12/18/1980		9/11/1997		3/6/1998			TRUE		TRUE					
19693	SR509801	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	5/15/1979	5/15/1979		2/4/2007				TRUE		TRUE					
19694	SR509808	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	5/24/1979	8/24/2007		8/24/2007				TRUE		TRUE					
19695	SR509811	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	5/24/1979	4/28/2008		4/28/2008				TRUE		TRUE					
19696	SR509814	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	5/31/1979	2/16/2004	12/31/1999	2/16/2004	6/24/2000			TRUE		TRUE					
19697	SR509814A	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		2/16/2004		2/16/2004				TRUE		TRUE					
19698	SR509816	SSG	EMPLACED_CNTR	6/29/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	6/8/1979	2/17/2004	8/11/1999	2/17/2004	2/3/2000			TRUE		TRUE					
19699	SR509831	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	7/31/1979	7/31/1979		3/28/2007				TRUE		TRUE					
19700	SR509833	SSG	EMPLACED_CNTR	1/11/2010 10:57	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	7/31/1979	7/31/1979		3/28/2007				TRUE		TRUE					
19701	SR509835	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	7/31/1979	3/10/2008		3/10/2008				TRUE		TRUE					
19702	SR509835A	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	8/10/2008		3/10/2008		9/2/2008			TRUE		TRUE					
19703	SR509838	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	7/31/1979	7/31/1979		12/1/2005				TRUE		TRUE					
19704	SR509841	SSG	EMPLACED_CNTR	10/6/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	7/31/1979	7/31/1979		3/28/2007				TRUE		TRUE					
19705	SR509844	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	7/31/1979		12/31/1999		6/24/2000			TRUE		TRUE					
19706	SR509847	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	7/12/1980	10/8/2007		10/8/2007				TRUE		TRUE					
19707	SR509848	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	8/30/1979		12/31/1999		6/24/2000			TRUE		TRUE					
19708	SR509853	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	1/25/2008		1/25/2008				TRUE		TRUE					
19709	SR509853A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	1/25/2008		1/25/2008		7/19/2008			TRUE		TRUE					
19710	SR509856	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	8/12/2008		8/12/2008				TRUE		TRUE					
19711	SR509856A	SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/13/2008		2/13/2008		8/7/2008			TRUE		TRUE					
19712	SR509860	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	8/30/1979	8/30/1979		4/24/2007				TRUE		TRUE					
19713	SR509864	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	3/26/2008		3/26/2008				TRUE		TRUE					
19714	SR509864A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	3/26/2008		3/26/2008		9/18/2008			TRUE		TRUE					
19715	SR509867	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	3/10/2008		3/10/2008				TRUE		TRUE					
19716	SR509870	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	8/30/1979	8/30/1979		4/24/2007				TRUE		TRUE					
19717	SR509874	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	8/30/1979	8/30/1979		1/2/2008				TRUE		TRUE					
19718	SR509878	SSG	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	5/1/2008		5/1/2008				TRUE		TRUE					
19719	SR509878A	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	5/1/2008		5/1/2008		10/24/2008			TRUE		TRUE					
19720	SR509881	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	8/30/1979	7/15/2008		7/15/2008				TRUE		TRUE					
19721	SR509881A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	3/20/2008		3/20/2008		9/12/2008			TRUE		TRUE					
19722	SR509885	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	9/27/1979		10/25/1999		4/18/2000			TRUE		TRUE					
19723	SR509886	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	9/27/1979	2/24/2004	10/20/1999	2/24/2004	4/13/2000			TRUE		TRUE					
19724	SR509894	SSG	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/11/1979	5/7/2008		5/7/2008				TRUE		TRUE					
19725	SR509897	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/11/1979	2/19/2008		2/19/2008				TRUE		TRUE					
19726	SR509897A	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/19/2008		2/19/2008		8/13/2008			TRUE		TRUE					
19727	SR511269	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	5/15/1979	2/15/2004	7/15/1999	2/15/2004	1/7/2000			TRUE		TRUE					
19728	SR511269A	SSG	EMPLACED_CNTR	10/6/2010 12:56	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		2/15/2004		2/15/2004				TRUE		TRUE					
19729	SR511270	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	5/15/1979		7/15/1999		1/7/2000			TRUE		TRUE					
19730	SR511271	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	5/15/1979	5/15/1979		2/3/2007				TRUE		TRUE					
19731	SR512301	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	11/20/1979	3/12/2007		3/12/2007				TRUE		TRUE					
19732	SR512302	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	2/6/2008		2/6/2008				TRUE		TRUE					
19733	SR512302A	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/6/2008		2/6/2008		7/31/2008			TRUE		TRUE					
19734	SR512304	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	2/12/1980	2/12/1980		2/24/2007				TRUE		TRUE					
19735	SR512314	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/12/1980	2/12/1980		11/22/2007				TRUE		TRUE					
19736	SR512315	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	2/12/1980	2/12/1980		11/21/2007				TRUE		TRUE					
19737	SR512316	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/12/1980	2/12/1980		11/23/2007				TRUE		TRUE					
19738	SR512323	SSG	EMPLACED_CNTR	4/21/2010 21:18	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	4/28/2008		4/28/2008				TRUE		TRUE					
19739	SR512323A	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	4/28/2008		4/28/2008		10/21/2008			TRUE		TRUE					
19740	SR512325	SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	7/28/2008		7/28/2008				TRUE		TRUE					
19741	SR512327	SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	2/18/2008		2/18/2008				TRUE		TRUE					
19742	SR512327A	SSG	EMPLACED_CNTR	4/18/2010 13:18	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/18/2008		2/18/2008		8/12/2008			TRUE		TRUE					
19743	SR512329	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	2/14/2008		2/14/2008				TRUE		TRUE					
19744	SR512329A	SSG	EMPLACED_CNTR	6/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/14/2008		2/14/2008		8/8/2008			TRUE		TRUE					
19745	SR512331	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/12/1980	4/16/2008		4/16/2008				TRUE		TRUE					
19746	SR512331A	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	4/16/2008		4/16/2008		10/9/2008			TRUE		TRUE					
19747	SR512333	SSG	EMPLACED_CNTR	4/19/2010 19:07	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	2/26/1980	2/26/1980		1/18/2008				TRUE		TRUE					
19748	SR512335	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/26/1980	1/22/2008		1/22/2008				TRUE		TRUE					
19749	SR512337	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/26/1980	4/5/2004	12/31/1999	4/5/2004	6/24/2000			TRUE		TRUE					
19750	SR512337A	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		4/6/2004		4/6/2004				TRUE		TRUE					
19751	SR512347	SSG	EMPLACED_CNTR	3/8/2011 19:56	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	10/16/1979	10/16/1979		2/24/2007		WWIS_Status APPROVED_CERT		TRUE	TRUE	TRUE					
19752	SR512349	SSG	APPROVED_SHIP		4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	10/16/1979	10/16/1979		11/28/2007		NoVent		TRUE	TRUE	TRUE					
19753	SR512355	SSG	EMPLACED_CNTR	8/2/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/18/1979	2/24/2004	10/25/1999	2/24/2004	4/18/2000			TRUE		TRUE					
19754	SR512356	SSG	EMPLACED_CNTR	8/2/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/18/1979		10/26/1999		4/19/2000			TRUE		TRUE					
19755	SR512357	SSG	EMPLACED_CNTR	4/25/2010 13:24	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Vent	0	10/24/1979	10/24/1979		12/5/2007				TRUE		TRUE					
19756	SR512360	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/24/1979	5/20/2008		5/20/2008				TRUE		TRUE					
19757	SR512362	SSG	EMPLACED_CNTR	4/14/2011 21:48	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	10/24/1979	6/17/2008		6/17/2008		NoVent		TRUE	TRUE	TRUE					
19758	SR512362A	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	6/17/2008		6/17/2008		12/10/2008			TRUE		TRUE					
19759	SR512368	SSG	EMPLACED_CNTR	12/2/2003	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	10/30/1979		5/19/1998		11/11/1998			TRUE		TRUE					
19760	SR512369	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	11/20/1979	2/23/2004	5/18/1996	2/23/2004	11/10/1998			TRUE		TRUE					
19761	SR512369A	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1		2/23/2004		2/23/2004				TRUE		TRUE					
19762	SR512371	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/26/1980	2/26/1980		8/17/2004				TRUE		TRUE					
19763	SR512372	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/26/1980	2/26/1980		8/17/2004				TRUE		TRUE					
19764	SR512374	SSG	EMPLACED_CNTR	10/25/2011 23:49	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/26/1980	5/13/2008		5/13/2008		NoVent		TRUE	TRUE	TRUE					
19765	SR512376	SSG	EMPLACED_CNTR	4/18/2010 9:10	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/26/1980	2/26/1980		8/21/2007				TRUE		TRUE					
19766	SR512378	SSG	EMPLACED_CNTR	4/25/2010 13:24	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	V&P Purge	0	2/26/1980	2/26/1980		11/29/2007				TRUE		TRUE					
19767	SR512384	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440		0	2/26/1980		4/16/1998		10/9/1998			TRUE		TRUE					
19768	SR512385	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/26/1980	10/12/2006	3/24/1998	10/12/2006	9/16/1998			TRUE		TRUE					
19769	SR512386	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET	55440	Remediate	1	2/26/1980	1/11/2008		1/11/2008				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1977	SR512387	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/26/1980	5/3/2006	4/7/1998	5/3/2006	9/30/1998			TRUE		TRUE					
1977	SR512389	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/26/1980	2/12/2008		2/12/2008				TRUE		TRUE					
1977	SR512394	SSG	EMPLACED_CNTR	3/8/2011 19:56	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	3/13/1980	3/13/1980		9/23/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1977	SR512395	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/13/1980	2/15/2008		2/15/2008				TRUE		TRUE					
1977	SR512395A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/15/2008	5/8/2008	2/15/2008	5/8/2008	8/9/2008			TRUE		TRUE					
1977	SR512398	SSG	EMPLACED_CNTR	3/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/13/1980	4/23/2008		4/23/2008				TRUE		TRUE					
1977	SR513301	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	3/20/1980	3/20/1980		6/3/2008				TRUE		TRUE					
1977	SR513303	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/20/1980	2/27/2008		2/27/2008				TRUE		TRUE					
1977	SR513305	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/20/1980	4/30/2008		4/30/2008				TRUE		TRUE					
1977	SR513307	SSG	EMPLACED_CNTR	3/27/2011 12:27	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	3/20/1980	3/20/1980		8/28/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1978	SR513308	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	3/20/1980	3/20/1980		12/12/2007				TRUE		TRUE					
1978	SR513321	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/3/1980	1/16/2007		1/16/2007				TRUE		TRUE					
1978	SR513323	SSG	EMPLACED_CNTR	11/9/2011 12:38	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/3/1980	5/22/2008		5/22/2008		NoVent; 8/13/05 V&P Purge		TRUE	TRUE	TRUE					
1978	SR513327	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/15/1980	2/14/2008		2/14/2008				TRUE		TRUE					
1978	SR513329	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	4/15/1980	4/15/1980		12/19/2007				TRUE		TRUE					
1978	SR513331	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	4/15/1980	4/15/1980		5/13/2004				TRUE		TRUE					
1978	SR513333	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	4/24/1980	4/24/1980		3/4/2007				TRUE		TRUE					
1978	SR513335	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/24/1980	6/5/2006		6/5/2006				TRUE		TRUE					
1978	SR513337	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	4/24/1980	4/24/1980		8/13/2004				TRUE		TRUE					
1978	SR513339	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/5/1980	5/28/2007		5/28/2007				TRUE		TRUE					
1979	SR513341	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/5/1980	8/3/2007		8/3/2007				TRUE		TRUE					
1979	SR513343	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/5/1980	5/8/2008		5/8/2008				TRUE		TRUE					
1979	SR513345	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/5/1980	3/27/2008		3/27/2008				TRUE		TRUE					
1979	SR513363	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	6/19/1980	6/19/1980		4/3/2007				TRUE		TRUE					
1979	SR513365	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/19/1980	9/5/2008		9/5/2008				TRUE		TRUE					
1979	SR513365A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	9/5/2008		9/5/2008		8/28/2008			TRUE		TRUE					
1979	SR513368	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/19/1980	3/4/2008		3/4/2008				TRUE		TRUE					
1979	SR513371	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/3/1980		10/23/1997		4/17/1998			TRUE		TRUE					
1979	SR513372	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/3/1980		10/22/1997		4/16/1998			TRUE		TRUE					
1979	SR513373	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/3/1980	3/20/2006	10/23/1997	3/20/2006	4/17/1998			TRUE		TRUE					
1980	SR513374	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/3/1980	11/30/2004		11/30/2004				TRUE		TRUE					
1980	SR513375	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/3/1980	10/6/2006	10/27/1997	10/6/2006	4/21/1998			TRUE		TRUE					
1980	SR513378	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/3/1980		10/27/1997		4/21/1998			TRUE		TRUE					
1980	SR513377	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/3/1980	2/21/2006	10/23/1997	2/21/2006	4/17/1998			TRUE		TRUE					
1980	SR513378	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/3/1980		10/27/1997		4/21/1998			TRUE		TRUE					
1980	SR513379	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	7/3/1980	7/3/1980		4/22/2004				TRUE		TRUE					
1980	SR513382	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/3/1980	5/21/2004		5/21/2004				TRUE		TRUE					
1980	SR513383	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	7/3/1980	7/3/1980		4/19/2004				TRUE		TRUE					
1980	SR513384	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/16/1980		12/31/1999		6/24/2000			TRUE		TRUE					
1980	SR513386	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/17/1980		3/25/1998		9/17/1998			TRUE		TRUE					
1981	SR513387	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/16/1980		3/23/1998		9/15/1998			TRUE		TRUE					
1981	SR513388	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/16/1980		4/7/1998		9/30/1999			TRUE		TRUE					
1981	SR513389	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/16/1980	3/27/2006	5/7/1998	3/27/2006	10/30/1998			TRUE		TRUE					
1981	SR513390	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/16/1980		4/6/1998		9/29/1998			TRUE		TRUE					
1981	SR513391	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/16/1980	6/22/2004	5/7/1998	6/22/2004	10/30/1998			TRUE		TRUE					
1981	SR513392	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	7/17/1980	7/17/1980		1/13/2004				TRUE		TRUE					
1981	SR513393	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/17/1980	12/24/2005		12/24/2005				TRUE		TRUE					
1981	SR513394	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/16/1980	2/26/2004	3/26/1998	2/26/2004	9/18/1998			TRUE		TRUE					
1981	SR513395	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/16/1980		5/14/1998		11/6/1998			TRUE		TRUE					
1981	SR513396	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	7/22/1980	7/12/1980		1/10/2004				TRUE		TRUE					
1982	SR513398	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	7/22/1980	5/23/2004	4/20/1998	5/23/2004	10/13/1998			TRUE		TRUE					
1982	SR513399	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	7/22/1980		4/30/1998		10/23/1998			TRUE		TRUE					
1982	SR513400	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	7/22/1980	7/22/1980	4/27/1998	10/1/2006	10/20/1998			TRUE		TRUE					
1982	SR513601	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	9/30/1980	2/7/2008		2/7/2008				TRUE		TRUE					
1982	SR513603	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	9/30/1980	9/30/1980		5/13/2007				TRUE		TRUE					
1982	SR513605	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	9/30/1980	1/9/2008		1/9/2008				TRUE		TRUE					
1982	SR513607	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	9/30/1980	9/30/1980		4/10/2007				TRUE		TRUE					
1982	SR513611	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1982	SR513614	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1982	SR513615	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1982	SR513616	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/30/1997		4/14/1998			TRUE		TRUE					
1983	SR513617	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/13/1997		4/7/1998			TRUE		TRUE					
1983	SR513618	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/21/1980	2/13/2008		2/13/2008				TRUE	TRUE	TRUE					
1983	SR513618A	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	2/13/2008		2/13/2008		8/7/2008			TRUE	TRUE	TRUE					
1983	SR513620	SSG	EMPLACED_CNTR	5/17/2012 14:16	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	10/21/1980	10/21/1980		5/6/2007		NoVent		TRUE		TRUE					
1983	SR513622	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/21/1980	3/25/2008		3/25/2008				TRUE		TRUE					
1983	SR513624	SSG	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/21/1980	4/14/2008		4/14/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1983	SR513625	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/21/1980		10/20/1997		4/14/1998			TRUE		TRUE					
1983	SR513626	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/21/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1983	SR513628	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/16/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1984	SR513629	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/23/1980		10/14/1997		4/8/1998			TRUE		TRUE					
1984	SR513630	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	10/23/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1984	SR513631	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/30/1980	2/20/2008		2/20/2008				TRUE		TRUE					
1984	SR513632	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/30/1980	1/16/2007		1/16/2007				TRUE		TRUE					
1984	SR513634	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	10/30/1980	10/30/1980		4/10/2007				TRUE		TRUE					
1984	SR513635	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2Q/30/1980	11/26/2007		11/26/2007				TRUE		TRUE					
1984	SR513638	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	10/30/1980	10/30/1980		4/10/2007				TRUE		TRUE					
1984	SR513640	SSG	EMPLACED_CNTR	6/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	10/30/1980	1/12/2008		1/12/2008				TRUE		TRUE					
1984	SR513643	SSG	EMPLACED_CNTR	3/27/2011 12:27	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	10/30/1980	10/30/1980		12/12/2006		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1984	SR513645	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/6/1980	2/20/2006	10/14/1997	2/20/2006	4/8/1998			TRUE		TRUE					
1985	SR513646	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/6/1980	3/24/2006	10/15/1997	3/24/2006	4/9/1998			TRUE		TRUE					
1985	SR513647	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	11/6/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1985	SR513648	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	11/6/1980		10/15/1997		4/9/1998			TRUE		TRUE					
1985	SR513649	SSG	EMPLACED_CNTR	12/2/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/21/1980	10/12/2005	10/7/1997	10/12/2005	4/1/1998			TRUE		TRUE					
1985	SR513650	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/21/1980	2/28/2006	10/9/1997	2/28/2006	4/3/1998			TRUE		TRUE					
1985	SR513651	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/21/1980	11/26/2005	10/9/1997	11/26/2005	4/3/1998			TRUE		TRUE					
1985	SR513652	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440		0	11/21/1980		10/14/1997		4/8/1998			TRUE		TRUE					
1985	SR513653	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	11/21/1980	7/1/2006	10/9/1997	7/1/2006	4/3/1998			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1958	SR513654	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	3/13/2006	10/8/1997	3/23/2006	4/2/1998			TRUE		TRUE					
1959	SR513655	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	2/24/2006	10/9/1997	2/24/2006	4/3/1998			TRUE		TRUE					
1960	SR513656	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	8/9/2005	10/13/1997	8/9/2005	4/7/1998			TRUE		TRUE					
1961	SR513657	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/21/1980		10/8/1997		4/1/1998			TRUE		TRUE					
1962	SR513658	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/21/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1963	SR513659	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/21/1980		10/13/1997		4/7/1998			TRUE		TRUE					
1964	SR513660	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	5/30/2004	10/8/1997	5/30/2004	4/2/1998			TRUE		TRUE					
1965	SR513662	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/25/1980	5/22/2004	10/9/1997	5/22/2004	4/3/1998			TRUE		TRUE					
1966	SR513663	SSG	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	11/1/2007		11/1/2007				TRUE		TRUE					
1967	SR513665	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	1/30/2008		1/30/2008				TRUE		TRUE					
1968	SR513667	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	6/18/2007		6/18/2007				TRUE		TRUE					
1969	SR513670	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/21/1980	7/13/2007		7/13/2007				TRUE	TRUE	TRUE					
1970	SR513673	SSG			4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/21/1980					NoVent		TRUE	TRUE	TRUE					
1971	SR513674	SSG			4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/21/1980					NoVent		TRUE	TRUE	TRUE					
1972	SR513675	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1973	SR513676	SSG	EMPLACED_CNTR	5/24/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/13/1997		4/7/1998			TRUE		TRUE					
1974	SR513677	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1975	SR513678	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/25/1980	1/31/2006	10/9/1997	1/31/2006	4/3/1998			TRUE		TRUE					
1976	SR513679	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/25/1980	6/6/2006	10/7/1997	6/6/2006	4/1/1998			TRUE		TRUE					
1977	SR513680	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/7/1997		4/1/1998			TRUE		TRUE					
1978	SR513681	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1979	SR513682	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	11/25/1980	12/14/2006	10/13/1997	12/14/2006	4/7/1998			TRUE		TRUE					
1980	SR513683	SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1981	SR513684	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1982	SR513685	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/13/1997		4/7/1998			TRUE		TRUE					
1983	SR513686	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	11/25/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1984	SR513687	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/18/1980		9/11/1997		3/6/1998			TRUE		TRUE					
1985	SR513688	SSG	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1986	SR513689	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1987	SR513690	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/7/1997		4/1/1998			TRUE		TRUE					
1988	SR513691	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/7/1997		4/1/1998			TRUE		TRUE					
1989	SR513692	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1990	SR513693	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/9/1997		4/3/1998			TRUE		TRUE					
1991	SR513694	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1992	SR513695	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	12/2/1980		10/8/1997		4/2/1998			TRUE		TRUE					
1993	SR513696	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	12/2/1980	8/12/2004	10/7/1997	8/12/2004	4/1/1998			TRUE		TRUE					
1994	SR513697	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	12/2/1980	5/20/2004	9/25/1997	5/20/2004	3/20/1998			TRUE		TRUE					
1995	SR513700	SSG	EMPLACED_CNTR	9/21/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	12/18/1980	1/22/2006	9/11/1997	1/22/2006	3/6/1998			TRUE		TRUE					
1996	SR513701	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	7/22/1980		5/6/1998		10/29/1998			TRUE		TRUE					
1997	SR513702	SSG	EMPLACED_CNTR	3/29/2010 18:46	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	7/24/1980	7/24/1980		1/22/2008				TRUE		TRUE					
1998	SR513705	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/24/1980	10/19/2007		10/19/2007				TRUE		TRUE					
1999	SR513707	SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/24/1980	2/29/2008		2/29/2008				TRUE		TRUE					
1930	SR513710	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	7/24/1980	7/24/1980		3/28/2005				TRUE		TRUE					
1931	SR513712	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	7/24/1980	7/24/1980		7/13/2007				TRUE		TRUE					
1932	SR513713	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	7/29/1980	7/29/1980		9/11/2007				TRUE		TRUE					
1933	SR513715	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	7/29/1980	7/29/1980		3/28/2004				TRUE		TRUE					
1934	SR513718	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	2/17/2004	5/11/1998	2/17/2004	11/3/1998			TRUE		TRUE					
1935	SR513719	SSG	EMPLACED_CNTR	8/16/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	2/23/2006	4/29/1998	2/23/2006	10/13/1998			TRUE		TRUE					
1936	SR513720	SSG	EMPLACED_CNTR	5/30/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	1/24/2008		1/24/2008				TRUE		TRUE					
1937	SR513720A	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	1/24/2008	4/18/2008	1/24/2008	4/18/2008	7/18/2008			TRUE		TRUE					
1938	SR513722	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	3/3/2004	5/4/1998	3/3/2004	10/27/1998			TRUE		TRUE					
1939	SR513723	SSG	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	7/29/1980		12/31/1999		6/24/2000			TRUE		TRUE					
1940	SR513725	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	7/29/1980		12/31/1999		6/24/2000			TRUE		TRUE					
1941	SR513727	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	7/30/2007		7/30/2007				TRUE		TRUE					
1942	SR513728	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	7/28/1980	7/28/1980		6/11/2006				TRUE		TRUE					
1943	SR513730	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	10/18/2007		10/18/2007				TRUE		TRUE					
1944	SR513732	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	7/29/1980	7/12/2007		7/12/2007				TRUE		TRUE					
1945	SR513737	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/19/1980	11/13/2006	4/28/1998	11/13/2006	10/21/1998			TRUE		TRUE					
1946	SR513738	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/19/1980		5/4/1998		10/27/1998			TRUE		TRUE					
1947	SR513739	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/19/1980	2/12/2007		2/12/2007				TRUE		TRUE					
1948	SR513740	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/19/1980		4/28/1998		10/21/1998			TRUE		TRUE					
1949	SR513741	SSG	EMPLACED_CNTR	9/7/2010 21:54	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	8/19/1980	8/19/1980		1/23/2004				TRUE		TRUE					
1950	SR513742	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/19/1980		12/31/1999		6/24/2000			TRUE		TRUE					
1951	SR513744	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	8/19/1980	8/19/1980		1/20/2004				TRUE		TRUE					
1952	SR513746	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/19/1980	8/2/2007		8/2/2007				TRUE		TRUE					
1953	SR513748	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/19/1980	12/19/2006		12/19/2006				TRUE		TRUE					
1954	SR513750	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/19/1980	8/19/1980		1/20/2004				TRUE		TRUE					
1955	SR513752	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/26/1980		3/18/1998		9/10/1998			TRUE		TRUE					
1956	SR513753	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/26/1980	8/26/1980		1/23/2004				TRUE		TRUE					
1957	SR513754	SSG	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	8/26/1980	8/26/1980		1/23/2004				TRUE		TRUE					
1958	SR513755	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/26/1980	8/26/1980		1/23/2004				TRUE		TRUE					
1959	SR513756	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	8/29/1980	8/29/1980		1/23/2004				TRUE		TRUE					
1960	SR513757	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/26/1980	8/26/1980		1/29/2008				TRUE		TRUE					
1961	SR513759	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/26/1980	8/26/1980		4/3/2007				TRUE		TRUE					
1962	SR513761	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/26/1980	2/15/2008		2/15/2008		NoVent		TRUE	TRUE	TRUE					
1963	SR513763	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/28/1980		3/25/1998		9/17/1998			TRUE		TRUE					
1964	SR513764	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/28/1980		4/21/1998		10/14/1998			TRUE		TRUE					
1965	SR513765	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/28/1980		3/23/1998		9/15/1998			TRUE		TRUE					
1966	SR513766	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440		0	8/28/1980		3/25/1998		9/17/1998			TRUE		TRUE					
1967	SR513767	SSG	EMPLACED_CNTR	4/26/2010 22:20	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/28/1980	2/22/2008		2/22/2008				TRUE		TRUE					
1968	SR513769	SSG	APPROVED_SHIP		4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	8/28/1980	8/28/1980		11/16/2007		NoVent		TRUE	TRUE	TRUE					
1969	SR513771	SSG	EMPLACED_CNTR	5/19/2011 19:45	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/28/1980	2/22/2008		2/22/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1970	SR513774	SSG	EMPLACED_CNTR	4/29/2010 22:51	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Purge	0	8/28/1980	8/28/1980		11/16/2007				TRUE		TRUE					
1971	SR513777	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	8/28/1980	5/12/2008		5/12/2008				TRUE		TRUE					
1972	SR513779	SSG	EMPLACED_CNTR	1/8/2011 19:56	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	9/4/1980	7/23/2008		7/23/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
1973	SR513781	SSG	EMPLACED_CNTR	5/15/2011 14:22	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	V&P Vent	0	9/11/1980	9/11/1980		5/27/2008		NoVent		TRUE	TRUE	TRUE					
1974	SR513783	SSG	EMPLACED_CNTR	2/23/2012 12:56	4/28/2011 6:00	WWIS_Upd	SR-WD27-221M-HET	S5440	Remediate	1	9/11/1980	5/22/2008		5/22/2008		NoVent; D1/04/2008 V&P Vent - not processed to preserve later purge DAC date		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
19945	SR513784	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	9/11/1980	2/25/2004	10/22/1997	2/25/2004	4/16/1998			TRUE		TRUE					
19946	SR513785	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/11/1980		10/21/1997		4/15/1998			TRUE		TRUE					
19947	SR513786	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/11/1980		10/21/1997		4/15/1998			TRUE		TRUE					
19948	SR513787	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/11/1980		10/22/1997		4/16/1998			TRUE		TRUE					
19949	SR513788	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	9/16/1980	9/16/1980		9/23/2007				TRUE		TRUE					
19950	SR513790	SSG	EMPLACED_CNTR	1/31/2010 13:37	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	9/16/1980	9/16/1980		7/31/2007				TRUE		TRUE					
19951	SR513792	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	9/16/1980	1/17/2008		1/17/2008				TRUE		TRUE					
19952	SR513793	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/16/1980		10/21/1997		4/15/1998			TRUE		TRUE					
19953	SR513794	SSG			4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	10/15/1980		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
19954	SR513797	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/30/1980		10/21/1997		4/15/1998			TRUE		TRUE					
19955	SR513798	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	9/30/1980		10/20/1997		4/14/1998			TRUE		TRUE					
19956	SR513799	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	12/18/1980		9/10/1997		3/5/1998			TRUE		TRUE					
19957	SR513800	SSG	EMPLACED_CNTR	1/28/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	12/18/1980	3/5/2008		3/5/2008				TRUE		TRUE					
19958	SR513875	SSG	EMPLACED_CNTR	4/26/2010 22:25	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/13/1982	8/13/2008		8/13/2008				TRUE		TRUE					
19959	SR513876	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/13/1982	5/21/2008		5/21/2008				TRUE		TRUE					
19960	SR513877	SSG	EMPLACED_CNTR	11/19/2011 14:17	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/13/1982	5/20/2008		5/20/2008		NoVent		TRUE	TRUE	TRUE					
19961	SR513878	SSG	EMPLACED_CNTR	6/12/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	2/13/1982	2/13/1982		4/8/2008				TRUE		TRUE					
19962	SR513879	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/13/1982	5/20/2008		5/20/2008				TRUE		TRUE					
19963	SR513880	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	2/13/1982	2/13/1982		7/16/2004				TRUE		TRUE					
19964	SR513881	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	2/13/1982	2/13/1982		7/16/2004				TRUE		TRUE					
19965	SR513882	SSG	EMPLACED_CNTR	1/11/2010 18:36	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	2/13/1982	2/13/1982		11/1/2007				TRUE		TRUE					
19966	SR513883	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	2/13/1982	2/13/1982		8/27/2006				TRUE		TRUE					
19967	SR513884	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	2/13/1982	2/13/1982		7/29/2004				TRUE		TRUE					
19968	SR513885	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	2/13/1982	2/13/1982		7/14/2004				TRUE		TRUE					
19969	SR513886	SSG	EMPLACED_CNTR	4/19/2010 21:36	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/13/1982	2/8/2008		2/8/2008				TRUE		TRUE					
19970	SR513887	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/14/1998		4/8/1999			TRUE		TRUE					
19971	SR513888	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/12/1998		4/6/1999			TRUE		TRUE					
19972	SR513889	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		9/28/1998		3/31/1999			TRUE		TRUE					
19973	SR513890	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/12/1998		4/6/1999			TRUE		TRUE					
19974	SR513891	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/15/1998		4/9/1999			TRUE		TRUE					
19975	SR513892	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27 221H-HET	SS440		0	2/23/1982		10/15/1998		4/9/1999			TRUE		TRUE					
19976	SR513893	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/19/1998		4/13/1999			TRUE		TRUE					
19977	SR513894	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1982		10/19/1998		4/13/1999			TRUE		TRUE					
19978	SR513895	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/20/1982		9/24/1998		3/19/1999			TRUE		TRUE					
19979	SR513896	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/20/1982		9/10/1998		3/5/1999			TRUE		TRUE					
19980	SR513897	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/20/1982	4/1/2004	9/22/1998	4/1/2004	3/17/1999			TRUE		TRUE					
19981	SR513898	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/20/1982		9/29/1998		3/24/1999			TRUE		TRUE					
19982	SR513899	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/20/1982		9/24/1998		3/19/1999			TRUE		TRUE					
19983	SR513901	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/14/1981	9/26/2007		9/26/2007				TRUE		TRUE					
19984	SR513902	SSG	EMPLACED_CNTR	8/11/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/14/1981	1/30/2008		1/30/2008				TRUE		TRUE					
19985	SR513902A	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	1/30/2008		1/30/2008		7/24/2008			TRUE		TRUE					
19986	SR513904	SSG	EMPLACED_CNTR	11/12/2010 21:57	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/14/1981	9/25/2007	12/31/1999	9/25/2007	6/24/2000			TRUE		TRUE					
19987	SR513906	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/14/1981		4/23/1998		10/14/1998			TRUE		TRUE					
19988	SR513907	SSG	EMPLACED_CNTR	5/19/2011 19:14	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	1/8/2008		1/8/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
19989	SR513908	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	2/26/2008		2/26/2008				TRUE		TRUE					
19990	SR513910	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	4/9/2008		4/9/2008				TRUE		TRUE					
19991	SR513911	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/20/1982		9/17/1998		3/12/1999			TRUE		TRUE					
19992	SR513912	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	3/11/2008		3/11/2008				TRUE		TRUE					
19993	SR513913	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	2/22/2008		2/22/2008				TRUE		TRUE					
19994	SR513914	SSG	EMPLACED_CNTR	1/28/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	5/19/2008		5/19/2008				TRUE		TRUE					
19995	SR513915	SSG	EMPLACED_CNTR	4/12/2010 22:22	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	1/30/2008		1/30/2008				TRUE		TRUE					
19996	SR513916	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	5/28/2008		5/28/2008				TRUE		TRUE					
19997	SR513918	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	8/17/2007		8/17/2007				TRUE		TRUE					
19998	SR513920	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	5/5/2006	9/3/1997	5/5/2006	2/26/1998			TRUE		TRUE					
19999	SR513921	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	4/4/2006	8/20/1997	4/4/2006	2/12/1998			TRUE		TRUE					
20000	SR513922	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/23/1981		8/28/1997		2/20/1998			TRUE		TRUE					
20001	SR513923	SSG	EMPLACED_CNTR	5/15/2012 15:08	1/26/2012 14:27	mccabed	SR-WD27-221H-HET	SS440	V&P Vent	0	4/23/1981	7/22/2006	7/22/2006	10/29/2006		10/29/2006 Filter added per BSchrock 012612.		TRUE	TRUE	TRUE					
20002	SR513924	SSG	EMPLACED_CNTR	1/11/2012 14:24	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/23/1981	4/18/2008		4/18/2008		NoVent		TRUE	TRUE	TRUE					
20003	SR513925	SSG	EMPLACED_CNTR	7/6/2010 17:49	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	8/17/2007		8/17/2007		NoVent		TRUE	TRUE	TRUE					
20004	SR513927	SSG	EMPLACED_CNTR	3/17/2011 12:22	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	5/14/1981	5/14/1981		3/13/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20005	SR513929	SSG	EMPLACED_CNTR	1/25/2010 19:40	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	6/4/2007		6/4/2007				TRUE		TRUE					
20006	SR513931	SSG	EMPLACED_CNTR	4/26/2010 22:21	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	4/21/2008		4/21/2008				TRUE		TRUE					
20007	SR513933	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	7/28/2008		7/28/2008				TRUE		TRUE					
20008	SR513935	SSG	EMPLACED_CNTR	5/17/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	4/23/2008		4/23/2008				TRUE		TRUE					
20009	SR513935A	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/23/2008		4/23/2008		10/16/2008			TRUE		TRUE					
20010	SR513937	SSG	EMPLACED_CNTR	1/13/2012 13:31	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	7/28/2008		7/28/2008		NoVent		TRUE	TRUE	TRUE					
20011	SR513939	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/14/1981	5/16/2008		5/16/2008				TRUE		TRUE					
20012	SR513949	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	3/20/2008		3/20/2008				TRUE		TRUE					
20013	SR513950	SSG	EMPLACED_CNTR	8/22/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	4/9/1981	4/9/1981		7/27/2007				TRUE		TRUE					
20014	SR513953	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	4/9/1981	4/9/1981		7/28/2007				TRUE		TRUE					
20015	SR513958	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	10/14/2007		10/14/2007				TRUE		TRUE					
20016	SR513959	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	5/12/2008		5/12/2008				TRUE		TRUE					
20017	SR513963	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	9/12/2007		9/12/2007				TRUE		TRUE					
20018	SR513964	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	4/25/2008		4/25/2008				TRUE		TRUE					
20019	SR513966	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/9/1981		4/22/1998		10/15/1998			TRUE		TRUE					
20020	SR513967	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/7/1981		5/5/1998		10/28/1998			TRUE		TRUE					
20021	SR513968	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/9/1981	2/19/2006	4/23/1998	2/19/2006	10/14/1998			TRUE		TRUE					
20022	SR513969	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/9/1981		4/28/1998		10/21/1998			TRUE		TRUE					
20023	SR513970	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	4/9/1981		5/4/1998		10/27/1998			TRUE		TRUE					
20024	SR513971	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	4/14/1981	1/24/2008		1/24/2008				TRUE		TRUE					
20025	SR513972	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/27/1981	6/21/2004	4/27/1998	6/21/2004	10/20/1998			TRUE		TRUE					
20026	SR513974	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		4/23/1998		10/16/1998			TRUE		TRUE					
20027	SR513975	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		5/5/1998		10/28/1998			TRUE		TRUE					
20028	SR513976	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		4/21/1998		10/14/1998			TRUE		TRUE					
20029	SR513977	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		4/29/1998		10/22/1998			TRUE		TRUE					
20030	SR513978	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		5/12/1998		11/4/1998			TRUE		TRUE					
20031	SR513979	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440		0	5/27/1981		5/5/1998		10/28/1998			TRUE		TRUE					
20032	SR513980	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/27/1981	3/23/2006	5/12/1998	3/23/2006	11/4/1998			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20012	SRS13981	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	5/27/1981	1/3/2006	5/7/1998	1/3/2006	10/30/1998			TRUE		TRUE					
20013	SRS13982	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/13/1998		11/5/1998			TRUE		TRUE					
20019	SRS13983	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/29/1998		10/13/1998			TRUE		TRUE					
20036	SRS13984	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	5/27/1981	5/12/2004	5/7/1998	5/12/2004	10/30/1998			TRUE		TRUE					
20017	SRS13984A	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1		5/12/2004		5/12/2004				TRUE		TRUE					
20028	SRS13985	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		3/30/1998		9/22/1998			TRUE		TRUE					
20029	SRS13986	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Vent	0	5/27/1981	5/27/1981	5/13/1998	8/4/2006	11/5/1998			TRUE		TRUE					
20048	SRS13987	SSG	EMPLACED_CNTR	10/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/29/1998		10/13/1998			TRUE		TRUE					
20041	SRS13989	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/4/1998		10/27/1998			TRUE		TRUE					
20042	SRS13990	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/4/1998		10/27/1998			TRUE		TRUE					
20043	SRS13991	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/13/1998		11/5/1998			TRUE		TRUE					
20044	SRS13992	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/29/1998		10/22/1998			TRUE		TRUE					
20045	SRS13993	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/29/1998		10/13/1998			TRUE		TRUE					
20046	SRS13994	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/28/1998		10/21/1998			TRUE		TRUE					
20047	SRS13995	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/16/1998		10/9/1998			TRUE		TRUE					
20048	SRS13996	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/12/1998		11/4/1998			TRUE		TRUE					
20049	SRS13997	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/5/1998		10/28/1998			TRUE		TRUE					
20050	SRS13998	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		4/21/1998		10/14/1998			TRUE		TRUE					
20051	SRS13999	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	5/27/1981		5/6/1998		10/29/1998			TRUE		TRUE					
20052	SRS14000	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	5/27/1981	2/24/2004	3/30/1998	2/24/2004	9/22/1998			TRUE		TRUE					
20053	SRS14602	SSG	EMPLACED_CNTR	3/1/2011 22:40	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/17/1981	3/4/2008		3/4/2008				TRUE		TRUE					
20054	SRS14604	SSG	EMPLACED_CNTR	3/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/17/1981	3/4/2008		3/4/2008				TRUE		TRUE					
20055	SRS14606	SSG	EMPLACED_CNTR	3/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/17/1981	9/12/2007		9/12/2007				TRUE		TRUE					
20056	SRS14608	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/17/1981	5/8/2008		5/8/2008				TRUE		TRUE					
20057	SRS14610	SSG	EMPLACED_CNTR	7/22/2012 14:53	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Vent	0	9/17/1981	9/17/1981		7/9/2007		NoVent		TRUE	TRUE	TRUE					
20058	SRS14612	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/17/1981	11/26/2007		11/26/2007				TRUE		TRUE					
20059	SRS14616	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20060	SRS14617	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/6/1998		1/29/1999			TRUE		TRUE					
20061	SRS14618	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/21/1998		3/16/1999			TRUE		TRUE					
20062	SRS14619	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/6/1998		1/29/1999			TRUE		TRUE					
20063	SRS14620	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20064	SRS14621	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/19/1998		2/2/1999			TRUE		TRUE					
20065	SRS14622	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/21/1998		3/16/1999			TRUE		TRUE					
20066	SRS14623	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20067	SRS14624	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		8/10/1998		2/2/1999			TRUE		TRUE					
20068	SRS14625	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/21/1998		3/16/1999			TRUE		TRUE					
20069	SRS14627	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/21/1998		3/16/1999			TRUE		TRUE					
20070	SRS14628	SSG	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/16/1998		3/11/1999			TRUE		TRUE					
20071	SRS14629	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20072	SRS14631	SSG	EMPLACED_CNTR	11/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/21/1998		3/16/1999			TRUE		TRUE					
20073	SRS14632	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/24/1998		3/19/1999			TRUE		TRUE					
20074	SRS14633	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/17/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20075	SRS14638	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	2/18/2008		2/18/2008				TRUE		TRUE					
20076	SRS14638A	SSG	EMPLACED_CNTR	8/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/18/2008		2/18/2008		8/12/2008			TRUE		TRUE					
20077	SRS14640	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	1/9/2008		1/9/2008				TRUE		TRUE					
20078	SRS14640A	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	1/9/2008		1/9/2008		7/3/2008			TRUE		TRUE					
20079	SRS14642	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	4/15/2008		4/15/2008				TRUE		TRUE					
20080	SRS14644	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	1/29/2008		1/29/2008				TRUE		TRUE					
20081	SRS14644A	SSG	EMPLACED_CNTR	4/29/2010 14:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	1/29/2008		1/29/2008		7/23/2008			TRUE		TRUE					
20082	SRS14648	SSG	EMPLACED_CNTR	5/16/2004	5/1/2013 13:12	mccabed	SR-WQ27-221M-HET	SS440		0	10/8/1981		11/18/1998			Changed container type per LWatson 050113.		TRUE	FALSE	TRUE					
20083	SRS14649	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/18/1998		2/10/1999			TRUE		TRUE					
20084	SRS14650	SSG	EMPLACED_CNTR	6/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20085	SRS14651	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20086	SRS14652	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20087	SRS14653	SSG	EMPLACED_CNTR	11/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	5/23/2004	8/19/1998	5/23/2004	2/11/1999			TRUE		TRUE					
20088	SRS14654	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/12/1998		2/4/1999			TRUE		TRUE					
20089	SRS14655	SSG	EMPLACED_CNTR	10/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/17/1998		1/9/1999			TRUE		TRUE					
20090	SRS14657	SSG	EMPLACED_CNTR	8/28/2001	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20091	SRS14658	SSG	EMPLACED_CNTR	10/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/18/1998		2/10/1999			TRUE		TRUE					
20092	SRS14659	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/5/1998		1/28/1999			TRUE		TRUE					
20093	SRS14660	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/17/1998		2/9/1999			TRUE		TRUE					
20094	SRS14661	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	10/8/1981	5/25/2004	8/17/1998	5/25/2004	2/9/1999			TRUE		TRUE					
20095	SRS14662	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/17/1998		2/9/1999			TRUE		TRUE					
20096	SRS14663	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20097	SRS14664	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20098	SRS14665	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/20/1998		2/12/1999			TRUE		TRUE					
20099	SRS14666	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	10/8/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20100	SRS14668	SSG	EMPLACED_CNTR	4/29/2010 14:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	2/1/2008		2/1/2008				TRUE		TRUE					
20101	SRS14670	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	7/7/2008		7/7/2008				TRUE		TRUE					
20102	SRS14672	SSG	EMPLACED_CNTR	4/16/2010 13:18	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	2/7/2008		2/7/2008				TRUE		TRUE					
20103	SRS14677	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Purge	0	11/5/1981	11/5/1981		9/26/2007				TRUE		TRUE					
20104	SRS14679	SSG	EMPLACED_CNTR	8/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	4/30/2008		4/30/2008				TRUE		TRUE					
20105	SRS14680	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	2/7/2008		2/7/2008				TRUE		TRUE					
20106	SRS14682	SSG	EMPLACED_CNTR	8/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	1/23/2008		1/23/2008				TRUE		TRUE					
20107	SRS14682A	SSG	EMPLACED_CNTR	5/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	1/23/2008		1/23/2008		7/17/2008			TRUE		TRUE					
20108	SRS14684	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/6/1998		3/31/1999			TRUE		TRUE					
20109	SRS14685	SSG	EMPLACED_CNTR	11/1/2001	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		9/30/1998		3/25/1999			TRUE		TRUE					
20110	SRS14686	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/15/1998		4/9/1999			TRUE		TRUE					
20111	SRS14687	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	1/12/2006	10/5/1998	1/12/2006	3/30/1999			TRUE		TRUE					
20112	SRS14688	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/6/1998		3/31/1999			TRUE		TRUE					
20113	SRS14689	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/15/1998		4/9/1999			TRUE		TRUE					
20114	SRS14690	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/6/1998		3/31/1999			TRUE		TRUE					
20115	SRS14691	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		9/29/1998		3/24/1999			TRUE		TRUE					
20116	SRS14692	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		9/30/1998		3/25/1999			TRUE		TRUE					
20117	SRS14693	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		9/30/1998		3/25/1999			TRUE		TRUE					
20118	SRS14694	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/5/1998		3/30/1999			TRUE		TRUE					
20119	SRS14695	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	11/5/1981		10/15/1998		4/9/1999			TRUE		TRUE					
20120	SRS14696	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	11/5/1981	8/10/2005	10/15/1998	8/10/2005	4/9/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20121	SR514697	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/5/1981	12/30/2006	10/15/1998	12/30/2006	4/9/1999			TRUE		TRUE					
20122	SR515501	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	5/26/1983	5/26/1983		6/18/2004				TRUE		TRUE					
20123	SR515502	SSG	EMPLACED_CNTR	6/12/1999	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	5/26/1983	5/26/1983		6/3/2008				TRUE		TRUE					
20124	SR515503	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/26/1983	10/4/2007		10/4/2007				TRUE		TRUE					
20125	SR515504	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/26/1983	4/14/2008		4/14/2008				TRUE		TRUE					
20126	SR515505	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	5/26/1983	5/26/1983		8/2/2007				TRUE		TRUE					
20127	SR515506	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	5/26/1983	5/26/1983		8/1/2007				TRUE		TRUE					
20128	SR515507	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	5/26/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20129	SR515508	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	5/26/1983		5/21/1998		11/13/1998			TRUE		TRUE					
20130	SR515509	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	5/26/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20131	SR515510	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/26/1983	1/18/2006	5/26/1998	1/18/2006	11/18/1998			TRUE		TRUE					
20132	SR515511	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/26/1983	4/9/2004	5/28/1998	4/9/2004	11/20/1998			TRUE		TRUE					
20133	SR515512	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	5/26/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20134	SR515513	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1983	6/16/1983	5/27/1998	8/4/2006	11/19/1998			TRUE		TRUE					
20135	SR515514	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	6/16/1983		7/9/1998		1/1/1999			TRUE		TRUE					
20136	SR515515	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	6/28/1983		7/20/1998		1/12/1999			TRUE		TRUE					
20137	SR515516	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/28/1983	3/25/2006	8/3/1998	3/25/2006	1/26/1999			TRUE		TRUE					
20138	SR515517	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	6/28/1983		8/3/1998		1/26/1999			TRUE		TRUE					
20139	SR515518	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	6/28/1983		8/3/1998		1/26/1999			TRUE		TRUE					
20140	SR515519	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	6/28/1983		8/3/1998		1/26/1999			TRUE		TRUE					
20141	SR515520	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/28/1983	3/10/2004	7/23/1998	3/10/2004	1/15/1999			TRUE		TRUE					
20142	SR515521	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/25/1983	8/25/1983		5/6/2004				TRUE		TRUE					
20143	SR515522	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/18/1983	10/18/1983		9/11/2007				TRUE		TRUE					
20144	SR515523	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/18/1983	7/7/2008		7/7/2008				TRUE		TRUE					
20145	SR515524	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/18/1983	1/30/2008		1/30/2008				TRUE		TRUE					
20146	SR515525	SSG	EMPLACED_CNTR	10/9/2011 10:54	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/18/1983	2/13/2008		2/13/2008		NoVent		TRUE	TRUE	TRUE					
20147	SR515526	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/18/1983	10/18/1983		12/12/2007				TRUE		TRUE					
20148	SR515527	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/18/1983	10/18/1983		12/18/2007				TRUE		TRUE					
20149	SR515528	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/18/1983	12/1/2006	6/1/1998	12/1/2006	11/24/1998			TRUE		TRUE					
20150	SR515529	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	10/18/1983		5/18/1998		11/10/1998			TRUE		TRUE					
20151	SR515530	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	10/18/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20152	SR515532	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		12/6/2006				TRUE		TRUE					
20153	SR515533	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		9/17/2007				TRUE		TRUE					
20154	SR515534	SSG	EMPLACED_CNTR	10/27/2011 22:11	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		3/22/2008		NoVent; 11/17/2007 V&P Vent		TRUE	TRUE	TRUE					
20155	SR515535	SSG	EMPLACED_CNTR	1/13/2012 13:31	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	3/17/2008		3/17/2008		NoVent; 08/17/2007 V&P Vent		TRUE	TRUE	TRUE					
20156	SR515536	SSG	EMPLACED_CNTR	1/13/2012 14:41	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		1/21/2008		NoVent; 08/17/2007 V&P Vent		TRUE	TRUE	TRUE					
20157	SR515537	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	1/11/2008		1/11/2008				TRUE		TRUE					
20158	SR515538	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	1/2/2008		1/2/2008				TRUE		TRUE					
20159	SR515539	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	5/12/2008		5/12/2008				TRUE		TRUE					
20160	SR515540	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		8/2/2007				TRUE		TRUE					
20161	SR515541	SSG	EMPLACED_CNTR	10/9/2011 10:55	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/14/1983	7/14/1983		11/16/2007		NoVent		TRUE	TRUE	TRUE					
20162	SR515542	SSG	EMPLACED_CNTR	1/11/2012 14:24	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	7/28/2008	9/9/1998	7/28/2008	3/4/1999			TRUE	TRUE	TRUE					
20163	SR515543	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	12/31/2005	7/27/1998	12/31/2005	1/19/1999			TRUE		TRUE					
20164	SR515544	SSG	EMPLACED_CNTR	10/27/2011 22:57	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/14/1983	7/25/2008	9/9/1998	7/25/2008	3/4/1999			TRUE	TRUE	TRUE					
20165	SR515546	SSG	EMPLACED_CNTR	10/18/2011 22:16	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1983	5/16/2008		5/16/2008		NoVent		TRUE	TRUE	TRUE					
20166	SR515547	SSG	EMPLACED_CNTR	1/28/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1983	5/28/2008		5/28/2008				TRUE		TRUE					
20167	SR515548	SSG	EMPLACED_CNTR	10/27/2011 22:11	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/20/1983	7/20/1983		11/3/2007		NoVent; 09/26/2007 V&P Vent		TRUE	TRUE	TRUE					
20168	SR515549	SSG	EMPLACED_CNTR	11/19/2011 14:17	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1983	4/25/2008		4/25/2008		NoVent		TRUE	TRUE	TRUE					
20169	SR515550	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1983	3/12/2008		3/12/2008				TRUE		TRUE					
20170	SR515551	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1983	3/8/2004	8/12/1998	3/8/2004	2/4/1999			TRUE		TRUE					
20171	SR515552	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/20/1983		8/12/1998		2/4/1999			TRUE		TRUE					
20172	SR515561	SSG	EMPLACED_CNTR	1/13/2012 13:31	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/9/1983	5/28/2008		5/28/2008		NoVent		TRUE	TRUE	TRUE					
20173	SR515564	SSG	EMPLACED_CNTR	4/12/2010 22:22	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1982	7/5/2008	12/31/1999	7/5/2008	6/24/2000			TRUE		TRUE					
20174	SR515565	SSG	EMPLACED_CNTR	4/22/2010 19:18	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1982	7/1/2008		7/1/2008				TRUE		TRUE					
20175	SR515566	SSG	EMPLACED_CNTR	6/1/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1982	4/29/2008		4/29/2008				TRUE		TRUE					
20176	SR515567	SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1982	1/15/2008		1/15/2008				TRUE		TRUE					
20177	SR515568	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/16/1982	3/16/1982		7/17/2005				TRUE		TRUE					
20178	SR515569	SSG	EMPLACED_CNTR	8/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/16/1982	3/16/1982		7/17/2005				TRUE		TRUE					
20179	SR515570	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/16/1982	3/16/1982		10/29/2007				TRUE		TRUE					
20180	SR515571	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/16/1982	3/16/1982		12/4/2007				TRUE		TRUE					
20181	SR515572	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/16/1982		9/30/1998		3/25/1999			TRUE		TRUE					
20182	SR515573	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1982	4/5/2004	10/1/1998	4/5/2004	3/26/1999			TRUE		TRUE					
20183	SR515574	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/16/1982		9/30/1998		3/25/1999			TRUE		TRUE					
20184	SR515575	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/16/1982		10/12/1998		4/6/1999			TRUE		TRUE					
20185	SR515576	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/25/1982	3/31/2004	8/10/1998	3/31/2004	2/2/1999			TRUE		TRUE					
20186	SR515577	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20187	SR515578	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/25/1998		2/17/1999			TRUE		TRUE					
20188	SR515579	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/24/1998		2/16/1999			TRUE		TRUE					
20189	SR515580	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/25/1982	3/14/2004	8/10/1998	3/14/2004	2/2/1999			TRUE		TRUE					
20190	SR515581	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/10/1998		2/2/1999			TRUE		TRUE					
20191	SR515582	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20192	SR515583	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/24/1998		2/16/1999			TRUE		TRUE					
20193	SR515584	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20194	SR515585	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/25/1982	6/22/2004	8/10/1998	6/22/2004	2/2/1999			TRUE		TRUE					
20195	SR515586	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20196	SR515587	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20197	SR515588	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	3/25/1982		8/25/1998		2/17/1999			TRUE		TRUE					
20198	SR515589	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	4/20/1982		9/10/1998		3/5/1999			TRUE		TRUE					
20199	SR515590	SSG	EMPLACED_CNTR	4/28/2011	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	4/20/1982		9/29/1996		3/24/1999			TRUE		TRUE					
20200	SR515591	SSG	EMPLACED_CNTR	4/17/2010 14:24	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/20/1982	4/20/1982		12/18/2007				TRUE		TRUE					
20201	SR515592	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/20/1982	1/24/2008		1/24/2008				TRUE		TRUE					
20202	SR515593	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/20/1982	4/20/1982		9/17/2007				TRUE		TRUE					
20203	SR515594	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/20/1982	11/30/2004		11/30/2004				TRUE		TRUE					
20204	SR515595	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/20/1982	2/22/2008		2/22/2008				TRUE		TRUE					
20205	SR515596	SSG	EMPLACED_CNTR	3/17/2011 12:22	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/20/1982	4/20/1982		12/5/2007		WMS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20206	SR515597	SSG	EMPLACED_CNTR	5/15/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/20/1982	4/20/1982		11/9/2006				TRUE		TRUE					
20207	SR515598	SSG	EMPLACED_CNTR	9/16/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	4/20/1982	4/20/1982		6/21/2005				TRUE		TRUE					
20208	SR515599	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/20/1982	11/13/2007		11/13/2007				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20209	SR516600	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Vent	0	4/20/1982	4/20/1982		6/16/2007				TRUE		TRUE					
20210	SR516706	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/9/1983	4/21/2008		4/22/2008		NoVent		TRUE	TRUE	TRUE					
20211	SR516707	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/5/1983		9/15/1998		3/10/1999			TRUE		TRUE					
20212	SR516708	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/5/1983	6/22/2004	9/15/1998	6/22/2004	3/10/1999			TRUE		TRUE					
20213	SR516709	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/5/1983		9/15/1998		3/11/1999			TRUE		TRUE					
20214	SR516710	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/5/1983	2/19/2006	9/15/1998	2/19/2006	3/10/1999			TRUE		TRUE					
20215	SR516711	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/5/1983		9/15/1998		3/10/1999			TRUE		TRUE					
20216	SR516712	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/9/1983	1/6/2006		1/6/2006				TRUE	TRUE	TRUE					
20217	SR516713	SSG	EMPLACED_CNTR	5/15/2012 15:08	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/9/1983	2/9/2008		2/9/2008		NoVent		TRUE	TRUE	TRUE					
20218	SR516714	SSG	EMPLACED_CNTR	1/13/2012 13:31	12/8/2011 15:32	OCB-2011-534	SR-WQ27-221M-MET	55440	V&P Vent	0	8/9/1983	8/9/1983		7/15/2004		NoVent		TRUE		TRUE					
20219	SR516716	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Vent	0	8/9/1983	8/9/1983		7/15/2004				TRUE		TRUE					
20220	SR517002	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	11/24/1981		8/17/1998		2/9/1999			TRUE		TRUE					
20221	SR517003	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	11/24/1981		8/19/1998		2/11/1999			TRUE		TRUE					
																WWIS_Status:APPROVED_CERT; Changed container									
20222	SR517004	SSG	EMPLACED_CNTR	3/14/2011 23:01	5/1/2013 13:13	mcabed	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	2/27/2008	11/30/1998	2/27/2008		type per LWatson 050113.		TRUE	TRUE	TRUE					
20223	SR517004A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	2/27/2008		2/27/2008		8/21/2008			TRUE		TRUE					
20224	SR517005	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	11/24/1981	11/24/1981	8/12/1998	9/11/2005	2/4/1999			TRUE		TRUE					
20225	SR517006	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	11/24/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20226	SR517007	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	11/24/1981		8/17/1998		2/9/1999			TRUE		TRUE					
20227	SR517008	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	2/18/2006	9/16/1998	2/18/2006	3/11/1999			TRUE		TRUE					
20228	SR517009	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	11/24/1981		8/19/1998		2/11/1999			TRUE		TRUE					
20229	SR517010	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	11/5/2006	8/17/1998	11/5/2006	2/9/1999			TRUE		TRUE					
20230	SR517012	SSG	EMPLACED_CNTR	9/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	11/24/1981	11/24/1981		11/10/2007				TRUE		TRUE					
20231	SR517014	SSG	EMPLACED_CNTR	3/23/2010 18:47	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	7/30/2008		7/30/2008				TRUE		TRUE					
20232	SR517016	SSG	EMPLACED_CNTR	1/31/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	5/16/2008		5/16/2008				TRUE		TRUE					
20233	SR517018	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	4/23/2008		4/23/2008				TRUE		TRUE					
20234	SR517019	SSG	EMPLACED_CNTR	4/17/2010 14:23	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	2/13/2008		2/13/2008				TRUE		TRUE					
20235	SR517021	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	11/24/1981	5/15/2008		5/15/2008				TRUE		TRUE					
20236	SR517023	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/17/1981	1/23/2008		1/23/2008				TRUE		TRUE					
20237	SR517024	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/22/1981	2/5/2008		2/5/2008				TRUE		TRUE					
20238	SR517025	SSG	EMPLACED_CNTR	4/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/17/1981	12/16/2006		12/16/2006				TRUE		TRUE					
20239	SR517026	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	12/22/1981	12/22/1981		7/16/2005				TRUE		TRUE					
20240	SR517027	SSG	EMPLACED_CNTR	10/25/2011 23:49	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	12/17/1981	12/17/1981		11/25/2007		NoVent		TRUE	TRUE	TRUE					
20241	SR517028	SSG	EMPLACED_CNTR	4/26/2010 22:21	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/22/1981	5/15/2008		5/15/2008				TRUE		TRUE					
20242	SR517029	SSG	EMPLACED_CNTR	4/25/2010 13:24	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	12/17/1981	12/17/1981		11/25/2007				TRUE		TRUE					
20243	SR517030	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/22/1981	7/28/2008		7/28/2008		NoVent		TRUE	TRUE	TRUE					
20244	SR517031	SSG	EMPLACED_CNTR	2/21/2012 14:53	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	12/22/1981	6/30/2008		6/30/2008		NoVent		TRUE	TRUE	TRUE					
20245	SR517032	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		9/30/1998		3/15/1999			TRUE		TRUE					
20246	SR517033	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		9/29/1998		3/24/1999			TRUE		TRUE					
20247	SR517034	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		10/14/1998		4/8/1999			TRUE		TRUE					
20248	SR517035	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		9/30/1998		3/25/1999			TRUE		TRUE					
20249	SR517036	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		10/13/1998		4/7/1999			TRUE		TRUE					
20250	SR517037	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		9/29/1998		3/24/1999			TRUE		TRUE					
20251	SR517038	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	12/17/1981		10/13/1998		4/7/1999			TRUE		TRUE					
20252	SR517040	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	2/15/2008		2/15/2008				TRUE		TRUE					
20253	SR517041	SSG	EMPLACED_CNTR	5/21/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	2/11/2008		2/11/2008				TRUE		TRUE					
20254	SR517042	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	2/11/2008		2/11/2008				TRUE		TRUE					
20255	SR517043	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	4/30/2008		4/30/2008				TRUE		TRUE					
20256	SR517044	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Vent	0	1/21/1982	1/21/1982		7/16/2007				TRUE		TRUE					
20257	SR517045	SSG	EMPLACED_CNTR	11/9/2011 22:35	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Purge	0	1/21/1982	1/21/1982		7/17/2007		NoVent		TRUE	TRUE	TRUE					
20258	SR517046	SSG	EMPLACED_CNTR	4/1/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	4/1/2008		4/1/2008				TRUE		TRUE					
20259	SR517047	SSG	EMPLACED_CNTR	4/18/2010 11:00	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	5/7/2008		5/7/2008				TRUE		TRUE					
20260	SR517048	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	1/21/1982	11/12/2007		11/12/2007				TRUE		TRUE					
20261	SR517049	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/21/1982		8/18/1998		2/10/1999			TRUE		TRUE					
20262	SR517050	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/21/1982		8/18/1998		2/10/1999			TRUE		TRUE					
20263	SR517051	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/21/1982		9/16/1998		3/11/1999			TRUE		TRUE					
20264	SR517052	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/21/1982		9/17/1998		3/12/1999			TRUE		TRUE					
20265	SR517053	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/21/1982		9/17/1998		3/12/1999			TRUE		TRUE					
20266	SR517054	SSG	EMPLACED_CNTR	9/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/28/1982		8/6/1998		1/29/1999			TRUE		TRUE					
20267	SR517055	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/28/1982		9/9/1998		3/4/1999			TRUE		TRUE					
20268	SR517056	SSG	EMPLACED_CNTR	8/29/2010 23:46	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	V&P Vent	0	1/28/1982	1/28/1982	9/9/1998	7/8/2005	3/4/1999			TRUE		TRUE					
20269	SR517201	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	3/25/2008		3/25/2008				TRUE		TRUE					
20270	SR517204	SSG			4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981					NoVent		TRUE	TRUE	TRUE					
20271	SR517206	SSG	EMPLACED_CNTR	8/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	1/10/2008		1/10/2008				TRUE		TRUE					
20272	SR517206A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	1/10/2008		1/10/2008		7/4/2008			TRUE		TRUE					
20273	SR517208	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	5/6/2008		5/6/2008				TRUE		TRUE					
20274	SR517211	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	6/6/2004	9/10/1998	6/6/2004	3/5/1999			TRUE		TRUE					
20275	SR517212	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/2/1998		2/25/1999			TRUE		TRUE					
20276	SR517213	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/20/1997		2/12/1998			TRUE		TRUE					
20277	SR517214	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/1/1998		2/26/1999			TRUE		TRUE					
20278	SR517215	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/1/1998		2/24/1999			TRUE		TRUE					
20279	SR517216	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/10/1998		3/5/1999			TRUE		TRUE					
20280	SR517217	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/1/1998		2/24/1999			TRUE		TRUE					
20281	SR517218	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/26/1998		10/13/1998			TRUE		TRUE					
20282	SR517219	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/27/1998		2/19/1999			TRUE		TRUE					
20283	SR517220	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	11/14/2004	8/27/1998	11/14/2004	2/19/1999			TRUE		TRUE					
20284	SR517221	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20285	SR517222	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/24/1997		2/6/1998			TRUE		TRUE					
20286	SR517223	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/1/1998		2/24/1999			TRUE		TRUE					
20287	SR517224	SSG	EMPLACED_CNTR	10/9/2008	5/1/2013 13:14	mcabed	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	4/26/2008	9/24/1997	4/26/2008		Changed container type per LWatson 050113.		TRUE	FALSE	TRUE					
20288	SR517225	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/31/1998		2/23/1999			TRUE		TRUE					
20289	SR517227	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440	Remediate	1	8/13/1981	5/24/2004	8/14/1997	5/24/2004	1/6/1998			TRUE		TRUE					
20290	SR517229	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/24/1998		2/18/1999			TRUE		TRUE					
20291	SR517231	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/27/1998		2/19/1999			TRUE		TRUE					
20292	SR517232	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		8/18/1997		2/10/1998			TRUE		TRUE					
20293	SR517233	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	8/13/1981		9/3/1998		2/26/1999			TRUE		TRUE					
20294	SR517236	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	9/3/1981		8/5/1998		1/28/1999			TRUE		TRUE					
20295	SR517239	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-MET	55440		0	9/3/1981		9/14/1998		3/19/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20296	SR517240	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/24/1998		3/19/1999			TRUE		TRUE					
20297	SR517241	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/16/1998		3/11/1999			TRUE		TRUE					
20298	SR517242	SSG	EMPLACED_CNTR	9/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20299	SR517243	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/24/1998		3/19/1999			TRUE		TRUE					
20300	SR517244	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20301	SR517245	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/16/1998		3/11/1999			TRUE		TRUE					
20302	SR517246	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/3/1981	5/24/2004	9/23/1998	5/24/2004	3/18/1999			TRUE		TRUE					
20303	SR517247	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20304	SR517248	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/16/1998		3/11/1999			TRUE		TRUE					
20305	SR517249	SSG	EMPLACED_CNTR	9/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20306	SR517250	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20307	SR517251	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		8/5/1998		1/28/1999			TRUE		TRUE					
20308	SR517252	SSG	EMPLACED_CNTR	9/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/3/1981		9/17/1998		3/12/1999			TRUE		TRUE					
20309	SR517257	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20310	SR517259	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/26/1981	5/21/2004	8/19/1997	5/21/2004	2/11/1998			TRUE		TRUE					
20311	SR517260	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/26/1981	5/23/2004	8/21/1997	5/23/2004	2/13/1998			TRUE		TRUE					
20312	SR517262	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/20/1997		2/12/1998			TRUE		TRUE					
20313	SR517263	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20314	SR517264	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/20/1997		2/12/1998			TRUE		TRUE					
20315	SR517265	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/21/1997		2/13/1998			TRUE		TRUE					
20316	SR517266	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/21/1997		2/13/1998			TRUE		TRUE					
20317	SR517267	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/25/1981	5/23/2004	8/20/1997	5/23/2004	2/12/1998			TRUE		TRUE					
20318	SR517270	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	7/16/1981	7/16/1981		9/7/2007				TRUE		TRUE					
20319	SR517272	SSG	EMPLACED_CNTR	6/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	7/16/1981	7/16/1981		9/8/2007				TRUE		TRUE					
20320	SR517274	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/16/1981	4/8/2008		4/8/2008				TRUE		TRUE					
20321	SR517276	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/16/1981	4/24/2008		4/24/2008				TRUE		TRUE					
20322	SR517279	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/15/1981	10/18/2007		10/18/2007				TRUE		TRUE					
20323	SR517282	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/16/1981		4/20/1998		10/13/1998			TRUE		TRUE					
20324	SR517283	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/16/1981		8/4/1998		8/27/1998			TRUE		TRUE					
20325	SR517284	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/16/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20326	SR517291	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/24/1982	5/27/2008		5/27/2008				TRUE		TRUE					
20327	SR517292	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/24/1982	5/12/2008		5/12/2008				TRUE		TRUE					
20328	SR517293	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/24/1982	5/29/2008		5/29/2008				TRUE		TRUE					
20329	SR517294	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/24/1982	8/18/2007		8/18/2007				TRUE		TRUE					
20330	SR517295	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	6/24/1982	6/24/1982		6/10/2007				TRUE		TRUE					
20331	SR517296	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		8/3/1998		1/26/1999			TRUE		TRUE					
20332	SR517297	SSG	EMPLACED_CNTR	10/27/2010 19:12	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		9/9/1998		3/4/1999			TRUE		TRUE					
20333	SR517322	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	5/17/1981		4/1/1998		9/24/1998			TRUE		TRUE					
20334	SR517323	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	5/17/1981		4/22/1998		10/15/1998			TRUE		TRUE					
20335	SR517324	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	5/17/1981	5/24/2004	5/5/1998	5/24/2004	10/28/1998			TRUE		TRUE					
20336	SR517326	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		3/25/1998		9/17/1998			TRUE		TRUE					
20337	SR517327	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/9/1981	5/24/2004	3/23/1998	5/24/2004	9/15/1998			TRUE		TRUE					
20338	SR517328	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		8/2/1998		8/25/1998			TRUE		TRUE					
20339	SR517329	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		2/18/1998		8/14/1998			TRUE		TRUE					
20340	SR517330	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/9/1981	5/20/2004	3/31/1998	5/20/2004	9/23/1998			TRUE		TRUE					
20341	SR517331	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		3/30/1998		9/22/1998			TRUE		TRUE					
20342	SR517333	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		5/14/1998		11/6/1998			TRUE		TRUE					
20343	SR517334	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		2/25/1998		8/20/1998			TRUE		TRUE					
20344	SR517335	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		4/6/1998		8/29/1998			TRUE		TRUE					
20345	SR517336	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		3/31/1998		9/23/1998			TRUE		TRUE					
20346	SR517337	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		2/24/1998		8/19/1998			TRUE		TRUE					
20347	SR517338	SSG	EMPLACED_CNTR	5/9/2004	5/1/2013 13:14	mccabed	SR-WQ27-221H-HET	SS440		0	6/9/1981		11/18/1998			Changed container type per LWatson 050113.		TRUE	FALSE	TRUE					
20348	SR517339	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		5/14/1998		11/6/1998			TRUE		TRUE					
20349	SR517340	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		2/24/1998		8/19/1998			TRUE		TRUE					
20350	SR517341	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		3/19/1998		9/11/1998			TRUE		TRUE					
20351	SR517343	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/9/1981		5/12/1998		11/4/1998			TRUE		TRUE					
20352	SR517344	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/9/1981	9/1/2006	3/19/1998	9/1/2006	9/11/1998			TRUE		TRUE					
20353	SR517346	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/16/1981	5/24/2004	8/14/1997	5/24/2004	2/6/1998			TRUE		TRUE					
20354	SR517347	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/16/1981	6/20/2004	8/13/1997	6/20/2004	2/5/1998			TRUE		TRUE					
20355	SR517349	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/16/1981	5/22/2004	8/14/1997	5/22/2004	2/6/1998			TRUE		TRUE					
20356	SR517350	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/16/1981	5/23/2004	8/14/1997	5/23/2004	2/6/1998			TRUE		TRUE					
20357	SR517351	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/16/1981		8/13/1997		2/5/1998			TRUE		TRUE					
20358	SR517353	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/16/1981	5/24/2004	8/13/1997	5/24/2004	2/11/1998			TRUE		TRUE					
20359	SR517355	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20360	SR517357	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/26/1981		8/19/1997		2/11/1998			TRUE		TRUE					
20361	SR517358	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/26/1981	11/27/2006	8/19/1997	11/27/2006	2/11/1998			TRUE		TRUE					
20362	SR517359	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/9/1983	2/1/2008		2/1/2008				TRUE		TRUE					
20363	SR517360	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/9/1983	3/17/2008		3/17/2008				TRUE		TRUE					
20364	SR517502	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/18/1980	1/10/2008		1/10/2008				TRUE		TRUE					
20365	SR517503	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/18/1980	8/29/2007		8/29/2007				TRUE		TRUE					
20366	SR517505	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/18/1980		9/25/1997		3/20/1998			TRUE		TRUE					
20367	SR517506	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/13/1980		9/11/1997		3/6/1998			TRUE		TRUE					
20368	SR517507	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/13/1980	12/30/2005	9/9/1997	12/30/2005	3/4/1998			TRUE		TRUE					
20369	SR517508	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/13/1980	4/21/2006	9/9/1997	4/21/2006	3/4/1998			TRUE		TRUE					
20370	SR517509	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/13/1980	1/15/2006	9/10/1997	1/15/2006	3/5/1998			TRUE		TRUE					
20371	SR517514	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/6/1981	10/26/2006	9/11/1997	10/26/2006	3/6/1998			TRUE	TRUE	TRUE					
20372	SR517515	SSG	EMPLACED_CNTR	3/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/6/1981	1/21/2006	9/10/1997	1/21/2006	3/5/1998			TRUE		TRUE					
20373	SR517516	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/6/1981		9/10/1997		3/5/1998			TRUE		TRUE					
20374	SR517517	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/6/1981		9/26/1997		3/21/1998			TRUE		TRUE					
20375	SR517518	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/6/1981	2/17/2006	9/10/1997	2/17/2006	3/5/1998			TRUE		TRUE					
20376	SR517519	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/6/1981	3/23/2006	9/10/1997	3/23/2006	3/5/1998			TRUE		TRUE					
20377	SR517520	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/6/1981	3/9/2006	9/22/1997	3/9/2006	3/17/1998			TRUE		TRUE					
20378	SR517521	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	1/6/1981	1/6/1981	9/10/1997	9/12/2005	3/5/1998			TRUE		TRUE					
20379	SR517529	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/29/1981	2/28/2006	9/8/1997	2/28/2006	3/3/1998			TRUE		TRUE					
20380	SR517530	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/29/1981		9/8/1997		3/3/1998			TRUE		TRUE					
20381	SR517531	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/29/1981		9/4/1997		7/27/1998			TRUE		TRUE					
20382	SR517532	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/29/1981		9/8/1997		3/3/1998			TRUE		TRUE					
20383	SR517535	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/29/1981		9/8/1997		3/3/1998			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20384	SRS17537	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	1/29/1981		9/8/1997		9/3/1998			TRUE		TRUE					
20385	SRS17538	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	1/29/1981		9/4/1997		2/27/1998			TRUE		TRUE					
20386	SRS17539	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	5/9/2006	9/8/1997	5/9/2006	3/3/1998			TRUE		TRUE					
20387	SRS17540	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	4/4/2006	9/8/1997	4/4/2006	3/3/1998			TRUE		TRUE					
20388	SRS17542	SSG	EMPLACED_CNTR	2/26/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	4/30/2008		4/30/2008				TRUE		TRUE					
20389	SRS17544	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	5/23/2007		5/23/2007				TRUE		TRUE					
20390	SRS17546	SSG	EMPLACED_CNTR	3/11/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Vent	0	1/29/1981	1/29/1981		12/13/2006				TRUE		TRUE					
20391	SRS17548	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	5/5/2008		5/5/2009				TRUE		TRUE					
20392	SRS17550	SSG	EMPLACED_CNTR	7/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	1/29/1981	7/9/2008		7/9/2008				TRUE		TRUE					
20393	SRS17552	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Purge	0	1/29/1981	1/29/1981		4/15/2008				TRUE		TRUE					
20394	SRS17554	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Purge	0	2/19/1981	2/19/1981		4/14/2008				TRUE		TRUE					
20395	SRS17555	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Purge	0	2/19/1981	2/19/1981		4/16/2008				TRUE		TRUE					
20396	SRS17558	SSG	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	2/19/1981	6/25/2008		6/25/2008				TRUE		TRUE					
20397	SRS17560	SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Purge	0	2/19/1981	2/19/1981		4/17/2008				TRUE		TRUE					
20398	SRS17562	SSG	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	2/19/1981	7/3/2008		7/3/2008				TRUE		TRUE					
20399	SRS17563	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	2/19/1981	7/2/2008		7/2/2008				TRUE		TRUE					
20400	SRS17565	SSG	EMPLACED_CNTR	4/26/2010 12:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	2/19/1981	1/30/2008		1/30/2008				TRUE		TRUE					
20401	SRS17567	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/19/1981		9/3/1997		2/26/1998			TRUE		TRUE					
20402	SRS17568	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/19/1981		9/2/1997		2/25/1998			TRUE		TRUE					
20403	SRS17569	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/19/1981		3/26/1998		9/18/1998			TRUE		TRUE					
20404	SRS17570	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/19/1981		3/26/1998		9/18/1998			TRUE		TRUE					
20405	SRS17571	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	2/26/1981	2/28/2006	9/2/1997	2/28/2006	2/25/1998			TRUE		TRUE					
20406	SRS17572	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/26/1981		9/16/1997		3/11/1998			TRUE		TRUE					
20407	SRS17573	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	2/26/1981		4/8/1998		10/1/1998			TRUE		TRUE					
20408	SRS17574	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/10/1981	5/20/2004	8/27/1997	5/20/2004	2/19/1998			TRUE		TRUE					
20409	SRS17575	SSG	EMPLACED_CNTR	10/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	3/10/1981		9/15/1997		3/10/1998			TRUE		TRUE					
20410	SRS17576	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	3/17/1981		9/3/1997		2/26/1998			TRUE		TRUE					
20411	SRS17577	SSG	EMPLACED_CNTR	10/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	6/5/2006		6/5/2006				TRUE		TRUE					
20412	SRS17579	SSG	PRESUB_CERT		4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	7/2/2007		7/2/2007		NoVent		TRUE	TRUE	TRUE					
20413	SRS17581	SSG	EMPLACED_CNTR	3/14/2011 13:01	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	2/14/2007		2/14/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20414	SRS17583	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	1/5/2006		1/5/2006				TRUE		TRUE					
20415	SRS17585	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	6/6/2006		6/6/2006				TRUE		TRUE					
20416	SRS17587	SSG	EMPLACED_CNTR	5/23/2012 14:50	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	4/17/2008		4/17/2008		NoVent		TRUE	TRUE	TRUE					
20417	SRS17589	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	9/17/2007		9/17/2007				TRUE		TRUE					
20418	SRS17591	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	2/15/2008		2/15/2008				TRUE		TRUE					
20419	SRS17593	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	12/20/2007		12/20/2007				TRUE		TRUE					
20420	SRS17595	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	3/17/1981	11/13/2007		11/13/2007				TRUE		TRUE					
20421	SRS17599	SSG	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	V&P Vent	0	4/9/1981	4/9/1981		3/4/2007				TRUE		TRUE					
20422	SRS18227	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		8/24/1998		2/16/1999			TRUE		TRUE					
20423	SRS18228	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		8/4/1998		1/27/1999			TRUE		TRUE					
20424	SRS18229	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	6/24/1982	4/21/2006	8/26/1998	4/21/2006	2/18/1999			TRUE		TRUE					
20425	SRS18230	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		8/24/1998		2/16/1999			TRUE		TRUE					
20426	SRS18231	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	6/24/1982		7/27/1998		1/19/1999			TRUE		TRUE					
20427	SRS18234	SSG	EMPLACED_CNTR	4/28/2010 22:25	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/1/1982	9/18/2008		9/18/2008				TRUE		TRUE					
20428	SRS18235	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	7/1/1982	7/1/1982		8/12/2007				TRUE		TRUE					
20429	SRS18236	SSG	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/1/1982	2/23/2006		2/23/2006				TRUE		TRUE					
20430	SRS18237	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/1/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20431	SRS18238	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/1/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20432	SRS18239	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/1/1982		7/29/1998		1/21/1999			TRUE		TRUE					
20433	SRS18242	SSG	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	7/15/1982	7/15/1982		2/5/2007				TRUE		TRUE					
20434	SRS18243	SSG	EMPLACED_CNTR	10/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/15/1982	9/10/2007		9/10/2007				TRUE		TRUE					
20435	SRS18244	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	7/15/1982	7/15/1982		8/7/2007				TRUE		TRUE					
20436	SRS18245	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/15/1982	6/5/2006		6/5/2006				TRUE		TRUE					
20437	SRS18246	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	7/15/1982	7/15/1982		6/26/2005				TRUE		TRUE					
20438	SRS18247	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20439	SRS18248	SSG	EMPLACED_CNTR	3/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		9/1/1998		2/24/1999			TRUE		TRUE					
20440	SRS18249	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/15/1982	4/2/2004	9/1/1998	4/2/2004	2/24/1999			TRUE		TRUE					
20441	SRS18250	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		7/22/1998		1/14/1999			TRUE		TRUE					
20442	SRS18251	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20443	SRS18252	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		7/27/1998		1/19/1999			TRUE		TRUE					
20444	SRS18253	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/15/1982		7/23/1998		1/15/1999			TRUE		TRUE					
20445	SRS18255	SSG	EMPLACED_CNTR	11/29/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	7/29/1982	7/29/1982		6/10/2007				TRUE		TRUE					
20446	SRS18256	SSG	EMPLACED_CNTR	4/14/2011 21:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/29/1982	12/7/2007		12/7/2007		NoVent		TRUE	TRUE	TRUE					
20447	SRS18257	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/29/1982	3/4/2008		3/4/2008				TRUE		TRUE					
20448	SRS18258	SSG	EMPLACED_CNTR	2/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/29/1982	5/14/2008		5/14/2008				TRUE		TRUE					
20449	SRS18263	SSG	EMPLACED_CNTR	8/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/7/2008		1/7/2008		7/4/2008			TRUE		TRUE					
20450	SRS18264	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/29/1982	9/13/2007		9/13/2007				TRUE		TRUE					
20451	SRS18260	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/29/1982		7/22/1998		1/14/1999			TRUE		TRUE					
20452	SRS18261	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/29/1982		8/3/1998		1/26/1999			TRUE		TRUE					
20453	SRS18262	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/29/1982		7/29/1998		1/21/1999			TRUE		TRUE					
20454	SRS18263	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/9/1982	7/26/2006		2/26/2008				TRUE		TRUE					
20455	SRS18264	SSG	EMPLACED_CNTR	7/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1982	2/26/2008		2/26/2008				TRUE		TRUE					
20456	SRS18265	SSG	EMPLACED_CNTR	5/15/2012 15:08	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/9/1982	4/2/2008		4/2/2008		NoVent		TRUE	TRUE	TRUE					
20457	SRS18266	SSG	EMPLACED_CNTR	4/17/2010 14:23	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1982	2/26/2008		2/26/2008				TRUE		TRUE					
20458	SRS18267	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1982	2/13/2008		2/13/2008				TRUE		TRUE					
20459	SRS18268	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20460	SRS18269	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1982		7/29/1998		1/21/1999			TRUE		TRUE					
20461	SRS18270	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/9/1982		7/21/1998		1/13/1999			TRUE		TRUE					
20462	SRS18271	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1982		7/23/1998		1/15/1999			TRUE		TRUE					
20463	SRS18272	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1982		7/20/1998		1/12/1999			TRUE		TRUE					
20464	SRS18273	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	11/14/2007		11/14/2007				TRUE		TRUE					
20465	SRS18274	SSG	EMPLACED_CNTR	4/18/2010 11:00	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	1/28/2008		1/28/2008				TRUE		TRUE					
20466	SRS18275	SSG	EMPLACED_CNTR	4/18/2010 11:00	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	10/31/2007		10/31/2007				TRUE		TRUE					
20467	SRS18276	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	12/21/2007		12/21/2007				TRUE		TRUE					
20468	SRS18277	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	1/15/2008		1/15/2008				TRUE		TRUE					
20469	SRS18278	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	2/29/2008		2/29/2008				TRUE		TRUE					
20470	SRS18279	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	4/18/2008		4/18/2008				TRUE		TRUE					
20471	SRS18280	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/24/1982	2/13/2008		2/13/2008				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20472	SR518281	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		7/29/1998		1/21/1999			TRUE		TRUE					
20473	SR518282	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		7/28/1998		1/20/1999			TRUE		TRUE					
20474	SR518283	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		7/29/1998		1/21/1999			TRUE		TRUE					
20475	SR518284	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		7/29/1998		1/13/1999			TRUE		TRUE					
20476	SR518285	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		7/28/1998		1/20/1999			TRUE		TRUE					
20477	SR518286	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/24/1982		8/4/1998		1/27/1999			TRUE		TRUE					
20478	SR518287	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	mccabed	SR-W027-221H-HET	S5440	Remediation	0	8/31/1982	3/15/2011		3/15/2011		NoVent; 09/05/2007 V&P Vent	- Rpkgd into SR518287A	TRUE	TRUE	TRUE					
20479	SR518287A	SSG	EMPLACED_CNTR	2/22/2012 14:53	4/28/2011 6:00	mccabed	SR-W027-221H-HET	S5440			8/31/1982	3/15/2011		3/15/2011		NoVent; 09/05/2007 V&P Vent	- Rpkgd Wst SR518287	TRUE	TRUE	TRUE		SR518287			Daughter
20480	SR518288	SSG	EMPLACED_CNTR	10/7/2010 19:23	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	8/31/1982	8/31/1982		1/15/2008				TRUE		TRUE					
20481	SR518289	SSG	EMPLACED_CNTR	4/25/2010 13:25	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	2/22/2008		2/22/2008				TRUE		TRUE					
20482	SR518290	SSG	EMPLACED_CNTR	2/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	6/10/2008		6/10/2008				TRUE		TRUE					
20483	SR518291	SSG	EMPLACED_CNTR	10/27/2010 19:12	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	5/22/2007		5/22/2007				TRUE		TRUE					
20484	SR518292	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		7/30/1998		1/22/1999			TRUE		TRUE					
20485	SR518293	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		8/27/1998		2/19/1999			TRUE		TRUE					
20486	SR518294	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		8/27/1998		2/19/1999			TRUE		TRUE					
20487	SR518295	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		12/31/1999		6/24/2000			TRUE		TRUE					
20488	SR518296	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	4/2/2004	7/29/1998	4/2/2004	1/21/1999			TRUE		TRUE					
20489	SR518297	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	10/27/2006	8/3/1998	10/27/2006	1/26/1999			TRUE		TRUE					
20490	SR518298	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		8/4/1998		1/27/1999			TRUE		TRUE					
20491	SR518299	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/31/1982	3/13/2004	8/27/1998	3/13/2004	2/19/1999			TRUE		TRUE					
20492	SR518300	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		7/31/1998		1/13/1999			TRUE		TRUE					
20493	SR518346	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	4/20/1982	4/20/1982	9/18/1998	7/3/2005	3/23/1999			TRUE		TRUE					
20494	SR518352	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		9/10/1998		3/5/1999			TRUE		TRUE					
20495	SR518353	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/28/1998		1/12/1999			TRUE		TRUE					
20496	SR518354	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/22/1998		1/14/1999			TRUE		TRUE					
20497	SR518355	SSG	EMPLACED_CNTR	9/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/27/1998		1/19/1999			TRUE		TRUE					
20498	SR518356	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/28/1998		1/20/1999			TRUE		TRUE					
20499	SR518357	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/27/1998		1/19/1999			TRUE		TRUE					
20500	SR518358	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/13/1982		7/27/1998		1/19/1999			TRUE		TRUE					
20501	SR518359	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/13/1982	10/3/2006	9/10/1998	10/3/2006	3/5/1999			TRUE		TRUE					
20502	SR518360	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		p	5/13/1982		9/10/1998		3/5/1999			TRUE		TRUE					
20503	SR518362	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	5/27/1982	5/27/1982		6/10/2007				TRUE		TRUE					
20504	SR518363	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	12/1/2007		12/1/2007				TRUE		TRUE					
20505	SR518364	SSG	EMPLACED_CNTR	10/6/2010 22:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	12/1/2004		12/1/2004				TRUE		TRUE					
20506	SR518365	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	2/18/2008		2/18/2008				TRUE		TRUE					
20507	SR518366	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/13/1998		3/18/1999			TRUE		TRUE					
20508	SR518367	SSG	EMPLACED_CNTR	9/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	4/4/2006	9/2/1998	4/4/2006	2/25/1999			TRUE		TRUE					
20509	SR518368	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/21/1998		3/16/1999			TRUE		TRUE					
20510	SR518369	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	6/20/2004	9/22/1998	6/20/2004	3/17/1999			TRUE		TRUE					
20511	SR518370	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/23/1998		3/18/1999			TRUE		TRUE					
20512	SR518371	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	4/2/2004	9/21/1998	4/2/2004	3/16/1999			TRUE		TRUE					
20513	SR518372	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	7/8/2005	9/22/1998	7/8/2005	3/17/1999			TRUE		TRUE					
20514	SR518373	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	3/5/2004	9/23/1998	3/5/2004	3/18/1999			TRUE		TRUE					
20515	SR518374	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	3/29/2004	9/22/1998	3/29/2004	3/17/1999			TRUE		TRUE					
20516	SR518375	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/22/1998		3/17/1999			TRUE		TRUE					
20517	SR518376	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/21/1998		3/16/1999			TRUE		TRUE					
20518	SR518377	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	3/20/2006	9/21/1998	3/20/2006	3/16/1999			TRUE		TRUE					
20519	SR518378	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/10/1998		3/5/1999			TRUE		TRUE					
20520	SR518380	SSG	EMPLACED_CNTR	7/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	6/20/2004	9/22/1998	6/20/2004	3/17/1999			TRUE		TRUE					
20521	SR518381	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/21/1998		3/16/1999			TRUE		TRUE					
20522	SR518382	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/12/1998		3/17/1999			TRUE		TRUE					
20523	SR518383	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/27/1982	2/14/2004	9/21/1998	2/14/2004	3/16/1999			TRUE		TRUE					
20524	SR518384	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/27/1982		9/22/1998		3/17/1999			TRUE		TRUE					
20525	SR518385	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/3/1998		2/26/1999			TRUE		TRUE					
20526	SR518386	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/2/1998		2/25/1999			TRUE		TRUE					
20527	SR518387	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/8/1998		3/3/1999			TRUE		TRUE					
20528	SR518388	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/2/1998		2/25/1999			TRUE		TRUE					
20529	SR518391	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/2/1998		2/25/1999			TRUE		TRUE					
20530	SR518392	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/3/1998		2/26/1999			TRUE		TRUE					
20531	SR518393	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/2/1998		2/25/1999			TRUE		TRUE					
20532	SR518394	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		8/26/1998		2/18/1999			TRUE		TRUE					
20533	SR518395	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/15/1982	2/19/2006	8/26/1998	2/19/2006	2/18/1999			TRUE		TRUE					
20534	SR518396	SSG	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	6/15/1982		9/3/1998		2/26/1999			TRUE		TRUE					
20535	SR518400	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/31/1982		7/29/1998		1/12/1999			TRUE		TRUE					
20536	SR518537	SSG	EMPLACED_CNTR	3/3/2011 22:40	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/15/1982	2/14/2008		2/14/2008				TRUE		TRUE					
20537	SR518533	SSG	EMPLACED_CNTR	4/25/2010 13:25	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/15/1982	4/25/2008		4/25/2008				TRUE		TRUE					
20538	SR519489	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/4/1998		11/27/1998			TRUE		TRUE					
20539	SR519490	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/4/1998		11/27/1998			TRUE		TRUE					
20540	SR519491	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/10/1998		12/3/1998			TRUE		TRUE					
20541	SR519492	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		7/8/1998		12/31/1998			TRUE		TRUE					
20542	SR519493	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	2/19/2006	6/10/1998	2/19/2006	12/3/1998			TRUE		TRUE					
20543	SR519494	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/4/1998		11/27/1998			TRUE		TRUE					
20544	SR519495	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	3/8/2004	6/4/1998	3/8/2004	11/27/1998			TRUE		TRUE					
20545	SR519496	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/4/1998		11/27/1998			TRUE		TRUE					
20546	SR519497	SSG	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/11/1982		6/4/1998		11/27/1998			TRUE		TRUE					
20547	SR519498	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	3/8/2004	6/4/1998	3/8/2004	11/26/1998			TRUE		TRUE					
20548	SR519803	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	3/26/2007		3/26/2007				TRUE		TRUE					
20549	SR519804	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	11/8/2007		11/8/2007				TRUE		TRUE					
20550	SR519805	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	6/7/2006		6/7/2006				TRUE		TRUE					
20551	SR519806	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	12/26/2007		12/26/2007				TRUE		TRUE					
20552	SR519806A	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	12/26/2007		12/26/2007		6/19/2008			TRUE		TRUE					
20553	SR519807	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	1/24/2008		1/24/2008				TRUE		TRUE					
20554	SR519808	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	11/11/1982	11/11/1982		5/11/2005				TRUE		TRUE					
20555	SR519809	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	1/22/2008		1/22/2008				TRUE		TRUE					
20556	SR519809A	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/22/2008		1/22/2008		7/16/2008			TRUE		TRUE					
20557	SR519810	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/11/1982	2/21/2007		2/21/2007				TRUE		TRUE					
20558	SR519817	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/2/1982	3/15/2004	6/8/1998	3/15/2004	12/1/1998			TRUE		TRUE					
20559	SR519818	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/2/1982	3/1/2006	9/8/1998	3/1/2006	3/3/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20562	SR519819	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	4/10/2008	6/8/1998	4/10/2008	12/1/1998			TRUE		TRUE					
20563	SR519820	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	3/8/2004	6/8/1998	3/8/2004	12/1/1998			TRUE		TRUE					
20564	SR519821	SSG	EMPLACED_CNTR	4/17/2010 14:23	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	5/28/2008	9/8/1998	5/28/2008	3/3/1999			TRUE		TRUE					
20565	SR519822	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/2/1982		6/8/1998		12/2/1998			TRUE		TRUE					
20566	SR519823	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/2/1982		9/8/1998		3/3/1999			TRUE		TRUE					
20567	SR519824	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	10/23/2006	6/8/1998	10/23/2006	12/1/1998			TRUE		TRUE					
20568	SR519825	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/2/1982	11/2/1982	6/8/1998	9/19/2003	12/1/1998			TRUE		TRUE					
20569	SR519826	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/2/1982		6/9/1998		12/2/1998			TRUE		TRUE					
20570	SR519827	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/2/1982		6/8/1998		12/1/1998			TRUE		TRUE					
20571	SR519828	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	6/4/2007		6/4/2007				TRUE		TRUE					
20572	SR519829	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	1/29/2008		1/29/2008				TRUE		TRUE					
20573	SR519830	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	2/19/2008		2/19/2008				TRUE		TRUE					
20574	SR519830A	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	2/19/2008		2/19/2008		8/11/2008			TRUE		TRUE					
20575	SR519831	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	11/1/2007		11/1/2007				TRUE		TRUE					
20576	SR519832	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	11/1/2007		11/1/2007				TRUE		TRUE					
20577	SR519833	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/4/1982		6/3/1998		11/26/1998			TRUE		TRUE					
20578	SR519834	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/4/1982		6/3/1998		11/26/1998			TRUE		TRUE					
20579	SR519835	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/4/1982		6/3/1998		11/26/1998			TRUE		TRUE					
20580	SR519836	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/4/1982	3/18/2008	5/28/1998	3/18/2008	11/20/1998			TRUE		TRUE					
20581	SR519838	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/9/1982	10/31/2004	7/8/1998	10/31/2004	12/11/1998			TRUE		TRUE					
20582	SR519839	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/9/1982		6/15/1998		12/8/1998			TRUE		TRUE					
20583	SR519840	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/9/1982	11/14/2004	6/3/1998	11/14/2004	11/26/1998			TRUE		TRUE					
20584	SR519841	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/9/1982	3/29/2004	7/6/1998	3/29/2004	12/29/1998			TRUE		TRUE					
20585	SR519842	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/9/1982	2/26/2004	7/8/1998	2/26/2004	12/31/1998			TRUE		TRUE					
20586	SR519843	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/9/1982		7/8/1998		12/11/1998			TRUE		TRUE					
20587	SR519844	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/9/1982	9/27/2006	7/8/1998	9/27/2006	12/11/1998			TRUE		TRUE					
20588	SR519850	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	10/19/2007		10/19/2007				TRUE		TRUE					
20589	SR519851	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	10/16/2007		10/16/2007				TRUE		TRUE					
20590	SR519852	SSG	EMPLACED_CNTR	11/23/2010 20:02	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	9/12/2007		9/12/2007				TRUE		TRUE					
20591	SR519853	SSG	EMPLACED_CNTR	1/25/2010 19:40	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	3/3/2008		3/3/2008				TRUE		TRUE					
20592	SR519854	SSG	EMPLACED_CNTR	5/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	12/1/2007		12/1/2007				TRUE		TRUE					
20593	SR519855	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	4/29/2008		4/29/2008				TRUE		TRUE					
20594	SR519856	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/2/1982	4/15/2004	6/25/1998	4/15/2004	12/18/1998			TRUE		TRUE					
20595	SR519857	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/14/1982	4/18/2008		4/18/2008				TRUE		TRUE					
20596	SR519858	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/14/1982	11/14/2007		11/14/2007				TRUE		TRUE					
20597	SR519859	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	9/14/1982	9/14/1982		4/25/2007				TRUE		TRUE					
20598	SR519860	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/14/1982	2/22/2008		2/22/2008				TRUE		TRUE					
20599	SR519861	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	9/14/1982	5/27/2008		5/27/2008		NoVent, 08/16/2007 V&P Vent		TRUE	TRUE	TRUE					
20600	SR519862	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	9/14/1982		6/10/1998		12/3/1998			TRUE		TRUE					
20601	SR519863	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	9/14/1982		6/10/1998		12/3/1998			TRUE		TRUE					
20602	SR519864	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	9/14/1982		6/22/1998		12/15/1998			TRUE		TRUE					
20603	SR519865	SSG	EMPLACED_CNTR	1/26/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/5/1982	2/14/2008		2/14/2008				TRUE		TRUE					
20604	SR519866	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/5/1982	9/19/2007		9/19/2007				TRUE		TRUE					
20605	SR519867	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/5/1982	10/18/2007		10/18/2007				TRUE		TRUE					
20606	SR519868	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		6/8/1998		12/1/1998			TRUE		TRUE					
20607	SR519869	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		7/6/1998		12/29/1998			TRUE		TRUE					
20608	SR519870	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		7/6/1998		12/29/1998			TRUE		TRUE					
20609	SR519871	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		6/8/1998		12/1/1998			TRUE		TRUE					
20610	SR519872	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		6/8/1998		12/1/1998			TRUE		TRUE					
20611	SR519873	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/5/1982		6/25/1998		12/18/1998			TRUE		TRUE					
20612	SR519874	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/5/1982	3/27/2004	7/6/1998	3/27/2004	12/29/1998			TRUE		TRUE					
20613	SR519879	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	2/13/2008		2/13/2008				TRUE		TRUE					
20614	SR519879A	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	2/13/2008		2/13/2008		8/7/2008			TRUE		TRUE					
20615	SR519880	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	2/25/2008		2/25/2008				TRUE		TRUE					
20616	SR519881	SSG	EMPLACED_CNTR	3/13/2010 18:47	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	5/27/2008		5/27/2008				TRUE		TRUE					
20617	SR519882	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/2/1982	11/2/1982		6/30/2004				TRUE		TRUE					
20618	SR519883	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/2/1982	2/26/2008		2/26/2008				TRUE		TRUE					
20619	SR519883A	SSG	EMPLACED_CNTR	4/12/2010 22:22	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	2/26/2008		2/26/2008		8/20/2008			TRUE		TRUE					
20620	SR519884	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	10/28/1982	10/28/1982		6/26/2004				TRUE		TRUE					
20621	SR519885	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	10/28/1982	10/28/1982		12/6/2006				TRUE		TRUE					
20622	SR519886	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Purge	0	10/28/1982	10/28/1982		6/27/2004				TRUE		TRUE					
20623	SR519887	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/28/1982	4/19/2004	8/11/1998	4/19/2004	2/3/1999			TRUE		TRUE					
20624	SR518888	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		8/12/1998		2/4/1999			TRUE		TRUE					
20625	SR518889	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		8/3/1998		1/26/1999			TRUE		TRUE					
20626	SR519890	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/28/1982	11/10/2006	7/20/1998	11/10/2006	1/12/1999			TRUE		TRUE					
20627	SR519891	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		8/11/1998		2/3/1999			TRUE		TRUE					
20628	SR519892	SSG	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		7/16/1998		1/19/1999			TRUE		TRUE					
20629	SR519893	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		8/3/1998		1/19/1999			TRUE		TRUE					
20630	SR519894	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		8/3/1998		1/26/1999			TRUE		TRUE					
20631	SR519895	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	10/28/1982	12/14/2006	8/11/1998	12/14/2006	3/3/1999			TRUE		TRUE					
20632	SR519896	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		7/21/1998		1/13/1999			TRUE		TRUE					
20633	SR519897	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	10/28/1982		7/21/1998		1/13/1999			TRUE		TRUE					
20634	SR520315	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		6/10/1998		12/3/1998			TRUE		TRUE					
20635	SR520316	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		6/2/1998		11/25/1998			TRUE		TRUE					
20636	SR520317	SSG	EMPLACED_CNTR	3/14/2011 23:01	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/16/1982	5/29/2008	9/8/1998	5/29/2008	3/3/1999	WWS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20637	SR520317A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	5/29/2008		5/29/2008		11/21/2008			TRUE		TRUE					
20638	SR520318	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		8/1/1998		11/24/1998			TRUE		TRUE					
20639	SR520319	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		6/10/1998		12/3/1998			TRUE		TRUE					
20640	SR520320	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/16/1982	3/1/2006	6/10/1998	3/1/2006	12/3/1998			TRUE		TRUE					
20641	SR520320A	SSG	EMPLACED_CNTR	4/4/2013 15:25	3/15/2012 20:47	mccasped	SR-W027-221H-HET	SS440			3/1/2006	3/10/2012	3/1/2006	3/10/2012		SWM1-HET-A: Tru Drum repacking 231-F-55006	SWD061025 re-named and WS reassigned from SR-	TRUE	FALSE	TRUE					
20642	SR520321	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		6/2/1998		11/25/1998			TRUE		TRUE					
20643	SR520322	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440		0	11/16/1982		6/3/1998		11/26/1998			TRUE		TRUE					
20644	SR520323	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/16/1982	6/16/2006	9/8/1998	6/16/2006	3/4/1999			TRUE		TRUE					
20645	SR520324	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	V&P Vent	0	11/16/1982	11/16/1982	7/6/1998	11/14/2006	12/29/1998			TRUE		TRUE					
20646	SR520325	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/23/1982	4/10/2007		4/10/2007				TRUE		TRUE					
20647	SR520326	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/23/1982	12/26/2007		12/26/2007				TRUE		TRUE					
20648	SR520327	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	SS440	Remediate	1	11/23/1982	3/21/2007		3/21/2007				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20647	SRS20328	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/23/1982	1/21/2008		1/21/2008				TRUE		TRUE					
20648	SRS20329	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	11/23/1982	11/23/1982		4/14/2007				TRUE		TRUE					
20649	SRS20330	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	11/23/1982		6/3/1996		11/26/1998			TRUE		TRUE					
20650	SRS20331	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/7/1982	2/27/2008		2/27/2008				TRUE		TRUE					
20651	SRS20332	SSG	EMPLACED_CNTR	3/14/2011 23:01	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/7/1982	4/28/2008		4/28/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20652	SRS20333	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/7/1982	12/7/1982		1/21/2008				TRUE		TRUE					
20653	SRS20334	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/7/1982	1/17/2008		1/17/2008				TRUE		TRUE					
20654	SRS20335	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	12/7/1982		6/9/1996		12/1/1996			TRUE		TRUE					
20655	SRS20336	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/7/1982	6/4/2006	9/8/1998	8/4/2006	3/3/1999			TRUE		TRUE					
20656	SRS20337	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/14/1982	5/7/2008		5/7/2008				TRUE		TRUE					
20657	SRS20338	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/14/1982	12/14/1982		7/16/2004				TRUE		TRUE					
20658	SRS20339	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/14/1982	12/14/1982		7/15/2004				TRUE		TRUE					
20659	SRS20340	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/14/1982	7/7/2006		7/7/2006				TRUE		TRUE					
20660	SRS20341	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/14/1982	4/18/2008		4/18/2008				TRUE		TRUE					
20661	SRS20342	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/14/1982	4/16/2006	7/8/1996	4/16/2006	12/31/1998			TRUE		TRUE					
20662	SRS20343	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/14/1982	6/17/2006	4/15/1998	6/17/2006	12/8/1998			TRUE		TRUE					
20663	SRS20344	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	12/14/1982		6/11/1998		12/4/1998			TRUE		TRUE					
20664	SRS20345	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/11/1983	1/11/1983		10/16/2004				TRUE		TRUE					
20665	SRS20346	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/11/1983	1/11/1983		1/25/2007				TRUE		TRUE					
20666	SRS20347	SSG	EMPLACED_CNTR	9/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	1/11/1983	1/11/1983		7/25/2004				TRUE		TRUE					
20667	SRS20348	SSG	EMPLACED_CNTR	4/25/2010 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	12/16/1982	12/16/1982		9/17/2007				TRUE		TRUE					
20668	SRS20349	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/16/1982	3/12/2004	6/18/1998	3/12/2004	12/11/1998			TRUE		TRUE					
20669	SRS20350	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/16/1982	3/6/2004	7/30/1998	3/6/2004	1/22/1999			TRUE		TRUE					
20670	SRS20352	SSG	EMPLACED_CNTR	4/3/2011 11:16	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/11/1983	5/5/2008		5/5/2008		NoVent		TRUE	TRUE	TRUE					
20671	SRS20353	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/11/1983	1/11/1983		7/16/2004				TRUE		TRUE					
20672	SRS20354	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/11/1983	1/11/1983		7/16/2004				TRUE		TRUE					
20673	SRS20355	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/11/1983	1/23/2007		1/23/2007				TRUE		TRUE					
20674	SRS20356	SSG	EMPLACED_CNTR	10/9/2011 10:54	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/11/1983	1/11/1983		2/8/2007		NoVent		TRUE	TRUE	TRUE					
20675	SRS20357	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/11/1983		6/15/1998		12/8/1998			TRUE		TRUE					
20676	SRS20358	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/11/1983		7/30/1998		1/22/1999			TRUE		TRUE					
20677	SRS20359	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/11/1983		9/16/1998		3/11/1999			TRUE		TRUE					
20678	SRS20360	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/11/1983	2/20/2006	7/30/1998	2/20/2006	1/22/1999			TRUE		TRUE					
20679	SRS20361	SSG	EMPLACED_CNTR	10/9/2011 10:54	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/11/1983	5/22/2008		5/22/2008		NoVent		TRUE	TRUE	TRUE					
20680	SRS20362	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/11/1983	5/21/2008		5/21/2008		NoVent		TRUE	TRUE	TRUE					
20681	SRS20363	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	1/13/1983	1/13/1983		3/23/2008				TRUE		TRUE					
20682	SRS20364	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	1/13/1983	1/13/1983		9/17/2007				TRUE		TRUE					
20683	SRS20365	SSG	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/13/1983	1/22/2006	6/18/1998	1/22/2006	12/11/1998			TRUE		TRUE					
20684	SRS20366	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/18/1983	5/20/2008		5/20/2008				TRUE		TRUE					
20685	SRS20368	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	1/18/1983	1/12/2008		1/12/2008				TRUE		TRUE					
20686	SRS20602	SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/1/1983	4/23/2008		4/23/2008				TRUE		TRUE					
20687	SRS20603	SSG	EMPLACED_CNTR	10/9/2011 10:55	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	2/1/1983	2/1/1983		8/8/2007		NoVent		TRUE	TRUE	TRUE					
20688	SRS20604	SSG	EMPLACED_CNTR	2/12/2011 14:53	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	2/1/1983	2/1/1983		8/8/2007		NoVent		TRUE	TRUE	TRUE					
20689	SRS20605	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	2/1/1983	2/1/1983		5/23/2007				TRUE		TRUE					
20690	SRS20606	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/1/1983	3/10/2004	9/15/1998	3/10/2004	3/10/1999			TRUE		TRUE					
20691	SRS20607	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/1/1983	12/4/2006	7/16/1998	12/6/2006	1/8/1999			TRUE		TRUE					
20692	SRS20608	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	2/1/1983	8/15/2008	9/15/1998	8/15/2006	3/10/1999			TRUE		TRUE					
20693	SRS20614	SSG	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	2/24/1983	2/24/1983		9/4/2007		NoVent; 01/12/08 V&P Vent--not processed to preserve later purge DAC date		TRUE	TRUE	TRUE					
20694	SRS20615	SSG	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	2/24/1983	2/24/1983		1/15/2008		NoVent; 09/04/2007 V&P Vent		TRUE	TRUE	TRUE					
20695	SRS20616	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	2/24/1983	2/24/1983		7/10/2007				TRUE		TRUE					
20696	SRS20617	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/24/1983		7/14/1998		1/4/1999			TRUE		TRUE					
20697	SRS20618	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/24/1983		7/16/1998		1/8/1999			TRUE		TRUE					
20698	SRS20619	SSG	EMPLACED_CNTR	10/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	2/24/1983		9/14/1998		3/9/1999			TRUE		TRUE					
20699	SRS20621	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/1/1983	3/1/1983		8/8/2007				TRUE		TRUE					
20700	SRS20622	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/1/1983	3/1/1983		11/25/2007				TRUE		TRUE					
20701	SRS20623	SSG	EMPLACED_CNTR	9/7/2010 11:54	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/1/1983	3/1/1983		11/29/2007				TRUE		TRUE					
20702	SRS20624	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/1/1983		9/14/1998		3/9/1999			TRUE		TRUE					
20703	SRS20625	SSG	EMPLACED_CNTR	3/23/2010 18:47	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/8/1982	4/23/2008		4/23/2008				TRUE		TRUE					
20704	SRS20626	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/8/1983	3/8/1983		8/2/2007				TRUE		TRUE					
20705	SRS20627	SSG	EMPLACED_CNTR	4/25/2010 13:25	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/8/1983	4/24/2008		4/24/2008				TRUE		TRUE					
20706	SRS20628	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/8/1983	3/8/1983		7/16/2004				TRUE		TRUE					
20707	SRS20629	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/8/1983		7/9/1998		1/1/1999			TRUE		TRUE					
20708	SRS20630	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		7/15/1998		1/7/1999			TRUE		TRUE					
20709	SRS20631	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		7/28/1998		1/20/1999			TRUE		TRUE					
20710	SRS20632	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		7/16/1998		1/8/1999			TRUE		TRUE					
20711	SRS20633	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/17/1983	4/17/2006	7/28/1998	4/17/2006	1/20/1999			TRUE		TRUE					
20712	SRS20634	SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		9/14/1998		3/9/1999			TRUE		TRUE					
20713	SRS20635	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		9/14/1998		3/11/1999			TRUE		TRUE					
20714	SRS20636	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/17/1983		7/9/1998		1/1/1999			TRUE		TRUE					
20715	SRS20637	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/17/1983	3/22/2006	7/9/1998	3/22/2006	1/1/1999			TRUE		TRUE					
20716	SRS20638	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/24/1983		6/22/1998		12/15/1998			TRUE		TRUE					
20717	SRS20639	SSG	EMPLACED_CNTR	8/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/24/1983		9/14/1998		3/9/1999			TRUE		TRUE					
20718	SRS20640	SSG	EMPLACED_CNTR	5/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/24/1983	3/4/2004	6/22/1998	3/4/2004	12/15/1998			TRUE		TRUE					
20719	SRS20641	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/24/1983		6/25/1998		12/18/1998			TRUE		TRUE					
20720	SRS20816	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/29/1983	3/29/1983		12/3/2007				TRUE		TRUE					
20721	SRS20817	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1983	7/3/2006	7/3/2006	7/3/2006	12/26/2006			TRUE		TRUE					
20722	SRS20818	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/29/1983	3/29/1983		7/21/2004				TRUE		TRUE					
20723	SRS20819	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1983	11/15/2004		11/15/2004				TRUE		TRUE					
20724	SRS20820	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	3/29/1983	3/29/1983		7/14/2004				TRUE		TRUE					
20725	SRS20821	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1983	3/21/2006	5/26/1998	3/21/2006	11/20/1998			TRUE		TRUE					
20726	SRS20822	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20727	SRS20823	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		5/27/1998		11/19/1998			TRUE		TRUE					
20728	SRS20824	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20729	SRS20825	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20730	SRS20826	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		5/19/1998		11/11/1998			TRUE		TRUE					
20731	SRS20827	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		5/27/1998		11/19/1998			TRUE		TRUE					
20732	SRS20828	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		4/1/1998		9/25/1998			TRUE		TRUE					
20733	SRS20829	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/12/1983		7/7/1998		12/30/1998			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20714	SRS20830		55G	EMPLACED_CNTR	10/17/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/12/1983		5/27/1998		11/19/1998			TRUE		TRUE					
20715	SRS20831		55G	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	8/13/2006		8/13/2006			TRUE		TRUE					
20716	SRS20832		55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	9/29/2006		9/29/2006			TRUE		TRUE					
20717	SRS20833		55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	1/16/2007		1/16/2007			TRUE		TRUE					
20718	SRS20834		55G	EMPLACED_CNTR	9/23/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	3/12/2007		3/12/2007			TRUE		TRUE					
20719	SRS20835		55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	1/24/2008		1/24/2008			TRUE		TRUE					
20740	SRS20836		55G	EMPLACED_CNTR	5/23/2012 14:50	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	2/27/2008		2/27/2008		NoVent	TRUE	TRUE	TRUE						
20741	SRS20837		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20742	SRS20838		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20743	SRS20839		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20744	SRS20840		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1983		5/21/1998		11/13/1998			TRUE		TRUE					
20745	SRS20841		55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/14/1983	4/19/2004	4/6/1998	4/19/2004	9/29/1998		TRUE		TRUE					
20746	SRS20842		55G	EMPLACED_CNTR	10/18/2011 14:40	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/19/1983	1/13/2011		1/13/2011		NoVent, 09/27/2007 V&P Vent	TRUE	TRUE	TRUE						
20747	SRS20842A		55G	EMPLACED_CNTR	5/15/2012 15:08	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WQ27-221H-HET	55440		0	1/13/2011		1/13/2011	7/8/2011			TRUE	TRUE	TRUE					
20748	SRS20843		55G	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/19/1983	10/31/2007		10/31/2007			TRUE		TRUE					
20749	SRS20844		55G	EMPLACED_CNTR	9/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/19/1983	1/18/2008		1/18/2008			TRUE		TRUE					
20750	SRS20845		55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/19/1983	5/29/2008		5/29/2008			TRUE		TRUE					
20751	SRS20846		55G	EMPLACED_CNTR	6/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	4/19/1983	4/19/1983		1/23/2006			TRUE		TRUE					
20752	SRS20850		55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/28/1983	3/24/2008		3/24/2008			TRUE		TRUE					
20753	SRS20851		55G	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/28/1983	4/28/1983		7/19/2004			TRUE		TRUE					
20754	SRS20852		55G	EMPLACED_CNTR	10/27/2011 12:57	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/28/1983	5/8/2008		5/8/2008		NoVent	TRUE	TRUE	TRUE						
20755	SRS20853		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/28/1983		7/7/1998		12/30/1998			TRUE		TRUE					
20756	SRS20854		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/28/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20757	SRS20855		55G	EMPLACED_CNTR	2/9/2008	5/1/2013 13:15	mccabed	SR-WQ27-221H-HET	55440	Remediate	1	4/28/1983	10/24/2007	11/23/1998	10/24/2007		Changed container type per LWatson 050113	TRUE	FALSE	TRUE						
20758	SRS20856		55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/28/1983	11/13/2006	5/21/1998	11/13/2006	11/13/1998		TRUE		TRUE					
20759	SRS20860		55G	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	5/14/2008		5/14/2008			TRUE		TRUE					
20760	SRS20861		55G	EMPLACED_CNTR	1/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	6/16/1983	6/16/1983		8/1/2007			TRUE		TRUE					
20761	SRS20862		55G	EMPLACED_CNTR	4/11/2010 21:18	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	4/9/2008		4/9/2008			TRUE		TRUE					
20762	SRS20863		55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	4/2/2008		4/2/2008			TRUE		TRUE					
20763	SRS20864		55G	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	6/16/1983	6/16/1983		11/4/2007			TRUE		TRUE					
20764	SRS20870		55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	5/17/1983	5/17/1983		7/17/2006			TRUE		TRUE					
20765	SRS20871		55G	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/17/1983	7/27/2007		7/27/2007			TRUE		TRUE					
20766	SRS20872		55G	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/17/1983	6/30/2006	6/30/2006	6/30/2006	12/23/2006		TRUE		TRUE					
20767	SRS20873		55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	5/17/1983	5/17/1983		6/23/2004			TRUE		TRUE					
20768	SRS20874		55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/17/1983	2/24/2006	9/15/1998	2/24/2006	3/10/1999		TRUE		TRUE					
20769	SRS20875		55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/17/1983		6/17/1998		12/10/1998			TRUE		TRUE					
20770	SRS20877		55G	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/17/1983	2/20/2006	6/22/1998	2/20/2006	12/15/1998		TRUE		TRUE					
20771	SRS20878		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/17/1983		9/15/1998		3/10/1999			TRUE		TRUE					
20772	SRS20879		55G	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	5/17/1983	5/17/1983	8/11/1998	10/30/2006	2/3/1999		TRUE		TRUE					
20773	SRS20880		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/17/1983		6/25/1998		12/18/1998			TRUE		TRUE					
20774	SRS20881		55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	11/7/2006	6/17/1998	11/7/2006	12/10/1998		TRUE		TRUE					
20775	SRS20882		55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	6/16/1983		5/28/1998		11/20/1998			TRUE		TRUE					
20776	SRS20883		55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	6/16/1983		7/14/1998		1/8/1999			TRUE		TRUE					
20777	SRS20884		55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	6/16/1983		7/6/1998		12/29/1998			TRUE		TRUE					
20778	SRS20886		55G	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	3/4/2004	6/24/1998	3/4/2004	12/17/1998		TRUE		TRUE					
20779	SRS20887		55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	3/8/2004	7/15/1998	3/8/2004	1/7/1999		TRUE		TRUE					
20780	SRS20888		55G	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	6/16/1983	3/8/2004	6/10/1998	3/8/2004	12/3/1998		TRUE		TRUE					
20781	SRS20889		55G	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	6/16/1983		6/11/1998		12/4/1998			TRUE		TRUE					
20782	SRS20890		55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	6/16/1983		6/18/1998		12/11/1998			TRUE		TRUE					
20783	SRS21376		55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	8/5/2004		8/5/2004			TRUE		TRUE					
20784	SRS21377		55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	8/4/2004		8/4/2004			TRUE		TRUE					
20785	SRS21378		55G	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	8/5/2004		8/5/2004			TRUE		TRUE					
20786	SRS21379		55G	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	9/15/1983	9/15/1983		6/23/2004			TRUE		TRUE					
20787	SRS21380		55G	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	5/18/2007		5/18/2007			TRUE		TRUE					
20788	SRS21381		55G	EMPLACED_CNTR	11/12/2009 13:18	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	5/13/2008		5/13/2008			TRUE		TRUE					
20789	SRS21382		55G	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	9/15/1983	9/15/1983		9/21/2007			TRUE		TRUE					
20790	SRS21383		55G	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	9/15/1983	9/15/1983		4/1/2007			TRUE		TRUE					
20791	SRS21384		55G	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	9/15/1983	9/15/1983		9/20/2007			TRUE		TRUE					
20792	SRS21385		55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	9/15/1983		7/6/1998	12/29/1998			TRUE		TRUE					
20793	SRS21390		55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	9/15/1983	3/4/2004	6/22/1998	3/4/2004	12/15/1998		TRUE		TRUE					
20794	SRS21390A		55G	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1		3/4/2004		3/4/2004			TRUE		TRUE					
20795	SRS21393		55G	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	10/27/1983	10/27/1983		7/15/2004			TRUE		TRUE					
20796	SRS21394		55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	10/27/1983	4/22/2008		4/22/2008		NoVent	TRUE	TRUE	TRUE						
20797	SRS21395		55G	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	10/27/1983	10/27/1983		9/20/2007			TRUE		TRUE					
20798	SRS21396		55G	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	10/27/1983	10/27/1983		2/27/2007			TRUE		TRUE					
20799	SRS21397		55G	EMPLACED_CNTR	10/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/27/1983		5/26/1998		11/18/1998			TRUE		TRUE					
20800	SRS21398		55G	EMPLACED_CNTR	10/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/27/1983		5/11/1998		11/3/1998			TRUE		TRUE					
20801	SRS21315		55G	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/20/1983	2/20/2008		2/20/2008			TRUE		TRUE					
20802	SRS21316		55G	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/20/1983	2/25/2008		2/29/2008			TRUE		TRUE					
20803	SRS21317		55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	12/20/1983	12/20/1983		6/12/2004			TRUE		TRUE					
20804	SRS22318		55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	12/20/1983	12/20/1983		1/22/2008			TRUE		TRUE					
20805	SRS22321		55G	EMPLACED_CNTR	3/29/2010 13:46	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	12/20/1983	12/20/1983		1/31/2008			TRUE		TRUE					
20806	SRS22322		55G	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	12/29/1983	12/29/1983		6/12/2004			TRUE		TRUE					
20807	SRS22324		55G	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/22/1983	2/29/2004	8/11/1997	2/29/2004	2/3/1998										
20808	SRS22324A		55G	EMPLACED_CNTR	4/4/2013 15:25	3/19/2012 16:06	mccabed	SR-WQ27-221H-HET	55440	Remediation		2/29/2004	3/14/2012	2/29/2004	3/14/2012		SWD06 1052 re-named and W's reassigned from SR-SWMF-HET-A	TRUE	FALSE	TRUE						
20809	SRS22325		55G	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/22/1983		8/4/1997	1/27/1998			TRUE		TRUE					
20810	SRS22326		55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	12/22/1983	3/27/2006	8/4/1997	3/27/2006	1/29/1998		TRUE		TRUE					
20811	SRS22327		55G	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/22/1983		8/5/1997	1/28/1998			TRUE		TRUE					
20812	SRS22329		55G	EMPLACED_CNTR	4/18/2010 13:18	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/26/1984	2/12/2008		2/12/2008			TRUE		TRUE					
20813	SRS22330		55G	EMPLACED_CNTR	3/17/2011 13:22	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	1/26/1984	1/26/1984		11/13/2007		WWIS_Status APPROVED_CERT	TRUE	TRUE	TRUE						
20814	SRS22332		55G	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/26/1984	4/29/2008		4/29/2008			TRUE		TRUE					
20815	SRS22333		55G	EMPLACED_CNTR	5/15/2011 14:32	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	1/26/1984	1/26/1984		6/13/2004		WWIS_Status APPROVED_CERT	TRUE	TRUE	TRUE						
20816	SRS22334		55G	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/26/1984	12/1/2007		12/1/2007			TRUE		TRUE					
20817	SRS22336		55G	EMPLACED_CNTR	1/26/2010 22:43	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	11/17/1983	11/17/1983		9/11/2007			TRUE		TRUE					
20818	SRS22337		55G	EMPLACED_CNTR	2/25/2012 12:56	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	11/17/1983	11/17/1983		9/12/2007		NoVent	TRUE	TRUE	TRUE						
20819	SRS22338		55G	EMPLACED_CNTR	10/25/2011 13:49	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	11/17/1983	11/17/1983		1/31/2008		NoVent, 09/01/2007 V&P Vent	TRUE	TRUE	TRUE						
20820	SRS22339		55G	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	11/17/1983	4/16/2008		4/16/2008			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20871	SR522340	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	11/17/1983		7/30/1997		1/22/1998			TRUE		TRUE					
20872	SR522341	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	11/17/1983		7/30/1997		1/22/1998			TRUE		TRUE					
20873	SR522342	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	11/17/1983		7/30/1997		1/22/1998			TRUE		TRUE					
20874	SR522346	SSG	EMPLACED_CNTR	8/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/31/1984		7/24/1997		1/16/1998			TRUE		TRUE					
20875	SR522347	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/31/1984	3/31/2004	7/24/1997	3/31/2004	1/16/1998			TRUE		TRUE					
20876	SR522348	SSG	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/31/1984		7/24/1997		1/16/1998			TRUE		TRUE					
20877	SR522385	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/31/1984	3/16/2004	7/24/1997	3/16/2004	1/16/1998			TRUE		TRUE					
20878	SR522394	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	10/27/1983	2/1/2006	4/6/1998	2/1/2006	9/29/1998			TRUE		TRUE					
20879	SR522396	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	10/27/1983	3/7/2004	5/11/1998	3/7/2004	11/3/1998			TRUE		TRUE					
20880	SR522503	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/30/1997		1/22/1998			TRUE		TRUE					
20881	SR522504	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/30/1997		1/22/1998			TRUE		TRUE					
20882	SR522505	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/29/1997		1/21/1998			TRUE		TRUE					
20883	SR522506	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/4/1997		1/27/1998			TRUE		TRUE					
20884	SR522507	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/29/1997		1/21/1998			TRUE		TRUE					
20885	SR522508	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	2/28/2004	8/4/1997	2/28/2004	1/27/1998			TRUE		TRUE					
20886	SR522509	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/29/1997		1/21/1998			TRUE		TRUE					
20887	SR522510	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	2/28/2004	8/11/1997	2/28/2004	2/6/1998			TRUE		TRUE					
20888	SR522511	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/31/1997		1/23/1998			TRUE		TRUE					
20889	SR522512	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/30/1997		1/22/1998			TRUE		TRUE					
20840	SR522513	SSG	EMPLACED_CNTR	6/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	2/27/2004	8/4/1997	2/27/2004	1/27/1998			TRUE		TRUE					
20841	SR522514	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	4/2/2004	7/29/1997	4/2/2004	1/21/1998			TRUE		TRUE					
20842	SR522515	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	3/31/2006	7/29/1997	3/31/2006	1/21/1998			TRUE		TRUE					
20843	SR522516	SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		7/30/1997		1/22/1998			TRUE		TRUE					
20844	SR522517	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/6/1997		1/29/1998			TRUE		TRUE					
20845	SR522518	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	2/27/2004	8/4/1997	2/27/2004	1/27/1998			TRUE		TRUE					
20846	SR522519	SSG	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/11/1997		2/3/1998			TRUE		TRUE					
20847	SR522520	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	9/24/2006	7/29/1997	9/24/2006	1/21/1998			TRUE		TRUE					
20848	SR522521	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/4/1997		1/27/1998			TRUE		TRUE					
20849	SR522522	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/6/1997		1/29/1998			TRUE		TRUE					
20850	SR522523	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	2/27/2006	7/30/1997	2/27/2006	1/22/1998			TRUE		TRUE					
20851	SR522524	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	4/15/2006	7/29/1997	4/15/2006	1/21/1998			TRUE		TRUE					
20852	SR522526	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/17/1984	10/30/2004	8/6/1997	10/30/2004	1/27/1998			TRUE		TRUE					
20853	SR522527	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/17/1984		8/4/1997		1/27/1998			TRUE		TRUE					
20854	SR522529	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	1/30/1984	2/27/2004	7/24/1997	2/27/2004	1/16/1998			TRUE		TRUE					
20855	SR522532	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	1/30/1984		7/28/1997		1/29/1998			TRUE		TRUE					
20856	SR522537	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	2/14/1984	12/21/2006		12/11/2006				TRUE		TRUE					
20857	SR522538	SSG	EMPLACED_CNTR	4/15/2010 11:50	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	2/14/1984	2/14/1984		1/27/2008				TRUE		TRUE					
20858	SR522539	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	2/14/1984	2/14/1984		1/27/2008				TRUE		TRUE					
20859	SR522540	SSG	EMPLACED_CNTR	3/13/2010 18:47	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	2/14/1984	5/27/2008		5/27/2008				TRUE		TRUE					
20860	SR522541	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	2/14/1984	9/26/2006	8/5/1997	9/26/2006	1/28/1998			TRUE		TRUE					
20861	SR522542	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	2/14/1984	3/5/2004	8/5/1997	3/5/2004	1/28/1998			TRUE		TRUE					
20862	SR522543	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	2/14/1984	3/31/2004	7/30/1997	3/31/2004	1/22/1998			TRUE		TRUE					
20863	SR522547	SSG	EMPLACED_CNTR	4/25/2010 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/10/1984	4/10/1984		9/18/2007				TRUE		TRUE					
20864	SR522548	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/10/1984	4/10/1984		12/19/2007				TRUE		TRUE					
20865	SR522549	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/10/1984	4/10/1984		6/23/2004				TRUE		TRUE					
20866	SR522550	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/10/1984	4/10/1984		9/18/2007				TRUE		TRUE					
20867	SR522551	SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/10/1984	5/16/2008		5/16/2008				TRUE		TRUE					
20868	SR522552	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/26/1984	4/26/1984		3/31/2007				TRUE		TRUE					
20869	SR522553	SSG	EMPLACED_CNTR	1/26/2010 23:03	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/26/1984	4/26/1984		4/12/2007				TRUE		TRUE					
20870	SR522554	SSG	EMPLACED_CNTR	1/26/2010 22:42	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	4/26/1984	4/26/1984		3/31/2007				TRUE		TRUE					
20871	SR522555	SSG	EMPLACED_CNTR	4/22/2010 19:18	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/26/1984	4/26/1984		11/1/2007				TRUE		TRUE					
20872	SR522556	SSG	EMPLACED_CNTR	9/7/2010 21:54	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	4/26/1984	4/26/1984		6/23/2004				TRUE		TRUE					
20873	SR522557	SSG	EMPLACED_CNTR	4/15/2010 21:50	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/26/1984							TRUE		TRUE					
20874	SR522558	SSG	EMPLACED_CNTR	11/20/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/26/1984							TRUE		TRUE					
20875	SR522559	SSG	EMPLACED_CNTR	11/11/2009 14:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	4/26/1984	4/26/1984		6/23/2004				TRUE		TRUE					
20876	SR522560	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	4/26/1984	4/26/1984		3/16/2004				TRUE		TRUE					
20877	SR522561	SSG	EMPLACED_CNTR	1/26/2010 21:42	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	4/26/1984	4/26/1984		3/16/2004				TRUE		TRUE					
20878	SR522562	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	4/26/1984	3/29/2004	8/12/1997	3/29/2004	2/4/1998			TRUE		TRUE					
20879	SR522563	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/26/1984		8/13/1997		2/5/1998			TRUE		TRUE					
20880	SR522564	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	4/26/1984		8/13/1997		2/5/1998			TRUE		TRUE					
20881	SR522565	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	5/22/1984	5/22/1984		12/5/2006				TRUE		TRUE					
20882	SR522566	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	5/22/1984	5/22/1984		6/10/2004				TRUE		TRUE					
20883	SR522567	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	5/22/1984	5/22/1984		6/10/2004				TRUE		TRUE					
20884	SR522568	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	5/22/1984	5/22/1984		6/10/2004				TRUE		TRUE					
20885	SR522569	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	5/22/1984	5/22/1984		6/22/2004				TRUE		TRUE					
20886	SR522570	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	5/22/1984	5/22/1984		6/10/2004				TRUE		TRUE					
20887	SR522571	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	5/22/1984	5/22/1984		7/16/2004				TRUE		TRUE					
20888	SR522572	SSG	EMPLACED_CNTR	6/30/1806	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	5/22/1984	5/22/1984		6/9/2004				TRUE		TRUE					
20889	SR522573	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	5/22/1984		7/21/1997		1/13/1998			TRUE		TRUE					
20890	SR522574	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	5/22/1984	5/26/2006	7/17/1997	5/26/2006	1/9/1998			TRUE		TRUE					
20891	SR522575	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Purge	0	6/7/1984	6/7/1984		6/12/2004				TRUE		TRUE					
20892	SR522576	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	6/7/1984	3/6/2007	5/13/2004	3/6/2007	11/5/2004			TRUE		TRUE					
20893	SR522577	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	6/7/1984	7/2/2007		7/2/2007				TRUE		TRUE					
20894	SR522578	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	V&P Vent	0	6/7/1984	6/7/1984		5/11/2004				TRUE		TRUE					
20895	SR522579	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/17/1997		1/9/1998			TRUE		TRUE					
20896	SR522580	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/16/1997		1/8/1998			TRUE		TRUE					
20897	SR522581	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/16/1997		1/8/1998			TRUE		TRUE					
20898	SR522582	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	6/7/1984	10/31/2004	7/16/1997	10/31/2004	1/8/1998			TRUE		TRUE					
20899	SR522583	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/16/1997		1/8/1998			TRUE		TRUE					
20900	SR522584	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/14/1997		1/6/1998			TRUE		TRUE					
20901	SR522585	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	6/7/1984	3/15/2004	7/16/1997	3/15/2004	1/8/1998			TRUE		TRUE					
20902	SR522586	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/16/1997		1/8/1998			TRUE		TRUE					
20903	SR522587	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/15/1997		1/7/1998			TRUE		TRUE					
20904	SR522588	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	6/7/1984		7/17/1997		1/9/1998			TRUE		TRUE					
20905	SR522595	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	8/2/1984		6/25/1997		12/18/1997		- Rangd was SR522599	TRUE		TRUE			SR522599		Repack
20906	SR522998	SWB			3/6/2013 14:02	mcaebed	SR-W027-221H-NET	SS440	None	0	2/8/2013		2/8/2013					TRUE	TRUE	TRUE					
20907	SR522982	SSG	EMPLACED_CNTR	10/29/2010 14:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440		0	8/2/1984		9/24/1997		3/19/1998			TRUE		TRUE					
20908	SR522983	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-NET	SS440	Remediate	1	8/2/1984	9/25/2007		9/25/2007				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2009	SR527984	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/1/1984	7/3/2007		7/3/2007				TRUE		TRUE					
2010	SR527985	SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/1/1984	8/1/1984		3/27/2007				TRUE		TRUE					
2011	SR527986	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/1/1984	8/1/1984		3/27/2007				TRUE		TRUE					
2012	SR527987	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/1/1984	6/26/2007		6/26/2007				TRUE		TRUE					
2013	SR527988	SSG	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/1/1984	7/25/2007	7/23/1997	7/25/2007	1/15/1998			TRUE		TRUE					
2014	SR532990	SSG	EMPLACED_CNTR	11/6/2010 11:01	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/1/1984		8/11/1997		2/1/1998			TRUE		TRUE					
2015	SR532991	SSG	EMPLACED_CNTR	10/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/2/1984		7/27/1997		1/9/1998			TRUE		TRUE					
2016	SR532992	SSG	EMPLACED_CNTR	10/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/2/1984	5/17/2006	6/25/1997	5/17/2006	12/18/1997			TRUE		TRUE					
2017	SR532993	SSG	EMPLACED_CNTR	1/21/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/1/1984	9/7/2006	7/7/1997	9/7/2006	12/30/1997			TRUE		TRUE					
2018	SR532994	SSG	EMPLACED_CNTR	4/24/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/1/1984		7/7/1997		12/30/1997			TRUE		TRUE					
2019	SR532995	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/1/1984		7/7/1997		12/30/1997			TRUE		TRUE					
2020	SR527996	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/7/1984		7/7/1997		12/30/1997			TRUE		TRUE					
2021	SR526123	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/9/1984	8/9/1984		3/27/2007				TRUE		TRUE					
2022	SR526124	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/9/1984	8/9/1984		3/27/2007				TRUE		TRUE					
2023	SR526125	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/9/1984	8/9/1984		3/26/2007				TRUE		TRUE					
2024	SR526126	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/9/1984	8/9/1984		3/26/2007				TRUE		TRUE					
2025	SR526127	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	7/12/2007		7/12/2007				TRUE		TRUE					
2026	SR526128	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	5/7/2006	6/25/1997	5/7/2006	12/18/1997			TRUE		TRUE					
2027	SR526129	SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/9/1984		7/17/1997		1/9/1998			TRUE		TRUE					
2028	SR526130	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	3/4/2008	7/22/1997	3/4/2008	1/14/1998			TRUE		TRUE					
2029	SR526131	SSG	EMPLACED_CNTR	7/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	3/28/2004	7/11/1997	3/28/2004	1/13/1998			TRUE		TRUE					
2030	SR526132	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/9/1984		6/25/1997		12/18/1997			TRUE		TRUE					
2031	SR526133	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	1/31/2004	7/23/1997	3/11/2004	1/15/1998			TRUE		TRUE					
2032	SR526134	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/9/1984	1/31/2004	6/26/1997	3/11/2004	12/19/1997			TRUE		TRUE					
2033	SR526135	SSG	EMPLACED_CNTR	1/21/2010 13:39	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/23/1984	8/23/1984		12/12/2007				TRUE		TRUE					
2034	SR526136	SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/23/1984	8/23/1984		1/28/2008		NoVent; 08/27/2007 V&P Vent		TRUE	TRUE	TRUE					
2035	SR526137	SSG	EMPLACED_CNTR	10/18/2011 22:20	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/23/1984	8/23/1984		4/13/2007		NoVent		TRUE	TRUE	TRUE					
2036	SR526138	SSG	EMPLACED_CNTR	1/13/2012 14:35	12/8/2011 15:32	DCR-2011-534	SR-WD27-221H-MET	S5440	V&P Vent	0	8/23/1984	8/23/1984		3/16/2004		NoVent		TRUE	TRUE	TRUE					
2037	SR526139	SSG	EMPLACED_CNTR	4/21/2010 21:18	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/23/1984	4/23/2008		4/7/2008				TRUE		TRUE					
2038	SR526140	SSG	EMPLACED_CNTR	2/25/2012 12:56	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	8/23/1984	8/23/1984		9/13/2007		NoVent		TRUE	TRUE	TRUE					
2039	SR526141	SSG	EMPLACED_CNTR	5/26/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2040	SR526142	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2041	SR526143	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/15/1997		1/7/1998			TRUE		TRUE					
2042	SR526144	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	8/23/1984	3/28/2004	7/14/1997	3/28/2004	1/6/1998			TRUE		TRUE					
2043	SR526145	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2044	SR526146	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2045	SR526147	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	8/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2046	SR526148	SSG	EMPLACED_CNTR	9/26/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/15/1997		1/7/1998			TRUE		TRUE					
2047	SR526149	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/15/1997		1/6/1998			TRUE		TRUE					
2048	SR526150	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/15/1997		1/7/1998			TRUE		TRUE					
2049	SR526151	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/15/1997		1/7/1998			TRUE		TRUE					
2050	SR526152	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	9/18/1984	2/25/2004	7/16/1997	2/25/2004	1/8/1998			TRUE		TRUE					
2051	SR526153	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	9/18/1984	4/20/2004	7/16/1997	4/20/2004	1/8/1998			TRUE		TRUE					
2052	SR526154	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/15/1997		1/7/1998			TRUE		TRUE					
2053	SR526155	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2054	SR526156	SSG	EMPLACED_CNTR	8/24/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2055	SR526157	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	9/18/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2056	SR526158	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		2/28/1997		8/23/1997			TRUE		TRUE					
2057	SR526159	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		2/3/1997		7/29/1997			TRUE		TRUE					
2058	SR526160	SSG	EMPLACED_CNTR	9/29/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		7/16/1997		1/9/1998			TRUE		TRUE					
2059	SR526161	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		1/6/1997		8/1/1997			TRUE		TRUE					
2060	SR526162	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		1/31/1997		7/26/1997			TRUE		TRUE					
2061	SR526163	SSG	EMPLACED_CNTR	5/9/2004	5/1/2013 13:16	mccabed	SR-WD27-221H-MET	S5440		0	10/9/1984		9/25/1997			Changed container type per LWatson 050111		TRUE	FALSE	TRUE					
2062	SR526164	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		1/24/1997		7/23/1997			TRUE		TRUE					
2063	SR526165	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		1/31/1997		7/26/1997			TRUE		TRUE					
2064	SR526166	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		1/31/1997		7/26/1997			TRUE		TRUE					
2065	SR526167	SSG	EMPLACED_CNTR	1/21/2010 18:36	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	10/9/1984	10/9/1984		12/11/2007				TRUE		TRUE					
2066	SR526168	SSG	EMPLACED_CNTR	10/6/2010 22:59	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/9/1984	11/28/2006	1/29/1997	11/28/2006	7/24/1997			TRUE		TRUE					
2067	SR526169	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		2/13/1997		8/8/1997			TRUE		TRUE					
2068	SR526170	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/9/1984	10/31/2004	7/16/1997	10/31/2004	1/8/1998			TRUE		TRUE					
2069	SR526171	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/9/1984		2/4/1997		7/30/1997			TRUE		TRUE					
2070	SR526172	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2071	SR526173	SSG	EMPLACED_CNTR	9/26/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2072	SR526174	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2073	SR526175	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/16/1997		1/8/1998			TRUE		TRUE					
2074	SR526176	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/16/1984	10/30/2004	7/14/1997	10/30/2004	1/6/1998			TRUE		TRUE					
																Container type changed from 85gal to 55 gal per									
2075	SR526177	SSG	APPROVED_CERT		4/18/2012 7:29	DCR-2011-1099	SR-WD27-221H-MET	S5440	V&P Vent	0	10/16/1984	10/16/1984	9/25/1997	2/14/2004		Rungeford email 071012		TRUE	TRUE	TRUE					
2076	SR526178	SSG	EMPLACED_CNTR	10/8/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	V&P Vent	0	10/16/1984	10/16/1984		4/1/2007				TRUE		TRUE					
2077	SR526179	SSG	EMPLACED_CNTR	4/24/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/16/1997		1/8/1998			TRUE		TRUE					
2078	SR526180	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2079	SR526181	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/16/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2080	SR526182	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		9/24/1997		3/19/1998			TRUE		TRUE					
2081	SR526183	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		9/23/1997		3/18/1998			TRUE		TRUE					
2082	SR526184	SSG	EMPLACED_CNTR	9/7/2010 21:54	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		8/11/1997		2/3/1998			TRUE		TRUE					
2083	SR526185	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2084	SR526186	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		7/10/1997		1/2/1998			TRUE		TRUE					
2085	SR526187	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/23/1984	8/5/2004	8/7/1997	8/5/2004	1/30/1998			TRUE		TRUE					
2086	SR526188	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/23/1984		7/14/1997		1/6/1998			TRUE		TRUE					
2087	SR526189	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/23/1984	3/16/2004	7/10/1997	3/16/2004	1/22/1998			TRUE		TRUE					
2088	SR526192	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		5/1/1997		10/24/1997			TRUE		TRUE					
2089	SR526193	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		5/1/1997		10/24/1997			TRUE		TRUE					
2090	SR526194	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		5/5/1997		10/24/1997			TRUE		TRUE					
2091	SR526195	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		4/30/1997		10/23/1997			TRUE		TRUE					
2092	SR526196	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		5/7/1997		10/30/1997			TRUE		TRUE					
2093	SR526197	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		4/30/1997		10/23/1997			TRUE		TRUE					
2094	SR526198	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440		0	10/30/1984		4/30/1997		10/23/1997			TRUE		TRUE					
2095	SR526199	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-MET	S5440	Remediate	1	10/30/1984	10/23/2007	4/30/1997	10/23/2007	10/23/1997			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20996	SR526200	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/30/1984	10/30/1984	8/11/1997	8/4/2006	2/3/1998			TRUE		TRUE					
20997	SR526201	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/30/1984	2/27/2004	5/5/1997	2/27/2004	10/28/1997			TRUE		TRUE					
20998	SR526202	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		7/10/1997		1/2/1998			TRUE		TRUE					
20999	SR526203	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/6/1984	2/27/2004	5/7/1997	2/27/2004	10/30/1997			TRUE		TRUE					
21000	SR526204	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/6/1984	4/15/2004	5/7/1997	4/15/2004	10/30/1997			TRUE		TRUE					
21001	SR526205	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		5/6/1997		10/29/1997			TRUE		TRUE					
21002	SR526206	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/6/1984	2/28/2004	7/14/1997	2/28/2004	1/6/1998			TRUE		TRUE					
21003	SR526207	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		4/11/1997		10/14/1997			TRUE		TRUE					
21004	SR526208	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/6/1984	2/21/2007	4/22/1997	2/21/2007	10/15/1997			TRUE		TRUE					
21005	SR526208A	SSG	APPROVED_CERT		8/23/2011 6:08	morrisj	SR-W027-221H-HET	S5440			9/30/2008		9/30/2008			SWD071126 re-named and WS reassigned from SR-SWMF-HET-A		TRUE	FALSE	TRUE					
21006	SR526209	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		5/6/1997		10/29/1997			TRUE		TRUE					
21007	SR526210	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21008	SR526211	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/6/1984		4/22/1997		10/15/1997			TRUE		TRUE					
21009	SR526212	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		3/18/1997		9/10/1997			TRUE		TRUE					
21010	SR526213	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		3/25/1997		9/17/1997			TRUE		TRUE					
21011	SR526214	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21012	SR526215	SSG	APPROVED_CERT	12/12/2012 11:08	mccabed		SR-W027-221H-HET	S5440		0	11/15/1984		9/14/1997	12/4/2012		SWS15.3-SOP-V&P-01 (NF307DS)		TRUE	TRUE	TRUE					
21013	SR526216	SSG	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		4/21/1997		10/14/1997			TRUE		TRUE					
21014	SR526217	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		9/23/1997		3/18/1998			TRUE		TRUE					
21015	SR526218	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/15/1984	4/21/2004	5/6/1997	4/21/2004	10/29/1997			TRUE		TRUE					
21016	SR526220	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		4/30/1997		10/23/1997			TRUE		TRUE					
21017	SR526221	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21018	SR526222	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		4/21/1997		10/14/1997			TRUE		TRUE					
21019	SR526223	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/15/1984		3/19/1997		9/11/1997			TRUE		TRUE					
21020	SR526228	SSG	EMPLACED_CNTR	10/29/2010 14:07	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		9/23/1997		3/18/1998			TRUE		TRUE					
21021	SR526229	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		8/7/1997		1/30/1998			TRUE		TRUE					
21022	SR526230	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		4/16/1997		10/9/1997			TRUE		TRUE					
21023	SR526231	SSG	EMPLACED_CNTR	8/24/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/27/1984	2/27/2004	5/1/1997	2/27/2004	10/14/1997			TRUE		TRUE					
21024	SR526232	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/27/1984	3/8/2004	3/19/1997	3/8/2004	9/11/1997			TRUE		TRUE					
21025	SR526233	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		4/16/1997		10/9/1997			TRUE		TRUE					
21026	SR526234	SSG	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		4/11/1997		10/14/1997			TRUE		TRUE					
21027	SR526235	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		5/6/1997		10/29/1997			TRUE		TRUE					
21028	SR526236	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21029	SR526237	SSG	EMPLACED_CNTR	10/29/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		4/15/1997		10/8/1997			TRUE		TRUE					
21030	SR526238	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/27/1984		4/15/1997		10/8/1997			TRUE		TRUE					
21031	SR526241	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	2/26/2004	5/1/1997	2/26/2004	10/24/1997			TRUE		TRUE					
21032	SR526242	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	3/8/2004	4/14/1997	3/8/2004	10/7/1997			TRUE		TRUE					
21033	SR526243	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		5/1/1997		10/24/1997			TRUE		TRUE					
21034	SR526244	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		7/10/1997		1/2/1998			TRUE		TRUE					
21035	SR526245	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		5/30/1997		11/12/1997			TRUE		TRUE					
21036	SR526246	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		4/30/1997		10/23/1997			TRUE		TRUE					
21037	SR526247	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		8/11/1997		2/3/1998			TRUE		TRUE					
21038	SR526248	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	3/28/2004	5/6/1997	3/28/2004	10/29/1997			TRUE		TRUE					
21039	SR526249	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	2/26/2004	5/1/1997	2/26/2004	10/24/1997			TRUE		TRUE					
21040	SR526250	SSG	EMPLACED_CNTR	8/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21041	SR526251	SSG	EMPLACED_CNTR	8/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	3/29/2004	7/14/1997	3/29/2004	1/6/1998			TRUE		TRUE					
21042	SR526252	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		9/22/1997		3/17/1998			TRUE		TRUE					
21043	SR526253	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		7/14/1997		1/6/1998			TRUE		TRUE					
21044	SR526254	SSG	EMPLACED_CNTR	8/22/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		5/6/1997		10/29/1997			TRUE		TRUE					
21045	SR526255	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		7/14/1997		1/6/1998			TRUE		TRUE					
21046	SR526256	SSG	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		5/5/1997		10/28/1997			TRUE		TRUE					
21047	SR526257	SSG	EMPLACED_CNTR	8/23/2001	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		4/21/1997		10/14/1997			TRUE		TRUE					
21048	SR526258	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		4/24/1997		10/17/1997			TRUE		TRUE					
21049	SR526259	SSG	EMPLACED_CNTR	9/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	2/27/2004	4/30/1997	2/27/2004	10/23/1997			TRUE		TRUE					
21050	SR526260	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/4/1984		9/23/1997		3/18/1998			TRUE		TRUE					
21051	SR526261	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	12/4/1984	4/21/2004	9/23/1997	4/21/2004	3/18/1998			TRUE		TRUE					
21052	SR526262	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	12/18/1984		4/24/1997		10/17/1997			TRUE		TRUE					
21053	SR526269	SSG	EMPLACED_CNTR	10/4/2010 22:59	5/1/2013 13:16	mccabed	SR-W027-221H-HET	S5440	Remediate	1	12/18/1984	11/19/2006	9/25/1997	11/19/2006		Changed container type per LWatson 050113.		TRUE	FALSE	TRUE					
21054	SR526270	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	12/18/1984	12/14/1984		7/1/2004				TRUE		TRUE					
21055	SR529101	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/15/1985	3/7/2004	12/31/1999	3/7/2004	6/24/2000			TRUE		TRUE					
21056	SR529102	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	10/15/1985		12/31/1999		6/24/2000			TRUE		TRUE					
21057	SR529103	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	10/15/1985		12/31/1999		6/24/2000			TRUE		TRUE					
21058	SR529104	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/15/1985	10/15/1985	12/31/1999	10/2/2003	6/24/2000			TRUE	TRUE	TRUE					
21059	SR529105	SSG			4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	10/15/1985		12/31/1999		6/24/2000			TRUE		TRUE					
21060	SR529106	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/15/1985	1/31/2007	12/31/1999	1/31/2007	6/24/2000			TRUE		TRUE					
21061	SR529107	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/15/1985	1/29/2007	12/31/1999	1/29/2007	6/24/2000			TRUE		TRUE					
21062	SR529108	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/16/1985	1/31/2006	12/31/1999	1/31/2006	6/24/2000			TRUE		TRUE					
21063	SR529109	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/16/1985	2/6/2007	12/31/1999	2/6/2007	6/24/2000			TRUE		TRUE					
21064	SR529111	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/5/1985		12/3/1998		5/28/1999			TRUE		TRUE					
21065	SR529116	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/5/1985	3/15/2004	11/11/1998	3/15/2004	5/6/1999			TRUE		TRUE					
21066	SR529117	SSG			4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
21067	SR529118	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	11/5/1985		12/31/1999		6/24/2000			TRUE		TRUE					
21068	SR529121	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	11/5/1985	1/22/2007	12/31/1999	1/22/2007	6/24/2000			TRUE		TRUE					
21069	SR529343	SSG	EMPLACED_CNTR	9/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	9/14/1985		10/21/1998		4/15/1999			TRUE		TRUE					
21070	SR540501	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/12/1986	3/4/2008	6/30/1995	3/4/2008	12/23/1995			TRUE		TRUE					
21071	SR540502	SSG	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21072	SR540503	SSG	EMPLACED_CNTR	9/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		12/8/1998		6/2/1999			TRUE		TRUE					
21073	SR540504	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21074	SR540505	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		2/9/1999		8/4/1999			TRUE		TRUE					
21075	SR540506	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		10/20/1998		4/14/1999			TRUE		TRUE					
21076	SR540507	SSG	EMPLACED_CNTR	10/10/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		12/8/1998		6/2/1999			TRUE		TRUE					
21077	SR540508	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/24/1986	3/24/1986	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
21078	SR540509	SSG	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		12/29/1998		6/23/1999			TRUE		TRUE					
21079	SR540510	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/24/1986		10/22/1998		4/16/1999			TRUE		TRUE					
21080	SR540535	SSG	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/31/1986		11/4/1998		4/29/1999			TRUE		TRUE					
21081	SR540538	SSG	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/31/1986		12/8/1998		6/2/1999			TRUE		TRUE					
21082	SR540539	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	S5440		0	3/31/1986		1/26/1999		7/23/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21043	SR540540	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/31/1986	8/10/2005	1/27/1999	9/10/2005	7/22/1999			TRUE		TRUE					
21044	SR540543	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	3/31/1986	3/31/1986	6/30/1995	9/22/2003	12/23/1995			TRUE		TRUE					
21045	SR540545	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/1/1986	4/1/1986	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
21046	SR540546	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/1/1986	4/1/1986	6/30/1995	9/23/2003	12/23/1995			TRUE		TRUE					
21047	SR540547	55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/1/1986	5/19/2006	1/27/1999	5/19/2006	7/22/1999			TRUE		TRUE					
21048	SR540547A	55G	EMPLACED_CNTR	5/30/2012 8:58	1/22/2012 10:18	mccabed	SR-WQ27-221H-HET	55440			5/19/2006	3/16/2012	5/19/2006	3/16/2012		Container was previously assigned SWD061355; Tru drum repacking 221-F-55006		TRUE	FALSE	TRUE					
21049	SR540548	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/1/1986		1/18/1999		7/13/1999			TRUE		TRUE					
21050	SR540549	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/1/1986		11/16/1998		5/11/1999			TRUE		TRUE					
21051	SR540550	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/1/1986		12/30/1998		6/24/1999			TRUE		TRUE					
21052	SR540551	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/1/1986		1/25/1999		7/20/1999			TRUE		TRUE					
21053	SR540552	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/1/1986	4/1/1986	6/30/1995	8/21/2003	12/23/1995			TRUE		TRUE					
21054	SR540553	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/1/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21055	SR540554	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/1/1986	4/1/1986	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
21056	SR540556	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/1/1986	6/22/2004	1/5/1999	6/22/2004	6/30/1999			TRUE		TRUE					
21057	SR540557	55G	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	4/7/1986	4/7/1986	6/30/1995	9/30/2003	12/23/1995			TRUE		TRUE					
21058	SR540559	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Purge	0	4/7/1986	4/7/1986	6/30/1995	9/26/2003	12/23/1995			TRUE		TRUE					
21059	SR540561	55G	EMPLACED_CNTR	7/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		12/30/1998		6/4/1999			TRUE		TRUE					
21100	SR540562	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		1/25/1999		7/20/1999			TRUE		TRUE					
21101	SR540563	55G	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		2/3/1999		7/29/1999			TRUE		TRUE					
21102	SR540564	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/7/1986	4/7/1986	6/30/1995	8/28/2003	12/23/1995			TRUE		TRUE					
21103	SR540565	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/7/1986	4/7/1986	6/30/1995	8/28/2003	12/23/1995			TRUE		TRUE					
21104	SR540566	55G	EMPLACED_CNTR	9/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		12/30/1998		6/24/1999			TRUE		TRUE					
21105	SR540567	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		12/14/1998		6/8/1999			TRUE		TRUE					
21106	SR540568	55G	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/7/1986	3/4/2004	1/25/1999	3/4/2004	7/20/1999			TRUE		TRUE					
21107	SR540569	55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		12/30/1998		6/24/1999			TRUE		TRUE					
21108	SR540570	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/7/1986	3/14/2004	2/1/1999	3/14/2004	7/28/1999			TRUE		TRUE					
21109	SR540571	55G	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/7/1986		1/25/1999		7/20/1999			TRUE		TRUE					
21110	SR540572	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/7/1986	3/31/2004	12/16/1998	3/31/2004	6/10/1999			TRUE		TRUE					
21111	SR540573	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/11/1986	3/19/2006	8/30/1995	3/19/2006	12/23/1995			TRUE		TRUE					
21112	SR540575	55G	EMPLACED_CNTR	8/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21113	SR540576	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
21114	SR540577	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/11/1986	3/14/2004	1/11/1999	3/14/2004	7/6/1999			TRUE		TRUE					
21115	SR540578	55G	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/11/1999		7/6/1999			TRUE		TRUE					
21116	SR540580	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/13/1999		7/8/1999			TRUE		TRUE					
21117	SR540582	55G	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/5/1999		6/30/1999			TRUE		TRUE					
21118	SR540583	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/25/1999		7/20/1999			TRUE		TRUE					
21119	SR540585	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/15/1986	2/12/2004	11/16/1998	2/12/2004	5/5/1999			TRUE		TRUE					
21120	SR540586	55G	EMPLACED_CNTR	4/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/12/1999		7/7/1999			TRUE		TRUE					
21121	SR540587	55G	EMPLACED_CNTR	10/1/2003	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/11/1986		1/5/1999		6/30/1999			TRUE		TRUE					
21122	SR540588	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	4/9/1986	4/9/1986	6/30/1995	9/19/2003	12/23/1995			TRUE		TRUE					
21123	SR540589	55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		12/9/1998		6/3/1999			TRUE		TRUE					
21124	SR540590	55G	EMPLACED_CNTR	8/22/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/15/1986		11/4/1998		4/29/1999			TRUE		TRUE					
21125	SR540591	55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		1/1/1999		7/28/1999			TRUE		TRUE					
21126	SR540592	55G	EMPLACED_CNTR	9/17/2003	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		1/8/1999		8/3/1999			TRUE		TRUE					
21127	SR540593	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21128	SR540594	55G	EMPLACED_CNTR	10/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/15/1986		10/20/1998		4/14/1999			TRUE		TRUE					
21129	SR540595	55G	EMPLACED_CNTR	9/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		2/2/1999		7/28/1999			TRUE		TRUE					
21130	SR540596	55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		10/19/1998		4/13/1999			TRUE		TRUE					
21131	SR540597	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		2/4/1999		7/30/1999			TRUE		TRUE					
21132	SR540598	55G	EMPLACED_CNTR	9/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		12/29/1998		6/23/1999			TRUE		TRUE					
21133	SR540599	55G	EMPLACED_CNTR	10/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		10/19/1998		4/13/1999			TRUE		TRUE					
21134	SR540601	55G	EMPLACED_CNTR	8/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		1/15/1999		7/20/1999			TRUE		TRUE					
21135	SR540602	55G	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21136	SR540603	55G	EMPLACED_CNTR	3/24/2004	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/14/1986		12/9/1998		6/3/1999			TRUE		TRUE					
21137	SR540604	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/16/1986		2/3/1999		7/29/1999			TRUE		TRUE					
21138	SR540608	55G	EMPLACED_CNTR	9/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/16/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21139	SR540609	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/16/1986		11/12/1998		5/7/1999			TRUE		TRUE					
21140	SR540610	55G	EMPLACED_CNTR	11/10/2003	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/17/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21141	SR540611	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/16/1986		2/9/1999		8/4/1999			TRUE		TRUE					
21142	SR540612	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/17/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21143	SR540613	55G	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/23/1986		2/4/1999		7/30/1999			TRUE		TRUE					
21144	SR540614	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/23/1986		2/3/1999		7/29/1999			TRUE		TRUE					
21145	SR540616	55G	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/23/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21146	SR540617	55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/23/1986	5/8/2005	6/30/1995	5/8/2005	12/23/1995			TRUE		TRUE					
21147	SR540618	55G	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	4/23/1986	5/8/2005	6/30/1995	5/8/2005	12/23/1995			TRUE		TRUE					
21148	SR540619	55G	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/23/1986		1/25/1999		7/20/1999			TRUE		TRUE					
21149	SR540620	55G	EMPLACED_CNTR	10/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21150	SR540622	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/24/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21151	SR540624	55G	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/24/1986		2/8/1999		8/3/1999			TRUE		TRUE					
21152	SR540625	55G	EMPLACED_CNTR	10/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	4/24/1986		2/8/1999		8/3/1999			TRUE		TRUE					
21153	SR540626	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21154	SR540627	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/5/1986	8/10/2005	6/30/1995	8/10/2005	12/23/1995			TRUE		TRUE					
21155	SR540628	55G	EMPLACED_CNTR	9/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21156	SR540629	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/6/1986	12/31/2005	6/30/1995	12/31/2005	12/23/1995			TRUE		TRUE					
21157	SR540630	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21158	SR540631	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21159	SR540632	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/5/1986	11/14/2006	6/30/1995	11/14/2006	12/23/1995			TRUE		TRUE					
21160	SR540633	55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	5/5/1986	5/5/1986	6/30/1995	3/10/2007	12/23/1995			TRUE		TRUE					
21161	SR540634	55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/6/1986	8/20/2006	6/30/1995	8/20/2006	12/23/1995			TRUE		TRUE					
21162	SR540635	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21163	SR540637	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/5/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21164	SR540638	55G	EMPLACED_CNTR	10/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/19/1986		12/29/1998		6/23/1999			TRUE		TRUE					
21165	SR540639	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	5/19/1986	3/9/2004	2/11/1999	3/9/2004	8/6/1999			TRUE		TRUE					
21166	SR540640	55G	EMPLACED_CNTR	11/1/2003	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21167	SR540642	55G	EMPLACED_CNTR	10/10/2003	4/24/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/6/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21168	SR540644	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	V&P Vent	0	5/13/1986	5/13/1986	6/30/1995	9/19/2003	12/23/1995			TRUE		TRUE					
21169	SR540645	55G	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	5/13/1986		12/17/1998		6/11/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21170	SR540646		SSG	EMPLACED_CNTR	9/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/13/1986		10/20/1998		4/14/1999			TRUE		TRUE					
21171	SR540647		SSG	EMPLACED_CNTR	10/27/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/13/1986		10/27/1998		4/21/1999			TRUE		TRUE					
21172	SR540648		SSG	EMPLACED_CNTR	9/24/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/13/1986		10/20/1998		4/14/1999			TRUE		TRUE					
21173	SR540649		SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/14/1986		10/20/1998		4/14/1999			TRUE		TRUE					
21174	SR540650		SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/14/1986		12/29/1998		6/23/1999			TRUE		TRUE					
21175	SR540651		SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Purge	0	5/14/1986	5/14/1986	6/30/1995	9/23/2003	12/23/1995			TRUE		TRUE					
21176	SR540652		SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/14/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21177	SR540653		SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/19/1986		2/11/1999		8/6/1999			TRUE		TRUE					
21178	SR540655		SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	5/19/1986	2/21/2006	6/30/1995	2/21/2006	12/23/1995			TRUE		TRUE					
21179	SR540656		SSG	EMPLACED_CNTR	10/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/19/1986		12/29/1998		6/23/1999			TRUE		TRUE					
21180	SR542601		SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/24/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21181	SR542602		SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21182	SR542605		SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21183	SR542608		SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21184	SR542609		SSG	EMPLACED_CNTR	6/13/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/26/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21185	SR543014		SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/24/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21186	SR543015		SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/24/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21187	SR543301		SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	6/1/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21188	SR545201		SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	1/31/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21189	SR545202		SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	1/31/1987	1/31/1987	6/30/1995	5/18/2007	12/23/1995			TRUE		TRUE					
21190	SR545204		SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	1/31/1987	10/18/2006	6/30/1995	10/18/2006	12/23/1995			TRUE		TRUE					
21191	SR545205		SSG	EMPLACED_CNTR	4/19/2010 21:36	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	1/31/1987	5/8/2008	6/30/1995	5/8/2008	12/23/1995			TRUE		TRUE					
21192	SR545206		SSG	EMPLACED_CNTR	1/21/2010 19:00	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	1/31/1987	5/8/2008	6/30/1995	5/8/2008	12/23/1995			TRUE		TRUE					
21193	SR545207		SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	3/28/2006	6/30/1995	3/28/2006	12/23/1995			TRUE		TRUE					
21194	SR545208		SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	10/17/2007	6/30/1995	10/17/2007	12/23/1995			TRUE		TRUE					
21195	SR545209		SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21196	SR545210		SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	8/15/2007	6/30/1995	8/15/2007	12/23/1995			TRUE		TRUE					
21197	SR545211		SSG	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	3/18/2008	6/30/1995	3/18/2008	12/23/1995	WMIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
21198	SR545212		SSG	EMPLACED_CNTR	6/25/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	1/1/2008	6/30/1995	1/1/2008	12/23/1995			TRUE		TRUE					
21199	SR545213		SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	2/11/1987	12/1/2004	6/30/1995	12/1/2004	12/23/1995			TRUE		TRUE					
21200	SR545214		SSG	EMPLACED_CNTR	6/11/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21201	SR545215		SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21202	SR545216		SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	2/11/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21203	SR545217		SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	3/6/1987	3/6/1987	6/30/1995	2/5/2007	12/23/1995			TRUE		TRUE					
21204	SR545218		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Purge	0	3/6/1987	3/6/1987	6/30/1995	7/5/2005	12/23/1995			TRUE		TRUE					
21205	SR545219		SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/6/1987	4/21/2006	6/30/1995	4/21/2006	12/23/1995			TRUE		TRUE					
21206	SR545220		SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/6/1987	2/1/2008	6/30/1995	2/1/2008	12/23/1995			TRUE		TRUE					
21207	SR545221		SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	3/6/1987	3/6/1987	6/30/1995	2/7/2007	12/23/1995			TRUE		TRUE					
21208	SR545222		SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	3/6/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21209	SR545223		SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	3/6/1987	3/6/1987	6/30/1995	6/1/2007	12/23/1995			TRUE		TRUE					
21210	SR545224		SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	3/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21211	SR545225		SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/25/1987	2/25/2008	6/30/1995	2/25/2008	12/23/1995			TRUE		TRUE					
21212	SR545226		SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	3/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21213	SR545227		SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/25/1987	1/10/2008	6/30/1995	1/10/2008	12/23/1995			TRUE		TRUE					
21214	SR545228		SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/25/1987	2/1/2008	6/30/1995	2/1/2008	12/23/1995			TRUE		TRUE					
21215	SR545229		SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	3/25/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21216	SR545230		SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	3/25/1987	12/2/2004	6/30/1995	12/2/2004	12/23/1995			TRUE		TRUE					
21217	SR545231		SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	4/23/1987	11/7/2007	6/30/1995	11/7/2007	12/23/1995			TRUE		TRUE					
21218	SR545232		SSG	EMPLACED_CNTR	1/21/2010 18:36	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	4/23/1987	4/23/1987	6/30/1995	2/20/2007	12/23/1995			TRUE		TRUE					
21219	SR545233		SSG	EMPLACED_CNTR	1/23/2010 13:37	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	4/23/1987	7/25/2006	6/30/1995	7/25/2006	12/23/1995			TRUE		TRUE					
21220	SR545234		SSG	EMPLACED_CNTR	4/22/2010 21:31	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	4/23/1987	5/13/2008	6/30/1995	5/13/2008	12/23/1995			TRUE		TRUE					
21221	SR545235		SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	VE Technique for audit	1	4/23/1987	9/19/2005	6/30/1995	9/19/2005	12/23/1995			TRUE		TRUE					
21222	SR545236		SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	4/23/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21223	SR545240		SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	6/18/1987	3/4/2008	6/30/1995	3/4/2008	12/23/1995			TRUE		TRUE					
21224	SR545241		SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	6/18/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21225	SR545242		SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	6/18/1987	7/11/2007	6/30/1995	7/11/2007	12/23/1995			TRUE		TRUE					
21226	SR545243		SSG	EMPLACED_CNTR	6/15/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	6/18/1987	2/18/2008	6/30/1995	2/18/2008	12/23/1995			TRUE		TRUE					
21227	SR545244		SSG	EMPLACED_CNTR	1/13/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	6/18/1987	7/10/2006	6/30/1995	7/10/2006	12/23/1995			TRUE		TRUE					
21228	SR545245		SSG	EMPLACED_CNTR	10/27/2010 19:12	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	6/18/1987	2/8/2008	6/30/1995	2/8/2008	12/23/1995			TRUE		TRUE					
21229	SR545246		SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Purge	0	6/18/1987	6/18/1987	6/30/1995	6/17/2005	12/23/1995			TRUE		TRUE					
21230	SR545255		SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	5/20/1987	9/5/2007	6/30/1995	9/5/2007	12/23/1995			TRUE		TRUE					
21231	SR545256		SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/20/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21232	SR545257		SSG	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/20/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21233	SR545258		SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	5/20/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21234	SR545259		SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	5/20/1987	5/20/1987	6/30/1995	2/5/2007	12/23/1995			TRUE		TRUE					
21235	SR545260		SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	5/20/1987	11/6/2007	6/30/1995	11/6/2007	12/23/1995			TRUE		TRUE					
21236	SR545261		SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/9/1987	7/9/1987	6/30/1995	2/12/2007	12/23/1995			TRUE		TRUE					
21237	SR545262		SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/9/1987	7/9/1987	6/30/1995	2/7/2007	12/23/1995			TRUE		TRUE					
21238	SR545263		SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	7/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21239	SR545264		SSG	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/9/1987	7/9/1987	6/30/1995	8/3/2007	12/23/1995			TRUE	TRUE	TRUE					
21240	SR545265		SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	7/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21241	SR545266		SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/9/1987	7/9/1987	6/30/1995	2/6/2007	12/23/1995			TRUE		TRUE					
21242	SR545267		SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	7/30/1987	3/30/2006	6/30/1995	3/30/2006	12/23/1995			TRUE		TRUE					
21243	SR545268		SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	7/30/1987	8/1/2007	6/30/1995	8/1/2007	12/23/1995			TRUE		TRUE					
21244	SR545269		SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	7/30/1987	2/13/2007	6/30/1995	2/13/2007	12/23/1995			TRUE		TRUE					
21245	SR545270		SSG	EMPLACED_CNTR	10/24/2011 22:45	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/30/1987	7/30/1987	6/30/1995	8/5/2007	12/23/1995			TRUE	TRUE	TRUE					
21246	SR545271		SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	7/30/1987	2/29/2008	6/30/1995	2/29/2008	12/23/1995			TRUE		TRUE					
21247	SR545272		SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	V&P Vent	0	7/30/1987	7/30/1987	6/30/1995	2/24/2007	12/23/1995			TRUE		TRUE					
21248	SR545273		SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	7/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21249	SR545274		SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	7/30/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21250	SR545275		SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	8/18/1987	11/6/2007	6/30/1995	11/6/2007	12/23/1995			TRUE		TRUE					
21251	SR545277		SSG	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	8/18/1987	2/21/2008	6/30/1995	2/21/2008	12/23/1995			TRUE		TRUE					
21252	SR545278		SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	8/18/1987	8/30/2007	6/30/1995	8/30/2007	12/23/1995			TRUE		TRUE					
21253	SR545279		SSG	EMPLACED_CNTR	4/19/2010 21:36	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	8/28/1987	1/25/2008	6/30/1995	1/25/2008	12/23/1995			TRUE		TRUE					
21254	SR545280		SSG	EMPLACED_CNTR	8/1/2012 11:14	11/17/2011 15:58	mccabed	SR-W027-22JH-HET	55440	Vent	0	8/28/1987		6/30/1995	11/16/2011				TRUE	TRUE	TRUE					
21255	SR545281		SSG	EMPLACED_CNTR	10/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440		0	8/27/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21256	SR545282		SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-22JH-HET	55440	Remediate	1	8/27/1987	11/29/2004	6/30/1995	11/29/2004	12/23/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21275	SR545283	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/27/1987	10/13/2006	6/30/1995	10/13/2006	12/23/1995			TRUE		TRUE					
21276	SR545284	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/28/1987	1/28/2008	6/30/1995	1/28/2008	12/23/1995			TRUE		TRUE					
21277	SR545285	SSG	EMPLACED_CNTR	10/27/2011 22:11	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/30/1987	9/30/1987	6/30/1995	8/4/2007	12/23/1995			TRUE	TRUE	TRUE					
21278	SR545286	SSG	EMPLACED_CNTR	4/26/2010 22:21	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	5/13/2008	6/30/1995	5/13/2008	12/23/1995			TRUE		TRUE					
21279	SR545287	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/30/1987	9/30/1987	6/30/1995	9/7/2007	12/23/1995			TRUE		TRUE					
21280	SR545289	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	2/15/2008	6/30/1995	2/15/2008	12/23/1995			TRUE		TRUE					
21281	SR545291	SSG	EMPLACED_CNTR	9/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/30/1987	7/6/2006	6/30/1995	7/6/2006	12/23/1995			TRUE		TRUE					
21282	SR545292	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	11/29/2007	6/30/1995	11/29/2007	12/23/1995			TRUE		TRUE					
21283	SR545293	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	7/27/2007	6/30/1995	7/27/2007	12/23/1995			TRUE		TRUE					
21284	SR545294	SSG	EMPLACED_CNTR	10/27/2010 19:11	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/30/1987	3/29/2008	6/30/1995	3/29/2008	12/23/1995			TRUE		TRUE					
21285	SR545295	SSG	EMPLACED_CNTR	11/21/2009 14:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/30/1987	10/30/1987	6/30/1995	6/8/2007	12/23/1995			TRUE		TRUE					
21286	SR545296	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/30/1987	10/30/1987	6/30/1995	8/4/2007	12/23/1995			TRUE	TRUE	TRUE					
21287	SR545502	SSG	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/5/1986	1/14/2008	6/30/1995	1/14/2008	12/23/1995			TRUE		TRUE					
21288	SR545501	SSG	EMPLACED_CNTR	8/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/5/1986	10/26/2006	6/30/1995	10/26/2006	12/23/1995			TRUE		TRUE					
21289	SR545502	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/5/1986	10/26/2006	6/30/1995	10/26/2006	12/23/1995			TRUE		TRUE					
21290	SR545503	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/6/1986	8/6/1986	6/30/1995	10/14/2006	12/23/1995			TRUE		TRUE					
21291	SR545504	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	8/5/1986	8/5/1986	6/30/1995	7/30/2004	12/23/1995			TRUE		TRUE					
21292	SR545505	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	6/16/1986	6/16/1986	6/30/1995	5/26/2007	12/23/1995			TRUE		TRUE					
21293	SR545506	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	6/16/1986	6/16/1986	6/30/1995	5/21/2007	12/23/1995			TRUE		TRUE					
21294	SR545507	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/16/1986	1/4/2008	6/30/1995	1/4/2008	12/23/1995			TRUE		TRUE					
21295	SR545508	SSG	EMPLACED_CNTR	10/9/2011 10:55	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	6/17/1986	6/17/1986	6/30/1995	6/24/2004	12/23/1995	6/24/04 V&P Purge; 11/11/08 was a sample port installation per C.Simmons 112508		TRUE	TRUE	TRUE					
21296	SR545509	SSG	EMPLACED_CNTR	5/15/2011 14:22	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/17/1986	12/8/2009	6/30/1995	12/8/2009	12/23/1995	7/12/04 V&P Purge		TRUE	TRUE	TRUE					
21297	SR545510	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/10/1986	10/8/2007	6/30/1995	10/8/2007	12/23/1995			TRUE		TRUE					
21298	SR545511	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/10/1986	9/8/2008	6/30/1995	9/8/2008	12/23/1995			TRUE		TRUE					
21299	SR545512	SSG	EMPLACED_CNTR	9/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/10/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21300	SR545513	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/10/1986	3/3/2008	6/30/1995	3/3/2008	12/23/1995			TRUE		TRUE					
21301	SR545514	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/31/1986	2/11/2008	6/30/1995	2/11/2008	12/23/1995			TRUE		TRUE					
21302	SR545515	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/31/1986	12/4/2007	6/30/1995	12/4/2007	12/23/1995			TRUE		TRUE					
21303	SR545516	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/30/1986	8/3/2007	6/30/1995	8/3/2007	12/23/1995			TRUE		TRUE					
21304	SR545517	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/31/1986	7/31/1986	6/30/1995	12/7/2006	12/23/1995			TRUE		TRUE					
21305	SR545518	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/27/1986	10/5/2006	6/30/1995	10/5/2006	12/23/1995			TRUE		TRUE					
21306	SR545519	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/27/1986	2/21/2008	6/30/1995	2/21/2008	12/23/1995			TRUE		TRUE					
21307	SR545520	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/15/1986	10/15/1986	6/30/1995	2/7/2007	12/23/1995			TRUE		TRUE					
21308	SR545521	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/15/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21309	SR545522	SSG	EMPLACED_CNTR	11/19/2011 14:17	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/15/1986	5/22/2008	6/30/1995	5/22/2008	12/23/1995			TRUE	TRUE	TRUE					
21310	SR545523	SSG	EMPLACED_CNTR	10/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/15/1986	11/30/2004	6/30/1995	11/30/2004	12/23/1995			TRUE		TRUE					
21311	SR545524	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/15/1986	10/15/1986	6/30/1995	2/5/2007	12/23/1995			TRUE		TRUE					
21312	SR545525	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/15/1986	10/15/1986	6/30/1995	4/28/2005	12/23/1995			TRUE		TRUE					
21313	SR545526	SSG	EMPLACED_CNTR	8/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	8/29/2007	6/30/1995	8/29/2007	12/23/1995			TRUE		TRUE					
21314	SR545527	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	5/19/2008	6/30/1995	5/19/2008	12/23/1995			TRUE		TRUE					
21315	SR545528	SSG	EMPLACED_CNTR	11/19/2011 14:17	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	3/18/2008	6/30/1995	3/18/2008	12/23/1995			TRUE	TRUE	TRUE					
21316	SR545529	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	8/16/2007	6/30/1995	8/16/2007	12/23/1995			TRUE		TRUE					
21317	SR545530	SSG	EMPLACED_CNTR	1/13/2012 14:35	12/8/2011 15:32	DCR 2011-534	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	11/21/2006	6/30/1995	11/21/2006	12/23/1995	V&P Vent on this drum 02/08/07		TRUE	TRUE	TRUE					
21318	SR545531	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/22/1986	10/22/1986	6/30/1995	2/8/2007	12/23/1995			TRUE		TRUE					
21319	SR545532	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/22/1986	2/12/2008	6/30/1995	2/12/2008	12/23/1995			TRUE		TRUE					
21320	SR545533	SSG	EMPLACED_CNTR	5/19/2011 19:45	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/6/1986	6/23/2008	6/30/1995	6/23/2008	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
21321	SR545534	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/6/1986	1/9/2008	6/30/1995	1/9/2008	12/23/1995			TRUE		TRUE					
21322	SR545536	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/6/1986	10/31/2007	6/30/1995	10/31/2007	12/23/1995			TRUE		TRUE					
21323	SR545537	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/6/1986	11/6/1986	6/30/1995	5/24/2007	12/23/1995			TRUE		TRUE					
21324	SR545538	SSG	EMPLACED_CNTR	3/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/11/1986	12/11/1986	6/30/1995	5/22/2007	12/23/1995			TRUE		TRUE					
21325	SR545539	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	3/4/2008	6/30/1995	3/4/2008	12/23/1995			TRUE		TRUE					
21326	SR545540	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	8/12/2005	6/30/1995	8/11/2005	12/23/1995			TRUE		TRUE					
21327	SR545541	SSG	EMPLACED_CNTR	1/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21328	SR545542	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/11/1986		6/30/1995		12/23/1995			TRUE		TRUE					
21329	SR545543	SSG	EMPLACED_CNTR	6/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	12/26/2007	6/30/1995	12/26/2007	12/23/1995			TRUE		TRUE					
21330	SR545544	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/11/1986	9/24/2007	6/30/1995	9/24/2007	12/23/1995			TRUE		TRUE					
21331	SR545546	SSG	EMPLACED_CNTR	4/22/2010 21:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/8/1987	3/5/2008	6/30/1995	3/5/2008	12/23/1995			TRUE		TRUE					
21332	SR545547	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/8/1987	2/29/2008	6/30/1995	2/29/2008	12/23/1995			TRUE		TRUE					
21333	SR545548	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/8/1987	12/3/2007	6/30/1995	12/3/2007	12/23/1995			TRUE		TRUE					
21334	SR545550	SSG	EMPLACED_CNTR	10/27/2010 19:12	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/19/1987	1/24/2008	6/30/1995	1/24/2008	12/23/1995			TRUE		TRUE					
21335	SR545551	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/19/1987	6/22/2004	6/30/1995	6/22/2004	12/23/1995			TRUE		TRUE					
21336	SR545552	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	11/19/1987	11/19/1987	6/30/1995	2/14/2007	12/23/1995			TRUE		TRUE					
21337	SR545553	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21338	SR545554	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/19/1987	4/10/2008	6/30/1995	4/10/2008	12/23/1995			TRUE		TRUE					
21339	SR545555	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/19/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21340	SR545556	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/19/1987	3/15/2007	6/30/1995	3/15/2007	12/23/1995			TRUE		TRUE					
21341	SR545557	SSG	EMPLACED_CNTR	3/23/2010 18:47	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/9/1987	1/30/2008	6/30/1995	1/30/2008	12/23/1995			TRUE		TRUE					
21342	SR545558	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21343	SR545559	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21344	SR545560	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/9/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21345	SR545561	SSG	EMPLACED_CNTR	5/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/9/1987	1/29/2008	6/30/1995	1/29/2008	12/23/1995			TRUE		TRUE					
21346	SR545562	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/17/1987	11/17/1987	6/30/1995	4/22/2005	12/24/1995			TRUE		TRUE					
21347	SR545563	SSG	EMPLACED_CNTR	9/5/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21348	SR545564	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21349	SR545565	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/17/1987		6/30/1995		12/23/1995			TRUE		TRUE					
21350	SR545566	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/11/1988	9/3/2007	6/30/1995	9/3/2007	12/23/1995			TRUE		TRUE					
21351	SR545567	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/11/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21352	SR545568	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/11/1988	7/10/2007	6/30/1995	7/10/2007	12/23/1995			TRUE		TRUE					
21353	SR545569	SSG	EMPLACED_CNTR	1/26/2010 12:43	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/11/1988	1/11/1988	6/30/1995	6/8/2007	12/23/1995			TRUE		TRUE					
21354	SR545570	SSG	EMPLACED_CNTR	1/21/2010 19:00	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/11/1988	5/30/2008	6/30/1995	5/30/2008	12/23/1995			TRUE		TRUE					
21355	SR545571	SSG	EMPLACED_CNTR	1/31/2010 13:37	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/11/1988	4/29/2008	6/30/1995	4/29/2008	12/23/1995			TRUE		TRUE					
21356	SR545572	SSG	EMPLACED_CNTR	3/17/2011 12:18	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/11/1988	3/6/2008	6/30/1995	3/6/2008	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
21357	SR545573	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/19/1988	1/31/2008	6/30/1995	1/31/2008	12/23/1995			TRUE		TRUE					
21358	SR545575	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/31/2008		1/31/2008		7/25/2008			TRUE		TRUE					
21359	SR545575A	SSG	EMPLACED_CNTR	8/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/31/2008		1/31/2008		12/23/1995			TRUE		TRUE					
21360	SR545576	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1988	1/22/2008	6/30/1995	1/22/2008	12/23/1995			TRUE		TRUE					
21361	SR545577	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	8/1/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21362	SR545578	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1988	7/3/2006	6/30/1995	7/3/2006	12/23/1995			TRUE		TRUE					
21363	SR545580	SSG	EMPLACED_CNTR	5/19/2011 19:45	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/1/1988	7/24/2008	6/30/1995	7/24/2008	12/23/1995	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21344	SR545582	SSG	EMPLACED_CNTR	3/27/2011 12:22	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/1/1988	3/1/1988	6/30/1995	8/4/2007	12/23/1995	WWIS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
21345	SR545583	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	3/1/1988	3/1/1988	6/30/1995	12/5/2003	12/23/1995			TRUE		TRUE					
21346	SR545587	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	3/29/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21347	SR545588	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1988	5/18/2007	6/30/1995	5/18/2007	12/23/1995			TRUE		TRUE					
21348	SR545589	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1988	7/16/2007	6/30/1995	7/16/2007	12/23/1995			TRUE		TRUE					
21349	SR545590	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	3/29/1988	5/23/2007	6/30/1995	5/23/2007	12/23/1995			TRUE		TRUE					
21350	SR545591	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1988	9/4/2007	6/30/1995	9/4/2007	12/23/1995			TRUE		TRUE					
21351	SR545592	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	4/26/1988	4/26/1988	6/30/1995	3/11/2007	12/23/1995			TRUE		TRUE					
21352	SR545593	SSG	EMPLACED_CNTR	9/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/26/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21353	SR545595	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1988	8/4/2004	6/30/1995	8/4/2004	12/23/1995			TRUE		TRUE					
21354	SR545596	SSG	EMPLACED_CNTR	5/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/26/1988	3/19/2008	6/30/1995	3/19/2008	12/23/1995			TRUE		TRUE					
21355	SR545598	SSG	EMPLACED_CNTR	11/22/2010 21:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	6/6/1988	6/6/1988	6/30/1995	12/30/2007	12/23/1995			TRUE		TRUE					
21356	SR545805	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21357	SR545806	SSG	EMPLACED_CNTR	7/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21358	SR545807	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21359	SR545808	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/8/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21360	SR545809	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	9/8/1988	1/22/2008	6/30/1995	1/22/2008	12/23/1995			TRUE		TRUE					
21361	SR545815	SSG	EMPLACED_CNTR	5/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/13/1988	10/13/1988	6/30/1995	2/16/2007	12/23/1995			TRUE		TRUE					
21362	SR545816	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/13/1988		6/30/1995		12/23/1995			TRUE		TRUE					
21363	SR545817	SSG	EMPLACED_CNTR	12/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/13/1988	5/23/2004	6/30/1995	5/23/2004	12/23/1995			TRUE		TRUE					
21364	SR545821	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21365	SR545822	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21366	SR545823	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21367	SR545824	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	1/12/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21368	SR545838	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/18/1989	7/17/2006	6/30/1995	7/17/2006	12/23/1995			TRUE		TRUE					
21369	SR545842	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21370	SR545843	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21371	SR545844	SSG	EMPLACED_CNTR	6/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/18/1989	9/6/2007	6/30/1995	9/6/2007	12/23/1995			TRUE		TRUE					
21372	SR545845	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/18/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21373	SR545846	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21374	SR545847	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/28/1989	11/19/2004	6/30/1995	11/19/2004	12/23/1995			TRUE		TRUE					
21375	SR545848	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21376	SR545849	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21377	SR545850	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21378	SR545851	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21379	SR545852	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21380	SR545853	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21381	SR545854	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	8/3/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21382	SR545861	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/17/1989	6/30/2006	6/30/1995	6/30/2006	12/23/1995			TRUE		TRUE					
21383	SR545862	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	8/17/1989	7/11/2007	6/30/1995	7/11/2007	12/23/1995			TRUE		TRUE					
21384	SR545864	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21385	SR545865	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21386	SR545866	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21387	SR545867	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	9/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21388	SR545871	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21389	SR545872	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21390	SR545873	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21391	SR545874	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21392	SR545875	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21393	SR545876	SSG	EMPLACED_CNTR	9/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/4/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21394	SR545878	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	10/10/1989	10/10/1989	6/30/1995	7/21/2006	12/23/1995			TRUE		TRUE					
21395	SR545879	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21396	SR545880	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21397	SR545881	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/10/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21398	SR545887	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21399	SR545888	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/15/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21400	SR545889	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/24/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21401	SR545890	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21402	SR545891	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/25/1989	5/25/2006	6/30/1995	5/25/2006	12/23/1995			TRUE		TRUE					
21403	SR545892	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/25/1989	9/2/2005	6/30/1995	9/2/2005	12/23/1995			TRUE		TRUE					
21404	SR545893	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21405	SR545894	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/24/1989	7/20/2006	6/30/1995	7/20/2006	12/23/1995			TRUE		TRUE					
21406	SR545895	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21407	SR545896	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	10/25/1989	11/17/2006	6/30/1995	11/17/2006	12/23/1995			TRUE		TRUE					
21408	SR545897	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/24/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21409	SR545898	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21410	SR545899	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21411	SR557301	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/11/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21412	SR557302	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	10/11/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21413	SR557401	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21414	SR557402	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21415	SR557403	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/16/1990	4/29/2006	4/16/1990	4/29/2006	10/9/1990			TRUE		TRUE					
21416	SR557404	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21417	SR557405	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	4/16/1990	4/20/2006	4/16/1990	4/20/2006	10/9/1990			TRUE		TRUE					
21418	SR557406	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21419	SR557407	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21420	SR557408	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21421	SR557409	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21422	SR557410	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21423	SR557411	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21424	SR557412	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	4/16/1990		4/16/1990		10/9/1990			TRUE		TRUE					
21425	SR557415	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/10/1990	12/2/2004	5/10/1990	12/2/2004	11/2/1990			TRUE		TRUE					
21426	SR557416	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/10/1990		5/10/1990		11/2/1990			TRUE		TRUE					
21427	SR557417	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/10/1990		5/10/1990		11/2/1990			TRUE		TRUE					
21428	SR557418	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/10/1990		5/10/1990		11/2/1990			TRUE		TRUE					
21429	SR557421	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/30/1990	4/19/2004	5/30/1990	4/19/2004	11/22/1990			TRUE		TRUE					
21430	SR557422	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		1	5/30/1990	11/17/2006	5/30/1990	11/17/2006	11/22/1990			TRUE		TRUE					
21431	SR557423	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	5/30/1990		5/30/1990		11/22/1990										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21432	SR557424	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	5/30/1990	1/2/2007	5/30/1990	1/2/2007	11/22/1990			TRUE		TRUE					
21433	SR557425	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	6/19/1990		6/19/1990		12/12/1990			TRUE		TRUE					
21434	SR557426	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	6/19/1990	4/19/2007	6/19/1990	4/19/2007	12/12/1990			TRUE		TRUE					
21435	SR557427	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	6/19/1990		6/19/1990		12/12/1990			TRUE		TRUE					
21436	SR557428	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	6/19/1990		6/19/1990		12/12/1990			TRUE		TRUE					
21437	SR557429	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	6/19/1990		6/19/1990		12/12/1990			TRUE		TRUE					
21438	SR557430	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	6/19/1990	10/19/2006	6/19/1990	10/19/2006	12/12/1990			TRUE		TRUE					
21439	SR557431	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	6/19/1990	4/17/2008	6/19/1990	4/17/2008	12/12/1990			TRUE		TRUE					
21440	SR557439	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	7/10/1990	4/19/2004	7/10/1990	4/19/2004	1/3/1991			TRUE		TRUE					
21441	SR557440	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21442	SR557441	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	7/10/1990	1/12/2006	7/10/1990	1/12/2006	1/2/1991			TRUE		TRUE					
21443	SR557442	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	7/11/1990	2/18/2006	7/11/1990	2/18/2006	1/3/1991			TRUE		TRUE					
21444	SR557443	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21445	SR557444	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21446	SR557445	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21447	SR557446	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21448	SR557447	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	7/11/1990		7/11/1990		1/3/1991			TRUE		TRUE					
21449	SR557448	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	7/11/1990	11/13/2006	7/11/1990	11/13/2006	1/3/1991			TRUE		TRUE					
21450	SR557449	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/3/1990	2/26/2004	8/3/1990	2/26/2004	1/26/1991			TRUE		TRUE					
21451	SR557450	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/3/1990		8/3/1990		1/26/1991			TRUE		TRUE					
21452	SR557451	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/3/1990		8/3/1990		1/26/1991			TRUE		TRUE					
21453	SR557452	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/3/1990	2/28/2004	8/3/1990	2/28/2004	1/26/1991			TRUE		TRUE					
21454	SR557456	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/2/1990	2/27/2006	8/2/1990	2/27/2006	1/25/1991			TRUE		TRUE					
21455	SR557458	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/2/1990	4/22/2008		4/22/2008				TRUE		TRUE					
21456	SR557460	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/2/1990	10/6/2006	8/2/1990	10/6/2006	1/25/1991			TRUE		TRUE					
21457	SR557461	SSG	EMPLACED_CNTR	7/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/25/1990		9/25/1990		3/29/1991			TRUE		TRUE					
21458	SR557462	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	V&P Vent	0	9/25/1990	9/25/1990	9/25/1990	4/22/2004	3/29/1991			TRUE		TRUE					
21459	SR557463	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/25/1990		9/25/1990		3/29/1991			TRUE		TRUE					
21460	SR557467	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	11/7/1990	11/19/2004	11/7/1990	11/19/2004	5/2/1991			TRUE		TRUE					
21461	SR557468	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	11/7/1990	11/20/2006	11/7/1990	11/20/2006	5/2/1991			TRUE		TRUE					
21462	SR557469	SSG	EMPLACED_CNTR	3/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	11/7/1990	5/20/2004	11/7/1990	5/20/2004	5/2/1991			TRUE		TRUE					
21463	SR557470	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	11/7/1990	10/21/2006	11/7/1990	10/21/2006	5/2/1991			TRUE		TRUE					
21464	SR557471	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	11/7/1990	11/20/2004	11/7/1990	11/20/2004	5/2/1991			TRUE		TRUE					
21465	SR557472	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	11/7/1990		11/7/1990		5/2/1991			TRUE		TRUE					
21466	SR557473	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	11/7/1990		11/7/1990		5/2/1991			TRUE		TRUE					
21467	SR557477	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/16/1991	3/10/2006	1/16/1991	3/10/2006	7/11/1991			TRUE		TRUE					
21468	SR557478	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21469	SR557479	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21470	SR557480	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21471	SR557481	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21472	SR557482	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21473	SR557483	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21474	SR557484	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	1/16/1991		1/16/1991		7/11/1991			TRUE		TRUE					
21475	SR557485	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	1/16/1991	4/8/2004	1/16/1991	4/8/2004	7/11/1991			TRUE		TRUE					
21476	SR557486	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	4/16/1991	4/14/2004	4/16/1991	4/14/2004	10/9/1991			TRUE		TRUE					
21477	SR557487	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	4/16/1991		4/16/1991		10/9/1991			TRUE		TRUE					
21478	SR557488	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	4/16/1991	11/17/2006	4/16/1991	11/17/2006	10/9/1991			TRUE		TRUE					
21479	SR557489	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	4/16/1991		4/16/1991		10/9/1991			TRUE		TRUE					
21480	SR557490	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	4/16/1991		4/16/1991		10/9/1991			TRUE		TRUE					
21481	SR557494	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21482	SR557495	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21483	SR557496	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21484	SR557497	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21485	SR557498	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/20/1991	7/26/2005	8/20/1991	7/26/2005	2/12/1992			TRUE		TRUE					
21486	SR557499	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21487	SR557500	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21488	SR557501	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55480	Remediate	1	8/15/1991	10/9/2007	8/15/1991	10/9/2007	2/7/1992			TRUE		TRUE					
21489	SR557502	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/15/1991	4/9/2004	8/15/1991	4/9/2004	2/7/1992			TRUE		TRUE					
21490	SR557503	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/15/1991	12/15/2006	8/15/1991	12/15/2006	2/7/1992			TRUE		TRUE					
21491	SR557504	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/15/1991	11/19/2004	8/15/1991	11/19/2004	2/7/1992			TRUE		TRUE					
21492	SR557505	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/15/1991		8/15/1991		2/7/1992			TRUE		TRUE					
21493	SR557506	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	8/15/1991	10/31/2006	8/15/1991	10/31/2006	2/7/1992			TRUE		TRUE					
21494	SR557507	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	8/20/1991		8/20/1991		2/12/1992			TRUE		TRUE					
21495	SR557508	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	9/26/1991	8/20/2007	9/26/1991	8/20/2007	3/29/1992			TRUE		TRUE					
21496	SR557509	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	9/26/1991	4/10/2004	9/26/1991	4/10/2004	3/30/1992			TRUE		TRUE					
21497	SR557510	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	9/26/1991	11/23/2006	9/26/1991	11/23/2006	3/30/1992			TRUE		TRUE					
21498	SR557511	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21499	SR557512	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	9/26/1991	7/15/2005	9/26/1991	7/15/2005	3/30/1992			TRUE		TRUE					
21500	SR557513	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21501	SR557514	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21502	SR557515	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21503	SR557516	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21504	SR557517	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21505	SR557518	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21506	SR557519	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21507	SR557520	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21508	SR557522	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21509	SR557523	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	9/26/1991		9/26/1991		3/30/1992			TRUE		TRUE					
21510	SR557526	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21511	SR557527	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	10/5/1991	3/31/2004	10/5/1991	3/31/2004	3/29/1992			TRUE		TRUE					
21512	SR557528	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	10/30/1991	6/18/2006	10/30/1991	6/18/2006	4/23/1992			TRUE		TRUE					
21513	SR557529	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21514	SR557530	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21515	SR557531	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	10/30/1991	8/13/2006	10/30/1991	8/13/2006	4/23/1992			TRUE		TRUE					
21516	SR557532	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21517	SR557533	SSG	EMPLACED_CNTR	8/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	10/30/1991	12/2/2004	10/30/1991	12/2/2004	4/23/1992			TRUE		TRUE					
21518	SR557534	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440	Remediate	1	10/30/1991	6/14/2006	10/30/1991	6/14/2006	4/23/1992			TRUE		TRUE					
21519	SR557535	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-MET	55440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21520	SR557536	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	10/30/1991	9/3/2005	10/30/1991	9/3/2005	4/23/1992			TRUE		TRUE					
21521	SR557537	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21522	SR557538	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21523	SR557539	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21524	SR557540	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21525	SR557541	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21526	SR557542	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	10/30/1991		10/30/1991		4/23/1992			TRUE		TRUE					
21527	SR557543	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/22/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21528	SR557544	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21529	SR557545	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21530	SR557546	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	11/20/1991	6/28/2006	11/22/1991	6/28/2006	5/16/1992			TRUE		TRUE					
21531	SR557547	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21532	SR557548	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21533	SR557549	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21534	SR557550	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/20/1991		11/22/1991		5/16/1992			TRUE		TRUE					
21535	SR557552	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	7/14/2005	1/20/1992	7/14/2005	7/14/1992			TRUE		TRUE					
21536	SR557553	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21537	SR557554	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	7/24/2005	1/20/1992	7/24/2005	7/14/1992			TRUE		TRUE					
21538	SR557555	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	7/20/2005	1/20/1992	7/20/2005	7/14/1992			TRUE		TRUE					
21539	SR557556	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21540	SR557557	SSG	EMPLACED_CNTR	6/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21541	SR557558	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21542	SR557559	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21543	SR557560	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21544	SR557561	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/30/1992	6/3/2006	1/30/1992	6/3/2006	7/14/1992			TRUE		TRUE					
21545	SR557562	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	12/3/2004	1/20/1992	12/3/2004	7/14/1992			TRUE		TRUE					
21546	SR557563	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21547	SR557564	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	9/22/2006	1/20/1992	9/22/2006	7/14/1992			TRUE		TRUE					
21548	SR557565	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/20/1992	5/20/2004	1/20/1992	5/20/2004	7/14/1992			TRUE		TRUE					
21549	SR557566	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21550	SR557567	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21551	SR557568	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/20/1992		1/20/1992		7/14/1992			TRUE		TRUE					
21552	SR557569	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/22/1992		1/22/1992		7/16/1992			TRUE		TRUE					
21553	SR557570	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/20/1992		3/20/1992		9/17/1992			TRUE		TRUE					
21554	SR557571	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	10/24/2006	3/2/1992	10/24/2006	8/25/1992			TRUE		TRUE					
21555	SR557572	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/2/1992		3/2/1992		8/25/1992			TRUE		TRUE					
21556	SR557573	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/2/1992		3/2/1992		8/25/1992			TRUE		TRUE					
21557	SR557574	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/2/1992		3/2/1992		8/25/1992			TRUE		TRUE					
21558	SR557575	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	6/14/2006	3/2/1992	6/14/2006	8/25/1992			TRUE		TRUE					
21559	SR557576	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	6/17/2006	3/2/1992	6/17/2006	8/25/1992			TRUE		TRUE					
21560	SR557577	SSG	EMPLACED_CNTR	3/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	8/3/2007	3/2/1992	8/3/2007	8/25/1992			TRUE		TRUE					
21561	SR557578	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	9/5/2006	3/2/1992	9/5/2006	8/25/1992			TRUE		TRUE					
21562	SR557579	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	6/19/2006	3/2/1992	6/19/2006	8/25/1992			TRUE		TRUE					
21563	SR557580	SSG	EMPLACED_CNTR	2/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	6/18/2006	3/2/1992	6/18/2006	8/25/1992			TRUE		TRUE					
21564	SR557581	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	3/2/1992	11/21/2006	3/2/1992	11/21/2006	8/25/1992			TRUE		TRUE					
21565	SR557582	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/2/1992		3/2/1992		8/25/1992			TRUE		TRUE					
21566	SR557583	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	4/14/1992	2/28/2007	4/14/1992	2/28/2007	10/7/1992			TRUE		TRUE					
21567	SR557584	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	V&P Purge	0	3/2/1992	3/2/1992	3/2/1992	8/12/2008	8/25/1992			TRUE		TRUE					
21568	SR557585	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	3/2/1992		3/2/1992		8/25/1992			TRUE		TRUE					
21569	SR557586	SSG	EMPLACED_CNTR	9/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	1/30/2004	5/14/1992	1/30/2004	11/6/1992			TRUE		TRUE					
21570	SR557587	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	9/25/2006	5/14/1992	9/25/2006	11/6/1992			TRUE		TRUE					
21571	SR557588	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	7/17/2007	5/14/1992	7/17/2007	11/6/1992			TRUE		TRUE					
21572	SR557589	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	8/8/2006	5/14/1992	8/8/2006	11/6/1992			TRUE		TRUE					
21573	SR557590	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	11/9/2006	5/14/1992	11/9/2006	11/6/1992			TRUE		TRUE					
21574	SR557591	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	1/30/2008	5/14/1992	1/30/2008	11/6/1992			TRUE		TRUE					
21575	SR557592	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	11/15/2006	5/14/1992	11/15/2006	11/6/1992			TRUE		TRUE					
21576	SR557593	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	10/24/2006	5/14/1992	10/24/2006	11/6/1992			TRUE		TRUE					
21577	SR557594	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	5/14/1992		5/14/1992		11/6/1992			TRUE		TRUE					
21578	SR557595	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	5/14/1992		5/14/1992		11/6/1992			TRUE		TRUE					
21579	SR557596	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	5/14/1992		5/14/1992		11/6/1993			TRUE		TRUE					
21580	SR557597	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	5/14/1992		5/14/1992		11/6/1992			TRUE		TRUE					
21581	SR557598	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	5/14/1992	4/15/2004	5/14/1992	4/15/2004	11/6/1992			TRUE		TRUE					
21582	SR559401	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21583	SR559602	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21584	SR559603	SSG	EMPLACED_CNTR	10/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21585	SR559604	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21586	SR559605	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21587	SR559607	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21588	SR559610	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/16/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21589	SR559613	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/29/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21590	SR559614	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/29/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21591	SR559615	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/29/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21592	SR559616	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	11/29/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21593	SR559620	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	12/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21594	SR559621	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	12/14/1989	6/5/2006	6/30/1995	6/5/2006	12/23/1995			TRUE		TRUE					
21595	SR559622	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	12/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21596	SR559623	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	12/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21597	SR559625	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	12/14/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21598	SR559626	SSG	EMPLACED_CNTR	5/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	12/14/1989	1/23/2008	6/30/1995	1/23/2008	12/23/1995			TRUE		TRUE					
21599	SR559627	SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21600	SR559628	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21601	SR559629	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21602	SR559630	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440	Remediate	1	1/16/1990	7/31/2006	6/30/1995	7/31/2006	12/23/1995			TRUE		TRUE					
21603	SR559631	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21604	SR559632	SSG	EMPLACED_CNTR	6/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21605	SR559633	SSG	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21606	SR559634	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/16/1990		6/30/1995		12/23/1995			TRUE		TRUE					
21607	SR559635	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221M-MET	SS440		0	1/25/1990		1/25/1990		7/20/1990			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21608	SR559636	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/25/1990		1/25/1990		7/20/1990			TRUE		TRUE					
21609	SR559637	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/25/1990		1/25/1990		7/20/1990			TRUE		TRUE					
21610	SR559638	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/25/1990		1/25/1990		7/20/1990			TRUE		TRUE					
21611	SR559639	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/25/1990		1/25/1990		7/20/1990			TRUE		TRUE					
21612	SR559642	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/2/1990		2/2/1990		7/28/1990			TRUE		TRUE					
21613	SR559643	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/2/1990		2/2/1990		7/28/1990			TRUE		TRUE					
21614	SR559644	55G	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/2/1990	1/18/2006	2/2/1990	1/18/2006	7/28/1990			TRUE		TRUE					
21615	SR559645	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/2/1990	5/20/2004	2/2/1990	5/20/2004	7/28/1990			TRUE		TRUE					
21616	SR559646	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/2/1990	5/19/2004	2/2/1990	5/19/2004	7/28/1990			TRUE		TRUE					
21617	SR559647	55G	EMPLACED_CNTR	3/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/2/1990	6/27/2006	2/2/1990	6/27/2006	7/28/1990			TRUE		TRUE					
21618	SR559648	55G	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/2/1990	6/22/2004	2/2/1990	6/22/2004	7/28/1990			TRUE		TRUE					
21619	SR559649	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/2/1990		2/2/1990		7/28/1990			TRUE		TRUE					
21620	SR559653	55G	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/14/1990	11/20/2006	2/14/1990	11/20/2006	8/9/1990			TRUE		TRUE					
21621	SR559655	55G	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/14/1990	10/18/2006	2/14/1990	10/16/2006	8/9/1990			TRUE		TRUE					
21622	SR559656	55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/14/1990	2/19/2006	2/14/1990	2/19/2006	8/9/1990			TRUE		TRUE					
21623	SR559657	55G	EMPLACED_CNTR	5/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/14/1990	12/1/2004	2/14/1990	12/1/2004	8/9/1990			TRUE		TRUE					
21624	SR559658	55G	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/14/1990		2/14/1990		8/9/1990			TRUE		TRUE					
21625	SR559665	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/14/1990	2/18/2006	2/14/1990	2/18/2006	8/9/1990			TRUE		TRUE					
21626	SR559666	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/14/1990		2/14/1990		8/9/1990			TRUE		TRUE					
21627	SR559667	55G	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/26/1990		2/26/1990		8/21/1990			TRUE		TRUE					
21628	SR559668	55G	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/26/1990	12/19/2006	2/26/1990	12/19/2006	8/21/1990			TRUE		TRUE					
21629	SR559669	55G	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/26/1990	9/7/2006	2/26/1990	9/7/2006	8/21/1990			TRUE		TRUE					
21630	SR559671	55G	EMPLACED_CNTR	6/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/26/1990	11/30/2004	2/26/1990	11/30/2004	8/21/1990			TRUE		TRUE					
21631	SR559672	55G	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	2/26/1990	7/7/2006	2/26/1990	7/7/2006	8/21/1990			TRUE		TRUE					
21632	SR559673	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/14/1990	5/23/2004	3/14/1990	5/23/2004	9/6/1990			TRUE		TRUE					
21633	SR559674	55G	EMPLACED_CNTR	9/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/14/1990	1/31/2008	3/14/1990	1/31/2008	9/6/1990			TRUE		TRUE					
21634	SR559674A	55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/31/2008		1/31/2008		7/23/2008			TRUE		TRUE					
21635	SR559675	55G	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	3/14/1990		3/14/1990		9/6/1990			TRUE		TRUE					
21636	SR559676	55G	EMPLACED_CNTR	5/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/14/1990	10/19/2007	3/14/1990	10/19/2007	9/6/1990			TRUE		TRUE					
21637	SR559677	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/14/1990	4/8/2004	3/14/1990	4/8/2004	9/6/1990			TRUE		TRUE					
21638	SR559678	55G	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	3/14/1990	11/16/2006	3/14/1990	11/16/2006	9/6/1990			TRUE		TRUE					
21639	SR559679	55G	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21640	SR559680	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21641	SR559681	55G	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21642	SR559682	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21643	SR559683	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21644	SR559684	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21645	SR559686	55G	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21646	SR559687	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	2/20/1991		2/20/1991		8/15/1991			TRUE		TRUE					
21647	SR561403	55G	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21648	SR561404	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21649	SR561405	55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21650	SR561406	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21651	SR561407	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21652	SR561409	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21653	SR561410	55G	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	7/28/1992	10/11/2006	7/28/1992	10/11/2006	1/20/1993			TRUE		TRUE					
21654	SR561411	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21655	SR561412	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21656	SR561413	55G	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	7/28/1992	4/17/2007	7/28/1992	4/17/2007	1/20/1993			TRUE		TRUE					
21657	SR561414	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	7/28/1992		7/28/1992		1/20/1993			TRUE		TRUE					
21658	SR561415	55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21659	SR561416	55G	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21660	SR561417	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21661	SR561418	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21662	SR561419	55G	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21663	SR561420	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21664	SR561423	55G	EMPLACED_CNTR	6/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/15/1992		10/15/1992		4/9/1993			TRUE		TRUE					
21665	SR561424	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	10/15/1992	3/4/2004	10/15/1992	3/4/2004	4/9/1993			TRUE		TRUE					
21666	SR561425	55G	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	10/15/1992	5/30/2004	10/15/1992	5/30/2004	4/9/1993			TRUE		TRUE					
21667	SR561426	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	11/23/1992		11/23/1992		5/18/1993			TRUE		TRUE					
21668	SR561427	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	11/23/1992		11/23/1992		5/18/1993			TRUE		TRUE					
21669	SR561428	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	11/23/1992		11/23/1992		5/18/1993			TRUE		TRUE					
21670	SR561429	55G	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	11/23/1992		11/23/1992		5/18/1993			TRUE		TRUE					
21671	SR561430	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	11/23/1992	7/16/2005	11/23/1992	7/16/2005	5/18/1993			TRUE		TRUE					
21672	SR561431	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	11/23/1992	3/29/2004	11/23/1992	3/29/2004	5/18/1993			TRUE		TRUE					
21673	SR561432	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21674	SR561433	55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21675	SR561434	55G	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21676	SR561435	55G	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21677	SR561436	55G	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/14/1993		1/14/1993		7/9/1993			TRUE		TRUE					
21678	SR561437	55G	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/14/1993	5/20/2004	1/14/1993	5/20/2004	7/9/1993			TRUE		TRUE					
21679	SR561438	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21680	SR561441	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21681	SR561442	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	12/17/1992		12/17/1992		6/11/1993			TRUE		TRUE					
21682	SR561443	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/21/1993		1/21/1993		7/16/1993			TRUE		TRUE					
21683	SR561444	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/17/1993		1/17/1993		7/12/1993			TRUE		TRUE					
21684	SR561446	55G	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/21/1993		1/21/1993		7/16/1993			TRUE		TRUE					
21685	SR561447	55G	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/21/1993		1/21/1993		7/16/1993			TRUE		TRUE					
21686	SR561448	55G	EMPLACED_CNTR	1/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/27/1993	7/18/2005	1/27/1993	7/18/2005	7/23/1993			TRUE		TRUE					
21687	SR561449	55G	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/21/1993		1/21/1993		7/16/1993			TRUE		TRUE					
21688	SR561451	55G	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/27/1993	2/14/2007	1/27/1993	2/14/2007	7/23/1993			TRUE		TRUE					
21689	SR561452	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440	Remediate	1	1/27/1993	5/30/2004	1/27/1993	5/30/2004	7/23/1993			TRUE		TRUE					
21690	SR561453	55G	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/7/1993		1/7/1993		7/2/1993			TRUE		TRUE					
21691	SR561454	55G	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/21/1993		1/21/1993		7/16/1993			TRUE		TRUE					
21692	SR561456	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/13/1993		1/13/1993		7/8/1993			TRUE		TRUE					
21693	SR561458	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	1/13/1993		1/13/1993		7/8/1993			TRUE		TRUE					
21694	SR570501	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/25/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21695	SR570502	55G	EMPLACED_CNTR	1/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	55440		0	10/30/1989		6/30/1995		12/13/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21696	SRS70503	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	10/30/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21697	SRS70504	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	10/30/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21698	SRS70505	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/2/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21699	SRS70506	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/2/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21700	SRS70507	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/2/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21701	SRS70508	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/2/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21702	SRS70509	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21703	SRS70510	SSG	EMPLACED_CNTR	2/8/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/2/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21704	SRS70511	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	10/11/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21705	SRS70512	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/7/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21706	SRS70513	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/7/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21707	SRS70514	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/7/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21708	SRS70515	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	11/7/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21709	SRS70516	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	12/1/1989	2/14/2007	6/30/1995	2/14/2007	12/23/1995			TRUE		TRUE					
21710	SRS70517	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	12/1/1989	1/15/2006	6/30/1995	1/15/2006	12/23/1995			TRUE		TRUE					
21711	SRS70518	SSG	EMPLACED_CNTR	6/24/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	12/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21712	SRS70519	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	12/29/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21713	SRS70520	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	12/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21714	SRS70521	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	12/1/1989		6/30/1995		12/23/1995			TRUE		TRUE					
21715	SRS70527	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/30/1990		3/30/1990		9/27/1990			TRUE		TRUE					
21716	SRS70538	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/10/1990		5/10/1990		11/2/1990			TRUE		TRUE					
21717	SRS70539	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/10/1990		5/10/1990		11/2/1990			TRUE		TRUE					
21718	SRS70544	SSG	APPROVED_CERT	12/13/2012 11:09	mccabed		SR-WD27-221H-HET	SS440		0	11/27/1990		11/27/1990	12/4/2012		SW15.3-SOP V&P 01 (NF30705)		TRUE	TRUE	TRUE					
21719	SRS77501	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21720	SRS77502	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21721	SRS77503	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21722	SRS77504	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21723	SRS77505	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/23/1993	11/27/2006	2/23/1993	11/27/2006	8/18/1993			TRUE		TRUE					
21724	SRS77506	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21725	SRS77507	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/23/1993	8/12/2005	2/23/1993	8/12/2005	8/18/1993			TRUE		TRUE					
21726	SRS77508	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21727	SRS77509	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21728	SRS77510	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21729	SRS77511	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21730	SRS77512	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	2/23/1993	5/31/2004	2/23/1993	5/31/2004	8/18/1993			TRUE		TRUE					
21731	SRS77513	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21732	SRS77514	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	2/23/1993		2/23/1993		8/18/1993			TRUE		TRUE					
21733	SRS77515	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	6/27/2006	3/11/1993	6/27/2006	9/3/1993			TRUE		TRUE					
21734	SRS77516	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	8/15/2006	3/11/1993	8/15/2006	9/3/1993			TRUE		TRUE					
21735	SRS77517	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	12/7/2004	3/11/1993	12/7/2004	9/3/1993			TRUE		TRUE					
21736	SRS77518	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/11/1993		3/11/1993		9/3/1993			TRUE		TRUE					
21737	SRS77519	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/11/1993		3/11/1993		9/3/1993			TRUE		TRUE					
21738	SRS77520	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/11/1993		3/11/1993		9/3/1993			TRUE		TRUE					
21739	SRS77521	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/11/1993		3/11/1993		9/3/1993			TRUE		TRUE					
21740	SRS77522	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	7/13/2007	3/11/1993	7/13/2007	9/3/1993			TRUE		TRUE					
21741	SRS77523	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	3/11/1993		3/11/1993		9/3/1993			TRUE		TRUE					
21742	SRS77524	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	3/9/2006	3/11/1993	3/9/2006	9/3/1993			TRUE		TRUE					
21743	SRS77525	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	3/11/1993	9/26/2006	3/11/1993	9/26/2006	9/3/1993			TRUE		TRUE					
21744	SRS77526	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/8/1993	7/15/2005	5/8/1993	7/15/2005	10/31/1993			TRUE		TRUE					
21745	SRS77527	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/8/1993	6/5/2006	5/8/1993	6/5/2006	10/31/1993			TRUE		TRUE					
21746	SRS77528	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/8/1993		5/8/1993		10/31/1993			TRUE		TRUE					
21747	SRS77529	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21748	SRS77530	SSG	EMPLACED_CNTR	3/5/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21749	SRS77531	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/19/1993	10/3/2006	5/19/1993	10/3/2006	11/11/1993			TRUE		TRUE					
21750	SRS77532	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21751	SRS77533	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21752	SRS77534	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21753	SRS77535	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/19/1993	8/19/2005	5/19/1993	8/19/2005	11/11/1993			TRUE		TRUE					
21754	SRS77536	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21755	SRS77537	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21756	SRS77538	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21757	SRS77539	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	5/19/1993	5/19/1993	5/19/1993	8/12/2008	11/11/1993			TRUE		TRUE					
21758	SRS77540	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21759	SRS77541	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21760	SRS77542	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	5/6/1993	5/6/1993	5/6/1993	12/1/2006	10/29/1993			TRUE		TRUE					
21761	SRS77543	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	V&P Purge	0	5/6/1993	5/6/1993	5/6/1993	9/1/2004	10/29/1993			TRUE		TRUE					
21762	SRS77544	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/6/1993	6/20/2006	5/6/1993	6/20/2006	10/29/1993			TRUE		TRUE					
21763	SRS77545	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21764	SRS77546	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21765	SRS77547	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/6/1993	8/30/2005	5/6/1993	8/30/2005	10/29/1993			TRUE		TRUE					
21766	SRS77548	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/6/1993	8/13/2005	5/6/1993	8/13/2005	10/29/1993			TRUE		TRUE					
21767	SRS77549	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21768	SRS77550	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21769	SRS77554	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21770	SRS77555	SSG	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/6/1993		5/6/1993		10/29/1993			TRUE		TRUE					
21771	SRS77556	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	5/8/1993	10/10/2006	5/8/1993	10/10/2006	10/31/1993			TRUE		TRUE					
21772	SRS77557	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21773	SRS77558	SSG	EMPLACED_CNTR	5/23/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/8/1993		5/8/1993		10/31/1993			TRUE		TRUE					
21774	SRS77559	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21775	SRS77560	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	5/19/1993		5/19/1993		11/11/1993			TRUE		TRUE					
21776	SRS77562	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	Remediate	1	6/28/1993	8/13/2005	6/28/1993	8/13/2005	12/21/1993			TRUE		TRUE					
21777	SRS77563	SSG	EMPLACED_CNTR	12/16/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	6/28/1993		6/28/1993		12/21/1993			TRUE		TRUE					
21778	SRS77564	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	6/28/1993		6/28/1993		12/21/1993			TRUE		TRUE					
21779	SRS77565	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	6/28/1993		6/28/1993		12/21/1993			TRUE		TRUE					
21780	SRS77566	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	6/28/1993		6/28/1993		12/21/1993			TRUE		TRUE					
21781	SRS77567	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	7/21/1993		7/21/1993		1/13/1994			TRUE		TRUE					
21782	SRS77568	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440	V&P Vent	0	7/21/1993	7/21/1993	7/21/1993	8/15/2008	1/13/1994			TRUE		TRUE					
21783	SRS77569	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	SS440		0	6/28/1993		6/28/1993		12/21/1993			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21784	SR577570	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/28/1993	6/28/1993	6/28/1993	12/2/2006	12/21/1993			TRUE		TRUE					
21785	SR577571	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/21/1993	10/18/2006	7/21/1993	10/18/2006	1/13/1994			TRUE		TRUE					
21786	SR577572	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	7/21/1993		7/21/1993		1/13/1994			TRUE		TRUE					
21787	SR577573	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/21/1993	7/21/1993	7/21/1993	9/8/2006	1/13/1994			TRUE		TRUE					
21788	SR577576	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	7/21/1993		7/21/1993		1/13/1994			TRUE		TRUE					
21789	SR577577	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	7/21/1993		7/21/1993		1/13/1994			TRUE		TRUE					
21790	SR577578	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/21/1993	7/21/1993	7/21/1993	8/24/2006	1/13/1994			TRUE		TRUE					
21791	SR577580	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/21/1993	4/2/2004	7/21/1993	4/2/2004	1/13/1994			TRUE		TRUE					
21792	SR577581	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/17/1993	8/17/1993	8/17/1993	10/21/2006	2/9/1994			TRUE		TRUE					
21793	SR577582	SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/17/1993	8/17/1993	8/17/1993	8/15/2006	2/9/1994			TRUE		TRUE					
21794	SR577583	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/17/1993	10/10/2006	8/17/1993	10/10/2006	2/9/1994			TRUE		TRUE					
21795	SR577584	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/17/1993	3/12/2007	8/17/1993	3/12/2007	2/9/1994			TRUE		TRUE					
21796	SR577585	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/17/1993	9/26/2006	8/17/1993	9/26/2006	2/9/1994			TRUE		TRUE					
21797	SR577586	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/17/1993	8/17/1993	8/17/1993	11/10/2006	2/9/1994			TRUE		TRUE					
21798	SR577587	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/26/1993	8/31/2005	8/26/1993	8/31/2005	2/18/1994			TRUE		TRUE					
21799	SR577588	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/26/1993	2/20/2006	8/26/1993	2/20/2006	2/18/1994			TRUE		TRUE					
21800	SR577589	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/26/1993		8/26/1993		2/18/1994			TRUE		TRUE					
21801	SR577590	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/26/1993	11/9/2006	8/26/1993	11/9/2006	2/18/1994			TRUE		TRUE					
21802	SR577592	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/26/1993	9/6/2006	8/26/1993	9/6/2006	2/18/1994			TRUE		TRUE					
21803	SR577593	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/26/1993		8/26/1993		2/18/1994			TRUE		TRUE					
21804	SR577594	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/26/1993		8/26/1993		2/18/1994			TRUE		TRUE					
21805	SR577595	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/26/1993		8/26/1993		2/18/1994			TRUE		TRUE					
21808	SR577596	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/26/1993		8/26/1993		2/18/1994			TRUE		TRUE					
21807	SR593104	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/29/1993	8/29/1993	8/29/1993	12/3/2006	2/21/1994			TRUE		TRUE					
21808	SR593105	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21809	SR593106	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/29/1993	8/29/1993	8/29/1993	8/19/2006	2/21/1994			TRUE		TRUE					
21810	SR593107	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21811	SR593108	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21812	SR593109	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21813	SR593110	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21814	SR593111	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/29/1993	3/6/2008	8/29/1993	3/6/2008	2/21/1994			TRUE		TRUE					
21815	SR593112	SSG	EMPLACED_CNTR	12/29/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21816	SR593113	SSG	EMPLACED_CNTR	10/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21817	SR593116	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/29/1993	3/10/2006	8/29/1993	3/10/2006	2/21/1994			TRUE		TRUE					
21818	SR593117	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	8/29/1993	8/19/1993	8/29/1993	8/19/2006	2/21/1994			TRUE		TRUE					
21819	SR593118	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21820	SR593119	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/29/1993	6/4/2006	8/29/1993	6/4/2006	2/21/1994			TRUE		TRUE					
21821	SR593120	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/29/1993	7/17/2006	8/29/1993	7/17/2006	2/21/1994			TRUE		TRUE					
21822	SR593121	SSG	EMPLACED_CNTR	4/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	8/29/1993		8/29/1993		2/21/1994			TRUE		TRUE					
21823	SR593122	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/4/1993	8/29/2006	9/4/1993	8/29/2006	2/27/1994			TRUE		TRUE					
21824	SR593123	SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/4/1993	9/2/2006	9/4/1993	9/2/2006	2/27/1994			TRUE		TRUE					
21825	SR593124	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21826	SR593125	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/4/1993	11/28/2006	9/4/1993	11/28/2006	2/27/1994			TRUE		TRUE					
21827	SR593126	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21828	SR593127	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21829	SR593128	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21830	SR593129	SSG	EMPLACED_CNTR	6/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21831	SR593130	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/4/1993	4/12/2007	9/4/1993	4/12/2007	2/27/1994			TRUE		TRUE					
21832	SR593131	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/4/1993		9/4/1993		2/27/1994			TRUE		TRUE					
21833	SR593132	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/21/1993		9/21/1993		3/16/1994			TRUE		TRUE					
21834	SR593133	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/21/1993		9/21/1993		3/16/1994			TRUE		TRUE					
21835	SR593134	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/21/1993		9/21/1993		3/16/1994			TRUE		TRUE					
21836	SR593135	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/21/1993	7/13/2007	9/21/1993	7/13/2007	3/16/1994			TRUE		TRUE					
21837	SR593136	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/21/1993		9/21/1993		3/16/1994			TRUE		TRUE					
21838	SR593137	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	9/21/1993	9/21/1993	9/21/1993	4/19/2005	3/16/1994			TRUE		TRUE					
21839	SR593138	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	9/21/1993	9/21/1993	9/21/1993	9/19/2006	3/16/1994			TRUE		TRUE					
21840	SR593139	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/21/1993		9/21/1993		3/16/1994			TRUE		TRUE					
21841	SR593140	SSG	EMPLACED_CNTR	6/4/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/22/1993		9/22/1993		3/17/1994			TRUE		TRUE					
21842	SR593141	SSG	EMPLACED_CNTR	6/23/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	9/22/1993	9/22/1993	9/22/1993	8/26/2006	3/17/1994			TRUE		TRUE					
21843	SR593142	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/22/1993		9/22/1993		3/17/1994			TRUE		TRUE					
21844	SR593143	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/22/1993	9/22/1993	9/22/1993	12/10/2006	3/17/1994			TRUE		TRUE					
21845	SR593144	SSG	EMPLACED_CNTR	9/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/22/1993		9/22/1993		3/17/1994			TRUE		TRUE					
21846	SR593145	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1993	8/20/2006	9/22/1993	8/20/2006	3/17/1994			TRUE		TRUE					
21847	SR593146	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/22/1993		9/22/1993		3/17/1994			TRUE		TRUE					
21848	SR593147	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1993	6/5/2006	9/22/1993	6/5/2006	3/17/1994			TRUE		TRUE					
21849	SR593148	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	9/22/1993		9/22/1993		3/17/1994			TRUE		TRUE					
21850	SR593149	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/22/1993	9/22/1993	9/22/1993	8/15/2006	3/17/1994			TRUE		TRUE					
21851	SR593150	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/22/1993	9/22/1993	9/22/1993	8/24/2006	3/17/1994			TRUE		TRUE					
21852	SR593151	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/6/1993	5/18/2006	10/6/1993	5/18/2006	3/31/1994			TRUE		TRUE					
21853	SR593152	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/6/1993		10/6/1993		3/31/1994			TRUE		TRUE					
21854	SR593153	SSG	EMPLACED_CNTR	10/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/6/1993		10/6/1993		3/31/1994			TRUE		TRUE					
21855	SR593154	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/6/1993	8/18/2006	10/6/1993	8/18/2006	3/31/1994			TRUE		TRUE					
21856	SR593155	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/6/1993	10/6/1993	10/6/1993	12/2/2006	3/31/1994			TRUE		TRUE					
21857	SR593157	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/6/1993		10/6/1993		3/31/1994			TRUE		TRUE					
21858	SR593161	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/6/1993	10/6/1993	10/6/1993	10/30/2006	3/31/1994			TRUE		TRUE					
21859	SR593162	SSG	EMPLACED_CNTR	3/24/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/6/1993		10/6/1993		3/31/1994			TRUE		TRUE					
21860	SR593163	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/21/1993	8/19/2006	10/21/1993	8/19/2006	4/15/1994			TRUE		TRUE					
21861	SR593164	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/21/1993	7/17/2005	10/21/1993	7/17/2005	4/15/1994			TRUE		TRUE					
21862	SR593165	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/21/1993		10/21/1993		4/15/1994			TRUE		TRUE					
21863	SR593166	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/21/1993		10/21/1993		4/15/1994			TRUE		TRUE					
21864	SR593167	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/21/1993	7/12/2006	10/21/1993	7/12/2006	4/15/1994			TRUE		TRUE					
21865	SR593168	SSG	EMPLACED_CNTR	3/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/21/1993	6/12/2006	10/21/1993	6/12/2006	4/15/1994			TRUE		TRUE					
21866	SR593189	SSG	EMPLACED_CNTR	11/20/2009 10:57	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/21/1993	10/16/2006	10/21/1993	10/16/2006	4/15/1994			TRUE		TRUE					
21867	SR593170	SSG	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/20/1993		10/20/1993		4/14/1994			TRUE		TRUE					
21868	SR593171	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/20/1993		10/20/1993		4/14/1994			TRUE		TRUE					
21869	SR593172	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	10/20/1993	10/20/1993	10/20/1993	12/9/2006	4/14/1994			TRUE		TRUE					
21870	SR593173	SSG	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/20/1993	4/15/2004	10/20/1993	4/15/2004	4/14/1994			TRUE		TRUE					
21871	SR593174	SSG	EMPLACED_CNTR	8/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	55440		0	10/20/1993		10/20/1993		4/14/1994			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21872	SR593175	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/20/1993	7/15/2006	10/20/1993	7/15/2006	4/14/1994			TRUE		TRUE					
21873	SR593176	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/20/1993	10/20/1993	10/20/1993	11/18/2006	4/14/1994			TRUE		TRUE					
21874	SR593177	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/20/1993	10/20/1993	10/20/1993	4/12/2004	4/14/1994			TRUE		TRUE					
21875	SR593179	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/26/1993		10/26/1993		4/20/1994			TRUE		TRUE					
21876	SR593181	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/26/1993		10/26/1993		4/20/1994			TRUE		TRUE					
21877	SR593182	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/26/1993	10/26/1993	10/26/1993	1/2/2007	4/20/1994			TRUE		TRUE					
21878	SR593184	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/26/1993	9/7/2008	10/26/1993	9/7/2008	4/20/1994			TRUE		TRUE					
21879	SR593185	SSG	EMPLACED_CNTR	4/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/26/1993		10/26/1993		4/20/1994			TRUE		TRUE					
21880	SR593186	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/26/1993		10/26/1993		4/20/1994			TRUE		TRUE					
21881	SR593188	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/29/1993	10/29/1993	10/29/1993	12/9/2006	4/23/1994			TRUE		TRUE					
21882	SR593189	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/29/1993		10/29/1993		4/23/1994			TRUE		TRUE					
21883	SR593190	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/29/1993	10/29/1993	10/29/1993	8/16/2006	4/23/1994			TRUE		TRUE					
21884	SR593191	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/29/1993		10/29/1993		4/23/1994			TRUE		TRUE					
21885	SR593192	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	10/29/1993	10/29/1993	10/29/1993	3/30/2004	4/23/1994			TRUE		TRUE					
21886	SR593193	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/29/1993		10/29/1993		4/23/1994			TRUE		TRUE					
21887	SR593194	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/29/1993	10/29/1993	10/29/1993	11/18/2006	4/23/1994			TRUE		TRUE					
21888	SR593195	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/29/1993	4/3/2006	10/29/1993	4/3/2006	4/23/1994			TRUE		TRUE					
21889	SR593196	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/29/1993	6/13/2006	10/29/1993	6/13/2006	4/23/1994			TRUE		TRUE					
21890	SR593197	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/29/1993	10/29/1993	10/29/1993	11/14/2006	4/23/1994			TRUE		TRUE					
21891	SR597401	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21892	SR597402	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21893	SR597403	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/11/1993	8/31/2005	11/11/1993	8/31/2005	5/6/1994			TRUE		TRUE					
21894	SR597404	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21895	SR597405	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/11/1993	8/14/2005	11/11/1993	8/14/2005	5/6/1994			TRUE		TRUE					
21896	SR597406	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21897	SR597407	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21898	SR597408	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/11/1993		11/11/1993		5/6/1994			TRUE		TRUE					
21899	SR597409	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	11/26/1993	11/26/1993	11/26/1993	9/9/2004	5/21/1994			TRUE		TRUE					
21900	SR597410	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/26/1993		11/26/1993		5/21/1994			TRUE		TRUE					
21901	SR597411	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/26/1993		11/26/1993		5/21/1994			TRUE		TRUE					
21902	SR597412	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/26/1993	1/31/2007	11/26/1993	1/31/2007	5/21/1994			TRUE		TRUE					
21903	SR597412A	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1		1/31/2007		1/31/2007				TRUE		TRUE					
21904	SR597413	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/24/1993		11/26/1993		5/21/1994			TRUE		TRUE					
21905	SR597414	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	11/26/1993		11/26/1993		5/21/1994			TRUE		TRUE					
21906	SR597415	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/2/1993	3/4/2008	12/2/1993	3/4/2008	5/27/1994			TRUE		TRUE					
21907	SR597416	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/2/1993		12/2/1993		5/27/1994			TRUE		TRUE					
21908	SR597417	SSG	EMPLACED_CNTR	5/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/2/1993		12/2/1993		5/27/1994			TRUE		TRUE					
21909	SR597418	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/2/1993		12/2/1993		5/27/1994			TRUE		TRUE					
21910	SR597419	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	12/2/1993	12/2/1993	12/2/1993	8/19/2006	5/27/1994			TRUE		TRUE					
21911	SR597420	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/2/1993	4/9/2004	12/2/1993	4/9/2004	5/27/1994			TRUE		TRUE					
21912	SR597421	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/2/1993	12/2/1993	12/2/1993	11/14/2006	5/27/1994			TRUE		TRUE					
21913	SR597422	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/2/1993		12/2/1993		5/27/1994			TRUE		TRUE					
21914	SR597423	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/10/1993		12/10/1993		6/4/1994			TRUE		TRUE					
21915	SR597424	SSG	EMPLACED_CNTR	8/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/10/1993	4/2/2006	12/10/1993	4/2/2006	6/4/1994			TRUE		TRUE					
21916	SR597425	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/10/1993		12/10/1993		6/4/1994			TRUE		TRUE					
21917	SR597426	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	12/10/1993		12/10/1993		6/4/1994			TRUE		TRUE					
21918	SR597427	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/10/1993	7/7/2006	12/10/1993	7/7/2006	6/4/1994			TRUE		TRUE					
21919	SR597428	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/12/1993	11/30/2007	10/12/1993	11/30/2007	4/6/1994			TRUE		TRUE					
21920	SR597429	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	10/12/1993		10/12/1993		4/6/1994			TRUE		TRUE					
21921	SR597430	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/10/1993	8/14/2005	12/10/1993	8/14/2005	6/4/1994			TRUE		TRUE					
21922	SR597432	SSG	EMPLACED_CNTR	8/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	1/5/1994	1/5/1994	1/5/1994	4/1/2004	6/30/1994			TRUE		TRUE					
21923	SR597433	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	11/30/2004	1/5/1994	11/30/2004	6/30/1994			TRUE		TRUE					
21924	SR597434	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	1/5/1994	1/5/1994	1/5/1994	3/27/2004	6/30/1994			TRUE		TRUE					
21925	SR597435	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	6/21/2004	1/5/1994	6/21/2004	6/30/1994			TRUE		TRUE					
21926	SR597436	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	11/5/2006	1/5/1994	11/5/2006	6/30/1994			TRUE		TRUE					
21927	SR597437	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/5/1994		1/5/1994		6/30/1994			TRUE		TRUE					
21928	SR597438	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	8/4/2004	1/5/1994	8/4/2004	6/30/1994			TRUE		TRUE					
21929	SR597439	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	3/19/2006	1/5/1994	3/19/2006	6/30/1994			TRUE		TRUE					
21930	SR587440	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/5/1994		1/5/1994		6/30/1994			TRUE		TRUE					
21931	SR597441	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	1/5/1994	1/5/1994	1/5/1994	12/9/2006	6/30/1994			TRUE		TRUE					
21932	SR597442	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	12/2/2004	1/5/1994	12/2/2004	6/30/1994			TRUE		TRUE					
21933	SR597443	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/5/1994		1/5/1994		6/30/1994			TRUE		TRUE					
21934	SR597444	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/5/1994	6/21/2004	1/5/1994	6/21/2004	6/30/1994			TRUE		TRUE					
21935	SR597445	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/17/1994		1/17/1994		7/12/1994			TRUE		TRUE					
21936	SR597446	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/17/1994	3/8/2006	1/17/1994	3/8/2006	7/12/1994			TRUE		TRUE					
21937	SR597448	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/14/1994		1/14/1994		7/9/1994			TRUE		TRUE					
21938	SR597449	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/14/1994		1/14/1994		7/9/1994			TRUE		TRUE					
21939	SR597450	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/14/1994	4/21/2006	1/14/1994	4/21/2006	7/9/1994			TRUE		TRUE					
21940	SR587452	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/14/1994	2/23/2006	1/14/1994	2/23/2006	7/9/1994			TRUE		TRUE					
21941	SR597457	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/25/1994		1/25/1994		7/20/1994			TRUE		TRUE					
21942	SR597458	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	3/12/2007	1/25/1994	3/12/2007	7/20/1994			TRUE		TRUE					
21943	SR597459	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/25/1994		1/25/1994		7/20/1994			TRUE		TRUE					
21944	SR597460	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	10/5/2006	1/25/1994	10/5/2006	7/20/1994			TRUE		TRUE					
21945	SR587461	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	9/8/2006	1/25/1994	9/8/2006	7/20/1994			TRUE		TRUE					
21946	SR597462	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/25/1994		1/25/1994		7/20/1994			TRUE		TRUE					
21947	SR597463	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	8/15/2005	1/25/1994	8/15/2005	7/20/1994			TRUE		TRUE					
21948	SR597464	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	3/8/2006	1/25/1994	3/8/2006	7/20/1994			TRUE		TRUE					
21949	SR597465	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/25/1994	9/11/2006	1/25/1994	9/11/2006	7/20/1994			TRUE		TRUE					
21950	SR587466	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/25/1994		1/25/1994		7/20/1994			TRUE		TRUE					
21951	SR597467	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	1/25/1994		1/25/1994		7/20/1994			TRUE		TRUE					
21952	SR597469	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21953	SR597470	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21954	SR597471	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21955	SR587472	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21956	SR597473	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21957	SR597474	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21958	SR597475	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					
21959	SR587476	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/9/1994		2/9/1994		8/4/1994			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
21960	SR597477		55G	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/9/1994		2/9/1994		8/4/1994				TRUE		TRUE					
21961	SR597478		55G	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/9/1994	8/11/2005	2/9/1994	8/11/2005	8/4/1994				TRUE		TRUE					
21962	SR597479		55G	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/9/1994		2/9/1994		8/4/1994				TRUE		TRUE					
21963	SR597480		55G	EMPLACED_CNTR	10/9/2011 10:54	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/9/1994	8/20/2005	2/9/1994	8/20/2005	8/4/1994	WWS_Status_APPROVED_CERT			TRUE	TRUE	TRUE					
21964	SR597481		55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/9/1994	9/4/2005	2/9/1994	9/4/2005	8/4/1994				TRUE		TRUE					
21965	SR597482		55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/9/1994	8/29/2005	2/9/1994	8/29/2005	8/4/1994				TRUE		TRUE					
21966	SR597483		55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/9/1994	8/20/2005	2/9/1994	8/20/2005	8/4/1994				TRUE		TRUE					
21967	SR597484		55G	EMPLACED_CNTR	11/9/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/9/1994		2/9/1994		8/4/1994				TRUE		TRUE					
21968	SR597485		55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21969	SR597486		55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21970	SR597487		55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21971	SR597488		55G	EMPLACED_CNTR	9/4/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21972	SR597489		55G	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/17/1994	12/7/2006	2/17/1994	12/7/2006	8/12/1994				TRUE		TRUE					
21973	SR597490		55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21974	SR597491		55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21975	SR597492		55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21976	SR597493		55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	V&P Purge	0	2/17/1994	2/17/1994	2/17/1994	9/7/2005	8/12/1994				TRUE		TRUE					
21977	SR597494		55G	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21978	SR597495		55G	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/17/1994	11/19/2006	2/17/1994	11/19/2006	8/12/1994				TRUE		TRUE					
21979	SR597496		55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/17/1994		2/17/1994		8/12/1994				TRUE		TRUE					
21980	SR597901		55G	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21981	SR597902		55G	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21982	SR597903		55G	EMPLACED_CNTR	9/28/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21983	SR597904		55G	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21984	SR597905		55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	6/16/2006	2/28/1996	6/16/2006	8/22/1996				TRUE		TRUE					
21985	SR597906		55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	1/9/2007	2/28/1996	1/9/2007	8/22/1996				TRUE		TRUE					
21986	SR597907		55G	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21987	SR597908		55G	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	1/9/2007	2/28/1996	1/9/2007	8/22/1996				TRUE		TRUE					
21988	SR597909		55G	EMPLACED_CNTR	1/9/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21989	SR597910		55G	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	12/4/2007	2/28/1996	12/4/2007	8/22/1996				TRUE		TRUE					
21990	SR597911		55G	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	1/9/2007	2/28/1996	1/9/2007	8/22/1996				TRUE		TRUE					
21991	SR597912		55G	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	12/10/2006	2/28/1996	12/10/2006	8/22/1996				TRUE		TRUE					
21992	SR597913		55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21993	SR597914		55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21994	SR597915		55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21995	SR597916		55G	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21996	SR597917		55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	2/28/1996	5/5/2005	2/28/1996	5/5/2005	8/22/1996				TRUE		TRUE					
21997	SR597918		55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	2/28/1996		2/28/1996		8/22/1996				TRUE		TRUE					
21998	SR597919		55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
21999	SR597920		55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22000	SR597921		55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22001	SR597923		55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22002	SR597924		55G	EMPLACED_CNTR	9/2/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/5/1996	4/17/2006	3/5/1996	4/17/2006	8/28/1996				TRUE		TRUE					
22003	SR597926		55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22004	SR597927		55G	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22005	SR597929		55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22006	SR597930		55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22007	SR597931		55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/5/1996	3/29/2007	3/5/1996	3/29/2007	8/28/1996				TRUE		TRUE					
22008	SR597934		55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22009	SR597938		55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22010	SR597939		55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22011	SR597940		55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22012	SR597941		55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/5/1996		3/5/1996		8/28/1996				TRUE		TRUE					
22013	SR597944		55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	5/8/1996	11/15/2006	5/8/1996	11/15/2006	10/31/1996				TRUE		TRUE					
22014	SR601501		55G	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22015	SR601502		55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22016	SR601503		55G	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22017	SR601504		55G	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22018	SR601505		55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22019	SR601506		55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/2/1994	8/23/2005	3/2/1994	8/23/2005	8/25/1994				TRUE		TRUE					
22020	SR601507		55G	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/2/1994	1/16/2006	3/2/1994	1/16/2006	8/25/1994				TRUE		TRUE					
22021	SR601508		55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22022	SR601509		55G	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22023	SR601510		55G	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22024	SR601511		55G	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	V&P Purge	0	3/2/1994	3/2/1994	3/2/1994	8/25/2006	8/25/1994				TRUE		TRUE					
22025	SR601512		55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22026	SR601513		55G	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22027	SR601514		55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22028	SR601515		55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22029	SR601517		55G	EMPLACED_CNTR	9/22/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/9/1994		3/9/1994		9/1/1994				TRUE		TRUE					
22030	SR601520		55G	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22031	SR601521		55G	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22032	SR601523		55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22033	SR601524		55G	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/2/1994		3/2/1994		8/25/1994				TRUE		TRUE					
22034	SR601528		55G	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/9/1994	5/13/2004	3/9/1994	5/13/2004	9/1/1994				TRUE		TRUE					
22035	SR601530		55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/9/1994	5/24/2004	3/9/1994	5/24/2004	9/1/1994				TRUE		TRUE					
22036	SR601531		55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/9/1994	1/14/2008	3/9/1994	1/14/2008	9/1/1994				TRUE		TRUE					
22037	SR601532		55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/9/1994		3/9/1994		9/1/1994				TRUE		TRUE					
22038	SR601533		55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/9/1994	7/15/2006	3/9/1994	7/15/2006	9/1/1994				TRUE		TRUE					
22039	SR601534		55G	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/9/1994		3/9/1994		9/1/1994				TRUE		TRUE					
22040	SR601535		55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/9/1994		3/9/1994		9/1/1994				TRUE		TRUE					
22041	SR601536		55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/9/1994	1/5/2006	3/9/1994	1/5/2006	9/1/1994				TRUE		TRUE					
22042	SR601537		55G	EMPLACED_CNTR	7/13/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/13/1994	1/31/2008	3/13/1994	1/31/2008	9/15/1994				TRUE		TRUE					
22043	SR601538		55G	EMPLACED_CNTR	8/7/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/23/1994		3/23/1994		9/15/1994				TRUE		TRUE					
22044	SR601539		55G	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/23/1994		3/23/1994		9/15/1994				TRUE		TRUE					
22045	SR601540		55G	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/23/1994		3/23/1994		9/15/1994				TRUE		TRUE					
22046	SR601541		55G	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440		0	3/23/1994		3/23/1994		9/15/1994				TRUE		TRUE					
22047	SR601542		55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-221H-HET	55440	Remediate	1	3/23/1994	6/26/2006	3/23/1994	6/26/2006	9/15/1994				TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22048	SR601543	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	3/23/1994	4/18/2007	3/23/1994	4/18/2007	9/15/1994			TRUE		TRUE					
22049	SR601544	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/23/1994		3/23/1994		9/15/1994			TRUE		TRUE					
22050	SR601545	SSG	EMPLACED_CNTR	4/24/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	3/23/1994	11/27/2006	3/23/1994	11/27/2006	9/15/1994			TRUE		TRUE					
22051	SR601546	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	3/23/1994	11/17/2006	3/23/1994	11/17/2006	9/15/1994			TRUE		TRUE					
22052	SR601546A	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1		11/17/2006		11/17/2006				TRUE		TRUE					
22053	SR601547	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	3/23/1994	11/1/2006	3/23/1994	11/1/2006	9/15/1994			TRUE		TRUE					
22054	SR601548	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/23/1994		3/23/1994		9/15/1994			TRUE		TRUE					
22055	SR601549	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Purge	0	3/23/1994	3/23/1994	3/23/1994	4/24/2005	9/15/1994			TRUE		TRUE					
22056	SR601550	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22057	SR601551	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22058	SR601552	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22059	SR601553	SSG	EMPLACED_CNTR	7/25/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22060	SR601554	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	3/31/1994	6/17/2006	3/31/1994	6/17/2006	9/23/1994			TRUE		TRUE					
22061	SR601555	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22062	SR601556	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22063	SR601557	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22064	SR601558	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	3/31/1994		3/31/1994		9/23/1994			TRUE		TRUE					
22065	SR601559	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22066	SR601560	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/11/1994	6/17/2006	4/11/1994	6/17/2006	10/4/1994			TRUE		TRUE					
22067	SR601561	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22068	SR601562	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22069	SR601563	SSG	EMPLACED_CNTR	4/13/2009	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/11/1994	9/4/2006	4/11/1994	9/4/2006	10/4/1994			TRUE		TRUE					
22070	SR601564	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22071	SR601565	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/11/1994	9/1/2005	4/11/1994	9/1/2005	10/4/1994			TRUE		TRUE					
22072	SR601566	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/11/1994	7/20/2005	4/11/1994	7/20/2005	10/4/1994			TRUE		TRUE					
22073	SR601567	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22074	SR601568	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22075	SR601569	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22076	SR601570	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/11/1994		4/11/1994		10/4/1994			TRUE		TRUE					
22077	SR601571	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/14/1994		4/14/1994		10/7/1994			TRUE		TRUE					
22078	SR601572	SSG	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/14/1994		4/14/1994		10/7/1994			TRUE		TRUE					
22079	SR601573	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Vent	0	4/14/1994	4/14/1994	4/14/1994	8/10/2006	10/7/1994			TRUE		TRUE					
22080	SR601574	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/14/1994		4/14/1994		10/7/1994			TRUE		TRUE					
22081	SR601576	SSG	EMPLACED_CNTR	4/15/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Vent	0	4/14/1994	4/14/1994	4/14/1994	1/1/2007	10/7/1994			TRUE		TRUE					
22082	SR601578	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/14/1994		4/14/1994		10/7/1994			TRUE		TRUE					
22083	SR601579	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/14/1994		4/14/1994		10/7/1994			TRUE		TRUE					
22084	SR601581	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22085	SR601582	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22086	SR601583	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22087	SR601584	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Purge	0	4/22/1994	4/22/1994	4/22/1994	11/24/2004	10/15/1994			TRUE		TRUE					
22088	SR601585	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22089	SR601586	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22090	SR601587	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22091	SR601588	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Purge	0	4/22/1994	4/22/1994	4/22/1994	11/5/2005	10/15/1994			TRUE		TRUE					
22092	SR601589	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/22/1994	1/1/2007	4/22/1994	1/1/2007	10/15/1994			TRUE		TRUE					
22093	SR601590	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/22/1994		4/22/1994		10/15/1994			TRUE		TRUE					
22094	SR601591	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/22/1994	2/17/2006	4/22/1994	2/17/2006	10/15/1994			TRUE		TRUE					
22095	SR601592	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/28/1994		4/28/1994		10/21/1994			TRUE		TRUE					
22096	SR601593	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/28/1994		4/28/1994		10/21/1994			TRUE		TRUE					
22097	SR601594	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/28/1994	6/26/2006	4/28/1994	6/26/2006	10/21/1994			TRUE		TRUE					
22098	SR601595	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	4/28/1994		4/28/1994		10/21/1994			TRUE		TRUE					
22099	SR601596	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/28/1994	10/27/2006	4/28/1994	10/27/2006	10/21/1994			TRUE		TRUE					
22100	SR601597	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	4/28/1994	6/12/2006	4/28/1994	6/12/2006	10/21/1994			TRUE		TRUE					
22101	SR601598	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/2/1994		5/2/1994		10/25/1994			TRUE		TRUE					
22102	SR601599	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/2/1994	12/18/2005	5/2/1994	12/18/2005	10/25/1994			TRUE		TRUE					
22103	SR601600	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/3/1994		5/3/1994		10/26/1994			TRUE		TRUE					
22104	SR608151	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/3/1994	1/13/2006	5/3/1994	1/13/2006	10/26/1994			TRUE		TRUE					
22105	SR608152	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/3/1994	8/28/2005	5/3/1994	8/28/2005	10/26/1994			TRUE		TRUE					
22106	SR608153	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/3/1994		5/3/1994		10/26/1994			TRUE		TRUE					
22107	SR608154	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/16/1994	5/31/2004	5/16/1994	5/31/2004	11/8/1994			TRUE		TRUE					
22108	SR608155	SSG	EMPLACED_CNTR	6/9/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22109	SR608156	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/16/1994	11/26/2006	5/16/1994	11/26/2006	11/8/1994			TRUE		TRUE					
22110	SR608157	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22111	SR608158	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22112	SR608159	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/16/1994	5/30/2004	5/16/1994	5/30/2004	11/8/1994			TRUE		TRUE					
22113	SR608160	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22114	SR608161	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22115	SR608162	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22116	SR608163	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22117	SR608164	SSG	EMPLACED_CNTR	12/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22118	SR608165	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22119	SR608166	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22120	SR608167	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/12/1994		5/12/1994		11/4/1994			TRUE		TRUE					
22121	SR608169	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/12/1994	10/10/2006	5/12/1994	10/10/2006	11/4/1994			TRUE		TRUE					
22122	SR608170	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Vent	0	5/12/1994	5/12/1994	5/12/1994	12/10/2006	11/4/1994			TRUE		TRUE					
22123	SR608171	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/16/1994		5/16/1994		11/8/1994			TRUE		TRUE					
22124	SR608172	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/19/1994	3/1/2007	5/19/1994	3/1/2007	11/11/1994			TRUE		TRUE					
22125	SR608173	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Vent	0	5/19/1994	5/19/1994	5/19/1994	12/1/2006	11/11/1994			TRUE		TRUE					
22126	SR608174	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/19/1994		5/19/1994		11/11/1994			TRUE		TRUE					
22127	SR608175	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	V&P Vent	0	5/19/1994	5/19/1994	5/19/1994	8/20/2006	11/11/1994			TRUE		TRUE					
22128	SR608176	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/19/1994	6/13/2006	5/19/1994	6/13/2006	11/11/1994			TRUE		TRUE					
22129	SR608177	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/19/1994		5/19/1994		11/11/1994			TRUE		TRUE					
22130	SR608178	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/19/1994		5/19/1994		11/11/1994			TRUE		TRUE					
22131	SR608179	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/19/1994		5/19/1994		11/11/1994			TRUE		TRUE					
22132	SR608180	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440		0	5/19/1994		5/19/1994		11/11/1994			TRUE		TRUE					
22133	SR608181	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/19/1994	1/15/2006	5/19/1994	1/15/2006	11/11/1994			TRUE		TRUE					
22134	SR608182	SSG	EMPLACED_CNTR	2/3/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/19/1994	11/24/2006	5/19/1994	11/24/2006	11/11/1994			TRUE		TRUE					
22135	SR608183	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-221H-HET	SS440	Remediate	1	5/19/1994	6/29/2006	5/19/1994	6/29/2006	11/11/1994			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22135	SR608184		SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	5/25/1994	5/25/1994	5/25/1994	11/23/2006	11/17/1994		TRUE		TRUE					
22137	SR608185		SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/26/1994	9/5/2005	5/26/1994	9/5/2005	11/17/1994		TRUE		TRUE					
22138	SR608186		SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/25/1994	9/3/2005	5/25/1994	9/3/2005	11/17/1994		TRUE		TRUE					
22139	SR608187		SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/25/1994	7/11/2006	5/25/1994	7/11/2006	11/17/1994		TRUE		TRUE					
22140	SR608188		SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	5/25/1994	2/5/2006	5/25/1994	2/5/2006	11/17/1994		TRUE		TRUE					
22141	SR608189		SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	5/25/1994		5/25/1994		11/17/1994		TRUE		TRUE					
22142	SR608190		SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	5/25/1994		5/25/1994		11/17/1994		TRUE		TRUE					
22143	SR608191		SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	5/25/1994		5/25/1994		11/17/1994		TRUE		TRUE					
22144	SR608192		SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	5/25/1994		5/25/1994		11/17/1994		TRUE		TRUE					
22145	SR608193		SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	5/25/1994	5/25/1994	5/25/1994	12/12/2006	11/17/1994		TRUE		TRUE					
22146	SR608194		SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	5/25/1994		5/25/1994		11/17/1994		TRUE		TRUE					
22147	SR608196		SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22148	SR608197		SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22149	SR608198		SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22150	SR608199		SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22151	SR608200		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22152	SR608351		SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	6/1/1994	6/1/1994	6/1/1994	12/9/2006	11/25/1994		TRUE		TRUE					
22153	SR608352		SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/1/1994	11/29/2004	6/2/1994	11/29/2004	11/25/1994		TRUE		TRUE					
22154	SR608353		SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/1/1994		6/2/1994		11/25/1994		TRUE		TRUE					
22155	SR608354		SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/2/1994	7/7/2006	6/2/1994	7/7/2006	11/25/1994		TRUE		TRUE					
22156	SR608355		SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/3/1994		6/3/1994		11/28/1994		TRUE		TRUE					
22157	SR608356		SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/7/1994	8/22/2005	6/2/1994	8/22/2005	11/25/1994		TRUE		TRUE					
22158	SR608357		SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/8/1994		6/8/1994		12/1/1994		TRUE		TRUE					
22159	SR608358		SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	6/8/1994	6/8/1994	6/8/1994	6/26/2006	12/1/1994		TRUE		TRUE					
22160	SR608359		SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Vent	0	6/8/1994	6/8/1994	6/8/1994	10/12/2006	12/1/1994		TRUE		TRUE					
22161	SR608361		SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/8/1994		6/8/1994		12/1/1994		TRUE		TRUE					
22162	SR608362		SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/8/1994		6/8/1994		12/1/1994		TRUE		TRUE					
22163	SR608363		SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/10/1994		6/10/1994		12/3/1994		TRUE		TRUE					
22164	SR608364		SSG	EMPLACED_CNTR	10/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/10/1994	2/27/2007	6/10/1994	2/27/2007	12/3/1994		TRUE		TRUE					
22165	SR608365		SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/10/1994		6/10/1994		12/3/1994		TRUE		TRUE					
22166	SR608366		SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/10/1994		6/10/1994		12/3/1994		TRUE		TRUE					
22167	SR608367		SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/10/1994	7/2/2006	6/10/1994	7/2/2006	12/3/1994		TRUE		TRUE					
22168	SR608368		SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	6/10/1994	6/10/1994	6/10/1994	9/11/2004	12/3/1994		TRUE		TRUE					
22169	SR608369		SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/10/1994	3/5/2006	6/10/1994	3/5/2006	12/3/1994		TRUE		TRUE					
22170	SR608370		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/15/1994		6/15/1994		12/8/1994		TRUE		TRUE					
22171	SR608371		SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/10/1994		6/10/1994		12/3/1994		TRUE		TRUE					
22172	SR608372		SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/10/1994		6/10/1994		12/3/1994		TRUE		TRUE					
22173	SR608373		SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	6/16/1994	6/16/1994	6/16/1994	9/11/2005	12/9/1994		TRUE		TRUE					
22174	SR608374		SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22175	SR608375		SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22176	SR608376		SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/16/1994	10/7/2006	6/16/1994	10/7/2006	12/9/1994		TRUE		TRUE					
22177	SR608377		SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22178	SR608378		SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22179	SR608379		SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22180	SR608380		SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/16/1994	11/19/2004	6/16/1994	11/19/2004	12/9/1994		TRUE		TRUE					
22181	SR608381		SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22182	SR608383		SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22183	SR608384		SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/16/1994		6/16/1994		12/9/1994		TRUE		TRUE					
22184	SR608386		SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/16/1994	9/1/2005	6/16/1994	9/1/2005	12/9/1994		TRUE		TRUE					
22185	SR608387		SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	6/23/1994	6/23/1994	6/23/1994	10/8/2004	12/16/1994		TRUE		TRUE					
22186	SR608388		SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/23/1994		6/23/1994		12/16/1994		TRUE		TRUE					
22187	SR608389		SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/23/1994	6/30/2006	6/23/1994	6/30/2006	12/16/1994		TRUE		TRUE					
22188	SR608390		SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/23/1994		6/23/1994		12/16/1994		TRUE		TRUE					
22189	SR608391		SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/23/1994	2/28/2007	6/23/1994	2/28/2007	12/16/1994		TRUE		TRUE					
22190	SR608392		SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/23/1994	6/3/2006	6/23/1994	6/3/2006	12/16/1994		TRUE		TRUE					
22191	SR608393		SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/23/1994		6/23/1994		12/16/1994		TRUE		TRUE					
22192	SR608394		SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/23/1994	7/7/2006	6/11/1994	7/7/2006	12/16/1994		TRUE		TRUE					
22193	SR608395		SSG	EMPLACED_CNTR	1/19/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/23/1994		6/23/1994		12/16/1994		TRUE		TRUE					
22194	SR608396		SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/23/1994		6/23/1994		12/16/1994		TRUE		TRUE					
22195	SR608397		SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/23/1994	8/25/2006	6/23/1994	8/25/2006	12/16/1994		TRUE		TRUE					
22196	SR608398		SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	7/9/2006	6/29/1994	7/9/2006	10/22/1994		TRUE		TRUE					
22197	SR608399		SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/29/1994		6/29/1994		12/22/1994		TRUE		TRUE					
22198	SR608400		SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	6/28/2006	6/29/1994	6/28/2006	12/22/1994		TRUE		TRUE					
22199	SR608401		SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	7/15/2006	6/29/1994	7/15/2006	12/22/1994		TRUE		TRUE					
22200	SR608402		SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/29/1994		6/29/1994		12/22/1994		TRUE		TRUE					
22201	SR608403		SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	6/30/2006	6/29/1994	6/30/2006	12/22/1994		TRUE		TRUE					
22202	SR608404		SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/29/1994		6/29/1994		12/22/1994		TRUE		TRUE					
22203	SR608405		SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	6/3/2006	6/29/1994	6/3/2006	12/22/1994		TRUE		TRUE					
22204	SR608406		SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	3/10/2006	6/29/1994	3/10/2006	12/22/1994		TRUE		TRUE					
22205	SR608407		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	6/29/1994		6/29/1994		12/22/1994		TRUE		TRUE					
22206	SR608408		SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	6/29/1994	3/8/2006	6/29/1994	3/8/2006	12/22/1994		TRUE		TRUE					
22207	SR608409		SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22208	SR608410		SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22209	SR608411		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	7/6/1994	7/6/1994	7/6/1994	11/16/2004	12/29/1994		TRUE		TRUE					
22210	SR608412		SSG	EMPLACED_CNTR	6/18/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22211	SR608413		SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22212	SR608414		SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/6/1994	6/30/2006	7/6/1994	6/30/2006	12/29/1994		TRUE		TRUE					
22213	SR608415		SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22214	SR608418		SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/6/1994	10/28/2006	7/6/1994	10/28/2006	12/29/1994		TRUE		TRUE					
22215	SR608417		SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22216	SR608418		SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1994		7/13/1994		1/5/1995		TRUE		TRUE					
22217	SR608419		SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/6/1994	6/24/2006	7/6/1994	6/24/2006	12/29/1994		TRUE		TRUE					
22218	SR608420		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/13/1994		7/13/1994		1/5/1995		TRUE		TRUE					
22219	SR608421		SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/6/1994	3/21/2006	7/6/1994	3/21/2006	12/29/1994		TRUE		TRUE					
22220	SR608422		SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440	Remediate	1	7/6/1994	6/26/2006	7/6/1994	6/26/2006	12/29/1994		TRUE		TRUE					
22221	SR608423		SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22222	SR608424		SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					
22223	SR608425		SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-HET	S5440		0	7/6/1994		7/6/1994		12/29/1994		TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22224	SR608426	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/6/1994		7/6/1994		12/29/1994			TRUE		TRUE					
22225	SR608427	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/6/1994		7/6/1994		12/29/1994			TRUE		TRUE					
22226	SR608428	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/1994	8/22/2005	7/6/1994	8/22/2005	12/29/1994			TRUE		TRUE					
22227	SR608429	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/6/1994	3/3/2006	7/6/1994	3/3/2006	12/29/1994			TRUE		TRUE					
22228	SR608430	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/6/1994		7/6/1994		12/29/1994			TRUE		TRUE					
22229	SR608431	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/12/1994		7/12/1994		1/4/1995			TRUE		TRUE					
22230	SR608432	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/12/1994		7/12/1994		1/4/1995			TRUE		TRUE					
22231	SR608433	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/12/1994		7/12/1994		1/4/1995			TRUE		TRUE					
22232	SR608434	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	7/9/2006	7/12/1994	7/9/2006	1/4/1995			TRUE		TRUE					
22233	SR608435	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	6/19/2006	7/12/1994	6/19/2006	1/4/1995			TRUE		TRUE					
22234	SR608436	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	2/21/2007	7/12/1994	2/21/2007	1/4/1995			TRUE		TRUE					
22235	SR608437	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/12/1994		7/12/1994		1/4/1995			TRUE		TRUE					
22236	SR608438	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/12/1994		7/12/1994		1/4/1995			TRUE		TRUE					
22237	SR608439	SSG	EMPLACED_CNTR	12/10/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	1/17/2007	7/12/1994	1/17/2007	1/4/1995			TRUE		TRUE					
22238	SR608440	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	12/10/2006	7/12/1994	12/10/2006	1/4/1995			TRUE		TRUE					
22239	SR608441	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/12/1994	9/5/2005	7/12/1994	9/5/2005	1/4/1995			TRUE		TRUE					
22240	SR608442	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22241	SR608443	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/21/2007	7/27/1994	2/21/2007	1/19/1995			TRUE		TRUE					
22242	SR608444	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22243	SR608445	SSG	EMPLACED_CNTR	6/14/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22244	SR608446	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22245	SR608447	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22246	SR608448	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22247	SR608449	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/15/2007	7/27/1994	2/15/2007	1/19/1995			TRUE		TRUE					
22248	SR608450	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/15/2007	7/27/1994	2/15/2007	1/19/1995			TRUE		TRUE					
22249	SR608551	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/28/2007	7/27/1994	2/28/2007	1/19/1995			TRUE		TRUE					
22250	SR608552	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	11/20/2006	7/27/1994	11/20/2006	1/19/1995			TRUE		TRUE					
22251	SR608553	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/27/2007	7/27/1994	2/27/2007	1/19/1995			TRUE		TRUE					
22252	SR608554	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22253	SR608555	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22254	SR608556	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	9/2/2005	7/27/1994	9/2/2005	1/19/1995			TRUE		TRUE					
22255	SR608557	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/5/2008	7/27/1994	2/5/2008	1/19/1995			TRUE		TRUE					
22256	SR608558	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/27/1994	2/25/2004	7/27/1994	2/25/2004	1/19/1995			TRUE		TRUE					
22257	SR608559	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	7/27/1994		7/27/1994		1/19/1995			TRUE		TRUE					
22258	SR608561	SSG	EMPLACED_CNTR	10/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/27/1994	7/27/1994	7/27/1994	10/14/2006	1/19/1995			TRUE		TRUE					
22259	SR608562	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/27/1994	7/27/1994	7/27/1994	8/10/2006	1/19/1995			TRUE		TRUE					
22260	SR608563	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22261	SR608564	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	9/22/2006	8/10/1994	9/22/2006	2/2/1995			TRUE		TRUE					
22262	SR608565	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	2/13/2007	8/10/1994	2/13/2007	2/2/1995			TRUE		TRUE					
22263	SR608566	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	2/26/2007	8/10/1994	2/26/2007	2/2/1995			TRUE		TRUE					
22264	SR608567	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	11/20/2006	8/10/1994	11/20/2006	2/2/1995			TRUE		TRUE					
22265	SR608568	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	7/17/2006	8/10/1994	7/17/2006	2/2/1995			TRUE		TRUE					
22266	SR608569	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	3/1/2007	8/10/1994	3/1/2007	2/2/1995			TRUE		TRUE					
22267	SR608570	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22268	SR608571	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22269	SR608572	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22270	SR608573	SSG	EMPLACED_CNTR	7/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/10/1994	2/26/2007	8/10/1994	2/26/2007	2/2/1995			TRUE		TRUE					
22271	SR608574	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22272	SR608575	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22273	SR608576	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22274	SR608577	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22275	SR608578	SSG	EMPLACED_CNTR	1/25/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22276	SR608580	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22277	SR608581	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22278	SR608582	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/10/1994		8/10/1994		2/2/1995			TRUE		TRUE					
22279	SR608583	SSG	EMPLACED_CNTR	6/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	11/22/2006	8/25/1994	11/22/2006	2/17/1995			TRUE		TRUE					
22280	SR608584	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	7/7/2006	8/25/1994	7/7/2006	2/17/1995			TRUE		TRUE					
22281	SR608585	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	9/21/2006	8/25/1994	9/21/2006	2/17/1995			TRUE		TRUE					
22282	SR608586	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	12/29/2007	8/25/1994	12/29/2007	2/17/1995			TRUE		TRUE					
22283	SR608587	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	7/7/2006	8/25/1994	7/7/2006	2/17/1995			TRUE		TRUE					
22284	SR608588	SSG	EMPLACED_CNTR	8/31/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	10/17/2007	8/25/1994	10/17/2007	2/17/1995			TRUE		TRUE					
22285	SR608589	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	8/25/1994	10/25/2006	8/25/1994	10/25/2006	2/17/1995			TRUE		TRUE					
22286	SR608590	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	8/25/1994	8/25/1994	8/25/1994	1/4/2007	2/17/1995			TRUE		TRUE					
22287	SR608591	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	8/25/1994		8/25/1994		2/17/1995			TRUE		TRUE					
22288	SR608592	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/13/1994	5/21/2004	9/13/1994	5/21/2004	3/8/1995			TRUE		TRUE					
22289	SR608593	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22290	SR608594	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22291	SR608595	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/13/1994	1/23/2008	9/13/1994	1/23/2008	3/8/1995			TRUE		TRUE					
22292	SR608596	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/13/1994	9/13/1994	9/13/1994	10/12/2006	3/8/1995			TRUE		TRUE					
22293	SR608597	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/13/1994	11/20/2006	9/13/1994	11/20/2006	3/8/1995			TRUE		TRUE					
22294	SR608598	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22295	SR608599	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22296	SR608600	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22297	SR608601	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22298	SR608602	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22299	SR608603	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22300	SR608604	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22301	SR608605	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22302	SR608606	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22303	SR608607	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22304	SR608608	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/13/1994		9/13/1994		3/8/1995			TRUE		TRUE					
22305	SR608609	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/22/1994		9/22/1994		3/17/1995			TRUE		TRUE					
22306	SR608610	SSG	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1994	3/14/2007	9/22/1994	3/14/2007	3/17/1995			TRUE		TRUE					
22307	SR608611	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/22/1994		9/22/1994		3/17/1995			TRUE		TRUE					
22308	SR608612	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1994	5/17/2007	9/22/1994	5/17/2007	3/17/1995			TRUE		TRUE					
22309	SR608613	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1994	5/20/2004	9/22/1994	5/20/2004	3/17/1995			TRUE		TRUE					
22310	SR608614	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/22/1994	3/29/2006	9/22/1994	3/29/2006	3/17/1995			TRUE		TRUE					
22311	SR608615	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WMS_Updt	SR-W027-221H-HET	55440		0	9/22/1994		9/22/1994		3/17/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22312	SR608616	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/22/1994	5/19/2004	9/22/1994	5/19/2004	3/17/1995			TRUE		TRUE					
22313	SR608617	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/22/1994	5/3/2006	9/22/1994	5/3/2006	3/17/1995			TRUE		TRUE					
22314	SR608618	SSG	EMPLACED_CNTR	9/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/22/1994		9/22/1994		3/17/1995			TRUE		TRUE					
22315	SR608619	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/29/1994		9/29/1994		3/24/1995			TRUE		TRUE					
22316	SR608620	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/29/1994		9/29/1994		3/24/1995			TRUE		TRUE					
22317	SR608621	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/29/1994		9/29/1994		3/24/1995			TRUE		TRUE					
22318	SR608622	SSG	EMPLACED_CNTR	5/25/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	2/27/2007	9/29/1994	2/27/2007	3/24/1995			TRUE		TRUE					
22319	SR608623	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/29/1994		9/29/1994		3/24/1995			TRUE		TRUE					
22320	SR608624	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	V&P Vent	0	9/29/1994	9/29/1994	9/29/1994	10/31/2006	3/24/1995			TRUE		TRUE					
22321	SR608625	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	11/19/2004	9/29/1994	11/19/2004	3/24/1995			TRUE		TRUE					
22322	SR608626	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	4/8/2008	9/29/1994	4/8/2008	3/24/1995			TRUE		TRUE					
22323	SR608627	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	9/29/1994		9/29/1994		3/24/1995			TRUE		TRUE					
22324	SR608628	SSG	EMPLACED_CNTR	5/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	V&P Purge	0	9/29/1994	9/29/1994	9/29/1994	8/25/2006	3/24/1995			TRUE		TRUE					
22325	SR608630	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	10/9/2007	9/29/1994	10/9/2007	3/24/1995			TRUE		TRUE					
22326	SR608632	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	9/4/2005	9/29/1994	9/4/2005	3/24/1995			TRUE		TRUE					
22327	SR608633	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	8/27/2005	9/29/1994	8/27/2005	3/24/1995			TRUE		TRUE					
22328	SR608634	SSG	EMPLACED_CNTR	2/16/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	9/29/1994	9/5/2006	9/29/1994	9/5/2006	3/24/1995			TRUE		TRUE					
22329	SR608635	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22330	SR608636	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22331	SR608637	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22332	SR608638	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	10/13/1994	7/18/2007	10/13/1994	7/18/2007	4/7/1995			TRUE		TRUE					
22333	SR608639	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22334	SR608640	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22335	SR608641	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22336	SR608642	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22337	SR608643	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	10/13/1994	5/18/2006	10/13/1994	5/18/2006	4/7/1995			TRUE		TRUE					
22338	SR608644	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	10/13/1994	9/6/2005	10/13/1994	9/6/2005	4/7/1995			TRUE		TRUE					
22339	SR608645	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/13/1994		10/13/1994		4/7/1995			TRUE		TRUE					
22340	SR608701	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22341	SR608702	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22342	SR608703	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22343	SR608704	SSG	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22344	SR608707	SSG	EMPLACED_CNTR	10/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22345	SR608708	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22346	SR608709	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22347	SR608710	SSG	EMPLACED_CNTR	8/10/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22348	SR608711	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22349	SR608712	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	V&P Vent	0	10/20/1994	10/20/1994	10/20/1994	10/26/2006	4/14/1995			TRUE		TRUE					
22350	SR608713	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	10/20/1994		10/20/1994		4/14/1995			TRUE		TRUE					
22351	SR608714	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/3/1994	11/27/2006	11/3/1994	11/27/2006	4/28/1995			TRUE		TRUE					
22352	SR608715	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22353	SR608717	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22354	SR608718	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22355	SR608719	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/3/1994	6/20/2006	11/3/1994	6/20/2006	4/28/1995			TRUE		TRUE					
22356	SR608720	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22357	SR608721	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22358	SR608722	SSG	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22359	SR608723	SSG	EMPLACED_CNTR	10/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22360	SR608724	SSG	EMPLACED_CNTR	8/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22361	SR608725	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22362	SR608726	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22363	SR608727	SSG	EMPLACED_CNTR	6/15/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/3/1994	8/6/2006	11/3/1994	8/6/2006	4/28/1995			TRUE		TRUE					
22364	SR608728	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22365	SR608729	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22366	SR608730	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22367	SR608731	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/3/1994		11/3/1994		4/28/1995			TRUE		TRUE					
22368	SR608732	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/3/1994	1/17/2007	11/3/1994	1/17/2007	4/28/1995			TRUE		TRUE					
22369	SR608733	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/10/1994	11/23/2006	11/10/1994	11/23/2006	5/5/1995			TRUE		TRUE					
22370	SR608734	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/10/1994		11/10/1994		5/5/1995			TRUE		TRUE					
22371	SR608735	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/10/1994		11/10/1994		5/5/1995			TRUE		TRUE					
22372	SR608736	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/10/1994	5/24/2006	11/10/1994	5/24/2006	5/5/1995			TRUE		TRUE					
22373	SR608737	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/10/1994		11/10/1994		5/5/1995			TRUE		TRUE					
22374	SR608738	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/22/1994		12/22/1994		6/16/1995			TRUE		TRUE					
22375	SR608739	SSG	EMPLACED_CNTR	3/8/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/22/1994	9/3/2007	11/22/1994	9/3/2007	5/17/1995			TRUE		TRUE					
22376	SR608740	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22377	SR608741	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22378	SR608742	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22379	SR608743	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/22/1994	12/13/2006	11/22/1994	11/13/2006	5/17/1995			TRUE		TRUE					
22380	SR608744	SSG	EMPLACED_CNTR	4/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/22/1994	9/3/2007	11/22/1994	9/3/2007	5/17/1995			TRUE		TRUE					
22381	SR608745	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/22/1994	6/3/2008	11/22/1994	6/3/2008	5/17/1995			TRUE		TRUE					
22382	SR608746	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22383	SR608747	SSG	EMPLACED_CNTR	10/6/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22384	SR608748	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	11/22/1994	3/4/2006	11/22/1994	3/4/2006	5/17/1995			TRUE		TRUE					
22385	SR608749	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	11/22/1994		11/22/1994		5/17/1995			TRUE		TRUE					
22386	SR608750	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22387	SR608751	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22388	SR608752	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	12/7/1994	5/6/2008	12/7/1994	5/6/2008	6/1/1995			TRUE		TRUE					
22389	SR608753	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22390	SR608754	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22391	SR608755	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22392	SR608756	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22393	SR608757	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	12/7/1994	7/10/2006	12/7/1994	7/10/2006	6/1/1995			TRUE		TRUE					
22394	SR608758	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	V&P Vent	0	12/7/1994	12/7/1994	12/7/1994	8/12/2006	6/1/1995			TRUE		TRUE					
22395	SR608759	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	Remediate	1	12/7/1994	12/22/2005	12/7/1994	12/22/2005	6/1/1995			TRUE		TRUE					
22396	SR608760	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22397	SR608761	SSG	EMPLACED_CNTR	9/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/7/1994		12/7/1994		6/1/1995			TRUE		TRUE					
22398	SR608762	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440	V&P Vent	0	12/7/1994	12/7/1994	12/7/1994	10/28/2006	6/1/1995			TRUE		TRUE					
22399	SR608764	SSG	EMPLACED_CNTR	5/17/1905	4/28/2011 6:00	WWIS_Upd	SR-W027-22 1H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22400	SR608765	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22401	SR608766	55G	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22402	SR608767	55G	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/13/1994	7/15/2006	12/13/1994	7/15/2006	6/7/1995			TRUE		TRUE					
22403	SR608768	55G	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		1	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22404	SR608769	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22405	SR608770	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22406	SR608771	55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22407	SR608772	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22408	SR608773	55G	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	12/13/1994	12/13/1994	12/13/1994	4/26/2005	6/7/1995			TRUE		TRUE					
22409	SR608774	55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/13/1994		12/13/1994		6/7/1995			TRUE		TRUE					
22410	SR608775	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22411	SR608776	55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/5/1995	6/30/2006	1/5/1995	6/30/2006	6/30/1995			TRUE		TRUE					
22412	SR608777	55G	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22413	SR608778	55G	EMPLACED_CNTR	12/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22414	SR608779	55G	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22415	SR608780	55G	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22416	SR608781	55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/5/1995	8/4/2004	1/5/1995	8/4/2004	6/30/1995			TRUE		TRUE					
22417	SR608782	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22418	SR608783	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22419	SR608784	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22420	SR608785	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22421	SR608786	55G	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/5/1995	6/20/2006	1/5/1995	6/20/2006	6/30/1995			TRUE		TRUE					
22422	SR608787	55G	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22423	SR608788	55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22424	SR608789	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/5/1995	8/24/2005	1/5/1995	8/24/2005	6/30/1995			TRUE		TRUE					
22425	SR608790	55G	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/5/1995		1/5/1995		6/30/1995			TRUE		TRUE					
22426	SR608791	55G	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/5/1995	8/26/2005	1/5/1995	8/26/2005	6/30/1995			TRUE		TRUE					
22427	SR608792	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22428	SR608793	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22429	SR608794	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22430	SR608795	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22431	SR608796	55G	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22432	SR608797	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22433	SR608798	55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22434	SR608799	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22435	SR608800	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22436	SR608801	55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22437	SR608802	55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22438	SR608803	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22439	SR608804	55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/13/1995	1/13/1995	1/13/1995	10/26/2006	7/8/1995			TRUE		TRUE					
22440	SR608805	55G	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/13/1995		1/13/1995		7/8/1995			TRUE		TRUE					
22441	SR608807	55G	EMPLACED_CNTR	6/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/15/1995		1/15/1995		7/10/1995			TRUE		TRUE					
22442	SR608808	55G	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	12/1/2004	1/20/1995	12/1/2004	7/15/1995			TRUE		TRUE					
22443	SR608809	55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22444	SR608810	55G	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22445	SR608811	55G	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	8/15/2006	1/20/1995	8/15/2006	7/15/1995			TRUE		TRUE					
22446	SR608812	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	1/27/1995	1/27/1995	1/27/1995	9/13/2004	7/22/1995			TRUE		TRUE					
22447	SR608813	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22448	SR608814	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22449	SR608815	55G	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22450	SR608816	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22451	SR608817	55G	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	6/16/2005	1/20/1995	6/16/2005	7/15/1995			TRUE		TRUE					
22452	SR608818	55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	6/28/2006	1/20/1995	6/28/2006	7/15/1995			TRUE		TRUE					
22453	SR608819	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	1/14/2006	1/20/1995	1/14/2006	7/15/1995			TRUE		TRUE					
22454	SR608820	55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22455	SR608821	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	6/29/2006	1/20/1995	6/29/2006	7/15/1995			TRUE		TRUE					
22456	SR608822	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1995	3/5/2006	1/20/1995	3/5/2006	7/15/1995			TRUE		TRUE					
22457	SR608823	55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/20/1995		1/20/1995		7/15/1995			TRUE		TRUE					
22458	SR608824	55G	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/3/1995	7/8/2006	2/3/1995	7/8/2006	7/29/1995			TRUE		TRUE					
22459	SR608825	55G	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22460	SR608826	55G	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22461	SR608827	55G	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/3/1995	2/3/1995	2/3/1995	8/21/2006	7/29/1995			TRUE		TRUE					
22462	SR608828	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22463	SR608829	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22464	SR608830	55G	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22465	SR608831	55G	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/3/1995	2/3/1995	2/3/1995	8/15/2006	7/29/1995			TRUE		TRUE					
22466	SR608832	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22467	SR608833	55G	EMPLACED_CNTR	6/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	2/3/1995	2/3/1995	2/3/1995	9/9/2004	7/29/1995			TRUE		TRUE					
22468	SR608834	55G	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22469	SR608835	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22470	SR608836	55G	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22471	SR608837	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22472	SR608838	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/3/1995		2/3/1995		7/29/1995			TRUE		TRUE					
22473	SR608901	55G	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22474	SR608902	55G	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22475	SR608903	55G	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22476	SR608904	55G	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22477	SR608905	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1994		3/3/1994		8/26/1994			TRUE		TRUE					
22478	SR608906	55G	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/3/1995	2/20/2007	3/3/1995	2/20/2007	8/26/1995			TRUE		TRUE					
22479	SR608907	55G	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22480	SR608908	55G	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22481	SR608909	55G	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22482	SR608910	55G	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22483	SR608911	55G	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22484	SR608912	55G	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22485	SR608913	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22486	SR608914	55G	EMPLACED_CNTR	3/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22487	SR608915	55G	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/3/1995	6/15/2006	3/3/1995	6/15/2006	8/26/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22488	SR608916	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22489	SR608917	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/3/1995		3/3/1995		8/26/1995			TRUE		TRUE					
22490	SR608918	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/3/1995	5/31/2006	3/3/1995	5/31/2006	8/26/1995			TRUE		TRUE					
22491	SR608920	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22492	SR608921	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/10/1995	3/1/2007	3/10/1995	3/1/2007	9/2/1995			TRUE		TRUE					
22493	SR608922	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22494	SR608923	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22495	SR608924	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/10/1995	5/27/2006	3/10/1995	5/27/2006	9/2/1995			TRUE		TRUE					
22496	SR608925	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22497	SR608926	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22498	SR608927	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/10/1995	9/6/2005	3/10/1995	9/6/2005	9/2/1995			TRUE		TRUE					
22499	SR608928	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22500	SR608929	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22501	SR608930	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22502	SR608931	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22503	SR608932	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22504	SR608934	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22505	SR608935	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/10/1995		3/10/1995		9/2/1995			TRUE		TRUE					
22506	SR608936	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22507	SR608937	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/16/1995	1/17/2007	3/16/1995	1/17/2007	9/8/1995			TRUE		TRUE					
22508	SR608938	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22509	SR608939	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22510	SR608940	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22511	SR608941	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22512	SR608942	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/16/1995	3/16/1995	3/16/1995	8/24/2006	9/8/1995			TRUE		TRUE					
22513	SR608943	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22514	SR608944	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22515	SR608945	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22516	SR608946	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22517	SR608947	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/16/1995		3/16/1995		9/8/1995			TRUE		TRUE					
22518	SR608948	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/4/1995	9/23/2006	4/4/1995	9/23/2006	9/27/1995			TRUE		TRUE					
22519	SR608949	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22520	SR608950	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	4/4/1995	4/4/1995	4/4/1995	9/7/2005	9/27/1995			TRUE		TRUE					
22521	SR608951	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22522	SR608952	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/4/1995	5/31/2004	4/4/1995	5/31/2004	9/27/1995			TRUE		TRUE					
22523	SR608953	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22524	SR608954	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22525	SR608955	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22526	SR608956	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22527	SR608957	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22528	SR608958	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22529	SR608959	SSG	EMPLACED_CNTR	11/20/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/4/1995	12/28/2006	4/4/1995	12/28/2006	9/27/1995			TRUE		TRUE					
22530	SR608960	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22531	SR608961	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22532	SR608962	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22533	SR608963	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22534	SR608964	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/4/1995		4/4/1995		9/27/1995			TRUE		TRUE					
22535	SR608967	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22536	SR608970	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22537	SR608972	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/27/1995	8/8/2004	4/27/1995	8/8/2004	10/20/1995			TRUE		TRUE					
22538	SR608973	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22539	SR608974	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22540	SR608975	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22541	SR608977	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22542	SR608978	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22543	SR608979	SSG	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22544	SR608980	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/27/1995	5/30/2004	4/27/1995	5/30/2004	10/20/1995			TRUE		TRUE					
22545	SR608981	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	4/27/1995	5/21/2004	4/27/1995	5/21/2004	10/20/1995			TRUE		TRUE					
22546	SR608982	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22547	SR608983	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22548	SR608984	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	4/27/1995		4/27/1995		10/20/1995			TRUE		TRUE					
22549	SR608988	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/10/1995	10/4/2006	5/10/1995	10/4/2006	11/2/1995			TRUE		TRUE					
22550	SR609051	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22551	SR609052	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22552	SR609053	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22553	SR609054	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22554	SR609055	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22555	SR609056	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22556	SR609057	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22557	SR609058	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	5/11/1995	5/11/1995	5/11/1995	10/26/2005	11/3/1995			TRUE		TRUE					
22558	SR609059	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22559	SR609060	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22560	SR609061	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22561	SR609062	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22562	SR609063	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/11/1995	6/28/2006	5/11/1995	6/28/2006	11/3/1995			TRUE		TRUE					
22563	SR609064	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/11/1995	8/21/2005	5/11/1995	8/21/2005	11/3/1995			TRUE		TRUE					
22564	SR609065	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/11/1995	1/6/2006	5/11/1995	1/6/2006	11/3/1995			TRUE		TRUE					
22565	SR609066	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/11/1995		5/11/1995		11/3/1995			TRUE		TRUE					
22566	SR609067	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/19/1995	12/18/2006	5/19/1995	12/18/2006	11/11/1995			TRUE		TRUE					
22567	SR609068	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22568	SR609069	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22569	SR609070	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	5/19/1995	2/27/2008	5/19/1995	2/27/2008	11/11/1995			TRUE		TRUE					
22570	SR609071	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22571	SR609072	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22572	SR609073	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22573	SR609074	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22574	SR609075	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22575	SR609076	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22576	SR609077	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22577	SR609078	SSG	EMPLACED_CNTR	1/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22578	SR609079	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/19/1995		5/19/1995		11/11/1995			TRUE		TRUE					
22579	SR609080	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	5/19/1995	7/8/2005	5/19/1995	7/8/2005	11/11/1995			TRUE		TRUE					
22580	SR609081	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22581	SR609082	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	5/25/1995	8/31/2007	5/25/1995	8/31/2007	11/17/1995			TRUE		TRUE					
22582	SR609083	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	5/25/1995	2/22/2007	5/25/1995	2/22/2007	11/17/1995			TRUE		TRUE					
22583	SR609084	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22584	SR609085	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22585	SR609086	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22586	SR609087	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22587	SR609088	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	5/25/1995		5/25/1995		11/17/1995			TRUE		TRUE					
22588	SR609089	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	5/25/1995	2/20/2007	5/25/1995	2/20/2007	11/17/1995			TRUE		TRUE					
22589	SR609090	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	5/25/1995	2/22/2007	5/25/1995	2/22/2007	11/17/1995			TRUE		TRUE					
22590	SR609091	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22591	SR609092	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22592	SR609093	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22593	SR609094	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	V&P Purge	0	6/8/1995	6/8/1995	6/8/1995	8/2/2006	12/1/1995			TRUE		TRUE					
22594	SR609095	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22595	SR609096	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22596	SR609097	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22597	SR609098	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22598	SR609099	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22599	SR609100	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22600	SR609101	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22601	SR609102	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	6/8/1995		6/8/1995		12/1/1995			TRUE		TRUE					
22602	SR609104	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	7/6/1995	7/6/1995	7/6/1995	10/15/2006	12/29/1995			TRUE		TRUE					
22603	SR609105	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22604	SR609106	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22605	SR609107	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22606	SR609108	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/6/1995	8/31/2007	7/6/1995	8/31/2007	12/29/1995			TRUE		TRUE					
22607	SR609109	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22608	SR609110	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22609	SR609111	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/6/1995	8/21/2005	7/6/1995	8/21/2005	12/29/1995			TRUE		TRUE					
22610	SR609112	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22611	SR609113	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22612	SR609114	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22613	SR609115	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22614	SR609116	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22615	SR609117	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22616	SR609118	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22617	SR609119	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/6/1995		7/6/1995		12/29/1995			TRUE		TRUE					
22618	SR609120	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	8/15/2006	7/27/1995	8/15/2006	1/19/1996			TRUE		TRUE					
22619	SR609121	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22620	SR609122	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22621	SR609123	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22622	SR609124	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22623	SR609125	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22624	SR609126	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22625	SR609127	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22626	SR609128	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22627	SR609129	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22628	SR609130	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22629	SR609131	SSG	EMPLACED_CNTR	3/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22630	SR609132	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22631	SR609133	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22632	SR609134	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22633	SR609135	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22634	SR608136	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	9/5/2006	7/27/1995	9/5/2006	1/19/1996			TRUE		TRUE					
22635	SR609137	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	12/19/2005	7/27/1995	12/19/2005	1/19/1996			TRUE		TRUE					
22636	SR609138	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	7/22/2005	7/27/1995	7/22/2005	1/19/1996			TRUE		TRUE					
22637	SR609139	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	8/25/2005	7/27/1995	8/25/2005	1/19/1996			TRUE		TRUE					
22638	SR609140	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	7/27/1995		7/27/1995		1/19/1996			TRUE		TRUE					
22639	SR609141	SSG	EMPLACED_CNTR	12/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	7/27/1995	1/17/2006	7/27/1995	1/17/2006	1/19/1996			TRUE		TRUE					
22640	SR609142	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22641	SR609143	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22642	SR609144	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	9/7/1995	2/16/2006	9/7/1995	2/16/2006	3/1/1996			TRUE		TRUE					
22643	SR609145	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22644	SR609146	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22645	SR609147	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22646	SR609148	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22647	SR609149	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22648	SR609150	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	9/7/1995	6/13/2006	9/7/1995	6/13/2006	3/1/1996			TRUE		TRUE					
22649	SR609351	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22650	SR609352	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	V&P Vent	0	11/27/1995	11/27/1995	11/27/1995	2/13/2007	5/21/1996			TRUE		TRUE					
22651	SR609353	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22652	SR609354	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22653	SR609355	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22654	SR609356	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/27/1995	6/13/2006	11/27/1995	6/13/2006	5/21/1996			TRUE		TRUE					
22655	SR609357	SSG	EMPLACED_CNTR	7/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440	Remediate	1	11/27/1995	7/23/2006	11/27/1995	7/23/2006	5/21/1996			TRUE		TRUE					
22656	SR609358	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/12/1995		12/12/1995		6/5/1996			TRUE		TRUE					
22657	SR609359	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22658	SR609360	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22659	SR609361	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22660	SR609362	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22661	SR609363	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22662	SR609364	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22663	SR609365	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	SS440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22664	SR809366	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	12/11/1995	9/8/2006	12/11/1995	9/8/2006	6/4/1996			TRUE		TRUE					
22665	SR609367	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22666	SR609368	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22667	SR609369	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	12/11/1995	11/1/2006	12/11/1995	11/1/2006	6/4/1996			TRUE		TRUE					
22668	SR609370	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22669	SR609371	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	12/11/1995	6/24/2006	12/11/1995	6/24/2006	6/4/1996			TRUE		TRUE					
22670	SR609372	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22671	SR609373	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	12/11/1995	5/17/2006	12/11/1995	5/17/2006	6/4/1996			TRUE		TRUE					
22672	SR609374	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	12/11/1995		12/11/1995		6/4/1996			TRUE		TRUE					
22673	SR609375	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22674	SR609376	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22675	SR609377	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/6/1996	6/4/2006	1/6/1996	6/4/2006	6/30/1996			TRUE		TRUE					
22676	SR609378	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22677	SR609379	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22678	SR609380	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/6/1996	2/2/2008	1/6/1996	2/2/2008	6/30/1996			TRUE		TRUE					
22679	SR609381	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22680	SR609382	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22681	SR609383	SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22682	SR609384	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22683	SR609385	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22684	SR609386	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22685	SR609387	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22686	SR609388	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22687	SR609389	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/6/1996	8/24/2005	1/6/1996	8/24/2005	6/30/1996			TRUE		TRUE					
22688	SR609390	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22689	SR609391	SSG	EMPLACED_CNTR	4/17/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22690	SR609392	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22691	SR609393	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22692	SR609394	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/6/1996		1/6/1996		6/30/1996			TRUE		TRUE					
22693	SR609400	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	2/14/1996		2/14/1996		8/8/1996			TRUE		TRUE					
22694	SR609501	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22695	SR609502	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22696	SR609503	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/11/1996	9/9/2006	1/11/1996	9/9/2006	7/5/1996			TRUE		TRUE					
22697	SR609504	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22698	SR609505	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22699	SR609506	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/11/1996	11/19/2004	1/11/1996	11/19/2004	7/5/1996			TRUE		TRUE					
22700	SR609507	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22701	SR609508	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	V&F Vent	0	1/11/1996	1/11/1996	1/11/1996	11/27/2004	7/5/1996			TRUE		TRUE					
22702	SR609509	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22703	SR609510	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22704	SR609511	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/11/1996	3/5/2007	1/11/1996	3/5/2007	7/5/1996			TRUE		TRUE					
22705	SR609512	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/25/1996	8/13/2006	1/25/1996	8/13/2006	7/19/1996			TRUE		TRUE					
22706	SR609513	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22707	SR609514	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/11/1996	7/21/2005	1/11/1996	7/21/2005	7/5/1996			TRUE		TRUE					
22708	SR609515	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/11/1996		1/11/1996		7/5/1996			TRUE		TRUE					
22709	SR609516	SSG	EMPLACED_CNTR	6/1/2004	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/13/1996		1/13/1996		7/7/1996			TRUE		TRUE					
22710	SR609517	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/13/1996	1/25/2007	1/13/1996	1/25/2007	7/7/1996			TRUE		TRUE					
22711	SR609518	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/13/1996		1/13/1996		7/7/1996			TRUE		TRUE					
22712	SR609519	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/13/1996		1/13/1996		7/7/1996			TRUE		TRUE					
22713	SR609520	SSG	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/13/1996	7/9/2006	1/13/1996	7/9/2006	7/7/1996			TRUE		TRUE					
22714	SR609521	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/13/1996		1/13/1996		7/7/1996			TRUE		TRUE					
22715	SR609522	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/13/1996	7/18/2006	1/13/1996	7/18/2006	7/7/1996			TRUE		TRUE					
22716	SR609523	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/13/1996		1/13/1996		7/7/1996			TRUE		TRUE					
22717	SR609524	SSG	EMPLACED_CNTR	1/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/13/1996	7/16/2006	1/13/1996	7/16/2006	7/7/1996			TRUE		TRUE					
22718	SR609525	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22719	SR609526	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22720	SR609527	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22721	SR609528	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22722	SR609529	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22723	SR609530	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/19/1996	6/26/2006	1/19/1996	6/26/2006	7/13/1996			TRUE		TRUE					
22724	SR609531	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22725	SR609532	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/19/1996		1/19/1996		7/13/1996			TRUE		TRUE					
22726	SR609533	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	2/14/1996		2/14/1996		8/8/1996			TRUE		TRUE					
22727	SR609534	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	2/14/1996		2/14/1996		8/8/1996			TRUE		TRUE					
22728	SR609535	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22729	SR609536	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/31/1996	1/24/2008	1/31/1996	1/24/2008	7/25/1996			TRUE		TRUE					
22730	SR609537	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22731	SR609538	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22732	SR609539	SSG	EMPLACED_CNTR	5/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22733	SR609540	SSG	EMPLACED_CNTR	6/27/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22734	SR609541	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	3/5/1996		3/5/1996		8/28/1996			TRUE		TRUE					
22735	SR609542	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22736	SR609543	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22737	SR609544	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22738	SR609545	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/31/1996	7/18/2006	1/31/1996	7/18/2006	7/25/1996			TRUE		TRUE					
22739	SR609546	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/31/1996	1/16/2006	1/31/1996	1/16/2006	7/25/1996			TRUE		TRUE					
22740	SR609547	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22741	SR609548	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	1/31/1996		1/31/1996		7/25/1996			TRUE		TRUE					
22742	SR609549	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	1/31/1996	6/15/2006	1/31/1996	6/15/2006	7/25/1996			TRUE		TRUE					
22743	SR609550	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	9/7/1995		9/7/1995		3/1/1996			TRUE		TRUE					
22744	SR609551	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	9/19/1995	9/21/2006	9/19/1995	9/21/2006	3/13/1996			TRUE		TRUE					
22745	SR609552	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22746	SR609853	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22747	SR609854	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22748	SR609855	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22749	SR609856	SSG	EMPLACED_CNTR	3/30/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22750	SR609857	SSG	EMPLACED_CNTR	1/18/2007	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440	Remediate	1	9/19/1995	7/2/2006	9/19/1995	7/2/2006	3/13/1996			TRUE		TRUE					
22751	SR609858	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-22JH-HET	S5440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22752	SR609859	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22753	SR609860	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22754	SR609861	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22755	SR609862	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22756	SR609863	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22757	SR609864	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22758	SR609865	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/19/1995	6/27/2006	9/19/1995	6/27/2006	3/13/1996			TRUE		TRUE					
22759	SR609866	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/19/1995	7/8/2006	9/19/1995	7/8/2006	3/13/1996			TRUE		TRUE					
22760	SR609867	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22761	SR609868	SSG	EMPLACED_CNTR	1/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22762	SR609869	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22763	SR609870	SSG	EMPLACED_CNTR	2/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/19/1995		9/19/1995		3/13/1996			TRUE		TRUE					
22764	SR609871	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/19/1995	9/4/2006	9/19/1995	9/4/2006	3/13/1996			TRUE	TRUE	TRUE					
22765	SR609872	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/19/1995	9/5/2006	9/19/1995	9/5/2006	3/13/1996			TRUE		TRUE					
22766	SR609873	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22767	SR609874	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22768	SR609875	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	6/26/2006	9/27/1995	6/26/2006	3/21/1996			TRUE		TRUE					
22769	SR609876	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	5/8/2006	9/27/1995	5/8/2006	3/21/1996			TRUE		TRUE					
22770	SR609877	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	1/18/2007	9/27/1995	1/18/2007	3/21/1996			TRUE		TRUE					
22771	SR609878	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	5/24/2006	9/27/1995	5/24/2006	3/21/1996			TRUE		TRUE					
22772	SR609879	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	9/8/2006	9/27/1995	9/8/2006	3/21/1996			TRUE		TRUE					
22773	SR609880	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	9/22/2006	9/27/1995	9/22/2006	3/21/1996			TRUE		TRUE					
22774	SR609881	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	7/1/2006	9/27/1995	7/1/2006	3/21/1996			TRUE		TRUE					
22775	SR609882	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22776	SR609883	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22777	SR609884	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22778	SR609885	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22779	SR609886	SSG	EMPLACED_CNTR	5/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22780	SR609887	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22781	SR609888	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	9/27/1995	1/18/2007	9/27/1995	1/18/2007	3/21/1996			TRUE		TRUE					
22782	SR609889	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22783	SR609890	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	9/27/1995		9/27/1995		3/21/1996			TRUE		TRUE					
22784	SR609891	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22785	SR609892	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22786	SR609893	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22787	SR609894	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22788	SR609895	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22789	SR609896	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22790	SR609897	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22791	SR609898	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22792	SR609899	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22793	SR609900	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22794	SR609901	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22795	SR609902	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22796	SR609903	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22797	SR609904	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22798	SR609905	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/11/1995		10/11/1995		4/4/1996			TRUE		TRUE					
22799	SR609910	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/24/1995		10/24/1995		4/17/1996			TRUE		TRUE					
22800	SR609915	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	1/9/1996		1/9/1996		7/3/1996			TRUE		TRUE					
22801	SR609918	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22802	SR609919	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22803	SR609920	SSG	EMPLACED_CNTR	1/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22804	SR609921	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22805	SR609922	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22806	SR609923	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	10/26/1995	9/21/2006	10/26/1995	9/21/2006	4/19/1996			TRUE		TRUE					
22807	SR609924	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22808	SR609925	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	10/26/1995	2/12/2007	10/26/1995	2/12/2007	4/19/1996			TRUE		TRUE					
22809	SR609926	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	1/26/1995		1/26/1995		7/21/1995			TRUE		TRUE					
22810	SR609927	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	10/26/1995	7/2/2006	10/26/1995	7/2/2006	4/19/1996			TRUE		TRUE					
22811	SR609928	SSG	EMPLACED_CNTR	1/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22812	SR609929	SSG	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	10/26/1995	2/2/2008	10/26/1995	2/2/2008	4/19/1996			TRUE		TRUE					
22813	SR609930	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22814	SR609931	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22815	SR609932	SSG	EMPLACED_CNTR	10/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22816	SR609933	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22817	SR609934	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22818	SR609935	SSG	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	10/26/1995	6/1/2006	10/26/1995	6/1/2006	4/19/1996			TRUE		TRUE					
22819	SR609936	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22820	SR609937	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	10/26/1995		10/26/1995		4/19/1996			TRUE		TRUE					
22821	SR609938	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22822	SR609939	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22823	SR609940	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/27/1995	6/19/2006	11/27/1995	6/19/2006	5/21/1996			TRUE		TRUE					
22824	SR609941	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22825	SR609943	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22826	SR609944	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/27/1995	7/16/2006	11/27/1995	7/16/2006	5/21/1996			TRUE		TRUE					
22827	SR609946	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22828	SR609947	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	11/27/1995	10/26/2006	11/27/1995	10/26/2006	5/21/1996			TRUE		TRUE					
22829	SR609948	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22830	SR609949	SSG	EMPLACED_CNTR	6/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22831	SR609950	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	11/27/1995		11/27/1995		5/21/1996			TRUE		TRUE					
22832	SR610102	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22833	SR610103	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22834	SR610104	SSG	EMPLACED_CNTR	12/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440	Remediate	1	2/12/1996	6/25/2006	2/12/1996	6/25/2006	8/6/1996			TRUE		TRUE					
22835	SR610105	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22836	SR610106	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22837	SR610107	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22838	SR610108	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					
22839	SR610109	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-221M-HET	SS440		0	2/12/1996		2/12/1996		8/6/1996			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22840	SR610110	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		4/4/1996			TRUE		TRUE					
22841	SR610111	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22842	SR610112	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/12/1996	6/27/2006	2/12/1996	6/27/2006	8/8/1996			TRUE		TRUE					
22843	SR610113	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/12/1996	6/24/2006	2/12/1996	6/24/2006	8/8/1996			TRUE		TRUE					
22844	SR610114	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22845	SR610115	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22846	SR610116	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22847	SR610117	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22848	SR610118	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/12/1996		2/12/1996		8/8/1996			TRUE		TRUE					
22849	SR610119	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/12/1996	2/19/2008	2/12/1996	2/19/2008	8/8/1996			TRUE		TRUE					
22850	SR610119A	SSG	EMPLACED_CNTR	9/3/2009	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/19/2008		2/19/2008		8/13/2008			TRUE		TRUE					
22851	SR610120	SSG	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22852	SR610121	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/21/1996	10/31/2006	2/21/1996	10/31/2006	8/15/1996			TRUE		TRUE					
22853	SR610122	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22854	SR610123	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/29/1996	9/9/2006	2/29/1996	9/9/2006	8/23/1996			TRUE		TRUE					
22855	SR610124	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	2/21/1996	2/21/1996	2/21/1996	11/24/2004	8/15/1996			TRUE		TRUE					
22856	SR610125	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/21/1996	7/24/2007	2/21/1996	7/24/2007	8/15/1996			TRUE		TRUE					
22857	SR610126	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22858	SR610127	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22859	SR610128	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22860	SR610129	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22861	SR610130	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/21/1996	7/8/2006	2/21/1996	7/8/2006	8/15/1996			TRUE		TRUE					
22862	SR610131	SSG	EMPLACED_CNTR	1/12/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	2/21/1996	7/2/2006	2/21/1996	7/2/2006	8/15/1996			TRUE		TRUE					
22863	SR610132	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/13/1996			TRUE		TRUE					
22864	SR610133	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22865	SR610134	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22866	SR610135	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22867	SR610136	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22868	SR610137	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22869	SR610138	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22870	SR610139	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	2/21/1996		2/21/1996		8/15/1996			TRUE		TRUE					
22871	SR610251	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22872	SR610252	SSG	EMPLACED_CNTR	4/14/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22873	SR610253	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22874	SR610254	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22875	SR610255	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	3/20/1996	7/7/2006	3/20/1996	7/7/2006	9/12/1996			TRUE		TRUE					
22876	SR610256	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22877	SR610257	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22878	SR610258	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22879	SR610259	SSG	EMPLACED_CNTR	8/30/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22880	SR610260	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22881	SR610261	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22882	SR610262	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22883	SR610263	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22884	SR610264	SSG	EMPLACED_CNTR	3/14/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/2/1996		3/2/1996		8/25/1996			TRUE		TRUE					
22885	SR610265	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22886	SR610266	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22887	SR610267	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	3/20/1996	8/29/2005	3/20/1996	8/29/2005	9/12/1996			TRUE		TRUE					
22888	SR610268	SSG	EMPLACED_CNTR	1/26/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	3/30/1996	8/28/2005	3/20/1996	8/28/2005	9/12/1996			TRUE		TRUE					
22889	SR610269	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22890	SR610270	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	3/20/1996		3/20/1996		9/12/1996			TRUE		TRUE					
22891	SR610271	SSG	EMPLACED_CNTR	1/6/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/24/1996			TRUE		TRUE					
22892	SR610272	SSG	EMPLACED_CNTR	4/14/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/3/1996	4/3/1996	4/3/1996	9/9/2004	9/26/1996			TRUE		TRUE					
22893	SR610273	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22894	SR610274	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22895	SR610275	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22896	SR610276	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22897	SR610277	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22898	SR610278	SSG	EMPLACED_CNTR	5/26/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/24/1996			TRUE		TRUE					
22899	SR610279	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22900	SR610280	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22901	SR610281	SSG	EMPLACED_CNTR	9/10/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22902	SR610282	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22903	SR610283	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22904	SR610284	SSG	EMPLACED_CNTR	12/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22905	SR610285	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22906	SR610286	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22907	SR610287	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22908	SR610288	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22909	SR610289	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22910	SR610290	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22911	SR610291	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22912	SR610292	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22913	SR610293	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/3/1996		4/3/1996		9/26/1996			TRUE		TRUE					
22914	SR610294	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/29/2004	10/18/1996			TRUE		TRUE					
22915	SR610295	SSG	EMPLACED_CNTR	8/16/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	10/18/2006	10/18/1996			TRUE	TRUE	TRUE					
22916	SR610296	SSG	EMPLACED_CNTR	10/18/2011 22:20	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/7/2007	10/18/1996			TRUE		TRUE					
22917	SR610297	SSG	EMPLACED_CNTR	1/26/2010 23:03	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE		TRUE					
22918	SR610298	SSG	EMPLACED_CNTR	1/26/2010 22:43	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE	TRUE	TRUE					
22919	SR610299	SSG	EMPLACED_CNTR	10/18/2011 22:20	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE	TRUE	TRUE					
22920	SR610300	SSG	EMPLACED_CNTR	10/27/2011 22:57	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE	TRUE	TRUE					
22921	SR610301	SSG	EMPLACED_CNTR	10/18/2011 22:16	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE	TRUE	TRUE					
22922	SR610302	SSG	EMPLACED_CNTR	10/27/2011 22:57	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	V&P Vent	0	4/25/1996	4/25/1996	4/25/1996	11/6/2007	10/18/1996			TRUE		TRUE					
22923	SR610303	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	4/25/1996	12/13/2006	4/25/1996	12/13/2006	10/18/1996			TRUE		TRUE					
22924	SR610304	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	4/25/1996	7/11/2007	4/25/1996	7/11/2007	10/18/1996			TRUE		TRUE					
22925	SR610305	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440	Remediate	1	4/25/1996	8/8/2006	4/25/1996	8/8/2006	10/18/1996			TRUE		TRUE					
22926	SR610306	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22927	SR610307	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-22JM-HET	S5440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
22928	SR610308	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	4/25/1996	6/19/2006	4/25/1996	6/19/2006	10/18/1996			TRUE		TRUE					
22929	SR610309	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	4/25/1996	1/16/2007	4/25/1996	1/16/2007	10/18/1996			TRUE		TRUE					
22930	SR610310	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22931	SR610311	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22932	SR610312	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22933	SR610313	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	4/25/1996	12/14/2006	4/25/1996	12/14/2006	10/18/1996			TRUE		TRUE					
22934	SR610314	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22935	SR610315	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22936	SR610316	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22937	SR610317	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22938	SR610318	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	4/25/1996		4/25/1996		10/18/1996			TRUE		TRUE					
22939	SR610319	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	4/25/1996	12/23/2005	4/25/1996	12/23/2005	10/18/1996			TRUE		TRUE					
22940	SR610320	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/9/1996	8/15/2006	5/9/1996	8/15/2006	11/1/1996			TRUE		TRUE					
22941	SR610321	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/9/1996	7/15/2006	5/9/1996	7/15/2006	11/1/1996			TRUE		TRUE					
22942	SR610322	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22943	SR610323	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22944	SR610324	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/25/1996		5/25/1996		11/17/1996			TRUE		TRUE					
22945	SR610325	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/9/1996	7/8/2006	5/9/1996	7/8/2006	11/1/1996			TRUE		TRUE					
22946	SR610326	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22947	SR610327	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22948	SR610328	SSG	EMPLACED_CNTR	5/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22949	SR610329	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/12/1996	6/17/2005	5/12/1996	6/17/2005	11/14/1996			TRUE		TRUE					
22950	SR610330	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/9/1996	7/1/2006	5/9/1996	7/1/2006	11/1/1996			TRUE		TRUE					
22951	SR610331	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22952	SR610332	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/9/1996	12/21/2005	5/9/1996	12/21/2005	11/1/1996			TRUE		TRUE					
22953	SR610333	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22954	SR610334	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22955	SR610335	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/9/1996		5/9/1996		11/1/1996			TRUE		TRUE					
22956	SR610336	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/29/1996	8/5/2004	5/29/1996	8/5/2004	11/21/1996			TRUE		TRUE					
22957	SR610337	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22958	SR610338	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22959	SR610339	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22960	SR610340	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	5/29/1996	9/9/2006	5/29/1996	9/9/2006	11/21/1996			TRUE		TRUE					
22961	SR610341	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22962	SR610342	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22963	SR610343	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22964	SR610344	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22965	SR610345	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22966	SR610346	SSG	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22967	SR610347	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22968	SR610349	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	5/29/1996		5/29/1996		11/21/1996			TRUE		TRUE					
22969	SR610350	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22970	SR610351	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22971	SR610352	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22972	SR610353	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22973	SR610354	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22974	SR610355	SSG	EMPLACED_CNTR	9/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22975	SR610356	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/12/1996	12/1/2004	6/12/1996	12/1/2004	12/5/1996			TRUE		TRUE					
22976	SR610357	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/12/1996	9/27/2006	6/12/1996	9/27/2006	12/5/1996			TRUE		TRUE					
22977	SR610358	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/12/1996	6/17/2005	6/12/1996	6/17/2005	12/5/1996			TRUE		TRUE					
22978	SR610359	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22979	SR610360	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/21/1996		6/21/1996		12/14/1996			TRUE		TRUE					
22980	SR610361	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/12/1996	7/8/2006	6/12/1996	7/8/2006	12/5/1996			TRUE		TRUE					
22981	SR610362	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22982	SR610363	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22983	SR610364	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/12/1996	8/25/2005	6/12/1996	8/25/2005	12/5/1996			TRUE		TRUE					
22984	SR610365	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22985	SR610366	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22986	SR610367	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22987	SR610368	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22988	SR610369	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/12/1996		6/12/1996		12/5/1996			TRUE		TRUE					
22989	SR610370	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/21/1996	5/22/2004	6/21/1996	5/22/2004	12/14/1996			TRUE		TRUE					
22990	SR610372	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/21/1996	4/5/2004	6/21/1996	4/5/2004	12/14/1996			TRUE		TRUE					
22991	SR610373	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/21/1996		6/21/1996		12/14/1996			TRUE		TRUE					
22992	SR610374	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/21/1996		6/21/1996		12/14/1996			TRUE		TRUE					
22993	SR610375	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/21/1996		6/21/1996		12/14/1996			TRUE		TRUE					
22994	SR610377	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/21/1996	7/23/2006	6/21/1996	7/23/2006	12/14/1996			TRUE		TRUE					
22995	SR610385	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/21/1996	4/1/2004	6/21/1996	4/1/2004	12/14/1996			TRUE		TRUE					
22996	SR610386	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/21/1996		6/21/1996		12/14/1996			TRUE		TRUE					
22997	SR610387	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
22998	SR610388	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
22999	SR610389	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23000	SR610390	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/27/1996	3/19/2007	6/27/1996	3/19/2007	12/20/1996			TRUE		TRUE					
23001	SR610391	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23002	SR610392	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23003	SR610393	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/27/1996	7/30/2006	6/27/1996	7/30/2006	12/20/1996			TRUE		TRUE					
23004	SR610394	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23005	SR610395	SSG	EMPLACED_CNTR	3/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/27/1996	6/26/2006	6/27/1996	6/26/2006	12/20/1996			TRUE		TRUE					
23006	SR610396	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23007	SR610397	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23008	SR610398	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/27/1996	6/12/2006	6/27/1996	6/12/2006	12/20/1996			TRUE		TRUE					
23009	SR610399	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23010	SR610400	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23011	SR610401	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23012	SR610402	SSG	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23013	SR610403	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440	Remediate	1	6/27/1996	12/2/2004	6/27/1996	12/2/2004	12/20/1996			TRUE		TRUE					
23014	SR610404	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23015	SR610405	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-MET	55440		0	6/27/1996		6/27/1996		12/20/1996										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23018	SR610406	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	6/27/1996		6/27/1996		12/20/1996			TRUE		TRUE					
23017	SR610407	SSG	EMPLACED_CNTR	6/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23016	SR610408	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/10/1996	1/8/2007	7/10/1996	1/8/2007	1/2/1997			TRUE		TRUE					
23019	SR610409	SSG	EMPLACED_CNTR	3/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23020	SR610410	SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23021	SR610411	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/10/1996	7/1/2006	7/10/1996	7/1/2006	1/2/1997			TRUE		TRUE					
23022	SR610412	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23023	SR610413	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/10/1996	2/13/2007	7/10/1996	2/13/2007	1/2/1997			TRUE		TRUE					
23024	SR610414	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/10/1996	12/12/2006	7/10/1996	12/12/2006	1/2/1997			TRUE		TRUE					
23025	SR610415	SSG	EMPLACED_CNTR	5/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/10/1996	11/19/2004	7/10/1996	11/19/2004	1/2/1997			TRUE		TRUE					
23026	SR610416	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23027	SR610417	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23028	SR610418	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23029	SR610419	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23030	SR610420	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/10/1996		7/10/1996		1/2/1997			TRUE		TRUE					
23031	SR610421	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23032	SR610422	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23033	SR610423	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	7/18/1996	7/17/2006	7/18/1996	7/17/2006	1/10/1997			TRUE		TRUE					
23034	SR610424	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23035	SR610425	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23036	SR610426	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23037	SR610427	SSG	EMPLACED_CNTR	3/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23038	SR610428	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23039	SR610429	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23040	SR610430	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23041	SR610431	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23042	SR610432	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23043	SR610433	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23044	SR610434	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	7/18/1996		7/18/1996		1/10/1997			TRUE		TRUE					
23045	SR610435	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23046	SR610436	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23047	SR610437	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23048	SR610438	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23049	SR610439	SSG	EMPLACED_CNTR	4/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23050	SR610440	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	8/5/1996	3/13/2007	8/5/1996	3/13/2007	1/28/1997			TRUE		TRUE					
23051	SR610441	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23052	SR610442	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23053	SR610443	SSG	EMPLACED_CNTR	10/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23054	SR610444	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23055	SR610445	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23056	SR610446	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23057	SR610447	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23058	SR610448	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	8/5/1996	7/16/2006	8/5/1996	7/16/2006	1/28/1997			TRUE		TRUE					
23059	SR610449	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23060	SR610450	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	8/5/1996	11/25/2006	8/5/1996	11/25/2006	1/28/1997			TRUE		TRUE					
23061	SR610451	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23062	SR610452	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23063	SR610453	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23064	SR610454	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23065	SR610455	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	8/5/1996	1/20/2006	8/5/1996	1/20/2006	1/28/1997			TRUE		TRUE					
23066	SR610456	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23067	SR610457	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23068	SR610458	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23069	SR610459	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	8/5/1996		8/5/1996		1/28/1997			TRUE		TRUE					
23070	SR610460	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23071	SR610469	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23072	SR610470	SSG	EMPLACED_CNTR	5/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23073	SR610471	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	6/30/2006	9/4/1996	6/30/2006	2/27/1997			TRUE		TRUE					
23074	SR610472	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23075	SR610473	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	8/21/2006	9/4/1996	8/21/2006	2/27/1997			TRUE		TRUE					
23076	SR610474	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23077	SR610475	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23078	SR610476	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23079	SR610477	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23080	SR610478	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	7/8/2006	9/4/1996	7/8/2006	2/27/1997			TRUE		TRUE					
23081	SR610479	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	10/15/2006	9/4/1996	10/15/2006	2/27/1997			TRUE		TRUE					
23082	SR610480	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23083	SR610481	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	4/12/2007	9/4/1996	4/12/2007	2/27/1997			TRUE		TRUE					
23084	SR610482	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23085	SR610483	SSG	EMPLACED_CNTR	10/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	6/18/2006	9/4/1996	6/18/2006	2/27/1997			TRUE		TRUE					
23086	SR610484	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23087	SR610485	SSG	EMPLACED_CNTR	6/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	7/24/2005	9/4/1996	7/24/2005	2/27/1997			TRUE		TRUE					
23088	SR610486	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23089	SR610487	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/4/1996	5/31/2006	9/4/1996	5/31/2006	2/27/1997			TRUE		TRUE					
23090	SR610488	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/4/1996		9/4/1996		2/27/1997			TRUE		TRUE					
23091	SR610493	SSG	EMPLACED_CNTR	3/14/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23092	SR610494	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	11/2/2006	9/12/1996	11/2/2006	3/7/1997			TRUE		TRUE					
23093	SR610495	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	1/8/2007	9/12/1996	1/8/2007	3/7/1997			TRUE		TRUE					
23094	SR610496	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23095	SR610497	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	12/11/2006	9/12/1996	12/11/2006	3/7/1997			TRUE		TRUE					
23096	SR610498	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23097	SR610499	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23098	SR610500	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	7/15/2006	9/12/1996	7/15/2006	3/7/1997			TRUE		TRUE					
23099	SR610501	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23100	SR610502	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23101	SR610503	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	12/23/2006	9/12/1996	12/23/2006	3/7/1997			TRUE		TRUE					
23102	SR610504	SSG	EMPLACED_CNTR	1/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440	Remediate	1	9/12/1996	1/11/2007	9/12/1996	1/11/2007	3/7/1997			TRUE		TRUE					
23103	SR610505	SSG	EMPLACED_CNTR	11/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221M-HET	SS440		0	9/12/1996		9/12/1996		3/7/1997										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23104	SR610506	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23105	SR610507	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23106	SR610508	SSG	EMPLACED_CNTR	8/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/12/1996	7/10/2006	9/12/1996	7/10/2006	3/7/1997			TRUE		TRUE					
23107	SR610509	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23108	SR610510	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23109	SR610511	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/12/1996		9/12/1996		3/7/1997			TRUE		TRUE					
23110	SR610512	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23111	SR610513	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23112	SR610514	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/19/1996	4/16/2004	9/19/1996	4/16/2004	3/14/1997			TRUE		TRUE					
23113	SR610515	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/19/1996	3/3/2004	9/19/1996	3/3/2004	3/14/1997			TRUE		TRUE					
23114	SR610516	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23115	SR610519	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/19/1996	9/19/1996	9/19/1996	12/12/2006	3/14/1997			TRUE		TRUE					
23116	SR610520	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	9/19/1996	3/28/2004	9/19/1996	3/28/2004	3/14/1997			TRUE		TRUE					
23117	SR610521	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23118	SR610522	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23119	SR610523	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23120	SR610524	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23121	SR610529	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	9/19/1996	9/19/1996	9/19/1996	11/21/2006	3/14/1997			TRUE		TRUE					
23122	SR610530	SSG	EMPLACED_CNTR	1/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	9/19/1996		9/19/1996		3/14/1997			TRUE		TRUE					
23123	SR610531	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23124	SR610532	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23125	SR610533	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23126	SR610534	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23127	SR610535	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23128	SR610536	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23129	SR610537	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	10/24/1996	7/8/2006	10/24/1996	7/8/2006	4/18/1997			TRUE		TRUE					
23130	SR610538	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23131	SR610539	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23132	SR610540	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23133	SR610541	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23134	SR610542	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23135	SR610544	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23136	SR610545	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23137	SR610546	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23138	SR610547	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	10/24/1996		10/24/1996		4/18/1997			TRUE		TRUE					
23139	SR610548	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/5/1996	3/1/2004	11/5/1996	3/1/2004	4/30/1997			TRUE		TRUE					
23140	SR610548A	SSG	EMPLACED_CNTR	12/19/2012 12:50	8/13/2013 6:58	morrisj	SR-W027-221H-HET	55440			2/8/2006					SWD061051 re-named and WS reassigned from SR-SWME-HET-A		TRUE	FALSE	TRUE					
23141	SR610549	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23142	SR610550	SSG	EMPLACED_CNTR	9/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23143	SR610551	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23144	SR610552	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/5/1996	7/16/2006	11/5/1996	7/16/2006	4/30/1997			TRUE		TRUE					
23145	SR610553	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23146	SR610554	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/5/1996	4/10/2004	11/5/1996	4/10/2004	4/30/1997			TRUE		TRUE					
23147	SR610555	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23148	SR610556	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23149	SR610557	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23150	SR610558	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23151	SR610559	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	11/5/1996		11/5/1996		4/30/1997			TRUE		TRUE					
23152	SR610560	SSG	EMPLACED_CNTR	2/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/19/1996	12/19/1996	12/19/1996	11/1/2007	6/13/1997			TRUE		TRUE					
23153	SR610561	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23154	SR610562	SSG	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/19/1996	12/2/2004	12/19/1996	12/2/2004	6/13/1997			TRUE		TRUE					
23155	SR610563	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23156	SR610564	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23157	SR610565	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23158	SR610566	SSG	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23159	SR610567	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	12/19/1996		12/19/1996		6/13/1997			TRUE		TRUE					
23160	SR610568	SSG	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/10/1997		1/10/1997		7/5/1997			TRUE		TRUE					
23161	SR610569	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/10/1997		1/10/1997		7/5/1997			TRUE		TRUE					
23162	SR610570	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	10/26/2006	7/25/1997			TRUE		TRUE					
23163	SR610571	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	10/7/2003	7/25/1997			TRUE		TRUE					
23164	SR610572	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	10/24/2006	7/25/1997			TRUE		TRUE					
23165	SR610573	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23166	SR610574	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	11/2/2006	7/25/1997			TRUE		TRUE					
23167	SR610575	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	5/2/2004	7/25/1997			TRUE		TRUE					
23168	SR610576	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23169	SR610577	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23170	SR610578	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23171	SR610579	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23172	SR610580	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23173	SR610581	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	5/2/2004	7/25/1997			TRUE		TRUE					
23174	SR610587	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/30/1997		1/30/1997		7/25/1997			TRUE		TRUE					
23175	SR610583	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/30/1997	2/13/2008	1/30/1997	2/13/2008	7/25/1997			TRUE		TRUE					
23176	SR610584	SSG	EMPLACED_CNTR	11/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	4/23/2004	7/25/1997			TRUE		TRUE					
23177	SR610585	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	7/21/2006	7/25/1997			TRUE		TRUE					
23178	SR610586	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	4/23/2004	7/25/1997			TRUE		TRUE					
23179	SR610587	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/30/1997	1/30/1997	1/30/1997	4/23/2004	7/25/1997			TRUE		TRUE					
23180	SR610588	SSG	EMPLACED_CNTR	4/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/18/1997	11/24/2006	2/18/1997	11/24/2006	8/13/1997			TRUE		TRUE					
23181	SR610589	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	11/14/2003	8/13/1997			TRUE		TRUE					
23182	SR610590	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	9/1/2006	8/13/1997			TRUE		TRUE					
23183	SR610591	SSG	EMPLACED_CNTR	4/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23184	SR610592	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23185	SR610593	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23186	SR610594	SSG	EMPLACED_CNTR	6/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23187	SR610595	SSG	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	2/18/1997	6/15/2005	2/18/1997	6/15/2005	8/13/1997			TRUE		TRUE					
23188	SR610596	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23189	SR610597	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23190	SR610598	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23181	SR610599	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	7/10/1997	7/10/1997	7/10/1997	3/3/2004	1/2/1998			TRUE		TRUE					
23182	SR610600	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	2/18/1997	8/4/2004	2/18/1997	8/4/2004	8/13/1997			TRUE		TRUE					
23183	SR610601	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	2/18/1997	6/18/2006	2/18/1997	6/18/2006	8/13/1997			TRUE		TRUE					
23184	SR610602	SSG	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	2/18/1997	8/12/2006	2/18/1997	8/12/2006	8/13/1997			TRUE		TRUE					
23185	SR610603	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/23/2006	8/13/1997			TRUE		TRUE					
23186	SR610604	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23187	SR610605	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	3/3/2004	8/13/1997			TRUE		TRUE					
23188	SR610606	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	3/5/2004	8/13/1997			TRUE		TRUE					
23189	SR610607	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	3/4/2004	8/13/1997			TRUE		TRUE					
23200	SR610608	SSG	EMPLACED_CNTR	1/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23201	SR610609	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23202	SR610610	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	11/22/2004	8/13/1997			TRUE		TRUE					
23203	SR610611	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	7/28/2004	8/13/1997			TRUE		TRUE					
23204	SR610612	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	2/18/1997	2/18/1997	2/18/1997	11/22/2004	8/13/1997			TRUE		TRUE					
23205	SR610613	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	3/4/1997	4/3/2004	3/4/1997	4/3/2004	8/27/1997			TRUE		TRUE					
23206	SR610615	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440		0	3/4/1997		3/4/1997		8/27/1997			TRUE		TRUE					
23207	SR610636	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	3/4/1997	3/4/1997	3/4/1997	3/25/2004	8/27/1997			TRUE		TRUE					
23208	SR610617	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	3/4/1997	3/4/1997	3/4/1997	3/25/2004	8/27/1997			TRUE		TRUE					
23209	SR610618	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	3/4/1997	3/4/1997	3/4/1997	3/25/2004	8/27/1997			TRUE		TRUE					
23210	SR610620	SSG	EMPLACED_CNTR	4/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440		0	3/4/1997		3/4/1997		8/27/1997			TRUE		TRUE					
23211	SR610621	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440		0	3/4/1997		3/4/1997		8/27/1997			TRUE		TRUE					
23212	SR610623	SSG	EMPLACED_CNTR	10/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440		0	3/4/1997		3/4/1997		8/27/1997			TRUE		TRUE					
23213	SR610624	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	3/13/1997	10/18/2006	3/13/1997	10/18/2006	9/5/1997			TRUE		TRUE					
23214	SR610625	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	3/13/1997	4/21/2004	3/13/1997	4/21/2004	9/5/1997			TRUE		TRUE					
23215	SR610626	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	3/13/1997	2/11/2008	3/13/1997	2/11/2008	9/5/1997			TRUE		TRUE					
23216	SR610627	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	3/13/1997	3/13/1997	3/13/1997	10/20/2003	9/5/1997			TRUE		TRUE					
23217	SR610628	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	3/13/1997	3/13/1997	3/13/1997	10/17/2003	9/5/1997			TRUE		TRUE					
23218	SR610629	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	3/13/1997	3/13/1997	3/13/1997	10/20/2003	9/5/1997			TRUE		TRUE					
23219	SR610630	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	3/13/1997	3/13/1997	3/13/1997	2/17/2004	9/5/1997			TRUE		TRUE					
23220	SR610631	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	3/13/1997	3/13/1997	3/13/1997	11/10/2003	9/5/1997			TRUE		TRUE					
23221	SR610632	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	3/13/1997	2/13/2008	3/13/1997	2/13/2008	9/5/1997			TRUE		TRUE					
23222	SR610633	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	3/13/1997	3/13/1997	3/13/1997	11/11/2003	9/5/1997			TRUE		TRUE					
23223	SR610634	SSG	EMPLACED_CNTR	4/17/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	3/13/1997	3/13/1997	3/13/1997	11/11/2003	9/5/1997			TRUE		TRUE					
23224	SR610636	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/8/1997	4/8/1997	4/8/1997	10/20/2003	10/1/1997			TRUE		TRUE					
23225	SR610637	SSG	EMPLACED_CNTR	12/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/8/1997	4/8/1997	4/8/1997	10/20/2003	10/1/1997			TRUE		TRUE					
23226	SR610638	SSG	EMPLACED_CNTR	9/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	9/8/1997	9/8/1997	9/8/1997	2/23/2004	3/3/1998			TRUE		TRUE					
23227	SR610639	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	1/17/2008	4/8/1997	1/17/2008	10/1/1997			TRUE		TRUE					
23228	SR610640	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/8/1997	4/8/1997	4/8/1997	10/20/2003	10/1/1997			TRUE		TRUE					
23229	SR610641	SSG	EMPLACED_CNTR	8/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/8/1997	4/8/1997	4/8/1997	10/24/2005	10/1/1997			TRUE		TRUE					
23230	SR610642	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	2/17/2006	4/8/1997	2/17/2006	10/1/1997			TRUE		TRUE					
23231	SR610643	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	7/13/2007	4/8/1997	7/13/2007	10/1/1997			TRUE		TRUE					
23232	SR610644	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	11/15/2006	4/8/1997	11/15/2006	10/1/1997			TRUE		TRUE					
23233	SR610645	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/8/1997	4/8/1997	4/8/1997	4/23/2004	10/1/1997			TRUE		TRUE					
23234	SR610646	SSG	EMPLACED_CNTR	10/5/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	1/17/2008	4/8/1997	1/17/2008	10/1/1997			TRUE		TRUE					
23235	SR610646A	SSG	EMPLACED_CNTR	10/27/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440		0	1/17/2008		1/17/2008		7/11/2008			TRUE		TRUE					
23236	SR610647	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/8/1997	4/8/1997	4/8/1997	11/10/2003	10/1/1997			TRUE		TRUE					
23237	SR610648	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/8/1997	4/8/1997	4/8/1997	11/10/2003	10/1/1997			TRUE		TRUE					
23238	SR610649	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	2/14/2008	4/8/1997	7/14/2008	10/1/1997			TRUE		TRUE					
23239	SR610650	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/8/1997	2/14/2008	4/8/1997	2/14/2008	10/1/1997			TRUE		TRUE					
23240	SR610651	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/16/1997	9/7/2006	4/16/1997	9/7/2006	10/9/1997			TRUE		TRUE					
23241	SR610652	SSG	EMPLACED_CNTR	5/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/16/1997	4/16/1997	4/16/1997	10/27/2005	10/9/1997			TRUE		TRUE					
23242	SR610653	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/16/1997	4/16/1997	4/16/1997	10/30/2005	10/9/1997			TRUE		TRUE					
23243	SR610654	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/16/1997	7/10/2006	4/16/1997	7/10/2006	10/9/1997			TRUE		TRUE					
23244	SR610655	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	10/26/2005	10/9/1997			TRUE		TRUE					
23245	SR610656	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	11/28/2004	10/9/1997			TRUE		TRUE					
23246	SR610657	SSG	EMPLACED_CNTR	8/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/16/1997	1/11/2006	4/16/1997	1/11/2006	10/9/1997			TRUE		TRUE					
23247	SR610658	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	10/30/2005	10/9/1997			TRUE		TRUE					
23248	SR610659	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/16/1997	12/2/2004	4/16/1997	12/2/2004	10/9/1997			TRUE		TRUE					
23249	SR610660	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/16/1997	4/16/1997	4/16/1997	11/28/2004	10/9/1997			TRUE		TRUE					
23250	SR610661	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	10/25/2005	10/9/1997			TRUE		TRUE					
23251	SR610662	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	10/25/2005	10/9/1997			TRUE		TRUE					
23252	SR610663	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Purge	0	4/16/1997	4/16/1997	4/16/1997	11/10/2003	10/9/1997			TRUE		TRUE					
23253	SR610664	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	4/16/1997	8/23/2005	4/16/1997	8/23/2005	10/9/1997			TRUE		TRUE					
23254	SR610665	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/16/1997	4/16/1997	4/16/1997	4/23/2004	10/9/1997			TRUE		TRUE					
23255	SR610666	SSG	EMPLACED_CNTR	3/10/2005	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	4/16/1997	4/16/1997	4/16/1997	4/23/2004	10/9/1997			TRUE		TRUE					
23256	SR610667	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	11/8/2006	5/5/1997	11/8/2006	10/28/1997			TRUE		TRUE					
23257	SR610668	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/31/2004	5/5/1997	3/31/2004	10/28/1997			TRUE		TRUE					
23258	SR610669	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	2/12/2004	5/5/1997	2/12/2004	10/28/1997			TRUE		TRUE					
23259	SR610670	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23260	SR610671	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23261	SR610672	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23262	SR610673	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	2/12/2004	5/5/1997	2/12/2004	10/28/1997			TRUE		TRUE					
23263	SR610674	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/4/2004	5/5/1997	3/4/2004	10/28/1997			TRUE		TRUE					
23264	SR610675	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/4/2004	5/5/1997	3/4/2004	10/28/1997			TRUE		TRUE					
23265	SR610676	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	10/12/2006	5/5/1997	10/12/2006	10/28/1997			TRUE		TRUE					
23266	SR610677	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	8/15/2006	5/5/1997	8/15/2006	10/28/1997			TRUE		TRUE					
23267	SR610678	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	4/21/2004	5/5/1997	4/21/2004	10/28/1997			TRUE		TRUE					
23268	SR610679	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23269	SR610680	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23270	SR610681	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/1/2004	5/5/1997	3/1/2004	10/28/1997			TRUE		TRUE					
23271	SR610682	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/1/2004	5/5/1997	3/1/2004	10/28/1997			TRUE		TRUE					
23272	SR610683	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	5/19/2004	5/5/1997	5/19/2004	10/28/1997			TRUE		TRUE					
23273	SR610684	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/1/2004	5/5/1997	3/1/2004	10/28/1997			TRUE		TRUE					
23274	SR610685	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/1/2004	5/5/1997	12/10/2006	10/28/1997			TRUE		TRUE					
23275	SR610686	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	V&P Vent	0	5/5/1997	5/5/1997	5/5/1997	7/18/2006	10/28/1997			TRUE		TRUE					
23276	SR610687	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	7/18/2006	5/5/1997	7/18/2006	10/28/1997			TRUE		TRUE					
23277	SR610688	SSG	EMPLACED_CNTR	11/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	11/14/2006	5/5/1997	11/14/2006	10/28/1997			TRUE		TRUE					
23278	SR610689	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-221H-MET	SS440	Remediate	1	5/5/1997	3/31/2004	5/5/1997	3/3/2004	10/28/1997			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23279	SR610690	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23280	SR610691	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	5/5/1997	3/2/2004	5/5/1997	3/2/2004	10/28/1997			TRUE		TRUE					
23281	SR610692	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	5/5/1997	3/1/2004	5/5/1997	3/1/2004	10/28/1997			TRUE		TRUE					
23282	SR610693	SSG	EMPLACED_CNTR	11/8/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	5/30/1997	5/24/2004	5/30/1997	5/24/2004	11/22/1997			TRUE		TRUE					
23283	SR610695	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	5/30/1997	8/4/2004	5/30/1997	8/4/2004	11/22/1997			TRUE		TRUE					
23284	SR610696	SSG	EMPLACED_CNTR	4/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/2/1997	7/2/1997	7/7/1997	3/5/2004	12/25/1997			TRUE		TRUE					
23285	SR610698	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/2/1997	1/2/2007	7/2/1997	1/2/2007	12/25/1997			TRUE		TRUE					
23286	SR610703	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/2/1997	7/2/1997	7/2/1997	3/5/2004	12/25/1997			TRUE		TRUE					
23287	SR610705	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23288	SR610706	SSG	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	7/28/2004	1/7/1998			TRUE		TRUE					
23289	SR610707	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23290	SR610708	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23291	SR610709	SSG	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	1/11/2007	7/15/1997	1/11/2007	1/7/1998			TRUE		TRUE					
23292	SR610710	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	2/12/2007	7/15/1997	2/12/2007	1/7/1998			TRUE		TRUE					
23293	SR610711	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	7/28/2004	1/7/1998			TRUE		TRUE					
23294	SR610712	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23295	SR610713	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	3/15/2007	7/15/1997	3/15/2007	1/7/1998			TRUE		TRUE					
23296	SR610714	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23297	SR610715	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23298	SR610716	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23299	SR610717	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	7/28/2004	1/7/1998			TRUE		TRUE					
23300	SR610718	SSG	EMPLACED_CNTR	5/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23301	SR610719	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	11/22/2004	1/7/1998			TRUE		TRUE					
23302	SR610720	SSG	EMPLACED_CNTR	6/24/2008	5/1/2013 13:17	mccabed	SR-W027-221H-MET	S5440	V&P Vent	0	7/15/1997	7/15/1997	7/15/1997	9/30/2003		Changed container type per LWatson 050113.		TRUE	FALSE	TRUE					
23303	SR610721	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/15/1997	7/15/1997	7/15/1997	10/13/2003	1/7/1998			TRUE		TRUE					
23304	SR610722	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/15/1997	7/15/1997	7/15/1997	10/13/2003	1/7/1998			TRUE		TRUE					
23305	SR610723	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	4/17/2006	7/15/1997	4/17/2006	1/7/1998			TRUE		TRUE					
23306	SR610724	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	5/6/2005	7/15/1997	5/6/2005	1/7/1998			TRUE		TRUE					
23307	SR610725	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	2/15/2008	7/15/1997	2/15/2008	1/7/1998			TRUE		TRUE					
23308	SR610726	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/15/1997	2/15/2008	7/15/1997	2/15/2008	1/7/1998			TRUE		TRUE					
23309	SR610727	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/22/1997	5/6/2005	7/22/1997	5/6/2005	1/14/1998			TRUE		TRUE					
23310	SR610728	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/31/1997	7/1/2006	7/31/1997	7/1/2006	1/23/1998			TRUE		TRUE					
23311	SR610729	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/30/2004	1/23/1998			TRUE		TRUE					
23312	SR610730	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/27/2004	1/23/1998			TRUE		TRUE					
23313	SR610731	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/29/2004	1/23/1998			TRUE		TRUE					
23314	SR610732	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/27/2004	1/23/1998			TRUE		TRUE					
23315	SR610733	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/23/2004	1/23/1998			TRUE		TRUE					
23316	SR610734	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/30/2004	1/23/1998			TRUE		TRUE					
23317	SR610735	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/31/1997	6/12/2006	7/31/1997	6/12/2006	1/23/1998			TRUE		TRUE					
23318	SR610736	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	7/31/1997	9/21/2006	7/31/1997	9/21/2006	1/23/1998			TRUE		TRUE					
23319	SR610737	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	11/29/2004	1/23/1998			TRUE		TRUE					
23320	SR610738	SSG	EMPLACED_CNTR	6/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/31/1997	7/31/1997	7/31/1997	9/30/2003	1/23/1998			TRUE		TRUE					
23321	SR610739	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	7/31/1997	7/31/1997	7/31/1997	9/30/2003	1/23/1998			TRUE		TRUE					
23322	SR610740	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	7/31/1997	7/31/1997	7/31/1997	9/30/2003	1/23/1998			TRUE		TRUE					
23323	SR610741	SSG	EMPLACED_CNTR	5/12/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	5/29/2008	10/24/1997	5/29/2008	4/18/1998			TRUE		TRUE					
23324	SR610742	SSG	EMPLACED_CNTR	1/21/2010 19:00	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	11/13/1997	5/29/2008	11/13/1997	5/29/2008	5/6/1998			TRUE		TRUE					
23325	SR610743	SSG	EMPLACED_CNTR	4/21/2010 22:20	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	5/21/2008	10/24/1997	5/21/2008	4/18/1998			TRUE		TRUE					
23326	SR610744	SSG	EMPLACED_CNTR	6/20/2010 12:51	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	6/10/2008	10/24/1997	6/10/2008	4/18/1998			TRUE		TRUE					
23327	SR610745	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	6/23/2008	10/24/1997	6/23/2008	4/18/1998			TRUE		TRUE					
23328	SR610746	SSG	EMPLACED_CNTR	11/20/2009 14:34	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	6/10/2008	10/24/1997	6/10/2008	4/18/1998			TRUE		TRUE					
23329	SR610747	SSG	EMPLACED_CNTR	11/20/2009 14:34	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	5/20/2008	10/24/1997	5/20/2008	4/18/1998			TRUE		TRUE					
23330	SR610748	SSG	EMPLACED_CNTR	11/20/2009 14:34	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/24/1997	5/20/2008	10/24/1997	5/20/2008	4/18/1998			TRUE		TRUE					
23331	SR610749	SSG	EMPLACED_CNTR	3/1/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	2/18/1998	2/18/1998	2/18/1998	11/6/2007	8/13/1998			TRUE		TRUE					
23332	SR610750	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	2/18/1993	1/7/2008	2/18/1993	1/7/2008	8/13/1993			TRUE		TRUE					
23333	SR610750A	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440		0	1/7/2008		1/7/2008		2/1/2008			TRUE		TRUE					
23334	SR611051	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	8/24/1997	4/26/2006	8/24/1997	4/26/2006	2/16/1998			TRUE		TRUE					
23335	SR611052	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	8/24/1997	7/17/2008	8/24/1997	7/17/2008	2/16/1998			TRUE		TRUE					
23336	SR611061	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	8/20/1997	8/20/1997	8/20/1997	11/30/2004	2/12/1998			TRUE		TRUE					
23337	SR611062	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	8/20/1997	5/22/2006	8/20/1997	5/22/2006	2/12/1998			TRUE		TRUE					
23338	SR611063	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	8/20/1997	11/2/2006	8/20/1997	11/2/2006	2/12/1998			TRUE		TRUE					
23339	SR611064	SSG	EMPLACED_CNTR	4/27/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	8/20/1997	3/20/1997	8/20/1997	3/11/2004	2/12/1998			TRUE		TRUE					
23340	SR611065	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	8/20/1997	8/20/1997	8/20/1997	3/4/2004	2/12/1998			TRUE		TRUE					
23341	SR611067	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	9/25/1997	9/25/1997	9/25/1997	4/23/2004	3/20/1998			TRUE		TRUE					
23342	SR611068	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	9/25/1997	2/19/2006	9/25/1997	2/19/2006	3/20/1998			TRUE		TRUE					
23343	SR611069	SSG	EMPLACED_CNTR	10/26/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	9/25/1997	8/29/2006	9/25/1997	8/29/2006	3/20/1998			TRUE		TRUE					
23344	SR611070	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	9/25/1997	9/25/1997	9/25/1997	3/3/2004	3/20/1998			TRUE		TRUE					
23345	SR611071	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/9/1997	10/9/1997	10/9/1997	5/2/2004	4/3/1998			TRUE		TRUE					
23346	SR611072	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/9/1997	10/9/1997	10/9/1997	5/2/2004	4/3/1998			TRUE		TRUE					
23347	SR611073	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/9/1997	10/9/1997	10/9/1997	5/2/2004	4/3/1998			TRUE		TRUE					
23348	SR611074	SSG	EMPLACED_CNTR	8/21/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/9/1997	7/13/2005	10/9/1997	7/13/2005	4/3/1998			TRUE		TRUE					
23349	SR611075	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	10/9/1997	10/9/1997	10/9/1997	3/4/2004	4/3/1998			TRUE		TRUE					
23350	SR611076	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	10/9/1997	10/9/1997	10/9/1997	3/3/2004	4/3/1998			TRUE		TRUE					
23351	SR611077	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/9/1997	10/9/1997	10/9/1997	3/3/2004	4/3/1998			TRUE		TRUE					
23352	SR611078	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	3/13/2007	10/15/1997	3/13/2007	4/9/1998			TRUE		TRUE					
23353	SR611079	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	7/15/2006	10/15/1997	7/15/2006	4/9/1998			TRUE		TRUE					
23354	SR611080	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/15/1997	10/15/1997	10/15/1997	7/28/2004	4/9/1998			TRUE		TRUE					
23355	SR611081	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	6/17/2006	10/15/1997	6/17/2006	4/9/1998			TRUE		TRUE					
23356	SR611082	SSG	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	2/21/2006	10/15/1997	2/21/2006	4/9/1998			TRUE		TRUE					
23357	SR611083	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	2/15/2008	10/15/1997	2/15/2008	4/9/1998			TRUE		TRUE					
23358	SR611084	SSG	EMPLACED_CNTR	11/30/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	10/15/1997	6/15/2005	10/15/1997	6/15/2005	4/9/1998			TRUE		TRUE					
23359	SR611085	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/24/1997	10/24/1997	10/24/1997	7/28/2004	4/18/1998			TRUE		TRUE					
23360	SR611086	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440		0	10/24/1997		10/24/1997		4/18/1998			TRUE		TRUE					
23361	SR611087	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/24/1997	10/24/1997	10/24/1997	7/28/2004	4/18/1998			TRUE		TRUE					
23362	SR611088	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/24/1997	10/24/1997	10/24/1997	7/28/2004	4/18/1998			TRUE		TRUE					
23363	SR611089	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Vent	0	10/24/1997	10/24/1997	10/24/1997	5/2/2004	4/18/1998			TRUE		TRUE					
23364	SR611092	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	11/10/1997	12/18/2006	11/10/1997	12/18/2006	5/5/1998			TRUE		TRUE					
23365	SR611093	SSG	EMPLACED_CNTR	8/21/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	V&P Purge	0	11/10/1997	11/10/1997	11/10/1997	10/13/2003	5/5/1998			TRUE		TRUE					
23366	SR611095	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-221H-MET	S5440	Remediate	1	11/10/1997	6/15/2005	11/10/1997	6/15/2005	5/5/1998			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23357	SR611351	55G	EMPLACED_CNTR	6/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	5/1/2004	5/13/1998			TRUE		TRUE					
23358	SR611352	55G	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	5/2/2004	5/13/1998			TRUE		TRUE					
23359	SR611353	55G	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	5/2/2004	5/13/1998			TRUE		TRUE					
23370	SR611354	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	5/2/2004	5/13/1998			TRUE		TRUE					
23371	SR611355	55G	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	5/2/2004	5/13/1998			TRUE		TRUE					
23372	SR611356	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	11/18/1997	6/8/2006	11/18/1997	6/8/2006	5/13/1998			TRUE		TRUE					
23373	SR611357	55G	EMPLACED_CNTR	3/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	11/18/1997	11/18/1997	11/18/1997	7/28/2004	5/13/1998			TRUE		TRUE					
23374	SR611358	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	11/28/2004	6/26/1998			TRUE		TRUE					
23375	SR611359	55G	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	1/1/1998	1/1/1998	1/1/1998	10/26/2005	6/26/1998			TRUE		TRUE					
23376	SR611360	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	10/29/2005	6/26/1998			TRUE		TRUE					
23377	SR611361	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/1/1998	5/29/2004	1/1/1998	5/29/2004	6/26/1998			TRUE		TRUE					
23378	SR611362	55G	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	11/28/2004	6/26/1998			TRUE		TRUE					
23379	SR611363	55G	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	3/3/2004	6/26/1998			TRUE		TRUE					
23380	SR611364	55G	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	12/16/1997	4/30/2008	12/16/1997	4/30/2008	6/10/1998			TRUE		TRUE					
23381	SR611365	55G	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	3/4/2004	6/26/1998			TRUE		TRUE					
23382	SR611366	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/1/1998	1/1/1998	1/1/1998	3/3/2004	6/26/1998			TRUE		TRUE					
23383	SR611367	55G	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	12/16/1997	12/16/1997	12/16/1997	4/7/2008	6/10/1998			TRUE		TRUE					
23384	SR611368	55G	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	1/20/1998	1/20/1998	1/20/1998	7/21/2004	7/15/1998			TRUE		TRUE					
23385	SR611369	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/20/1998	1/20/1998	1/20/1998	11/29/2004	7/15/1998			TRUE		TRUE					
23386	SR611370	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/20/1998	1/20/1998	1/20/1998	11/23/2004	7/15/1998			TRUE		TRUE					
23387	SR611371	55G	EMPLACED_CNTR	6/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/20/1998	3/29/2006	1/20/1998	3/29/2006	7/15/1998			TRUE		TRUE					
23388	SR611372	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/20/1998	1/20/1998	1/20/1998	9/2/2004	7/15/1998			TRUE		TRUE					
23389	SR611373	55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/29/1998	11/10/2006	1/29/1998	11/10/2006	7/24/1998			TRUE		TRUE					
23390	SR611374	55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/29/1998	1/29/1998	1/29/1998	3/3/2004	7/24/1998			TRUE		TRUE					
23392	SR611375	55G	EMPLACED_CNTR	4/30/2015	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/29/1998	8/12/2004	1/29/1998	8/12/2004	7/24/1998			TRUE		TRUE					
23393	SR611376	55G	EMPLACED_CNTR	5/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	1/29/1998	10/15/2006	1/29/1998	10/15/2006	7/24/1998			TRUE		TRUE					
23394	SR611377	55G	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/29/1998		1/29/1998		7/24/1998			TRUE		TRUE					
23384	SR611378	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	1/29/1998		1/29/1998		7/24/1998			TRUE		TRUE					
23395	SR611379	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	1/29/1998	1/29/1998	1/29/1998	11/30/2004	7/24/1998			TRUE		TRUE					
23396	SR611380	55G	EMPLACED_CNTR	5/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/10/1998		2/10/1998		8/5/1998			TRUE		TRUE					
23397	SR611381	55G	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/10/1998		2/10/1998		8/5/1998			TRUE		TRUE					
23398	SR611382	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/10/1998		2/10/1998		8/5/1998			TRUE		TRUE					
23399	SR611383	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/10/1998	2/10/1998	2/10/1998	6/17/2004	8/5/1998			TRUE		TRUE					
23400	SR611384	55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/16/1998		2/10/1998		8/5/1998			TRUE		TRUE					
23401	SR611385	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	2/10/1998	2/10/1998	2/10/1998	11/30/2004	8/5/1998			TRUE		TRUE					
23402	SR611386	55G	EMPLACED_CNTR	2/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	2/10/1998		2/10/1998		8/5/1998			TRUE		TRUE					
23403	SR611387	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/4/1998	3/4/1998	3/4/1998	8/4/2005	8/27/1998			TRUE		TRUE					
23404	SR611388	55G	EMPLACED_CNTR	4/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	3/4/1998		3/4/1998		8/27/1998			TRUE		TRUE					
23405	SR611389	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/4/1998	3/4/1998	3/4/1998	11/28/2004	8/27/1998			TRUE		TRUE					
23406	SR611390	55G	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/4/1998	3/4/1998	3/4/1998	10/25/2005	8/27/1998			TRUE		TRUE					
23407	SR611391	55G	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/4/1998	12/4/2006	3/4/1998	12/4/2006	8/27/1998			TRUE		TRUE					
23408	SR611392	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/4/1998	3/4/1998	3/4/1998	11/30/2004	8/27/1998			TRUE		TRUE					
23409	SR611393	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/4/1998	3/4/1998	3/4/1998	11/30/2004	8/27/1998			TRUE		TRUE					
23410	SR611394	55G	EMPLACED_CNTR	10/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/11/1998	4/10/2007	3/11/1998	4/10/2007	9/3/1998			TRUE		TRUE					
23411	SR611397	55G	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/11/1998	4/11/2007	3/11/1998	4/11/2007	9/3/1998			TRUE		TRUE					
23412	SR611551	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/4/1998	3/4/1998	3/4/1998	11/28/2004	8/27/1998			TRUE		TRUE					
23413	SR611552	55G	EMPLACED_CNTR	6/3/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/4/1998	3/4/1998	3/4/1998	11/28/2004	8/27/1998			TRUE		TRUE					
23414	SR611553	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/4/1998	3/4/1998	3/4/1998	10/24/2005	8/27/1998			TRUE		TRUE					
23415	SR611554	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/4/1998	3/4/1998	3/4/1998	11/29/2004	8/27/1998			TRUE		TRUE					
23416	SR611555	55G	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/11/1998	5/12/2008	3/11/1998	5/12/2008	9/3/1998			TRUE		TRUE					
23417	SR611556	55G	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/30/1998	7/19/2006	3/30/1998	7/19/2006	9/22/1998			TRUE		TRUE					
23418	SR611557	55G	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	11/27/2004	9/22/1998			TRUE		TRUE					
23419	SR611558	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	11/27/2004	9/22/1998			TRUE		TRUE					
23420	SR611559	55G	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1998	3/30/1998	3/30/1998	11/27/2004	9/22/1998			TRUE		TRUE					
23421	SR611560	55G	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1998	3/30/1998	3/30/1998	10/25/2005	9/22/1998			TRUE		TRUE					
23422	SR611561	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	11/29/2004	9/22/1998			TRUE		TRUE					
23423	SR611562	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	11/29/2004	9/22/1998			TRUE		TRUE					
23424	SR611563	55G	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	4/23/2004	9/22/1998			TRUE		TRUE					
23425	SR611564	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1998	3/30/1998	3/30/1998	11/28/2004	9/22/1998			TRUE		TRUE					
23426	SR611565	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1998	3/30/1998	3/30/1998	11/28/2004	9/22/1998			TRUE		TRUE					
23427	SR611566	55G	EMPLACED_CNTR	7/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	3/30/1998	11/29/2004	3/30/1998	11/29/2004	9/22/1998			TRUE		TRUE					
23428	SR611567	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	3/30/1998	3/30/1998	3/30/1998	10/29/2005	9/22/1998			TRUE		TRUE					
23429	SR611568	55G	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	3/30/1998	3/30/1998	3/30/1998	11/30/2004	9/22/1998			TRUE		TRUE					
23430	SR611569	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	11/28/2004	12/9/1998			TRUE		TRUE					
23431	SR611570	55G	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/4/1998	6/4/1998	6/4/1998	4/23/2004	11/27/1998			TRUE		TRUE					
23432	SR611571	55G	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/4/1998	6/4/1998	6/4/1998	4/23/2004	11/27/1998			TRUE		TRUE					
23433	SR611572	55G	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/4/1998	6/4/1998	6/4/1998	11/29/2004	11/27/1998			TRUE		TRUE					
23434	SR611573	55G	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/16/1998	11/27/2006	6/16/1998	11/27/2006	12/9/1998			TRUE		TRUE					
23435	SR611574	55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	4/23/2004	12/9/1998			TRUE		TRUE					
23436	SR611575	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	4/23/2004	12/9/1998			TRUE		TRUE					
23437	SR611576	55G	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	4/23/2004	12/9/1998			TRUE		TRUE					
23438	SR611577	55G	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	4/23/2004	12/9/1998			TRUE		TRUE					
23439	SR611578	55G	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/11/1998		6/11/1998		12/4/1998			TRUE		TRUE					
23440	SR611579	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/11/1998		6/11/1998		12/4/1998			TRUE		TRUE					
23441	SR611580	55G	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	6/11/1998		6/11/1998		12/4/1998			TRUE		TRUE					
23442	SR611581	55G	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/11/1998	10/31/2006	6/11/1998	10/31/2006	12/4/1998			TRUE		TRUE					
23443	SR611582	55G	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	6/11/1998	3/20/2006	6/11/1998	3/20/2006	12/4/1998			TRUE		TRUE					
23444	SR611583	55G	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	3/23/2004	12/8/1998			TRUE		TRUE					
23445	SR611584	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	6/16/1998	6/16/1998	6/16/1998	10/2/2003	12/9/1998			TRUE		TRUE					
23446	SR611585	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Vent	0	7/20/1998	7/20/1998	7/20/1998	9/3/2004	1/12/1999			TRUE		TRUE					
23447	SR611586	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/20/1998		7/20/1998		1/12/1999			TRUE		TRUE					
23448	SR611587	55G	EMPLACED_CNTR	11/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/8/1998		7/8/1998		12/31/1998			TRUE		TRUE					
23449	SR611588	55G	EMPLACED_CNTR	7/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/29/1998	3/31/2004	7/20/1998	3/31/2004	1/12/1999			TRUE		TRUE					
23450	SR611589	55G	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/8/1998	2/22/2006	7/8/1998	2/22/2006	12/31/1998			TRUE		TRUE					
23451	SR611590	55G	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/20/1998	7/19/2005	7/20/1998	7/19/2005	1/12/1999			TRUE		TRUE					
23452	SR611591	55G	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440		0	7/20/1998		7/20/1998		1/12/1999			TRUE		TRUE					
23453	SR611592	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	V&P Purge	0	7/20/1998	7/20/1966	7/20/1998	9/18/2003	1/12/1999			TRUE		TRUE					
23454	SR611593	55G	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	55440	Remediate	1	7/29/1998	5/22/2006	7/29/1998	5/22/2006	1/21/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23455	SR611592A	SSG	EMPLACED_CNTR	7/15/2012 13:24	3/22/2011 10:05	mccabed	SR-WQ27-221H-HET	SS440			5/22/2006	3/15/2012	5/22/2006	3/15/2012		Container was previously assigned SWD061362; Tru drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
23456	SR611594	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	7/29/1998	7/29/1998	7/29/1998	4/23/2004	1/21/1999			TRUE		TRUE					
23457	SR611595	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	7/29/1998	10/9/2006	7/29/1998	10/9/2006	1/21/1999			TRUE		TRUE					
23458	SR611596	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	8/12/1998	8/12/1998	8/12/1998	7/19/2006	2/4/1999			TRUE		TRUE					
23459	SR611597	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	7/29/1998	7/29/1998	7/29/1998	3/3/2004	1/21/1999			TRUE		TRUE					
23460	SR611598	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1998	11/30/2004	8/12/1998	11/30/2004	2/4/1999			TRUE		TRUE					
23461	SR611599	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	7/14/1998	7/14/1998	7/14/1998	5/2/2004	1/6/1999			TRUE		TRUE					
23462	SR611600	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	7/29/1998		7/29/1998		1/21/1999			TRUE		TRUE					
23463	SR611601	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1998	5/8/2006	8/12/1998	5/8/2006	2/4/1999			TRUE		TRUE					
23464	SR611602	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1998		8/12/1998		2/4/1999			TRUE		TRUE					
23465	SR611603	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/12/1998		8/12/1998		2/4/1999			TRUE		TRUE					
23466	SR611604	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1998	4/21/2006	8/12/1998	4/21/2006	2/4/1999			TRUE		TRUE					
23467	SR611605	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	8/12/1998	8/12/1998	8/12/1998	9/16/2003	2/4/1999			TRUE		TRUE					
23468	SR611606	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/12/1998	4/2/2006	8/12/1998	4/2/2006	2/4/1999			TRUE		TRUE					
23469	SR611607	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/31/1998		8/31/1998		2/23/1999			TRUE		TRUE					
23470	SR611608	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	8/31/1998	8/31/1998	8/31/1998	5/2/2004	2/23/1999			TRUE		TRUE					
23471	SR611609	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/27/1998	1/18/2006	8/27/1998	1/18/2006	2/19/1999			TRUE		TRUE					
23472	SR611610	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/27/1998		8/27/1998		2/19/1999			TRUE		TRUE					
23473	SR611611	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	8/27/1998	3/28/2004	8/27/1998	3/28/2004	2/19/1999			TRUE		TRUE					
23474	SR611612	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	8/27/1998		8/27/1998		2/19/1999			TRUE		TRUE					
23475	SR611613	SSG	EMPLACED_CNTR	11/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	8/27/1998	8/27/1998	8/27/1998	10/28/2005	2/19/1999			TRUE		TRUE					
23476	SR611614	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/15/1998		9/15/1998		3/10/1999			TRUE		TRUE					
23477	SR611615	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/15/1998	9/15/1998	9/15/1998	5/2/2004	3/10/1999			TRUE		TRUE					
23478	SR611616	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/15/1998	9/15/1998	9/15/1998	5/2/2004	3/10/1999			TRUE		TRUE					
23479	SR611617	SSG	EMPLACED_CNTR	8/31/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/15/1998	9/15/1998	9/15/1998	5/2/2004	3/10/1999			TRUE		TRUE					
23480	SR611618	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	9/15/1998	8/26/2005	9/15/1998	8/26/2005	3/10/1999			TRUE		TRUE					
23481	SR611619	SSG	EMPLACED_CNTR	11/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/15/1998	9/15/1998	9/15/1998	5/7/2004	3/10/1999			TRUE		TRUE					
23487	SR611620	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/23/1998	9/23/1998	9/23/1998	5/2/2004	3/18/1999			TRUE		TRUE					
23483	SR611621	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/23/1998	9/23/1998	9/23/1998	5/2/2004	3/18/1999			TRUE		TRUE					
23484	SR611622	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/24/1998		9/24/1998		3/19/1999			TRUE		TRUE					
23485	SR611623	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1998		9/23/1998		3/18/1999			TRUE		TRUE					
23486	SR611624	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	9/23/1998		9/23/1998		3/18/1999			TRUE		TRUE					
23487	SR611625	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	9/23/1998	9/23/1998	9/23/1998	3/21/2004	3/18/1999			TRUE		TRUE					
23488	SR611626	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/8/1998	7/26/2005	10/8/1998	7/26/2005	4/2/1999			TRUE		TRUE					
23489	SR611627	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/8/1998	10/7/2006	10/8/1998	10/7/2006	4/2/1999			TRUE		TRUE					
23490	SR611628	SSG	EMPLACED_CNTR	5/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/8/1998	4/10/2004	10/8/1998	4/10/2004	4/2/1999			TRUE		TRUE					
23491	SR611629	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/8/1998	3/28/2004	10/8/1998	3/28/2004	4/2/1999			TRUE		TRUE					
23492	SR611630	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/8/1998	10/8/1998	10/8/1998	9/16/2003	4/2/1999			TRUE		TRUE					
23493	SR611631	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/14/1998	10/14/1998	10/14/1998	2/27/2004	4/8/1999			TRUE		TRUE					
23494	SR611632	SSG	EMPLACED_CNTR	12/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	10/14/1998	10/14/1998	10/14/1998	2/29/2004	4/8/1999			TRUE		TRUE					
23495	SR611633	SSG	EMPLACED_CNTR	7/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	10/14/1998	2/13/2007	10/14/1998	2/13/2007	4/8/1999			TRUE		TRUE					
23496	SR611634	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	10/14/1998	10/14/1998	10/14/1998	2/29/2004	4/8/1999			TRUE		TRUE					
23497	SR611635	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/5/1998	11/5/1998	11/5/1998	5/2/2004	4/30/1999			TRUE		TRUE					
23498	SR611636	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/5/1998	11/5/1998	11/5/1998	2/28/2004	4/30/1999			TRUE		TRUE					
23499	SR611637	SSG	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	11/5/1998	11/5/1998	11/5/1998	2/26/2004	4/30/1999			TRUE		TRUE					
23500	SR611638	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/5/1998	10/24/2005	11/5/1998	10/24/2005	4/30/1999			TRUE		TRUE					
23501	SR611639	SSG	EMPLACED_CNTR	2/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/5/1998	8/14/2006	11/5/1998	8/14/2006	4/30/1999			TRUE		TRUE					
23502	SR611640	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/5/1998	11/5/1998	11/5/1998	2/27/2004	4/30/1999			TRUE		TRUE					
23503	SR611641	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/18/1998	11/18/1998	11/18/1998	4/23/2004	5/13/1999			TRUE		TRUE					
23504	SR611642	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/17/1998	11/17/1998	11/17/1998	4/23/2004	5/12/1999			TRUE		TRUE					
23505	SR611643	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	11/17/1998	11/17/1998	11/17/1998	5/2/2004	5/12/1999			TRUE		TRUE					
23506	SR611644	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	11/18/1998	11/18/1998	11/18/1998	2/28/2004	5/13/1999			TRUE		TRUE					
23507	SR611645	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	11/17/1998	11/17/1998	11/17/1998	2/28/2004	5/12/1999			TRUE		TRUE					
23508	SR611646	SSG	EMPLACED_CNTR	12/15/2012 10:54	4/10/2012 15:22	mccabed	SR-WQ27-221H-HET	SS440			11/12/1997		11/12/1997					TRUE	TRUE	TRUE					
23509	SR611647	SSG	EMPLACED_CNTR	12/15/2012 10:54	4/10/2012 15:22	mccabed	SR-WQ27-221H-HET	SS440			11/12/1997		11/12/1997					TRUE	TRUE	TRUE					
23510	SR611648	SSG	EMPLACED_CNTR	5/30/2012 9:02	4/10/2012 15:22	mccabed	SR-WQ27-221H-HET	SS440			11/12/1997		11/12/1997					TRUE	TRUE	TRUE					
23511	SR611649	SSG	EMPLACED_CNTR	8/1/2012 11:14	5/13/2012 16:42	mccabed	SR-WQ27-221H-HET	SS440	Purge		11/12/1997		11/12/1997	11/23/2004				TRUE	TRUE	TRUE					
23512	SR611650	SSG	EMPLACED_CNTR	7/15/2012 13:24	4/10/2012 15:22	mccabed	SR-WQ27-221H-HET	SS440			11/12/1997		11/12/1997					TRUE	TRUE	TRUE					
23513	SR611751	SSG	EMPLACED_CNTR	8/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	12/10/1998	12/10/1998	12/10/1998	3/1/2004	6/4/1999			TRUE		TRUE					
23514	SR611752	SSG	EMPLACED_CNTR	6/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	12/10/1998	12/10/1998	12/10/1998	2/27/2004	6/4/1999			TRUE		TRUE					
23515	SR611753	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/10/1998	11/20/2005	12/10/1998	11/20/2005	6/4/1999			TRUE		TRUE					
23516	SR611754	SSG	EMPLACED_CNTR	6/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	12/10/1998	12/10/1998	12/10/1998	2/27/2004	6/4/1999			TRUE		TRUE					
23517	SR611755	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/10/1998	12/10/1998	12/10/1998	5/2/2004	6/4/1999			TRUE		TRUE					
23518	SR611756	SSG	EMPLACED_CNTR	6/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/10/1998	12/22/2005	12/10/1998	12/22/2005	6/4/1999			TRUE		TRUE					
23519	SR611757	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	12/17/1998	12/17/1998	12/17/1998	2/28/2004	6/11/1999			TRUE		TRUE					
23520	SR611758	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/17/1998	12/17/1998	12/17/1998	3/1/2004	6/11/1999			TRUE		TRUE					
23521	SR611759	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/17/1998	12/17/1998	12/17/1998	3/21/2004	6/11/1999			TRUE		TRUE					
23522	SR611760	SSG	EMPLACED_CNTR	7/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/17/1998	12/2/2004	12/17/1998	12/2/2004	6/11/1999			TRUE		TRUE					
23523	SR611761	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	12/17/1998	4/20/2006	12/17/1998	4/20/2006	6/11/1999			TRUE		TRUE					
23524	SR611762	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	NCR-SRS-0511-04	0	12/17/1998	12/17/1998	12/17/1998	3/18/2004	6/11/1999			TRUE		TRUE					
23525	SR611763	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/17/1998	12/17/1998	12/17/1998	5/2/2004	6/11/1999			TRUE		TRUE					
23526	SR611764	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	12/17/1998	12/17/1998	12/17/1998	5/7/2004	6/11/1999			TRUE		TRUE					
23527	SR611765	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	1/13/1999	1/13/1999	1/13/1999	3/24/2004	7/8/1999			TRUE		TRUE					
23528	SR611766	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	1/13/1999	1/13/1999	1/13/1999	3/1/2004	7/8/1999			TRUE		TRUE					
23529	SR611767	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	1/13/1999	1/13/1999	1/13/1999	2/29/2004	7/8/1999			TRUE		TRUE					
23530	SR611768	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Purge	0	1/13/1999	1/13/1999	1/13/1999	2/26/2004	7/8/1999			TRUE		TRUE					
23531	SR611769	SSG	EMPLACED_CNTR	12/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	1/13/1999	1/14/2006	1/13/1999	1/14/2006	7/8/1999			TRUE		TRUE					
23532	SR611770	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	1/13/1999	1/13/1999	1/13/1999	5/2/2004	7/8/1999			TRUE		TRUE					
23533	SR611771	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	2/3/1999	2/3/1999	2/3/1999	3/23/2004	7/29/1999			TRUE		TRUE					
23534	SR611772	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/3/1999		2/3/1999		7/29/1999			TRUE		TRUE					
23535	SR611773	SSG	EMPLACED_CNTR	8/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	2/3/1999	9/19/2006	2/3/1999	9/19/2006	7/29/1999			TRUE		TRUE					
23536	SR611774	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	2/3/1999	2/3/1999	2/3/1999	3/21/2004	7/29/1999			TRUE		TRUE					
23537	SR611775	SSG	EMPLACED_CNTR	8/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	2/3/1999	2/3/1999	2/3/1999	5/2/2004	7/29/1999			TRUE		TRUE					
23538	SR611776	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	Remediate	1	2/3/1999	7/13/2005	2/3/1999	7/13/2005	7/29/1999			TRUE		TRUE					
23539	SR611777	SSG	EMPLACED_CNTR	8/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440	V&P Vent	0	2/10/1999	2/10/1999	2/10/1999	2/28/2004	8/5/1999			TRUE		TRUE					
23540	SR611778	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-221H-HET	SS440		0	2/10/1999		2/10/1999		8/5/1999			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23541	SR611779	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	2/10/1999	2/10/1999	2/10/1999	3/21/2004	8/5/1999			TRUE		TRUE					
23542	SR611780	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	2/10/1999	2/10/1999	2/10/1999	3/21/2004	8/5/1999			TRUE		TRUE					
23543	SR611781	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	2/10/1999	2/10/1999	2/10/1999	3/21/2004	8/5/1999			TRUE		TRUE					
23544	SR611782	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	2/10/1999	2/10/1999	2/10/1999	2/4/2004	8/5/1999			TRUE		TRUE					
23545	SR611783	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/3/1999	3/3/1999	3/3/1999	2/27/2004	8/26/1999			TRUE		TRUE					
23546	SR611784	SSG	EMPLACED_CNTR	12/7/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/3/1999	3/3/1999	3/3/1999	3/21/2004	8/26/1999			TRUE		TRUE					
23547	SR611785	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/3/1999	3/3/1999	3/3/1999	4/13/2004	8/26/1999			TRUE		TRUE					
23548	SR611788	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/3/1999	3/3/1999	3/3/1999	4/9/2004	8/26/1999			TRUE		TRUE					
23549	SR611789	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	3/3/1999		3/3/1999		8/26/1999			TRUE		TRUE					
23550	SR611790	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/3/1999	3/3/1999	3/3/1999	4/8/2004	8/26/1999			TRUE		TRUE					
23551	SR611791	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	3/3/1999	7/18/2005	3/3/1999	7/18/2005	8/26/1999			TRUE		TRUE					
23552	SR611792	SSG	EMPLACED_CNTR	7/9/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/18/1999	3/18/1999	3/18/1999	4/9/2004	9/10/1999			TRUE		TRUE					
23553	SR611793	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	3/18/1999		3/18/1999		9/10/1999			TRUE		TRUE					
23554	SR611794	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/18/1999	3/18/1999	3/18/1999	5/2/2004	9/10/1999			TRUE		TRUE					
23555	SR611795	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	3/18/1999		3/18/1999		9/10/1999			TRUE		TRUE					
23556	SR611796	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/18/1999	3/18/1999	3/18/1999	4/23/2004	9/10/1999			TRUE		TRUE					
23557	SR611797	SSG	EMPLACED_CNTR	8/13/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	3/18/1999	3/18/1999	3/18/1999	4/23/2004	9/10/1999			TRUE		TRUE					
23558	SR611798	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	5/6/1999		5/6/1999		10/29/1999			TRUE		TRUE					
23559	SR611799	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	5/6/1999		5/6/1999		10/29/1999			TRUE		TRUE					
23560	SR611800	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	5/6/1999		5/6/1999		10/29/1999			TRUE		TRUE					
23561	SR611801	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	5/6/1999		5/6/1999		10/29/1999			TRUE		TRUE					
23562	SR611802	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	5/6/1999	5/6/1999	5/6/1999	3/21/2004	10/29/1999			TRUE		TRUE					
23563	SR611803	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	5/6/1999	10/20/2006	5/6/1999	10/20/2006	10/29/1999			TRUE		TRUE					
23564	SR611804	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	5/6/1999	7/27/2005	5/6/1999	7/27/2005	10/29/1999			TRUE		TRUE					
23565	SR611805	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	5/6/1999	5/6/1999	5/6/1999	4/23/2004	10/29/1999			TRUE		TRUE					
23566	SR611806	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	5/6/1999	7/21/2005	5/6/1999	7/21/2005	10/29/1999			TRUE		TRUE					
23567	SR611807	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/9/1999		6/9/1999		12/2/1999			TRUE		TRUE					
23568	SR611808	SSG	EMPLACED_CNTR	3/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/9/1999		6/9/1999		12/2/1999			TRUE		TRUE					
23569	SR611809	SSG	EMPLACED_CNTR	6/22/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/9/1999		6/9/1999		12/2/1999			TRUE		TRUE					
23570	SR611810	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/9/1999		6/9/1999		12/2/1999			TRUE		TRUE					
23571	SR611811	SSG	EMPLACED_CNTR	11/27/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	6/9/1999	6/9/1999	6/9/1999	3/22/2004	12/2/1999			TRUE		TRUE					
23572	SR611812	SSG	EMPLACED_CNTR	4/25/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/9/1999		6/9/1999		12/2/1999			TRUE		TRUE					
23573	SR611813	SSG	EMPLACED_CNTR	2/3/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	6/9/1999	9/21/2006	6/9/1999	9/21/2006	12/2/1999			TRUE		TRUE					
23574	SR611814	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	6/9/1999	4/2/2006	6/9/1999	4/2/2006	12/2/1999			TRUE		TRUE					
23575	SR611815	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	7/7/1999	8/5/2004	7/7/1999	8/5/2004	12/30/1999			TRUE		TRUE					
23576	SR611816	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	7/7/1999	7/7/1999	7/7/1999	8/5/2006	12/30/1999			TRUE		TRUE					
23577	SR611817	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	7/7/1999		7/7/1999	11/27/2004	12/30/1999			TRUE		TRUE					
23578	SR611818	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	7/7/1999	7/16/2005	7/7/1999	7/16/2005	12/30/1999			TRUE		TRUE					
23579	SR611819	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	7/8/1999	7/8/1999	7/8/1999	5/7/2004	12/31/1999			TRUE		TRUE					
23580	SR611820	SSG	EMPLACED_CNTR	2/7/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	7/7/1999	12/27/2006	7/7/1999	12/27/2006	12/30/1999			TRUE		TRUE					
23581	SR611822	SSG	EMPLACED_CNTR	2/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/31/1999		8/31/1999		2/23/2000			TRUE		TRUE					
23582	SR611823	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	8/31/1999	8/31/1999	8/31/1999	6/17/2004	2/23/2000			TRUE		TRUE					
23583	SR611824	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	8/31/1999	8/31/1999	8/31/1999	6/17/2004	2/23/2000			TRUE		TRUE					
23584	SR611825	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/31/1999		8/31/1999		2/23/2000			TRUE		TRUE					
23585	SR611826	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/31/1999		8/31/1999		2/23/2000			TRUE		TRUE					
23586	SR611827	SSG	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	8/31/1999	8/31/1999	8/31/1999	6/17/2004	2/23/2000			TRUE		TRUE					
23587	SR611828	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/31/1999		8/31/1999		2/23/2000			TRUE		TRUE					
23588	SR611829	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	8/31/1999	8/31/1999	8/31/1999	11/27/2004	2/23/2000			TRUE		TRUE					
23589	SR611830	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/31/1999	1/19/2006	8/31/1999	1/19/2006	2/23/2000			TRUE		TRUE					
23590	SR611831	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/31/1999		8/31/1999		2/23/2000			TRUE		TRUE					
23591	SR611832	SSG	EMPLACED_CNTR	10/9/2011 10:55	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	11/15/1999	10/12/2006	11/15/1999	10/12/2006	5/9/2000			TRUE	TRUE	TRUE					
23592	SR611833	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	11/15/1999		11/15/1999		5/9/2000			TRUE		TRUE					
23593	SR634009X	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	9/10/1973	3/21/2008		3/21/2008				TRUE		TRUE					
23594	SR634009Y	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	9/10/1973	7/15/2008		7/15/2008				TRUE		TRUE					
23595	SR634002	SSG	EMPLACED_CNTR	11/14/2010 10:37	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	9/10/1973	11/30/2009		11/30/2009				TRUE		TRUE					
23596	SR634002A	SSG	EMPLACED_CNTR	2/23/2011 7:45	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	11/30/2009		11/30/2009		5/25/2010			TRUE		TRUE					
23597	SR636723	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/22/1973	4/3/2008		4/3/2008				TRUE		TRUE					
23598	SR636777	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/22/1973	3/26/2008		3/26/2008				TRUE		TRUE					
23599	SR636722	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/22/1973	6/5/2008		6/5/2008				TRUE		TRUE					
23600	SR67051	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	9/20/1973	3/12/2008		3/12/2008				TRUE		TRUE					
23601	SR67054	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/6/1973	9/18/2008		9/18/2008				TRUE		TRUE					
23602	SR67055	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/6/1973	1/23/2008		1/23/2008				TRUE		TRUE					
23603	SR67056	SSG	EMPLACED_CNTR	6/14/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/6/1973	1/30/2008		1/30/2008				TRUE		TRUE					
23604	SR67057	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/6/1973	7/11/2008		7/11/2008				TRUE		TRUE					
23605	SR67058	SSG	EMPLACED_CNTR	3/29/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/7/1973	3/20/2008		3/20/2008				TRUE		TRUE					
23606	SR67059	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	12/7/1973	6/5/2008		6/5/2008				TRUE		TRUE					
23607	SR67059A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/5/2008		6/5/2008		11/28/2008			TRUE		TRUE					
23608	SR73519	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/31/1973	6/9/2008		6/9/2008				TRUE		TRUE					
23609	SR95573	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	8/30/1979		10/20/1999		4/13/2000			TRUE		TRUE					
23610	SR85575	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/30/1979	12/26/2007	12/7/1999	12/26/2007	5/26/2000			TRUE		TRUE					
23611	SR900098	SSG	APPROVED_SHIP		7/12/2012 14:41	mccabed	SR-W027-221H-HET	S5440			2/13/1987		4/7/2005			The original drum identification tag was lost and the container was subsequently assigned this number. Sufficient evidence exists that ties SR900098 to burial slip SR215442. Added per MDoherty email 070512.		TRUE	FALSE	TRUE	NA				
23612	SR91692	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	7/15/1976	3/3/2004	3/4/1999	3/3/2004	8/27/1999			TRUE		TRUE					
23613	SR91692A	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1		3/3/2004		3/3/2004				TRUE		TRUE					
23614	SR92327	SSG	EMPLACED_CNTR	12/15/2012 13:43	11/1/2011 14:09	mccabed	SR-W027-221H-HET	S5440			7/29/1976			5/6/2009				TRUE	TRUE	TRUE	NA				
23615	SR95003	SSG	EMPLACED_CNTR	9/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/29/1978		4/27/1999		10/20/1999			TRUE		TRUE					
23616	SR95004	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	6/29/1978		6/28/1999		12/21/1999			TRUE		TRUE					
23617	SR95005	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	7/25/1978	2/27/2004	4/22/1999	2/27/2004	10/15/1999			TRUE		TRUE					
23618	SR95009	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	8/24/1978	2/26/2004	7/12/1999	2/26/2004	1/4/2000			TRUE		TRUE					
23619	SR95011	SSG	EMPLACED_CNTR	10/15/2003	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	9/5/1978		5/20/1999		11/12/1999			TRUE		TRUE					
23620	SR95781	SSG	EMPLACED_CNTR	11/16/2012 10:11	11/1/2011 14:18	mccabed	SR-W027-221H-HET	S5440			12/1/1977	2/12/2007		2/22/2007				TRUE	TRUE	TRUE	NA				
23621	SR95785	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	Remediate	1	11/17/1977	2/28/2004	3/25/1999	2/28/2004	9/17/1999			TRUE		TRUE					
23622	SR95787	SSG	EMPLACED_CNTR	3/17/2007	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440	V&P Vent	0	1/20/1977	1/20/1977	12/31/1999	9/25/2006	6/24/2000			TRUE		TRUE					
23623	SR95788	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Upd	SR-W027-221H-HET	S5440		0	1/20/1977		3/24/1999		9/16/1999			TRUE		TRUE					
23624	SR95790	SSG	EMPLACED_CNTR	1/11/2012 14:24	11/1/2011 14:12	mccabed	SR-W027-221H-HET	S5440			12/1/1977			5/11/2009				TRUE	TRUE	TRUE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23625	SR95892	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440	V&P Purge	0	6/23/1977	6/23/1977	12/31/1999	5/6/2004	6/24/2000			TRUE		TRUE					
23626	SR95893	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET	S5440		0	7/28/1977		6/17/1999		12/10/1999			TRUE		TRUE					
23627	WMAPSWB341	SWB	EMPLACED_CNTR	10/16/2011 14:40	4/28/2011 6:00	idcwebuser	SR-W027-221H-HET	S5440		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
23628	WMAPSWB342	SWB	EMPLACED_CNTR	6/5/2012 6:02	4/28/2011 6:00	idcwebuser	SR-W027-221H-HET	S5440		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
23629	WMAPSWB549	SWB	EMPLACED_CNTR	4/19/2013 14:54	10/17/2012 8:57	mccabed	SR-W027-221H-HET	S5440	None	0	10/4/2012	10/11/2012	10/4/2012	10/11/2012		Contains liquid; Will be repackaged before characterization; 221-F-S5078 Tru Waste Container Remediation.	- Rpkgd was SR5030727	TRUE	TRUE	TRUE			SR5030727		Repack
23630	WMAPSWB579	SWB	APPROVED_CERT		3/6/2013 13:54	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				Repacked was SR522599 / Repacked was SR529304	TRUE	TRUE	TRUE					
23631	WMAPSWB580	SWB	APPROVED_CERT		3/6/2013 13:58	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				/ Repacked was SR529321 / Repacked was SR526295	TRUE	TRUE	TRUE					
23632	WMAPSWB581	SWB	APPROVED_CERT		3/6/2013 14:08	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				Repacked was SR526280 / Repacked was SR529327	TRUE	TRUE	TRUE					
23633	WMAPSWB582	SWB	APPROVED_CERT		3/6/2013 14:19	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				/ Repacked was SR529333 / Repacked was SR526287	TRUE	TRUE	TRUE					
23634	WMAPSWB583	SWB	APPROVED_CERT		3/6/2013 14:27	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				/ Repacked was SR522600 / Repacked was SR529311	TRUE	TRUE	TRUE					
23635	WMAPSWB584	SWB	APPROVED_CERT		3/6/2013 14:22	mccabed	SR-W027-221H-HET	S5440	None	0	2/8/2013		2/8/2013				- Rpkgd was SR522598	TRUE	TRUE	TRUE			SR522598		Repack
23636	WMAPSWB585	SWB	APPROVED_CERT		3/6/2013 14:30	mccabed	SR-W027-221H-HET	S5440			2/8/2013		2/8/2013				/ Repacked was SR529301 / Repacked was SR526283	TRUE	TRUE	TRUE					
23637	WMAPSWB588	SWB	APPROVED_CERT		3/13/2013 7:52	mccabed	SR-W027-221H-HET	S5440			2/26/2013		2/26/2013			Un-excluded per JHarrison 030413.	/ Repacked was SR529303 / Repacked was SR526292	TRUE	FALSE	TRUE					
23638	WMAPSWB589	SWB	APPROVED_CERT		3/13/2013 7:53	mccabed	SR-W027-221H-HET	S5440			2/26/2013		2/26/2013			Un-excluded per JHarrison 030413.	/ Repacked was SR522597 / Repacked was SR526277	TRUE	FALSE	TRUE					
23639	WMAPSWB590	SWB	APPROVED_CERT		3/13/2013 7:53	mccabed	SR-W027-221H-HET	S5440			2/26/2013		2/26/2013			Un-excluded per JHarrison 030413.	/ Repacked was SR529305 / Repacked was SR529306	TRUE	FALSE	TRUE					
23640	WMAPSWB591	SWB	APPROVED_CERT		3/13/2013 7:54	mccabed	SR-W027-221H-HET	S5440			2/26/2013		2/26/2013			Un-excluded per JHarrison 030413.	/ Repacked was SR529308 / Repacked was SR526278	TRUE	FALSE	TRUE					
23641	WMAPSWB592	SWB	APPROVED_CERT		3/13/2013 7:55	mccabed	SR-W027-221H-HET	S5440	None	0	2/26/2013		2/26/2013			Un-excluded per JHarrison 030413.	- Rpkgd was SR526297	TRUE	TRUE	TRUE			SR526297		Repack
23642	WMAPSWB593	SWB	APPROVED_CERT		3/19/2013 9:36	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR526282 / Repacked was SR526299	TRUE	TRUE	TRUE					
23643	WMAPSWB594	SWB	APPROVED_CERT		3/19/2013 9:37	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR526289 / Repacked was SR529307	TRUE	TRUE	TRUE					
23644	WMAPSWB595	SWB	APPROVED_CERT		3/19/2013 9:38	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR529302 / Repacked was SR526279	TRUE	TRUE	TRUE					
23645	WMAPSWB596	SWB	APPROVED_CERT		3/19/2013 9:38	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR526284 / Repacked was SR526290	TRUE	TRUE	TRUE					
23646	WMAPSWB597	SWB	APPROVED_CERT		3/19/2013 9:39	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR529323 / Repacked was SR526286	TRUE	TRUE	TRUE					
23647	WMAPSWB598	SWB	APPROVED_CERT		3/19/2013 9:39	mccabed	SR-W027-221H-HET	S5440			3/7/2013		3/7/2013				/ Repacked was SR526291 / Repacked was SR522596	TRUE	TRUE	TRUE					
23648	WMAPSWB599	SWB	APPROVED_CERT		3/19/2013 10:40	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR529312 / Repacked was SR526281	TRUE	TRUE	TRUE					
23649	WMAPSWB600	SWB	APPROVED_CERT		3/19/2013 10:41	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR526300 / Repacked was SR529334	TRUE	TRUE	TRUE					
23650	WMAPSWB601	SWB	APPROVED_CERT		3/19/2013 10:41	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR529339 / Repacked was SR526285	TRUE	TRUE	TRUE					
23651	WMAPSWB602	SWB	APPROVED_CERT		3/19/2013 10:42	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR529326 / Repacked was SR529332	TRUE	TRUE	TRUE					
23652	WMAPSWB603	SWB	APPROVED_CERT		3/19/2013 10:43	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR529340 / Repacked was SR529329	TRUE	TRUE	TRUE					
23653	WMAPSWB604	SWB	APPROVED_CERT		3/19/2013 10:43	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR529309 / Repacked was SR529331	TRUE	TRUE	TRUE					
23654	WMAPSWB605	SWB	APPROVED_CERT		3/19/2013 10:44	mccabed	SR-W027-221H-HET	S5440			3/14/2013		3/14/2013				/ Repacked was SR526294 / Repacked was SR526296	TRUE	TRUE	TRUE					
23655	WMAPSWB606	SWB	APPROVED_CERT		4/4/2013 15:45	mccabed	SR-W027-221H-HET	S5440			3/21/2013		3/21/2013				/ Repacked was SR529341 / Repacked was SR526276	TRUE	TRUE	TRUE					
23656	WMAPSWB607	SWB	APPROVED_CERT		4/4/2013 15:45	mccabed	SR-W027-221H-HET	S5440			3/21/2013		3/21/2013				/ Repacked was SR529310 / Repacked was SR526288	TRUE	TRUE	TRUE					
23657	WMAPSWB608	SWB	APPROVED_CERT		4/4/2013 15:46	mccabed	SR-W027-221H-HET	S5440			3/21/2013		3/21/2013				/ Repacked was SR529320 / Repacked was SR526298	TRUE	TRUE	TRUE					
23658	WMAPSWB609	SWB	APPROVED_CERT		4/4/2013 15:47	mccabed	SR-W027-221H-HET	S5440			3/21/2013		3/21/2013				/ Repacked was SR529317 / Repacked was SR529322	TRUE	TRUE	TRUE					
23659	WMAPSWB610	SWB	APPROVED_CERT		4/4/2013 15:47	mccabed	SR-W027-221H-HET	S5440			3/21/2013		3/21/2013				/ Repacked was SR526293 / Repacked was SR529336	TRUE	TRUE	TRUE					
23660	WMAPSWB612	SWB	APPROVED_CERT		4/4/2013 15:48	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529337 / Repacked was SR529319	TRUE	TRUE	TRUE					
23661	WMAPSWB613	SWB	APPROVED_CERT		4/4/2013 15:48	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529324 / Repacked was SR529316	TRUE	TRUE	TRUE					
23662	WMAPSWB614	SWB	APPROVED_CERT		4/4/2013 15:49	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529315 / Repacked was SR529335	TRUE	TRUE	TRUE					
23663	WMAPSWB615	SWB	APPROVED_CERT		4/4/2013 15:49	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529318 / Repacked was SR529325	TRUE	TRUE	TRUE					
23664	WMAPSWB616	SWB	APPROVED_CERT		4/4/2013 15:50	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529314 / Repacked was SR529330	TRUE	TRUE	TRUE					
23665	WMAPSWB617	SWB	APPROVED_CERT		4/4/2013 15:50	mccabed	SR-W027-221H-HET	S5440			4/2/2013		4/2/2013				/ Repacked was SR529313 / Repacked was SR529328	TRUE	TRUE	TRUE					
23666	WMAPSWB618	SWB	APPROVED_CERT		4/4/2013 15:28	mccabed	SR-W027-221H-HET	S5440	None	0	4/2/2013		4/2/2013				- Rpkgd was SR529342	TRUE	TRUE	TRUE			SR529342		Repack
23667	WMAPSWB582A	SWB	APPROVED_CERT		3/11/2013 12:52	mccabed	SR-W027-221H-HET	S5440	None	0	2/8/2013		2/8/2013				- Rpkgd INTO WMAPSWB582 - Rpkgd was SR526287	TRUE	TRUE	TRUE			SR526287		Repack
23668	HBL050027	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	3/16/2005		3/16/2005		9/8/2005			TRUE		TRUE					
23669	HBL050028	SSG	EMPLACED_CNTR	10/14/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400	Remediate	0	3/16/2005	10/20/2006	3/16/2005	10/20/2006	9/8/2005			TRUE		TRUE					
23670	HBL050029	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	3/16/2005		3/16/2005		9/8/2005			TRUE		TRUE					
23671	HBL050032	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	3/16/2005		3/16/2005		9/8/2005			TRUE		TRUE					
23672	HBL050042	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
23673	HBL050043	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
23674	HBL050044	SSG	EMPLACED_CNTR	10/24/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					
23675	HBL050047	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-C	S5400		0	5/25/2005		5/25/2005		11/17/2005			TRUE		TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23676	HBL050068	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	6/23/2005		6/23/2005		12/16/2005			TRUE		TRUE					
23677	HBL050069	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	6/23/2005		6/23/2005		12/16/2005			TRUE		TRUE					
23678	HBL050070	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	6/23/2005		6/23/2005		12/16/2005			TRUE		TRUE					
23679	HBL050072	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	6/23/2005		6/23/2005		12/19/2005			TRUE		TRUE					
23680	HBL050075	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23681	HBL050083	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/13/2005		9/13/2005		3/8/2006			TRUE		TRUE					
23682	HBL050084	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	8/13/2005		8/13/2005		2/5/2006			TRUE		TRUE					
23683	HBL050085	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/13/2005		9/13/2005		3/8/2006			TRUE		TRUE					
23684	HBL050092	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23685	HBL050093	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23686	HBL050095	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23687	HBL050099	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23688	HBL050100	SSG	EMPLACED_CNTR	11/21/2009 10:27	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	9/30/2005		9/30/2005		3/25/2006			TRUE		TRUE					
23689	HBL050101	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23690	HBL050102	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23691	HBL050090	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23692	HBL050103	SSG	EMPLACED_CNTR	10/14/2009 21:52	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23693	HBL050004	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23694	HBL050005	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23695	HBL050006	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/20/2005		10/20/2005		4/14/2006			TRUE		TRUE					
23696	HBL050007	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	12/7/2005		12/7/2005		6/1/2006			TRUE		TRUE					
23697	HBL050008	SSG	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	12/7/2005		12/7/2005		6/1/2006			TRUE		TRUE					
23698	HBL050010	SSG	EMPLACED_CNTR	1/9/2010 13:07	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	12/7/2005		12/7/2005		6/1/2006			TRUE		TRUE					
23699	HBL050013	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	12/7/2005		12/7/2005		6/1/2006			TRUE		TRUE					
23700	HBL050034	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	2/8/2006		2/8/2006		8/3/2006			TRUE		TRUE					
23701	HBL050052	SSG	EMPLACED_CNTR	1/11/2010 19:15	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	3/8/2006		3/8/2006		8/31/2006			TRUE		TRUE					
23702	HBL050075	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	4/21/2006		4/21/2006		10/14/2006			TRUE		TRUE					
23703	HBL050101	SSG	EMPLACED_CNTR	10/24/2010 14:19	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	6/9/2006		6/9/2006		12/3/2006			TRUE		TRUE					
23704	HBL070033	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	12/6/2006		12/6/2006		5/31/2007			TRUE		TRUE					
23705	HBL070045	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	1/18/2007		1/18/2007		7/13/2007			TRUE		TRUE					
23706	HBL070051	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	2/14/2007		2/14/2007		8/9/2007			TRUE		TRUE					
23707	HBL070062	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	3/1/2007		3/1/2007		8/24/2007			TRUE		TRUE					
23708	HBL070125	SSG	EMPLACED_CNTR	11/21/2009 10:26	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	5/29/2007		5/29/2007		11/21/2007			TRUE		TRUE					
23709	HBL070153	SSG	EMPLACED_CNTR	3/2/2011 16:17	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	10/15/2007		10/15/2007		4/8/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
23710	HBL080005	SSG	EMPLACED_CNTR	1/9/2010 10:14	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	1/31/2008		1/31/2008		7/25/2008			TRUE		TRUE					
23711	HBL080015	SSG	EMPLACED_CNTR	1/9/2010 13:11	4/28/2011 6:00	WWIS_Upd	SR-W027-221H-HET-C	55400		0	3/11/2008		3/11/2008		9/3/2008			TRUE		TRUE					
23712	HBL080060	SSG	EMPLACED_CNTR	6/1/2012 10:24	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			11/24/2008		11/24/2008					TRUE	FALSE	TRUE					
23713	HBL080076	SSG	EMPLACED_CNTR	1/7/2012 13:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/12/2009		2/12/2009		7/12/2009			TRUE	TRUE	TRUE					
23714	HBL080077	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/12/2009		2/12/2009		7/12/2009			TRUE	TRUE	TRUE					
23715	HBL080083	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/6/2009		1/6/2009		7/1/2009			TRUE	TRUE	TRUE					
23716	HBL090001	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/12/2009		2/12/2009		7/12/2009			TRUE	TRUE	TRUE					
23717	HBL090004	SSG	EMPLACED_CNTR	1/7/2012 8:51	12/20/2011 10:55	mccabed	SR-W027-221H-HET-C	55400			3/11/2009		3/11/2009		7/11/2009			TRUE	FALSE	TRUE					
23718	HBL090006	SSG	EMPLACED_CNTR	1/7/2012 8:55	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			3/11/2008		3/11/2008		7/11/2009			TRUE	FALSE	TRUE					
23719	HBL090007	SSG	EMPLACED_CNTR	5/24/2012 10:34	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			3/11/2009		3/11/2009		7/11/2009			TRUE	FALSE	TRUE					
23720	HBL090010	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/1/2009		4/1/2009		7/1/2009			TRUE	FALSE	TRUE					
23721	HBL090013	SSG	EMPLACED_CNTR	1/7/2012 8:52	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/1/2009		4/1/2009		7/1/2009			TRUE	FALSE	TRUE					
23722	HBL090014	SSG	EMPLACED_CNTR	6/1/2012 10:24	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23723	HBL090015	SSG	EMPLACED_CNTR	4/24/2012 14:53	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23724	HBL090016	SSG	EMPLACED_CNTR	1/7/2012 8:54	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23725	HBL090017	SSG	EMPLACED_CNTR	1/7/2012 8:55	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23726	HBL090018	SSG	EMPLACED_CNTR	1/16/2013 15:01	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23727	HBL090019	SSG	EMPLACED_CNTR	4/11/2013 15:07	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			4/21/2009		4/21/2009		7/21/2009			TRUE	FALSE	TRUE					
23728	HBL090020	SSG	EMPLACED_CNTR	1/7/2012 8:54	6/10/2011 9:54	mccabed	SR-W027-221H-HET-C	55400			5/26/2009		5/26/2009		7/26/2009			TRUE	FALSE	TRUE					
23729	HBL090022	SSG	EMPLACED_CNTR	5/24/2012 10:35	5/1/2012 19:24	mccabed	SR-W027-221H-HET-C	55400			6/3/2009		6/3/2009			WS reassigned from SR-W027-221H-HOM per SRS-4 DR033 (jschoen email 031212)		TRUE	FALSE	TRUE					
23730	HBL090023	SSG	EMPLACED_CNTR	6/1/2012 10:24	4/10/2012 13:45	mccabed	SR-W027-221H-HET-C	55400			6/3/2009		6/3/2009			Changed containertype per LWatson email 041012		TRUE	FALSE	TRUE					
23731	HBL090024	SSG	EMPLACED_CNTR	1/16/2013 15:01	10/4/2011 12:55	mccabed	SR-W027-221H-HET-C	55400			6/3/2009		6/3/2009			Changed WS per Harrison email 100411		TRUE	FALSE	TRUE	NA				
23732	HBL090025	SSG	EMPLACED_CNTR	1/7/2012 8:51	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/8/2009		7/8/2009					TRUE	FALSE	TRUE					
23733	HBL090028	SSG	EMPLACED_CNTR	1/7/2012 8:55	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/8/2009		7/8/2009					TRUE	FALSE	TRUE					
23734	HBL090029	SSG	EMPLACED_CNTR	3/7/2012 18:26	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/15/2009		7/15/2009					TRUE	FALSE	TRUE					
23735	HBL090030	SSG	EMPLACED_CNTR	6/9/2012 13:10	12/15/2011 9:29	mccabed	SR-W027-221H-HET-C	55400	Remediation		7/15/2009	12/13/2011	7/15/2009	12/13/2011				TRUE	FALSE	TRUE					
23736	HBL090031	SSG	EMPLACED_CNTR	3/7/2012 13:25	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/15/2009		7/15/2009					TRUE	FALSE	TRUE					
23737	HBL090032	SSG	EMPLACED_CNTR	6/9/2012 13:10	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/15/2009		7/15/2009					TRUE	FALSE	TRUE					
23738	HBL090033	SSG	EMPLACED_CNTR	1/7/2012 8:52	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/15/2009		7/15/2009					TRUE	FALSE	TRUE					
23739	HBL090034	SSG	EMPLACED_CNTR	6/9/2012 13:10	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/23/2009		7/23/2009					TRUE	FALSE	TRUE					
23740	HBL090035	SSG	EMPLACED_CNTR	1/7/2012 8:52	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/23/2009		7/23/2009					TRUE	FALSE	TRUE					
23741	HBL090036	SSG	EMPLACED_CNTR	1/7/2012 8:51	6/10/2011 9:56	mccabed	SR-W027-221H-HET-C	55400			7/23/2009		7/23/2009					TRUE	FALSE	TRUE					
23742	HBL090038	SSG	EMPLACED_CNTR	1/7/2012 8:55	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			7/23/2009		7/23/2009					TRUE	FALSE	TRUE					
23743	HBL090040	SSG	EMPLACED_CNTR	1/7/2012 8:54	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
23744	HBL090041	SSG	EMPLACED_CNTR	6/9/2012 13:10	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
23745	HBL090042	SSG	EMPLACED_CNTR	1/7/2012 8:54	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
23746	HBL090043	SSG	EMPLACED_CNTR	6/9/2012 10:08	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
23747	HBL090044	SSG	EMPLACED_CNTR	1/7/2012 8:55	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
23748	HBL090045	SSG	EMPLACED_CNTR	6/9/2012 13:10	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			9/2/2009		9/2/2009					TRUE	FALSE	TRUE					
23749	HBL090046	SSG	EMPLACED_CNTR	6/1/2012 10:24	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			9/2/2009		9/2/2009					TRUE	FALSE	TRUE					
23750	HBL090047	SSG	EMPLACED_CNTR	11/15/2012 12:46	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			9/2/2009		9/2/2009					TRUE	FALSE	TRUE					
23751	HBL090048	SSG	EMPLACED_CNTR	1/7/2012 8:51	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			9/2/2009		9/2/2009					TRUE	FALSE	TRUE					
23752	HBL090049	SSG	EMPLACED_CNTR	1/7/2012 8:52	6/10/2011 9:53	mccabed	SR-W027-221H-HET-C	55400			9/2/2009		9/2/2009					TRUE	FALSE	TRUE					
23753	HBL090256	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					
23754	HBL100001	SSG	EMPLACED_CNTR	3/7/2012 13:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			10/1/2009		10/1/2009					TRUE	TRUE	TRUE					
23755	HBL100002	SSG	EMPLACED_CNTR	3/7/2012 13:26	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			10/1/2009		10/1/2009					TRUE	TRUE	TRUE					
23756	HBL100003	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			10/1/2009		10/1/2009					TRUE	TRUE	TRUE					
23757	HBL100004	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			10/1/2009		10/1/2009					TRUE	TRUE	TRUE					
23758	HBL100005	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			10/8/2009		10/8/2009					TRUE	TRUE	TRUE					
23759	HBL100006	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/12/2009		11/12/2009					TRUE	TRUE	TRUE					
23760	HBL100009	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					
23761	HBL100010	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23762	HBL100011	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/21/2010		7/21/2010					TRUE	TRUE	TRUE					
23763	HBL100013	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23764	HBL100014	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					
23765	HBL100015	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					
23766	HBL100017	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23767	HBL100018	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23768	HBL100019	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23769	HBL100020	SSG	EMPLACED_CNTR	5/24/2012 10:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23770	HBL100022	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23771	HBL100023	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			12/30/2009		12/30/2009					TRUE	TRUE	TRUE					
23772	HBL100024	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23773	HBL100025	SSG	EMPLACED_CNTR	5/24/2012 10:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23774	HBL100026	SSG	EMPLACED_CNTR	4/11/2013 15:07	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23775	HBL100027	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23776	HBL100028	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23777	HBL100029	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23778	HBL100030	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			1/21/2010		1/21/2010					TRUE	TRUE	TRUE					
23779	HBL100031	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/30/2010		6/30/2010					TRUE	TRUE	TRUE					
23780	HBL100032	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/22/2010		2/22/2010					TRUE	TRUE	TRUE					
23781	HBL100033	SSG	EMPLACED_CNTR	11/14/2012 14:36	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/22/2010		2/22/2010					TRUE	TRUE	TRUE					
23782	HBL100034	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23783	HBL100035	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/22/2010		2/22/2010					TRUE	TRUE	TRUE					
23784	HBL100036	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/22/2010		2/22/2010					TRUE	TRUE	TRUE					
23785	HBL100037	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			2/22/2010		2/22/2010					TRUE	TRUE	TRUE					
23786	HBL100038	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			3/17/2010		3/17/2010					TRUE	TRUE	TRUE					
23787	HBL100039	SSG	EMPLACED_CNTR	3/4/2012 10:53	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			3/17/2010		3/17/2010					TRUE	TRUE	TRUE					
23788	HBL100040	SSG	EMPLACED_CNTR	3/4/2012 10:53	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			3/17/2010		3/17/2010					TRUE	TRUE	TRUE					
23789	HBL100041	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			3/17/2010		3/17/2010					TRUE	TRUE	TRUE					
23790	HBL100043	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/7/2010		4/7/2010					TRUE	TRUE	TRUE					
23791	HBL100044	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/7/2010		4/7/2010					TRUE	TRUE	TRUE					
23792	HBL100045	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/7/2010		4/7/2010					TRUE	TRUE	TRUE					
23793	HBL100046	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/28/2010		4/28/2010					TRUE	TRUE	TRUE					
23794	HBL100047	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/28/2010		4/28/2010					TRUE	TRUE	TRUE					
23795	HBL100049	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/28/2010		4/28/2010					TRUE	TRUE	TRUE					
23796	HBL100050	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/28/2010		4/28/2010					TRUE	TRUE	TRUE					
23797	HBL100051	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			4/28/2010		4/28/2010					TRUE	TRUE	TRUE					
23798	HBL100053	SSG	EMPLACED_CNTR	11/14/2012 14:37	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			5/12/2010		5/12/2010					TRUE	TRUE	TRUE					
23799	HBL100054	SSG	EMPLACED_CNTR	6/1/2012 10:24	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			5/12/2010		5/12/2010					TRUE	TRUE	TRUE					
23800	HBL100055	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/15/2010		6/15/2010					TRUE	TRUE	TRUE					
23801	HBL100056	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/4/2012 7:59	mccabed	SR-W027-221H-HET-C	55400			4/15/2010		6/15/2010					TRUE	FALSE	TRUE					
23802	HBL100057	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/15/2010		6/15/2010					TRUE	TRUE	TRUE					
23803	HBL100058	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/15/2010		6/15/2010					TRUE	TRUE	TRUE					
23804	HBL100059	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/17/2010		6/17/2010					TRUE	TRUE	TRUE					
23805	HBL100060	SSG	EMPLACED_CNTR	3/3/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/15/2010		6/15/2010					TRUE	TRUE	TRUE					
23806	HBL100061	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/15/2010		6/15/2010					TRUE	TRUE	TRUE					
23807	HBL100062	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/17/2010		6/17/2010					TRUE	TRUE	TRUE					
23808	HBL100063	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/17/2010		6/17/2010					TRUE	TRUE	TRUE					
23809	HBL100064	SSG	EMPLACED_CNTR	6/8/2012 10:08	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/17/2010		6/17/2010					TRUE	TRUE	TRUE					
23810	HBL100065	SSG	EMPLACED_CNTR	3/4/2012 10:51	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/30/2010		6/30/2010					TRUE	TRUE	TRUE					
23811	HBL100066	SSG	EMPLACED_CNTR	3/4/2012 10:51	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/30/2010		6/30/2010					TRUE	TRUE	TRUE					
23812	HBL100067	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/30/2010		6/30/2010					TRUE	TRUE	TRUE					
23813	HBL100068	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			6/30/2010		6/30/2010					TRUE	TRUE	TRUE					
23814	HBL100069	SSG	EMPLACED_CNTR	3/4/2012 10:53	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/14/2010		7/14/2010					TRUE	TRUE	TRUE					
23815	HBL100070	SSG	EMPLACED_CNTR	3/4/2012 10:51	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/14/2010		7/14/2010					TRUE	TRUE	TRUE					
23816	HBL100071	SSG	EMPLACED_CNTR	3/4/2012 10:51	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/13/2010		7/13/2010					TRUE	TRUE	TRUE					
23817	HBL100072	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/13/2010		7/13/2010					TRUE	TRUE	TRUE					
23818	HBL100073	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/21/2010		7/21/2010					TRUE	TRUE	TRUE					
23819	HBL100074	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/21/2010		7/21/2010					TRUE	TRUE	TRUE					
23820	HBL100075	SSG	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			7/21/2010		7/21/2010					TRUE	TRUE	TRUE					
23821	HBL100076	SSG	EMPLACED_CNTR	3/31/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23822	HBL100077	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23823	HBL100078	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23824	HBL100079	SSG	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23825	HBL100080	SSG	EMPLACED_CNTR	5/30/2012 8:58	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23826	HBL100081	SSG	EMPLACED_CNTR	6/8/2012 10:08	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23827	HBL100082	SSG	EMPLACED_CNTR	3/31/2012 15:25	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23828	HBL100083	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23829	HBL100084	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23830	HBL100085	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23831	HBL100086	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			8/24/2010		8/24/2010					TRUE	TRUE	TRUE					
23832	HBL100087	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23833	HBL100088	SSG	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23834	HBL100089	SSG	EMPLACED_CNTR	7/30/2012 10:04	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23835	HBL100090	SSG	EMPLACED_CNTR	4/30/2012 15:09	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23836	HBL100091	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			9/2/2010		9/2/2010					TRUE	TRUE	TRUE					
23837	HBL100093	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23838	HBL100094	SSG	EMPLACED_CNTR	7/7/2012 14:34	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23839	HBL100095	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23840	HBL100096	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23841	HBL100097	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23842	HBL100098	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23843	HBL100099	SSG	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/3/2010		11/3/2010					TRUE	TRUE	TRUE					
23844	HBL100100	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/4/2010		11/4/2010					TRUE	TRUE	TRUE					
23845	HBL100101	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/4/2010		11/4/2010					TRUE	TRUE	TRUE					
23846	HBL100102	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/4/2010		11/4/2010					TRUE	TRUE	TRUE					
23847	HBL100103	SSG	EMPLACED_CNTR	6/8/2012 13:10	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/4/2010		11/4/2010					TRUE	TRUE	TRUE					
23848	HBL100104	SSG	EMPLACED_CNTR	6/8/2012 13:10	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/16/2010		11/16/2010					TRUE	TRUE	TRUE					
23849	HBL100105	SSG	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-W027-221H-HET-C	55400			11/4/2010		11/4/2010												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23826	HBL100106	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23851	HBL100107	55G	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23852	HBL100108	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23853	HBL100109	55G	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23854	HBL100110	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23855	HBL100111	55G	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/16/2010		11/16/2010					TRUE	TRUE	TRUE					
23856	HBL100112	55G	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23857	HBL100113	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/17/2010		11/17/2010					TRUE	TRUE	TRUE					
23858	HBL100114	55G	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23859	HBL100115	55G	EMPLACED_CNTR	3/21/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23860	HBL100116	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23861	HBL100117	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23862	HBL100118	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23863	HBL100119	55G	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23864	HBL100120	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			12/15/2010		12/15/2010					TRUE	TRUE	TRUE					
23865	HBL100121	55G	EMPLACED_CNTR	3/21/2012 16:04	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/24/2011		1/24/2011					TRUE	TRUE	TRUE					
23866	HBL100122	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/24/2011		1/24/2011					TRUE	TRUE	TRUE					
23867	HBL100001	55G	EMPLACED_CNTR	4/10/2012 15:09	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23868	HBL100002	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23869	HBL100003	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23870	HBL100004	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23871	HBL100005	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23872	HBL100006	55G	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/1/2011		2/1/2011					TRUE	TRUE	TRUE					
23873	HBL100007	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/1/2011		2/1/2011					TRUE	TRUE	TRUE					
23874	HBL100008	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			2/10/2011		2/10/2011					TRUE	TRUE	TRUE					
23875	HBL100009	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23876	HBL100010	55G	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23877	HBL100011	55G	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23878	HBL100012	55G	EMPLACED_CNTR	5/24/2012 10:35	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23879	HBL100013	55G	EMPLACED_CNTR	9/27/2012 10:33	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23880	HBL100014	55G	EMPLACED_CNTR	3/31/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/7/2011		3/7/2011					TRUE	TRUE	TRUE					
23881	HBL100015	55G	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/31/2011		3/31/2011					TRUE	TRUE	TRUE					
23882	HBL100016	55G	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/31/2011		3/31/2011					TRUE	FALSE	FALSE					
23883	HBL100017	55G	EMPLACED_CNTR	7/7/2012 14:34	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			4/18/2011		4/18/2011					TRUE	TRUE	TRUE					
23884	HBL100018	55G	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/28/2011		3/28/2011					TRUE	TRUE	TRUE					
23885	HBL100019	55G	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/31/2011		3/31/2011					TRUE	TRUE	TRUE					
23886	HBL100020	55G	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			4/18/2011		4/18/2011					TRUE	TRUE	TRUE					
23887	HBL110021	55G	APPROVED_CERT		9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			3/28/2011		3/28/2011					TRUE	FALSE	TRUE					
23888	HBL110022	55G	EMPLACED_CNTR	3/31/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	TRUE	TRUE					
23889	HBL110023	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	TRUE	TRUE					
23890	HBL110025	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	TRUE	TRUE					
23891	HBL110026	55G	EMPLACED_CNTR	4/11/2012 15:02	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	TRUE	TRUE					
23892	HBL110027	55G	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	TRUE	TRUE					
23893	HBL110028	55G	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	FALSE	FALSE					
23894	HBL110029	55G	EMPLACED_CNTR	7/10/2012 10:04	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			8/8/2011		8/8/2011					TRUE	TRUE	TRUE					
23895	HBL110030	55G	EMPLACED_CNTR	3/28/2012 15:44	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	TRUE	TRUE					
23896	HBL110031	55G	EMPLACED_CNTR	6/9/2012 13:10	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	FALSE	FALSE					
23897	HBL110039	55G	EMPLACED_CNTR	7/10/2012 10:04	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23898	HBL110040	55G	EMPLACED_CNTR	7/10/2012 10:04	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23899	HBL110041	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23900	HBL110042	55G	EMPLACED_CNTR	6/9/2012 10:08	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23901	HBL110044	55G	EMPLACED_CNTR	9/27/2012 10:33	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23902	HBL110045	55G	EMPLACED_CNTR	6/9/2012 10:08	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23903	HBL110046	55G	EMPLACED_CNTR	6/9/2012 10:09	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			8/8/2011		8/8/2011					TRUE	FALSE	FALSE					
23904	HBL110047	55G	EMPLACED_CNTR	6/9/2012 10:08	4/18/2012 14:12	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	FALSE					
23905	HBL110048	55G	EMPLACED_CNTR	11/15/2012 14:02	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			8/8/2011		8/8/2011					TRUE	FALSE	TRUE					
23906	HBL110049	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	TRUE					
23907	HBL110052	55G	EMPLACED_CNTR	3/29/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	TRUE	TRUE					
23908	HBL110053	55G	EMPLACED_CNTR	6/9/2012 10:58	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	TRUE	TRUE					
23909	HBL110054	55G	EMPLACED_CNTR	3/31/2012 15:25	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	TRUE	TRUE					
23910	HBL110056	55G	EMPLACED_CNTR	7/10/2012 10:05	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2011		7/18/2011					TRUE	TRUE	TRUE					
23911	HBL110057	55G	EMPLACED_CNTR	11/15/2012 12:47	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	TRUE					
23912	HBL110058	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	TRUE					
23913	HBL110059	55G	EMPLACED_CNTR	3/30/2012 15:17	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			8/8/2011		8/8/2011					TRUE	TRUE	TRUE					
23914	HBL110060	55G	EMPLACED_CNTR	4/4/2012 15:23	12/14/2011 18:35	mccabed	SR-WQ27-22 1H-HET-C	S5400			8/8/2011		8/8/2011					TRUE	FALSE	TRUE					
23915	HBL110096	55G	EMPLACED_CNTR	11/16/2012 10:11	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/29/2011		10/29/2011					TRUE	FALSE	TRUE					
23916	HBL110098	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23917	HBL110100	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23918	HBL110101	55G	EMPLACED_CNTR	1/16/2013 15:01	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	TRUE					
23919	HBL110102	55G	EMPLACED_CNTR	11/15/2012 12:47	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23920	HBL110103	55G	EMPLACED_CNTR	12/7/2012 12:31	9/16/2012 17:20	mccabed	SR-WQ27-22 1H-HET-C	S5400			10/29/2011		10/29/2011					TRUE	FALSE	TRUE					
23921	HBL110107	55G	EMPLACED_CNTR	11/16/2012 10:11	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/4/2012		1/4/2012					TRUE	FALSE	TRUE					
23922	HBL110108	55G	EMPLACED_CNTR	11/16/2012 10:11	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/4/2012		1/4/2012					TRUE	FALSE	TRUE					
23923	HBL110109	55G	EMPLACED_CNTR	11/15/2012 12:47	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/4/2012		1/4/2012					TRUE	FALSE	TRUE					
23924	HBL120001	55G	EMPLACED_CNTR	11/16/2012 10:11	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23925	HBL120002	55G	EMPLACED_CNTR	11/15/2012 12:47	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23926	HBL120003	55G	EMPLACED_CNTR	11/16/2012 10:11	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23927	HBL120004	55G	APPROVED_CERT		9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23928	HBL120005	55G	APPROVED_CERT		2/6/2013 12:02	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2012		7/18/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23929	HBL120151	55G	EMPLACED_CNTR	11/15/2012 14:02	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23930	HBL120152	55G	EMPLACED_CNTR	11/15/2012 12:47	9/4/2012 7:59	mccabed	SR-WQ27-22 1H-HET-C	S5400			5/2/2012		5/2/2012					TRUE	FALSE	TRUE					
23931	HBL120153	55G	APPROVED_CERT		2/6/2013 12:02	mccabed	SR-WQ27-22 1H-HET-C	S5400			7/18/2012		7/18/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23932	HBL120388	55G	APPROVED_CERT		2/6/2013 12:02	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/14/2012		11/14/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23933	HBL120390	55G	APPROVED_CERT		2/6/2013 12:08	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/27/2012		11/27/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23934	HBL120456	55G	APPROVED_CERT		2/6/2013 12:09	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/14/2012		11/14/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23935	HBL120560	55G	APPROVED_CERT		2/6/2013 12:10	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/14/2012		11/14/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23936	HBL120562	55G	APPROVED_CERT		2/6/2013 12:10	mccabed	SR-WQ27-22 1H-HET-C	S5400			11/14/2012		11/14/2012			Added per SAuckland 020613		TRUE	FALSE	TRUE	NA				
23937	HBL120565	55G	APPROVED_CERT		5/7/2013 15:10	mccabed	SR-WQ27-22 1H-HET-C	S5400			1/16/2013		1/16/2013			Added per SAuckland 050713		TRUE	FALSE	TRUE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
23938	HBL120566	55G	APPROVED_CERT		5/7/2013 15:11	mccabed	SR-W027-221H-HET-C	S5400			1/16/2013		1/16/2013			Added per SAuckland 050713.		TRUE	FALSE	TRUE	NA				
23939	HBL120567	55G	APPROVED_CERT		5/7/2013 15:12	mccabed	SR-W027-221H-HET-C	S5400			1/16/2013		1/16/2013			Added per SAuckland 050713.		TRUE	FALSE	TRUE	NA				
23940	HBL130003	55G			7/24/2013 7:21	mccabed	SR-W027-221H-HET-C	S5400			3/25/2013		3/25/2013			Added per DAms 072413.		TRUE	FALSE	TRUE	NA				
23941	HBL130004	55G	APPROVED_CERT		6/22/2013 14:13	mccabed	SR-W027-221H-HET-C	S5400			3/25/2013		3/25/2013			Added per ADickerson 062213.		TRUE	FALSE	TRUE	NA				
23942	HBL130005	55G	APPROVED_CERT		6/22/2013 14:13	mccabed	SR-W027-221H-HET-C	S5400			3/25/2013		3/25/2013			Added per ADickerson 062213.		FALSE	FALSE	FALSE	NA				
23943	HBL130006	55G	APPROVED_CERT		6/22/2013 14:14	mccabed	SR-W027-221H-HET-C	S5400			4/23/2013		4/23/2013			Added per ADickerson 062213.		TRUE	FALSE	TRUE	NA				
23944	HBL130007	55G	APPROVED_CERT		6/22/2013 14:15	mccabed	SR-W027-221H-HET-C	S5400			5/20/2013		5/20/2013			Added per ADickerson 062213.		TRUE	FALSE	TRUE	NA				
23945	HBL130009	55G	APPROVED_CERT		6/22/2013 14:17	mccabed	SR-W027-221H-HET-C	S5400			5/20/2013		5/20/2013			Added per ADickerson 062213.		TRUE	FALSE	TRUE	NA				
23946	HBL130011	55G			7/24/2013 7:24	mccabed	SR-W027-221H-HET-C	S5400			4/23/2013		4/23/2013			Added per DAms 072413.		TRUE	FALSE	TRUE	NA				
23947	HBL130012	55G			7/24/2013 7:25	mccabed	SR-W027-221H-HET-C	S5400			4/23/2013		4/23/2013			Added per DAms 072413.		TRUE	FALSE	TRUE	NA				
23948	HBL130017	55G	APPROVED_CERT		6/22/2013 14:17	mccabed	SR-W027-221H-HET-C	S5400			5/20/2013		5/20/2013			Added per ADickerson 062213.		TRUE	FALSE	TRUE	NA				
23949	HBL110024	55G	EMPLACED_CNTR	8/1/2012 11:14	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			5/5/2011		5/5/2011					TRUE	FALSE	TRUE					
23950	HBL110032	55G	EMPLACED_CNTR	8/1/2012 11:15	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			6/9/2011		6/9/2011					TRUE	FALSE	TRUE					
23951	HBL110034	55G	EMPLACED_CNTR	4/26/2013 14:53	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			6/9/2011		6/9/2011					TRUE	FALSE	TRUE					
23952	HBL110035	55G	EMPLACED_CNTR	8/1/2012 11:15	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			6/9/2011		6/9/2011					TRUE	FALSE	TRUE					
23953	HBL110036	55G	EMPLACED_CNTR	8/1/2012 11:15	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			6/9/2011		6/9/2011					TRUE	FALSE	TRUE					
23954	HBL110038	55G	EMPLACED_CNTR	4/26/2013 14:53	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			6/9/2011		6/9/2011					TRUE	FALSE	TRUE					
23955	HBL110043	55G	EMPLACED_CNTR	1/16/2013 15:01	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			10/31/2011		10/31/2011					TRUE	FALSE	TRUE					
23956	HBL110061	55G	EMPLACED_CNTR	1/16/2013 15:01	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23957	HBL110062	55G	EMPLACED_CNTR	8/1/2012 11:14	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23958	HBL110097	55G	EMPLACED_CNTR	8/1/2012 11:14	5/16/2012 7:55	mccabed	SR-W027-221H-HET-C	S5400			10/20/2011		10/20/2011					TRUE	FALSE	TRUE					
23959	HBL040001	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	9/26/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23960	HBL040002	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23961	HBL040003	55G	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23962	HBL040004	55G	EMPLACED_CNTR	8/18/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23963	HBL040005	55G	EMPLACED_CNTR	10/24/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23964	HBL040006	55G	EMPLACED_CNTR	10/24/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23965	HBL040007	55G	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23966	HBL040008	55G	EMPLACED_CNTR	10/24/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/20/2004		9/12/2004			TRUE		TRUE					
23967	HBL040009	55G	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23968	HBL040010	55G	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23969	HBL040020	55G	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23970	HBL040021	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23971	HBL040022	55G	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23972	HBL040023	55G	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23973	HBL040024	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		4/9/2004		10/1/2004			TRUE		TRUE					
23974	HBL040025	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23975	HBL040026	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23976	HBL040027	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23977	HBL040028	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23978	HBL040029	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23979	HBL040030	55G	EMPLACED_CNTR	8/21/2010 10:08	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/6/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23980	HBL040031	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/9/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23981	HBL040054	55G	EMPLACED_CNTR	8/26/2010 19:53	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		4/8/2004		10/1/2004			TRUE		TRUE					
23982	HBL040056	55G	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23983	HBL040057	55G	EMPLACED_CNTR	8/21/2010 10:07	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23984	HBL040058	55G	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		4/8/2004		10/1/2004			TRUE		TRUE					
23985	HBL040059	55G	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		4/8/2004		10/1/2004			TRUE		TRUE					
23986	HBL040060	55G	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23987	HBL040061	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23988	HBL040062	55G	EMPLACED_CNTR	1/10/2010 12:57	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23989	HBL040063	55G	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23990	HBL040064	55G	EMPLACED_CNTR	8/18/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/23/2003		3/21/2004		9/13/2004			TRUE		TRUE					
23991	HBL040065	55G	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/29/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23992	HBL040066	55G	EMPLACED_CNTR	1/14/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/29/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23993	HBL040067	55G	EMPLACED_CNTR	8/28/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/29/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23994	HBL040068	55G	EMPLACED_CNTR	1/14/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W027-221H-HET-D	S5400		0	10/29/2003		3/22/2004		9/14/2004			TRUE		TRUE					
23995	HBL040089	55G			1/3/2013 10:09	mccabed	SR-W027-221H-HOM	S3110	Remediate	1	11/18/2003	4/24/2007	11/18/2003	4/24/2007		EXCLUDE per NCR-SRS-0333-07; Un-excluded per JSchoen email 121411; Exclude less than 100 nCi/g per CSouterns email 103012; Un-exclude per BSchrock email 120612.		TRUE	TRUE	TRUE					
23996	HBL040091	55G	APPROVED_SHIP		5/1/2012 19:22	mccabed	SR-W027-221H-HOM	S3110	Remediate	1	11/18/2003	10/5/2006	11/18/2003	10/5/2006		NCR-SRS-0185-06, Null waste stream is correct. This drum was determined to be S3000 waste, and we have not yet put it into an S3000 waste stream. updated per j.harrison/j.rovaneak 3/26/07; WS added per JSchoen email 062211.		TRUE	FALSE	TRUE					
23997	HBL060079	55G	EMPLACED_CNTR	4/23/2013 8:01	8/29/2011 9:34	mccabed	SR-W027-221H-HOM	S3110	Remediation	1	6/26/2006	12/3/2009		12/3/2009		EXCLUDE per NCR-SRS-0404-10 Waste is not a S5000 Summary Category group; changed WS per JSchoen email 082611.		TRUE	TRUE	TRUE					
23998	HBL060080	55G	APPROVED_CERT		5/1/2012 19:22	mccabed	SR-W027-221H-HOM	S3110			4/1/2004		4/1/2004					TRUE	FALSE	TRUE					
23999	HBL060107	55G	APPROVED_CERT		5/1/2012 19:23	mccabed	SR-W027-221H-HOM	S3110			6/16/2006		6/16/2006					TRUE	FALSE	TRUE					
24000	HBL060110	55G	APPROVED_SHIP		6/10/2011 9:53	mccabed	SR-W027-221H-HOM	S3110			6/16/2006		6/16/2006					TRUE	FALSE	TRUE					
24001	HBL080047	55G	APPROVED_CERT		8/29/2011 9:35	mccabed	SR-W027-221H-HOM	S3110	Remediate	0	9/9/2008	12/15/2009	9/9/2008	12/15/2009		EXCLUDE per NCR-SRS-0405-10 Waste is not a S5000 summary category group; Changed WS per JSchoen email 082611.		TRUE	TRUE	TRUE					
24002	HBL090021	55G	EMPLACED_CNTR	4/26/2013 14:53	6/10/2011 9:53	mccabed	SR-W027-221H-HOM	S3110			5/26/2009		5/26/2009					TRUE	FALSE	TRUE					
24003	HBL090026	55G	APPROVED_SHIP		5/1/2012 19:25	mccabed	SR-W027-221H-HOM	S3110			7/8/2009		7/8/2009					TRUE	FALSE	TRUE					
24004	HBL090027	55G	EMPLACED_CNTR	4/11/2013 15:07	6/10/2011 9:53	mccabed	SR-W027-221H-HOM	S3110			7/8/2009		7/8/2009					TRUE	FALSE	TRUE					
24005	HBL090037	55G	APPROVED_SHIP		5/1/2012 19:25	mccabed	SR-W027-221H-HOM	S3110			7/23/2009		7/23/2009					TRUE	FALSE	TRUE					
24006	HBL090039	55G	EMPLACED_CNTR	4/11/2013 15:07	6/10/2011 9:53	mccabed	SR-W027-221H-HOM	S3110			8/11/2009		8/11/2009					TRUE	FALSE	TRUE					
24007	HBL110055	55G			12/10/2012 7:34	mccabed	SR-W027-221H-HOM	S3110			7/18/2011		7/18/2011			Changed WS from SR-W027-221H-HET-C per LWatson email 120612.		TRUE	TRUE	TRUE					
24008	SR503072WA	55G			6/22/2011 16:08	mccabed	SR-W027-221H-HOM	S3110		0	7/22/2008		7/22/2008			NCR-SRS-0809-08, C.Simmons 11/6/08 LAR - the drums are > 50% absorbent; WS changed per JSchoen email 062211.		TRUE	TRUE	TRUE					
24009	235F02002	SWB	EMPLACED_CNTR	4/21/2011 18:56	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HEPA	S5410		0	3/12/2003		3/12/2003		9/4/2003			TRUE	TRUE	TRUE					
24010	235F02003	SWB	EMPLACED_CNTR	4/21/2011 18:40	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HEPA	S5410	Remediate	0	3/12/2003	6/7/2010	3/12/2003	6/7/2010	9/4/2003	Vent stainless steel box.		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24011	235F02004	SWB	EMPLACED_CNTR	4/21/2011 18:20	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	3/12/2003		8/12/2003		9/4/2003			TRUE	TRUE	TRUE					
24012	235F02005	SWB	EMPLACED_CNTR	11/8/2010 22:16	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410	Filter Vent	0	3/12/2003	5/3/2010	3/12/2003	10/21/2010	9/4/2003										
24013	235F02006	SWB	EMPLACED_CNTR	7/31/2012 12:55	3/31/2012 18:17	mccabed	SR-W027-235F-HEPA	S5410		0	3/13/2003	1/26/2012	3/13/2003	1/26/2012		- Rpkgd into 235F02006A		TRUE	TRUE	TRUE					
24014	235F02007	SWB	EMPLACED_CNTR	9/12/2010 14:01	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410	Remediate	0	3/13/2003	5/4/2010	3/13/2003	5/4/2010	9/5/2003										
24015	235F02009	SWB	EMPLACED_CNTR	4/21/2011 18:56	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410	Remediate	0	4/15/2003	6/8/2010	4/15/2003	6/8/2010	10/8/2003			TRUE	TRUE	TRUE					
24016	235F02010	SWB	EMPLACED_CNTR	4/21/2011 18:20	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410	Remediate	0	3/17/2003	5/5/2010	3/17/2003	5/5/2010	9/9/2003			TRUE	TRUE	TRUE					
24017	235F02011	SWB	EMPLACED_CNTR	9/15/2010 19:07	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410	Remediate	0	3/17/2003	5/6/2010	3/17/2003	5/6/2010	9/9/2003										
24018	235F02012	SWB	EMPLACED_CNTR	1/4/2012 13:21	9/6/2011 16:33	mccabed	SR-W027-235F-HEPA	S5410	Remediation	0	4/15/2003	9/1/2011	4/15/2003	9/1/2011		- Rpkgd into 235F02012A		TRUE	TRUE	TRUE					
24019	235F02012A	SSG			4/3/2012 17:06	mccabed	SR-W027-235F-HEPA	S5410	None	0	9/1/2011	3/26/2012	9/1/2011	3/26/2012		- Rpkgd was 235F02012		TRUE	TRUE	TRUE			235F02012		Daughter
24020	235F02013A	SSG	APPROVED_CERT		4/10/2012 18:47	mccabed	SR-W027-235F-HEPA	S5410	None	0	9/6/2011	3/27/2012	9/6/2011	3/27/2012		- Rpkgd was 235F02013	Tru Drum Repacking 221-F-55006	TRUE	TRUE	TRUE			235F02013		Daughter
24021	FC100029	SWB	APPROVED_CERT		5/6/2012 10:51	mccabed	SR-W027-235F-HEPA	S5410			3/1/2011		3/1/2011					TRUE	FALSE	TRUE					
24022	FC100030	SWB	APPROVED_CERT		5/6/2012 10:51	mccabed	SR-W027-235F-HEPA	S5410			3/1/2011		3/1/2011					TRUE	FALSE	TRUE					
24023	SR513008	Poly Box			1/5/2012 19:15	mccabed	SR-W027-235F-HEPA	S5410	Vent		9/20/1979		9/20/1979	1/4/2012				TRUE	FALSE	TRUE	NA				
24024	SWB0037	SWB	EMPLACED_CNTR	9/22/2010 18:50	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/3/2006		11/3/2006		4/28/2007										
24025	SWB0078	SWB	EMPLACED_CNTR	4/18/2010 11:01	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	12/6/2006		12/6/2006		5/31/2007										
24026	WMAPSWB038	SWB	EMPLACED_CNTR	3/31/2010 21:24	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/5/2008		11/5/2008		4/30/2009										
24027	WMAPSWB039	SWB	EMPLACED_CNTR	4/19/2010 21:32	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/5/2008		11/5/2008		4/30/2009										
24028	WMAPSWB040	SWB	EMPLACED_CNTR	5/30/2010 21:47	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/5/2008		11/5/2008		4/30/2009										
24029	WMAPSWB041	SWB	EMPLACED_CNTR	4/19/2010 13:32	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/6/2008		11/6/2008		5/1/2009										
24030	WMAPSWB045	SWB	EMPLACED_CNTR	3/27/2010 9:47	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/11/2008		11/11/2008		5/6/2009										
24031	WMAPSWB046	SWB	EMPLACED_CNTR	3/31/2010 21:56	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/11/2008		11/11/2008		5/6/2009										
24032	WMAPSWB047	SWB	EMPLACED_CNTR	4/12/2010 18:41	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/12/2008		11/12/2008		5/7/2009										
24033	WMAPSWB048	SWB	EMPLACED_CNTR	4/15/2010 22:27	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/12/2008		11/12/2008		5/7/2009										
24034	WMAPSWB049	SWB	EMPLACED_CNTR	3/30/2010 23:26	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/18/2008		11/18/2008		5/13/2009										
24035	WMAPSWB050	SWB	EMPLACED_CNTR	3/30/2010 21:46	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	11/18/2008		11/18/2008		5/13/2009										
24036	WMAPSWB082	SWB	EMPLACED_CNTR	4/19/2010 21:36	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	2/5/2009		2/5/2009		7/31/2009										
24037	WMAPSWB083	SWB	EMPLACED_CNTR	4/20/2010 22:51	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	2/5/2009		2/5/2009		7/31/2009										
24038	WMAPSWB129	SWB	EMPLACED_CNTR	3/31/2010 21:27	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	2/26/2009		2/26/2009		8/13/2009										
24039	WMAPSWB133	SWB	EMPLACED_CNTR	4/12/2010 22:23	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	2/26/2009		2/26/2009		8/13/2009										
24040	WMAPSWB157	SWB	EMPLACED_CNTR	4/8/2010 20:10	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24041	WMAPSWB158	SWB	EMPLACED_CNTR	3/31/2010 19:36	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24042	WMAPSWB160	SWB	EMPLACED_CNTR	4/8/2010 20:36	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24043	WMAPSWB161	SWB	EMPLACED_CNTR	3/30/2010 18:25	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24044	WMAPSWB182	SWB	EMPLACED_CNTR	3/31/2010 21:28	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24045	WMAPSWB163	SWB	EMPLACED_CNTR	3/31/2010 21:55	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/9/2009		4/9/2009		10/2/2009										
24046	WMAPSWB164	SWB	EMPLACED_CNTR	3/31/2010 19:38	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009										
24047	WMAPSWB166	SWB	EMPLACED_CNTR	3/30/2010 18:25	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/15/2009		4/15/2009		10/8/2009										
24048	WMAPSWB170	SWB	EMPLACED_CNTR	1/4/2012 13:21	9/19/2011 16:26	mccabed	SR-W027-235F-HEPA	S5410	Remediation	0	4/15/2009	9/7/2011	4/15/2009	9/7/2011				TRUE	TRUE	TRUE					
24049	WMAPSWB174	SWB	EMPLACED_CNTR	3/31/2010 21:24	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/16/2009		4/16/2009		10/9/2009										
24050	WMAPSWB175	SWB	EMPLACED_CNTR	3/27/2010 9:48	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/16/2009		4/16/2009		10/9/2009										
24051	WMAPSWB182	SWB	EMPLACED_CNTR	9/15/2010 18:55	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	4/21/2009		4/21/2009		10/14/2009										
24052	WMAPSWB283	SWB	EMPLACED_CNTR	9/15/2010 18:43	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	6/2/2009		6/2/2009		11/25/2009										
24053	WMAPSWB284	SWB	EMPLACED_CNTR	9/15/2010 18:55	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HEPA	S5410		0	6/2/2009		6/2/2009		11/25/2009										
24054	WMAPSWB440	SWB	APPROVED_CERT		1/5/2012 18:52	mccabed	SR-W027-235F-HEPA	S5410	None		12/30/1963	1/3/2012		1/3/2012		Overpacked--inner container is SR520750.	- Rpkgd was SR520750	TRUE	FALSE	TRUE	NA		SR520750		Repack
24055	WMAPSWB445	SWB	EMPLACED_CNTR	1/5/2013 10:54	1/5/2012 18:53	mccabed	SR-W027-235F-HEPA	S5410	None		12/30/1963	1/3/2012		1/3/2012		Overpacked--inner container is SR520752.	- Rpkgd was SR520752	TRUE	FALSE	TRUE	NA		SR520752		Repack
24056	WMAPSWB446	SWB	EMPLACED_CNTR	8/3/2012 12:56	1/5/2012 18:54	mccabed	SR-W027-235F-HEPA	S5410	None		12/30/1963	1/3/2012		1/3/2012		Overpacked--inner container is SR520754.	- Rpkgd was SR520754	TRUE	FALSE	TRUE	NA		SR520754		Repack
24057	WMAPSWB447	SWB	APPROVED_CERT		1/5/2012 18:54	mccabed	SR-W027-235F-HEPA	S5410	None		12/30/1963	1/3/2013		1/3/2012		Overpacked--inner container is SR520757.	- Rpkgd was SR520757	TRUE	FALSE	TRUE	NA		SR520757		Repack
24058	WMAPSWB452	SWB	EMPLACED_CNTR	5/1/2013 15:16	6/14/2012 14:39	mccabed	SR-W027-235F-HEPA	S5410			1/4/2012		1/4/2012			Added per JMontoya email 061412		TRUE	FALSE	TRUE	NA				
24059	WMAPSWB558	SWB	APPROVED_CERT		10/17/2012 10:17	mccabed	SR-W027-235F-HEPA	S5410			10/17/2012		10/17/2012			WIll Not be repackaged prior to characterization per Dlambert email 101712	- Rpkgd was 235F02006 / Repacked was 235F02006A / Repacked was 235F02008A	FALSE	FALSE	FALSE					
24060	235F01039	SSG	EMPLACED_CNTR	2/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	7/15/2003	10/9/2001	7/15/2003	4/3/2002										
24061	235F01040	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	7/15/2004	10/9/2001	7/15/2004	4/3/2002										
24062	235F01041	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	7/15/2004	10/9/2001	7/15/2004	4/3/2002										
24063	235F01042	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	7/15/2004	10/9/2001	7/15/2004	4/3/2002										
24064	235F01043	SSG	EMPLACED_CNTR	4/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/4/2005	10/9/2001	6/4/2005	4/3/2002										
24065	235F01044	SSG	EMPLACED_CNTR	3/7/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/3/2005	10/9/2001	6/3/2005	4/3/2002										
24066	235F01045	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/24/2005	10/9/2001	6/24/2005	4/3/2002										
24067	235F01046	SSG	EMPLACED_CNTR	4/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/3/2005	10/9/2001	6/3/2005	4/3/2002										
24068	235F01047	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/17/2005	10/9/2001	6/17/2005	4/3/2002										
24069	235F01048	SSG	EMPLACED_CNTR	4/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/1/2005	10/9/2001	6/1/2005	4/3/2002										
24070	235F01049	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/23/2005	10/9/2001	6/23/2005	4/3/2002										
24071	235F01050	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	0	10/9/2001	10/9/2001	10/9/2001	6/2/2005	4/3/2002										
24072	235F01051	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	6/12/2005	10/9/2001	6/12/2005	4/3/2002										
24073	235F01052	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/9/2001	7/15/2004	10/9/2001	7/15/2004	4/3/2002										
24074	235F01053	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/17/2005	10/10/2001	6/17/2005	4/4/2002										
24075	235F01054	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/23/2005	10/10/2001	6/23/2005	4/4/2002										
24076	235F01055	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/17/2005	10/10/2001	6/17/2005	4/4/2002										
24077	235F01056	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/11/2005	10/10/2001	6/11/2005	4/4/2002										
24078	235F01057	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/24/2005	10/10/2001	6/24/2005	4/4/2002										
24079	235F01058	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	VBP Purge	0	10/10/2001	10/10/2001	10/10/2001	6/17/2005	4/4/2002										
24080	235F01059	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/24/2005	10/10/2001	6/24/2005	4/4/2002										
24081	235F01060	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/17/2005	10/10/2001	6/17/2005	4/4/2002										
24082	235F01061	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/28/2006	10/10/2001	6/28/2006	4/4/2002										
24083	235F01062	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/17/2005	10/10/2001	6/17/2005	4/4/2002										
24084	235F01063	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/24/2005	10/10/2001	6/24/2005	4/4/2002										
24085	235F01064	SSG	EMPLACED_CNTR	4/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	6/24/2005	10/10/2001	6/24/2005	4/4/2002										
24086	235F01065	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	7/16/2004	10/10/2001	7/16/2004	4/4/2002										
24087	235F01066	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	10/10/2001	7/15/2004	10/10/2001	7/15/2004	4/4/2002										
24088	235F01067	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	7/21/2004	11/6/2001	7/21/2004	5/1/2002										
24089	235F01068	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	7/14/2004	11/6/2001	7/14/2004	5/1/2002										
24090	235F01069	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	7/15/2004	11/6/2001	7/15/2004	5/1/2002										
24091	235F01070	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	6/2/2005	11/6/2001	6/2/2005	5/1/2002										
24092	235F01071	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	6/11/2005	11/6/2001	6/11/2005	5/1/2002										
24093	235F01072	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/6/2001	7/15/2004	11/6/2001	7/15/2004	5/1/2002										
24094	235F01073	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/8/2001	6/23/2005	11/8/2001	6/23/2005	5/3/2002										
24095	235F01074	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/8/2001	7/15/2004	11/8/2001	7/15/2004	5/3/2002										
24096	235F01075	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	S5400	Remediate	1	11/8/2001	6/24/2006	11/8/2001	6/24/2006	5/3/2002										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24097	235F01076	55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/8/2001	2/4/2006	11/8/2001	2/4/2006	5/3/2002										
24098	235F01077	55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	11/8/2001	11/8/2001	11/8/2001	4/9/2004	5/3/2002										
24099	235F01078	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	10/9/2001	10/9/2001	10/9/2001	4/9/2004	4/3/2002										
24100	235F05001	55G	EMPLACED_CNTR	4/16/2011 10:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	1/14/2005		1/14/2005		7/9/2005	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24101	235F05002	55G	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	2/2/2006		2/2/2006		7/28/2006	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24102	235F05003	55G	EMPLACED_CNTR	4/16/2011 10:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	2/2/2006		2/2/2006		7/28/2006	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24103	235F05004	55G	EMPLACED_CNTR	4/16/2011 10:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	2/2/2006		2/2/2006		7/28/2006	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24104	235F05005	55G	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	2/2/2006		2/2/2006		7/28/2006			TRUE	TRUE	TRUE					
24105	235F05007	55G	EMPLACED_CNTR	10/18/2011 22:20	4/28/2011 6:00	ldcwebuser	SR-W027-235F-HET	55400		0	9/28/2006		9/28/2006		3/23/2007			TRUE	TRUE	TRUE					
24106	235F06001	55G	EMPLACED_CNTR	4/16/2011 10:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	2/15/2006		2/15/2006		8/10/2006	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24107	235F06002	55G	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	9/19/2006		9/19/2006		3/14/2007			TRUE	TRUE	TRUE					
24108	235F06003	55G	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	0	10/2/2006	2/4/2011	10/2/2006	2/4/2011	3/27/2007			TRUE	TRUE	TRUE					
24109	SR105043	55G	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	2/10/2006	6/22/1999	2/10/2006	12/15/1999										
24110	SR105044	55G	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	10/26/2007	12/1/1999	10/26/2007	5/25/2000										
24111	SR105045	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	7/12/2004	8/11/1999	7/12/2004	2/3/2000										
24112	SR105046	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	7/12/2004	6/8/1999	7/12/2004	12/1/1999										
24113	SR105047	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	7/28/2004	7/14/1999	7/28/2004	1/6/2000										
24114	SR105049	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/6/1979	12/14/2005	8/10/1999	12/14/2005	2/2/2000										
24115	SR105097	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/2/1979	7/16/2004	8/17/1999	7/16/2004	2/9/2000										
24116	SR109004	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	8/14/1980		5/5/1998		10/28/1998										
24117	SR109005	55G	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	8/14/1980		4/6/1998		9/29/1998										
24118	SR109006	55G	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/14/1980	5/5/2008	4/22/1998	5/5/2008	10/15/1998										
24119	SR109012	55G	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/21/1980	7/8/2004	4/16/1998	7/8/2004	10/9/1998										
24120	SR109013	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/21/1980	7/12/2004	5/11/1998	7/12/2004	11/3/1998										
24121	SR109016	55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/2/1980		5/14/1998		11/6/1998										
24122	SR109022	55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/2/1980	1/1/2006	4/16/1998	1/1/2006	10/9/1998										
24123	SR109033	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/16/1980		10/21/1997		4/15/1998										
24124	SR109034	55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/16/1980		10/21/1997		4/15/1998										
24125	SR109055	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/7/1980		10/20/1997		4/14/1998										
24126	SR109056	55G	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	10/7/1980	12/14/2005	10/21/1997	12/14/2005	4/15/1998										
24127	SR109057	55G	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/7/1980		10/22/1997		4/16/1998										
24128	SR109077	55G	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/4/1980	11/19/2007	10/13/1997	11/19/2007	4/7/1998										
24129	SR109086	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	8/12/1980		5/7/1998		10/30/1998										
24130	SR109087	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/12/1980	7/2/2004	4/30/1998	7/2/2004	10/23/1998										
24131	SR109091	55G	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/12/1980	3/10/2008	5/6/1998	3/10/2008	10/29/1998										
24132	SR109099	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/22/1980	7/10/2004	3/16/1998	7/10/2004	9/8/1998										
24133	SR109109	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/22/1980	7/17/2004	3/4/1998	7/17/2004	8/27/1998										
24134	SR109110	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	1/22/1980		2/25/1998		8/20/1998										
24135	SR109111	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/22/1980	7/10/2004	2/18/1998	7/10/2004	8/13/1998										
24136	SR109112	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/22/1980	7/5/2004	3/19/1998	7/5/2004	9/11/1998										
24137	SR109113	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	1/22/1980		3/18/1998		9/10/1998										
24138	SR109116	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/26/1980	7/23/2004	4/6/1998	7/23/2004	9/29/1998										
24139	SR109117	55G	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	2/26/1980	2/26/1980	4/15/1998	11/30/2006	10/8/1998										
24140	SR109118	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/26/1980	7/2/2004	3/24/1998	7/2/2004	9/16/1998										
24141	SR109119	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/26/1980	7/23/2004	3/24/1998	7/23/2004	9/16/1998										
24142	SR109629	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	5/31/1979	7/16/2004	7/14/1999	7/16/2004	1/6/2000										
24143	SR109630	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/31/1979		7/15/1999		1/7/2000										
24144	SR109631	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	5/31/1979	7/24/2004	7/13/1999	7/24/2004	1/5/2000										
24145	SR109636	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/21/1979		10/28/1999		4/21/2000										
24146	SR109638	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/21/1979	7/21/2004	7/15/1999	7/21/2004	1/7/2000										
24147	SR109643	55G	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/24/1979	7/10/2004	10/19/1999	7/10/2004	4/12/2000										
24148	SR109644	55G	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/24/1979		8/17/1999		2/9/2000										
24149	SR109652	55G	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/15/1979	5/27/2005	3/17/1998	5/27/2005	9/9/1998										
24150	SR109653	55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/15/1979	6/7/2005	3/5/1998	6/7/2005	10/26/1998										
24151	SR109662	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/2/1979		5/17/1999		11/9/1999										
24152	SR109664	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	10/2/1979	7/24/2004	10/28/1999	7/24/2004	4/21/2000										
24153	SR109669	55G	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	10/17/1979	7/9/2004	8/17/1999	7/9/2004	2/9/2000										
24154	SR109670	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/17/1979		8/16/1999		2/8/2000										
24155	SR109671	55G	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/17/1979		8/16/1999		2/8/2000										
24156	SR111917	55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/30/1980	10/27/2005	5/5/1998	10/27/2005	10/28/1998										
24157	SR111918	85G	EMPLACED_CNTR	10/18/2010 22:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/30/1980		11/24/1998		5/19/1999										
24158	SR111945	55G	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/30/1980	1/3/2007	5/5/1998	1/3/2007	10/28/1998										
24159	SR111947	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	5/1/1980	7/14/2004	11/3/1997	7/14/2004	4/28/1998										
24160	SR111949	55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/1/1980		5/20/1998		11/12/1998										
24161	SR111950	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/1/1980		3/24/1998		9/16/1998										
24162	SR111951	55G	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/1/1980		5/20/1998		11/12/1998										
24163	SR111961	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/30/1980	7/24/2004	5/4/1998	7/24/2004	10/27/1998										
24164	SR113746	55G	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/30/1980		5/4/1998		10/27/1998										
24165	SR118951	55G	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/24/1980		10/27/1997		4/21/1998										
24166	SR118954	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/30/1980	7/22/2004	5/11/1998	7/22/2004	11/3/1998										
24167	SR118955	55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/30/1980	4/19/2007	5/7/1998	4/19/2007	10/30/1998										
24168	SR118956	85G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/30/1980		11/23/1998		5/18/1999										
24169	SR118958	55G	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/9/1980	3/28/2006	11/4/1997	3/28/2006	4/29/1998										
24170	SR118959	55G	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/10/1980	2/11/2006	10/29/1997	2/11/2006	4/23/1998										
24171	SR118960	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/10/1980	2/12/2006	2/19/1998	2/12/2006	8/14/1998										
24172	SR118961	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/10/1980	2/3/2006	10/30/1997	2/3/2006	4/24/1998										
24173	SR118962	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/9/1980	7/3/2004	11/3/1997	7/3/2004	4/28/1998										
24174	SR118970	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/24/1980	7/25/2004	10/27/1997	7/25/2004	4/21/1998										
24175	SR118972	55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/24/1980	5/4/2006	10/28/1997	5/4/2006	4/22/1998										
24176	SR118973	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/24/1980		10/27/1997		4/21/1998										
24177	SR118974	55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/24/1980	6/9/2005	10/23/1997	6/9/2005	4/17/1998										
24178	SR118978	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	12/11/1980		10/7/1997		4/1/1998										
24179	SR118979	55G	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/10/1980	1/4/2007	10/23/1997	1/4/2007	4/17/1998										
24180	SR118990	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/2/1980		10/28/1997		4/22/1998										
24181	SR118991	55G	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/2/1980	7/9/2004	10/29/1997	7/9/2004	4/23/1998										
24182	SR118992	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/2/1980		10/30/1997		4/24/1998										
24183	SR118993	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/2/1980		10/29/1997		4/23/1998										
24184	SR120001	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/22/1980	7/22/2004	3/26/1998	7/22/2004	9/18/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24185	SR120002	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	4/22/1980	7/12/2004	11/6/1997	7/12/2004	5/1/1998										
24186	SR120003	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	4/22/1980	7/1/2004	5/20/1998	7/1/2004	11/12/1998										
24187	SR120004	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	4/22/1980	5/21/2005	4/6/1998	5/21/2005	9/29/1998										
24188	SR120005	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	4/23/1980	11/10/2007	5/20/1998	11/10/2007	11/12/1998										
24189	SR120006	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	4/22/1980		3/30/1998		9/12/1998										
24190	SR120007	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	4/22/1980	5/17/2006	4/7/1998	5/17/2006	9/30/1998										
24191	SR120007A	SSG	EMPLACED_CNTR	1/16/2013 15:01	1/8/2012 15:02	mccabed	SR-W027-235F-NET	SS400			5/16/2006	2/28/2012	5/16/2006	2/28/2012		Container was previously assigned SWD061339; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE						
24192	SR120008	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	4/22/1980		11/6/1997		5/1/1998										
24193	SR120009	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	4/22/1980		11/6/1997		5/1/1998										
24194	SR120015	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/30/1980		5/6/1998		10/29/1998										
24195	SR120017	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/14/1980		3/24/1998		9/16/1998										
24196	SR120018	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		11/5/1997		4/30/1998										
24197	SR120019	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	5/13/1980	11/29/2005	11/4/1997	11/29/2005	4/29/1998										
24198	SR120023	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		11/6/1997		5/1/1998										
24199	SR120024	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		10/27/1997		4/21/1998										
24200	SR120025	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	5/13/1980	1/24/2006	11/4/1997	1/24/2006	4/29/1998										
24201	SR120026	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	5/13/1980	2/16/2006	11/4/1997	2/16/2006	4/29/1998										
24202	SR120027	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		11/5/1997		4/30/1998										
24203	SR120028	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		10/28/1997		4/21/1998										
24204	SR120029	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	5/13/1980	7/24/2004	4/13/1998	7/24/2004	10/6/1998										
24205	SR120030	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	5/13/1980		11/5/1997		4/30/1998										
24206	SR120035	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	4/3/1980		4/16/1998		10/9/1998										
24207	SR120036	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	4/3/1980		5/19/1998		11/11/1998										
24208	SR120037	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	3/20/1980	8/13/2006	4/28/1998	8/13/2006	10/21/1998										
24209	SR120038	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	3/20/1980	7/21/2004	5/4/1998	7/21/2004	10/27/1998										
24210	SR120039	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	3/25/1980	7/23/2004	5/8/1998	7/23/2004	10/29/1998										
24211	SR120040	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	3/25/1980	3/20/2006	4/27/1998	3/20/2006	10/20/1998										
24212	SR120041	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Vent	0	3/25/1980	3/25/1980	4/23/1998	10/25/2006	10/16/1998										
24213	SR120042	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	3/25/1980		4/27/1998		10/20/1998										
24214	SR120046	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Purge	0	3/4/1980	3/4/1980	2/18/1998	9/21/2004	8/13/1998										
24215	SR120047	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Vent	0	3/4/1980	3/4/1980	2/19/1998	11/24/2006	8/14/1998										
24216	SR120048	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Vent	0	3/20/1980	3/20/1980	4/20/1998	1/1/2007	10/13/1998										
24217	SR120049	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	3/20/1980	7/2/2004	5/4/1998	7/2/2004	10/27/1998										
24218	SR121140	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/4/1980	7/28/2004	10/13/1997	7/28/2004	4/7/1998										
24219	SR121111	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/4/1980	7/21/2004	10/7/1997	7/21/2004	4/1/1998										
24220	SR121113A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	11/8/2007		11/8/2007		5/2/2008										
24221	SR121119	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/11/1980	7/14/2004	10/13/1997	7/14/2004	4/7/1998										
24222	SR121123	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/18/1980	7/7/2004	10/14/1997	7/7/2004	4/8/1998										
24223	SR121124	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/18/1980	7/3/2004	10/15/1997	7/3/2004	4/9/1998										
24224	SR121125	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/13/1980	7/16/2004	10/14/1997	7/16/2004	4/8/1998										
24225	SR121132	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	11/25/1980	3/26/2006	10/13/1997	3/26/2006	4/7/1998										
24226	SR121135	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	11/25/1980		10/9/1997		4/3/1998										
24227	SR125800	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	8/11/1981	7/7/2004	8/26/1997	7/7/2004	2/18/1998										
24228	SR125801	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	8/11/1981		8/28/1997		2/20/1998										
24229	SR125803	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	8/11/1981	7/7/2004	8/20/1997	7/7/2004	2/12/1998										
24230	SR125804A	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1		12/27/2006		12/27/2006											
24231	SR125814	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Vent	0	8/18/1981	8/18/1981	8/27/1998	10/13/2006	2/19/1999										
24232	SR125815	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	8/18/1981	7/16/2004	9/1/1998	7/16/2004	2/24/1999										
24233	SR125822	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	8/27/1981	11/11/2006	8/27/1998	11/11/2006	2/19/1999										
24234	SR125823	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	8/27/1981		8/27/1998		2/19/1999										
24235	SR125828	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	6/30/1981		2/25/1998		8/26/1998										
24236	SR125829	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	6/30/1981	11/7/2007	4/14/1998	11/7/2007	10/7/1998										
24237	SR125832	SSG	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	6/30/1981	7/8/2004	4/14/1998	7/8/2004	10/7/1998										
24238	SR125834	SSG	EMPLACED_CNTR	2/28/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	6/30/1981	7/7/2004	4/14/1998	7/7/2004	10/7/1998										
24239	SR125835	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	6/30/1981	7/25/2004	3/25/1998	7/25/2004	9/17/1998										
24240	SR125839	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	6/30/1981	7/13/2004	3/25/1998	7/13/2004	9/17/1998										
24241	SR125843	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	1/23/2006	4/28/1998	1/23/2006	10/21/1998										
24242	SR125844	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	7/31/2004	5/13/1998	7/31/2004	11/5/1998										
24243	SR125846	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	1/1/2006	5/20/1998	1/1/2006	11/12/1998										
24244	SR125847	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	7/16/2004	3/19/1998	7/16/2004	9/14/1998										
24245	SR125848	SSG	EMPLACED_CNTR	2/28/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	7/25/2004	3/3/1998	7/25/2004	8/26/1998										
24246	SR125849	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/2/1981	12/13/2005	3/30/1998	12/13/2005	9/22/1998										
24247	SR125853	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/9/1981		5/5/1998		10/28/1998										
24248	SR125854	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	V&P Purge	0	7/9/1981	7/9/1981	4/23/1998	8/28/2006	10/14/1998										
24249	SR125862	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	7/13/2004	8/19/1997	7/13/2004	2/11/1998										
24250	SR125863	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	7/29/2004	8/19/1997	7/29/2004	2/11/1998										
24251	SR125865	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	2/5/2007	8/26/1997	2/5/2007	2/18/1998										
24252	SR125865A	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1		2/5/2007		2/5/2007											
24253	SR125866	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/21/1981		8/26/1997		2/18/1998										
24254	SR125867	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/21/1981		8/26/1997		2/20/1998										
24255	SR125870	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	7/5/2004	5/7/1998	7/5/2004	10/30/1998										
24256	SR125871	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	5/20/2005	9/25/1997	5/20/2005	3/20/1998										
24257	SR125872	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	7/29/2004	8/19/1997	7/29/2004	2/11/1998										
24258	SR125873	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	5/16/2006	8/26/1997	5/16/2006	2/18/1998										
24259	SR125873A	SSG	EMPLACED_CNTR	1/16/2013 15:01	1/8/2012 15:08	mccabed	SR-W027-235F-NET	SS400			5/16/2006	2/28/2012	5/16/2006	2/28/2012		Container was previously assigned SWD061336; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE						
24260	SR125874	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	7/21/2004	8/27/1997	7/21/2004	2/19/1998										
24261	SR125875	BSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	6/11/2007	11/24/1998	6/11/2007	5/19/1999										
24262	SR125875A	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1		1/4/2007		1/4/2007											
24263	SR125876	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/21/1981	2/18/2006	8/19/1997	2/18/2006	2/11/1998										
24264	SR125884	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/28/1981	7/14/2004	9/2/1998	7/14/2004	2/25/1999										
24265	SR125885	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	7/28/1981	7/15/2004	9/1/1998	7/15/2004	2/24/1999										
24266	SR125886	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/28/1981		9/1/1998		2/25/1999										
24267	SR125887	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400		0	7/28/1981		9/3/1998		2/26/1999										
24268	SR127751	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	12/11/1980	2/2/2006	10/6/1997	2/2/2006	3/31/1998										
24269	SR127753	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	12/11/1980	4/13/2006	10/8/1997	4/13/2006	3/31/1998										
24270	SR127754	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-NET	SS400	Remediate	1	12/11/1980	4/20/2006	10/8/1997	4/20/2006	4/2/1998										

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24271	SR127755	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	12/11/1980	2/5/2006	10/6/1997	2/5/2006	3/11/1998										
24272	SR127756	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	12/11/1980	7/10/2004	10/7/1997	7/10/2004	4/1/1996										
24273	SR127762	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	12/18/1980	7/25/2004	10/6/1997	7/25/2004	3/11/1998										
24274	SR127765	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	12/18/1980	11/13/2006	10/7/1997	11/13/2006	4/1/1996										
24275	SR127766	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	12/18/1980	7/2/2004	9/22/1997	7/2/2004	3/17/1998										
24276	SR127792	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	1/27/1981	4/8/2008	9/8/1997	4/8/2008	3/3/1998										
24277	SR127793	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	1/27/1981	4/6/2006	9/22/1997	4/6/2006	3/17/1998										
24278	SR127806	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	2/19/1981		9/8/1997		3/3/1998										
24279	SR127812	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	V&P Vent	0	2/19/1981	2/19/1981	9/4/1997	11/1/2006	2/27/1998										
24280	SR127813	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	V&P Vent	0	2/19/1981	2/19/1981	9/2/1997	8/16/2006	2/25/1998										
24281	SR127820	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	2/24/1981	7/5/2005	8/26/1997	7/5/2005	2/18/1998										
24282	SR127827	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		8/26/1997		2/18/1998										
24283	SR127831	SSG	EMPLACED_CNTR	8/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		8/29/1997		2/12/1998										
24284	SR127832	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/5/1981	8/21/2006	9/2/1997	8/21/2006	2/25/1998										
24285	SR127833	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		8/21/1997		2/13/1998										
24286	SR127834	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/5/1981	7/11/2004	9/3/1997	7/11/2004	2/26/1998										
24287	SR127836	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/5/1981	7/10/2004	9/2/1997	7/10/2004	2/25/1998										
24288	SR127837	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		8/26/1997		2/18/1998										
24289	SR127838	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		8/25/1997		2/17/1998										
24290	SR127839	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/5/1981	7/14/2004	8/21/1997	7/14/2004	2/13/1998										
24291	SR127840	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/5/1981		9/3/1997		2/26/1998										
24292	SR127841	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/5/1981	7/26/2004	9/4/1997	7/26/2004	2/27/1998										
24293	SR127842	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/10/1981		4/16/1998		10/9/1998										
24294	SR127846	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/10/1981		8/28/1997		2/09/1998										
24295	SR127847	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/10/1981	7/9/2004	8/29/1997	7/9/2004	2/12/1998										
24296	SR127855	SSG	EMPLACED_CNTR	9/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/17/1981	7/3/2004	4/29/1998	7/3/2004	10/22/1998										
24297	SR127856	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/17/1981	11/12/2007	11/24/1998	11/12/2007	5/19/1999										
24298	SR127857	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/17/1981		4/29/1998		10/22/1998										
24299	SR127858	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/17/1981	2/4/2006	4/29/1998	2/4/2006	10/22/1998										
24300	SR127861	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/17/1981		5/5/1998		10/28/1998										
24301	SR127862	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/17/1981		4/16/1998		10/9/1998										
24302	SR127863	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/17/1981		4/29/1998		10/22/1998										
24303	SR127864	SSG	EMPLACED_CNTR	5/5/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/17/1981	9/24/2007	4/23/1998	9/24/2007	10/16/1998										
24304	SR127870	SSG	EMPLACED_CNTR	6/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/24/1981	5/31/2005	9/2/1997	5/31/2005	2/25/1998										
24305	SR127871	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/24/1981	5/18/2005	8/26/1997	5/18/2005	2/18/1998										
24306	SR127872	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/24/1981	7/4/2005	8/26/1997	7/4/2005	2/18/1998										
24307	SR127872A	SSG	EMPLACED_CNTR	4/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	7/4/2005		7/4/2005		12/27/2005										
24308	SR127873	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/24/1981	2/14/2007	8/20/1997	2/14/2007	2/12/1998										
24309	SR127874	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/24/1981		8/28/1997		2/20/1998										
24310	SR127884	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/31/1981		4/16/1998		10/9/1998										
24311	SR127885	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	3/31/1981		11/24/1998		5/19/1999										
24312	SR127886	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/31/1981	7/10/2006	4/15/1998	7/10/2006	10/8/1998										
24313	SR127888	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	V&P Vent	0	3/31/1981	3/31/1981	4/23/1998	11/6/2005	10/16/1998										
24314	SR127898	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/14/1981	3/26/2006	4/8/1998	3/26/2006	10/1/1998										
24315	SR127899	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	4/14/1981		4/23/1998		10/14/1998										
24316	SR127901	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/14/1981	12/18/2005	4/27/1998	12/18/2005	10/20/1998										
24317	SR127902	SSG	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/14/1981	2/16/2008	5/4/1998	2/16/2008	10/27/1998	TRUE	TRUE	TRUE							
24318	SR127903	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/14/1981	7/4/2004	4/30/1998	7/4/2004	10/23/1998										
24319	SR127904	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/14/1981	10/26/2005	3/19/1998	10/26/2005	9/1/1998										
24320	SR127905	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	4/14/1981		4/27/1998		10/20/1998										
24321	SR127912	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/16/1981	10/3/2006	9/3/1997	10/3/2006	2/26/1998										
24322	SR127920	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	0	4/28/1981	11/19/2009	8/27/1997	11/19/2009	2/19/1998	TRUE	TRUE	TRUE							
24323	SR127921	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	4/9/2008	9/2/1997	4/9/2008	2/12/1998	WWIS_Status:APPROVED_CERT									
24324	SR127922	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	5/31/2005	9/2/1997	5/31/2005	2/25/1998										
24325	SR127923	SSG	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	7/2/2004	8/20/1997	7/2/2004	2/12/1998										
24326	SR127924	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	11/11/2005	9/3/1997	11/11/2005	2/26/1998										
24327	SR127926	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	7/9/2004	9/4/1997	7/9/2004	2/27/1998										
24328	SR127927	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	7/29/2004	9/2/1997	7/29/2004	2/25/1998										
24329	SR127928	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	4/28/1981	7/26/2004	8/21/1997	7/26/2004	2/13/1998										
24330	SR127931	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/7/1981	7/25/2004	9/3/1997	7/25/2004	2/26/1998										
24331	SR127932	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/7/1981	7/13/2004	8/20/1997	7/13/2004	2/12/1998										
24332	SR127932A	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1		7/13/2004		7/13/2004											
24333	SR127933	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	5/7/1981		8/27/1997		2/19/1998										
24334	SR127935	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	5/7/1981		8/28/1997		2/20/1998										
24335	SR127936	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	5/7/1981		8/21/1997		2/13/1998										
24336	SR127938	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/7/1981	7/14/2004	8/27/1997	7/14/2004	2/19/1998										
24337	SR127939	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/7/1981	3/16/2006	8/21/1997	3/16/2006	2/13/1998										
24338	SR127944	SSG	EMPLACED_CNTR	3/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	5/7/1981		8/21/1997		2/13/1998										
24339	SR127948	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/14/1981	6/5/2006	4/20/1998	6/5/2006	10/13/1998										
24340	SR127948A	SSG	APPROVED_CERT		3/15/2012 21:02	mccabed	SR-WO27-235F-HET	S5400				6/5/2006	3/7/2012	6/5/2006	3/7/2012		SWD061190 re-named and WS reassigned from SR-SWMF-HET-4; Tru Drum repacking 221-F-55006.	TRUE	FALSE	TRUE					
24341	SR127952	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/14/1981	2/2/2006	4/28/1998	2/2/2006	10/21/1998										
24342	SR127953	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/14/1981	7/25/2004	4/22/1998	7/25/2004	10/15/1998										
24343	SR127955	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	5/14/1981	7/5/2004	5/6/1998	7/5/2004	10/29/1998										
24344	SR127969	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/4/1981	12/18/2005	5/12/1998	12/18/2005	11/4/1998										
24345	SR127970	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/4/1981	7/4/2004	5/6/1998	7/4/2004	10/29/1998										
24346	SR127971	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/4/1981	7/3/2004	5/6/1998	7/3/2004	10/29/1998										
24347	SR127972	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	6/4/1981		5/8/1998		10/29/1998										
24348	SR127973	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	6/4/1981		5/5/1998		10/28/1998										
24349	SR127974	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/4/1981	1/15/2008	3/30/1998	1/15/2008	9/11/1998										
24350	SR127975	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	6/4/1981		3/30/1998		9/22/1998										
24351	SR127977	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/4/1981	7/22/2004	3/30/1998	7/22/2004	9/22/1998										
24352	SR127988	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400		0	6/18/1981		5/19/1998		11/11/1998										
24353	SR127989	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/18/1981	7/8/2004	4/14/1998	7/8/2004	10/7/1998										
24354	SR127990	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	6/18/1981	7/17/2004	3/2/1998	7/17/2004	8/25/1998										
24355	SR127990A	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1		7/17/2004		7/17/2004											
24356	SR131107	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	10/28/1982	7/29/2004	7/21/1998	7/29/2004	1/13/1999										
24357	SR131108	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	10/28/1982	7/4/2004	7/21/1998	7/4/2004	1/13/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24358	SR131109	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/2/1982	7/28/2004	6/30/1998	7/28/2004	12/1/1998										
24359	SR131111	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/2/1982	7/25/2004	6/9/1998	7/25/2004	12/2/1998										
24360	SR131112	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/9/1998		12/2/1998										
24361	SR131115	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	10/28/1982	7/4/2004	7/21/1998	7/4/2004	1/13/1999										
24362	SR131116	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	10/28/1982	7/13/2004	7/30/1998	7/13/2004	1/22/1999										
24363	SR131117	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/2/1982	7/23/2004	6/9/1998	7/23/2004	12/2/1998										
24364	SR131119	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	10/28/1982		7/30/1998		1/22/1999										
24365	SR131120	SSG	EMPLACED_CNTR	3/23/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	10/28/1982	7/29/2004	7/20/1998	7/29/2004	1/12/1999										
24366	SR131121	SSG	EMPLACED_CNTR	3/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	10/28/1982		7/20/1998		1/12/1999										
24367	SR131124	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	10/28/1982		7/21/1998		1/13/1999										
24368	SR131127	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	V&P Vent	0	11/2/1982	11/2/1982	6/8/1998	8/11/2006	12/1/1998										
24369	SR131128	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/11/1998		12/4/1998										
24370	SR131129	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/8/1998		12/1/1998										
24371	SR131130	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/2/1982	7/4/2004	6/8/1998	7/4/2004	12/1/1998										
24372	SR131130A	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1		7/4/2004		7/4/2004											
24373	SR131131	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/8/1998		12/1/1998										
24374	SR131132	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/2/1982	7/24/2004	6/8/1998	7/24/2004	12/1/1998										
24375	SR131133	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/11/1998		12/4/1998										
24376	SR131134	SSG	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/2/1982		6/11/1998		12/4/1998										
24377	SR131135	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/9/1982		7/8/1998		12/31/1998										
24378	SR131136	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/9/1982	3/12/2006	6/3/1998	3/12/2006	11/26/1998										
24379	SR131136A	SSG	EMPLACED_CNTR	12/6/2012 15:41	3/8/2012 15:25	mccabed	SR-W027-235F-MET	SS400			3/12/2006	2/29/2012	3/12/2006	2/29/2012		SWD061093 re-named and WS reassigned from SR-SWMF-HET-A; 221-F-55006 Tru Drum Repacking		TRUE	FALSE	TRUE						
24380	SR131137	SSG	EMPLACED_CNTR	6/1/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/9/1982		6/2/1998		11/25/1998										
24381	SR131138	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/9/1982		7/8/1998		12/31/1998										
24382	SR131139	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/9/1982	6/24/2005	6/3/1998	6/24/2005	11/26/1998										
24383	SR131140	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/9/1982	8/2/2006	6/3/1998	8/2/2006	11/26/1998										
24384	SR131145	SSG	EMPLACED_CNTR	3/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	11/18/1982		6/4/1998		11/27/1998										
24385	SR131146	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/18/1982	2/2/2006	5/27/1998	2/2/2006	11/19/1998										
24386	SR131147	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/18/1982	7/29/2004	7/7/1998	7/29/2004	12/30/1998										
24387	SR131148	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	11/18/1982	7/5/2004	7/7/1998	7/5/2004	12/30/1998										
24388	SR131149	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	12/7/1982		6/16/1998		12/8/1998										
24389	SR131154	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	1/17/1983	7/26/2004	9/14/1998	7/26/2004	3/10/1999										
24390	SR131164	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	2/8/1983		9/14/1998		3/9/1999										
24391	SR131199	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	7/4/2004	7/21/1998	7/4/2004	1/13/1999										
24392	SR131200	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	6/28/2005	8/4/1998	6/28/2005	1/27/1999										
24393	SR131201	SSG	EMPLACED_CNTR	2/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	7/4/2004	8/3/1998	7/4/2004	1/26/1999										
24394	SR131202	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	7/5/2004	7/28/1998	7/5/2004	1/20/1999										
24395	SR131203	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	8/31/1982		8/5/1998		1/28/1999										
24396	SR131204	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	8/31/1982		7/20/1998		1/12/1999										
24397	SR131205	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	3/5/2008	8/3/1998	3/5/2008	1/26/1999										
24398	SR131206	SSG	EMPLACED_CNTR	1/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	7/30/2004	7/29/1998	7/30/2004	1/12/1999										
24399	SR131207	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	8/31/1982	7/23/2004	8/4/1998	7/23/2004	1/27/1999										
24400	SR131208	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	9/1/1982		6/18/1998		12/11/1998										
24401	SR131210	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/7/1982	7/26/2004	8/24/1998	7/26/2004	2/16/1999										
24402	SR131211	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/7/1982	7/19/2004	9/2/1998	7/19/2004	2/15/1999										
24403	SR131216	SSG	EMPLACED_CNTR	5/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/14/1982	4/28/2006	6/9/1998	4/28/2006	12/2/1998										
24404	SR131217	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/14/1982	5/26/2005	6/10/1998	5/26/2005	12/3/1998										
24405	SR131222	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	V&P Vent	0	9/16/1982	9/16/1982	6/15/1998	11/30/2006	12/8/1998										
24406	SR131223	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/16/1982	4/9/2006	7/8/1998	4/9/2006	12/31/1998										
24407	SR131224	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/16/1982	8/1/2004	7/15/1998	8/1/2004	1/7/1999										
24408	SR131225	SSG	EMPLACED_CNTR	10/1/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/16/1982	3/19/2007	7/13/1998	3/19/2007	1/5/1999										
24409	SR131231	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	9/23/1982		6/25/1998		12/18/1998										
24410	SR131232	SSG	EMPLACED_CNTR	1/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	9/23/1982	7/4/2004	6/9/1998	7/4/2004	12/2/1998										
24411	SR131244	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	10/28/1982		7/30/1998		1/22/1999										
24412	SR132757	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	4/22/1982		9/28/1998		3/11/1999										
24413	SR132758	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/22/1982	7/9/1004	9/21/1998	7/9/2004	3/18/1999										
24414	SR132765	SSG	EMPLACED_CNTR	6/11/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	4/29/1982		7/28/1998		1/20/1999										
24415	SR132766	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/29/1982	3/13/2006	7/28/1998	3/13/2006	1/20/1999										
24416	SR132766A	SSG	EMPLACED_CNTR	12/7/2012 13:31	3/15/2012 20:48	mccabed	SR-W027-235F-MET	SS400			3/13/2006	3/12/2012	3/13/2006	3/12/2012		SWD061095 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE						
24417	SR132767	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/29/1982	7/23/2004	7/22/1998	7/23/2004	1/14/1999										
24418	SR132783	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/27/1982	8/1/2006	9/28/1998	8/1/2006	3/23/1999										
24419	SR132784	SSG	EMPLACED_CNTR	3/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	V&P Vent	0	4/27/1982	4/27/1982	9/24/1998	8/15/2006	3/19/1999										
24420	SR132785	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	4/27/1982		9/28/1998		3/11/1999										
24421	SR132786	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/22/1982	7/13/2004	9/23/1998	7/13/2004	3/18/1999										
24422	SR132787	SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	4/22/1982		9/23/1998		3/18/1999										
24423	SR132789	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	4/22/1982	11/18/2006	9/1/1998	11/18/2006	2/24/1999										
24424	SR132792	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/11/1982	6/13/2006	9/2/1998	6/13/2006	2/25/1999										
24425	SR132793	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/11/1982	7/30/2004	9/11/1998	7/30/2004	3/16/1999										
24426	SR132794	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/11/1982	7/26/2004	9/22/1998	7/26/2004	3/17/1999										
24427	SR132795	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	V&P Purge	0	5/11/1982	5/11/1982	9/23/1998	9/21/2004	3/18/1999										
24428	SR132796	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	5/11/1982		9/21/1998		3/16/1999										
24429	SR132797	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	5/11/1982		9/23/1998		3/18/1999										
24430	SR132798	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	5/11/1982		9/2/1998		2/25/1999										
24431	SR132799	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/11/1982	7/20/2004	9/21/1998	7/20/2004	3/16/1999										
24432	SR132851	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/18/1982	7/25/2004	7/22/1998	7/25/2004	1/14/1999										
24433	SR132852	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	5/18/1982		7/28/1998		1/20/1999										
24434	SR132853	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/18/1982	9/13/2006	7/29/1998	9/13/2006	1/21/1999										
24435	SR132854	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/18/1982	7/6/2004	9/10/1998	7/6/2004	3/5/1999										
24436	SR132856	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400		0	5/18/1982		7/29/1998		1/21/1999										
24437	SR132863	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/27/1982	7/8/2004	9/2/1998	7/8/2004	2/25/1999										
24438	SR132864	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/27/1982	1/3/2007	9/16/1998	1/3/2007	3/11/1999										
24439	SR132865	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/27/1982	3/26/2006	9/23/1998	3/26/2006	3/18/1999										
24440	SR132866	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/27/1982	7/14/2004	9/23/1998	7/14/2004	3/18/1999										
24441	SR132867	SSG	EMPLACED_CNTR	3/14/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	5/27/1982	7/26/2004	9/16/1998	7/26/2004	3/11/1999										
24442	SR132869	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	6/15/1982	7/19/2004	9/2/1998	7/19/2004	2/25/1999										
24443	SR132870	SSG	EMPLACED_CNTR	4/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-MET	SS400	Remediate	1	6/15/1982	6/14/2005	11/19/1998	6/14/2005	5/14/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24444	SR132871	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	6/15/1982	5/18/2005	9/1/1998	5/18/2005	2/24/1999										
24445	SR132872	#N/A	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	6/15/1982		11/19/1998		5/14/1999										
24446	SR132873	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	6/15/1982	7/9/2004	9/1/1998	7/9/2004	2/26/1999										
24447	SR132874	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	6/15/1982	7/12/2004	9/1/1998	7/12/2004	2/25/1999										
24448	SR132876	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	6/15/1982		8/26/1998		2/18/1999										
24449	SR132885	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	6/15/1982		8/27/1998		2/19/1999										
24450	SR132886	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	6/15/1982	7/18/2004	9/1/1998	7/18/2004	2/25/1999										
24451	SR132888	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	6/15/1982	3/16/2006	8/26/1998	3/16/2006	2/18/1999										
24452	SR132889	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	6/15/1982		8/26/1998		2/18/1999										
24453	SR132891	SSG	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	7/13/1982		7/23/1998		1/15/1999										
24454	SR132892	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	7/8/2004	7/28/1998	7/8/2004	1/20/1999										
24455	SR132893	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	7/13/1982		7/27/1998		1/19/1999										
24456	SR132894	SSG	EMPLACED_CNTR	6/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	2/5/2007	7/27/1998	2/5/2007	1/19/1999										
24457	SR132894A	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1		2/5/2007		2/5/2007											
24458	SR132895	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	3/31/2006	7/28/1998	3/31/2006	1/21/1999										
24459	SR132896	SSG	EMPLACED_CNTR	4/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	6/29/2005	8/4/1998	6/29/2005	1/27/1999										
24460	SR132897	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	5/23/2006	7/23/1998	5/23/2006	1/15/1999										
24461	SR132897A	SSG		9/7/2011 10:46	mccabed		SR-W027-235F-HET	SS400			5/23/2006		5/23/2006			Container was previously assigned SWD061368		TRUE	FALSE	TRUE					
24462	SR132898	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	2/1/2006	7/28/1998	2/1/2006	1/20/1999										
24463	SR132899	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/13/1982	7/19/2004	7/30/1998	7/19/2004	1/22/1999										
24464	SR132903	SSG	EMPLACED_CNTR	2/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	7/23/1982		8/10/1998		2/2/1999										
24465	SR132904	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/23/1982	6/30/2005	7/22/1998	6/30/2005	1/14/1999										
24466	SR132908	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	7/29/1982		7/23/1998		1/15/1999										
24467	SR132910	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	7/29/1982	8/1/2004	7/27/1998	8/1/2004	1/19/1999										
24468	SR132911	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	V&P Vent	0	7/29/1982	7/29/1982	8/4/1998	8/16/2006	1/27/1999										
24469	SR132959	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/26/1982	4/27/2010	7/29/1998	4/27/2010	1/21/1999										
24470	SR132960	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/22/2004	7/16/1998	7/22/2004	1/8/1999										
24471	SR132961	SSG	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/28/2004	7/29/1998	7/28/2004	1/21/1999										
24472	SR132962	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/30/2004	7/28/1998	7/30/2004	1/20/1999										
24473	SR132964	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	8/24/1982		7/21/1998		1/13/1999										
24474	SR132965	SSG	EMPLACED_CNTR	7/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/25/2004	7/29/1998	7/25/2004	1/21/1999										
24475	SR132966	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	6/30/2005	7/29/1998	6/30/2005	1/21/1999										
24476	SR132976	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	8/10/1982		7/27/1998		1/19/1999										
24477	SR132977	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	8/10/1982		7/21/1998		1/13/1999										
24478	SR132978	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	8/10/1982		8/26/1998		2/18/1999										
24479	SR132980	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/10/1982	7/29/2004	8/26/1998	7/29/2004	2/18/1999										
24480	SR132981	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	8/10/1982		7/20/1998		1/13/1999										
24481	SR132982	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/10/1982	7/2/2004	7/23/1998	7/2/2004	1/15/1999										
24482	SR132984	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/10/1982	8/1/2004	8/10/1998	8/1/2004	2/2/1999										
24483	SR132985	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	5/16/2006	7/29/1998	5/16/2006	1/21/1999										
24484	SR132986	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	11/5/2006	8/4/1998	11/5/2006	1/27/1999										
24485	SR132987	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/4/2004	7/20/1998	7/4/2004	1/12/1999										
24486	SR132989	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/24/1982	7/4/2004	7/20/1998	7/4/2004	1/12/1999										
24487	SR136916	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	8/9/1983	3/22/2006	7/30/1998	3/22/2006	1/21/1999										
24488	SR136921	SSG	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/19/1983	7/31/2004	7/7/1998	7/31/2004	12/30/1998										
24489	SR136942	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	9/2/1982	7/14/2004	6/17/1998	7/14/2004	12/10/1998										
24490	SR136943	SSG	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	9/7/1982	7/8/2004	6/16/1998	7/8/2004	12/9/1998										
24491	SR136977	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	12/7/1982	7/25/2004	6/22/1998	7/25/2004	12/15/1998										
24492	SR136978	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	12/7/1982		6/22/1998		12/15/1998										
24493	SR136996	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	1/11/1983	7/31/2004	6/17/1998	7/31/2004	12/10/1998										
24494	SR138510	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	2/4/1982	7/7/2004	9/29/1998	7/7/2004	3/24/1999										
24495	SR138511	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	2/4/1982		9/24/1998		3/19/1999										
24496	SR138512	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	2/4/1982	8/1/2004	10/19/1998	8/1/2004	4/13/1999										
24497	SR138513	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	2/4/1982		10/13/1998		4/7/1999										
24498	SR138514	SSG	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	2/4/1982		9/24/1998		3/19/1999										
24499	SR138515	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	2/16/1982	7/21/2004	8/24/1998	7/21/2004	2/16/1999										
24500	SR138516	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	2/16/1982		8/24/1998		2/16/1999										
24501	SR138525	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	2/16/1982	7/31/2004	8/18/1998	7/31/2004	2/10/1999										
24502	SR138526	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	2/16/1982		8/24/1998		2/16/1999										
24503	SR138527	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	V&P Vent	0	2/16/1982	2/16/1982	8/13/1998	11/16/2006	2/5/1999										
24504	SR138530	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediation	0	2/16/1982	12/3/2009	8/13/1998	12/3/2009	2/5/1999										
24505	SR138530A	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	12/3/2009		12/3/2009		5/28/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24506	SR138540	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/2/1982		10/19/1998		4/13/1999										
24507	SR138541	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/2/1982	7/13/2004	10/19/1998	7/13/2004	4/13/1999										
24508	SR138548	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/4/1982	2/17/2006	10/15/1998	2/17/2006	4/9/1999										
24509	SR138549	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/4/1982		10/19/1998		4/13/1999										
24510	SR138559	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/16/1982		10/12/1998		4/6/1999										
24511	SR138560	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/16/1982	7/16/2004	10/1/1998	7/16/2004	3/26/1999										
24512	SR138561	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/16/1982		10/1/1998		3/26/1999										
24513	SR138562	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/16/1982		9/18/1998		3/23/1999										
24514	SR138563	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/18/1982	7/30/2004	10/12/1998	7/30/2004	4/6/1999										
24515	SR138564	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/18/1982	7/12/2004	10/8/1998	7/12/2004	4/2/1999										
24516	SR138567	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	3/18/1982		9/22/1998		3/17/1999										
24517	SR138573	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/25/1982	7/30/2004	8/25/1998	7/30/2004	2/17/1999										
24518	SR138572	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/25/1982	11/10/2005	8/5/1998	11/10/2005	1/28/1999										
24519	SR138573	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/25/1982	10/12/2006	8/25/1998	10/12/2006	2/17/1999										
24520	SR138573A	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1		10/12/2006		10/12/2006											
24521	SR138576	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/25/1982	7/4/2004	8/6/1998	7/4/2004	1/29/1999										
24522	SR138577	SSG	EMPLACED_CNTR	3/19/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	3/25/1982	7/13/2004	8/14/1998	7/13/2004	2/16/1999										
24523	SR138585	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/1/1982	7/28/2004	9/10/1998	7/28/2004	3/5/1999										
24524	SR138586	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	4/1/1982		8/24/1998		2/16/1999										
24525	SR138587	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/1/1982	5/3/2006	8/6/1998	5/3/2006	1/29/1999										
24526	SR138588	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	4/1/1982		8/25/1998		2/17/1999										
24527	SR138589	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/1/1982	12/14/2005	8/24/1998	12/14/2005	2/16/1999										
24528	SR138590	SSG	EMPLACED_CNTR	2/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/13/1982	7/8/2004	7/23/1998	7/8/2004	1/15/1999										
24529	SR138598	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400	Remediate	1	4/13/1982	7/6/2004	7/23/1998	7/6/2004	1/15/1999										
24530	SR138599	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	4/13/1982		7/23/1998		1/15/1999										
24531	SR138600	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-235F-HET	SS400		0	4/13/1982		7/27/1998		1/19/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24532	SR138601	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/13/1982	12/17/2005	7/30/1998	12/17/2005	1/22/1999										
24533	SR138602	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/13/1982	7/9/2004	7/23/1998	7/9/2004	1/15/1999										
24534	SR138605	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/3/1981		9/30/1998		3/25/1999										
24535	SR138606	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/3/1981	7/23/2004	9/30/1998	7/23/2004	3/25/1999										
24536	SR138607	55G	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/3/1981	10/15/2006	9/30/1998	10/15/2006	3/25/1999										
24537	SR138608	55G	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/3/1981	6/25/2005	10/7/1998	6/25/2005	4/1/1999										
24538	SR138609	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/3/1981		9/29/1998		3/24/1999										
24539	SR138610	55G	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/3/1981	10/4/2006	9/30/1998	10/4/2006	3/25/1999										
24540	SR138619	55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	5/17/2006	9/28/1998	5/17/2006	3/23/1999										
24541	SR138621	55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	10/21/2006	10/15/1998	10/21/2006	4/9/1999										
24542	SR138621A	55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		10/21/2006		10/21/2006											
24543	SR138625	55G	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	12/3/1981		9/29/1998		3/24/1999										
24544	SR138626	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/3/1981	7/22/2004	9/29/1998	7/22/2004	3/24/1999										
24545	SR138627	55G	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/3/1981	7/23/2004	9/30/1998	7/23/2004	3/25/1999										
24546	SR138628	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/3/1981	7/31/2004	9/30/1998	7/31/2004	3/25/1999										
24547	SR138632	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	12/8/1981		9/28/1998		3/23/1999										
24548	SR138633	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/8/1981	7/16/2004	9/29/1998	7/16/2004	3/24/1999										
24549	SR138639	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/10/1981	7/29/2004	9/29/1998	7/29/2004	3/24/1999										
24550	SR138649	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/22/1981	8/1/2004	9/30/1998	8/1/2004	3/25/1999										
24551	SR138651	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/22/1981	7/25/2004	9/29/1998	7/25/2004	3/24/1999										
24552	SR138656	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/5/1982	7/19/2004	10/16/1998	7/19/2004	4/10/1999										
24553	SR138660	55G	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/5/1982	7/16/2004	10/16/1998	7/16/2004	4/10/1999										
24554	SR138665	55G	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/12/1982		8/17/1998		2/9/1999										
24555	SR138666	55G	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/12/1982		8/12/1998		2/4/1999										
24556	SR138667	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/12/1982	2/8/2006	8/18/1998	2/8/2006	2/10/1999										
24557	SR138668	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/12/1982	7/9/2004	9/3/1998	7/9/2004	2/26/1999										
24558	SR138669	55G	EMPLACED_CNTR	4/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/12/1982		8/18/1998		2/10/1999										
24559	SR138670	55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/14/1982	5/22/2005	10/1/1998	5/22/2005	3/26/1999										
24560	SR138671	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/14/1982		10/13/1998		4/7/1999										
24561	SR138672	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/14/1982		10/1/1998		3/26/1999										
24562	SR138673	55G	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/14/1982		10/19/1998		4/13/1999										
24563	SR138674	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/19/1982	7/15/2004	8/18/1998	7/15/2004	2/10/1999										
24564	SR138686	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/19/1981	7/31/2004	10/8/1998	7/31/2004	4/2/1999										
24565	SR138687	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	7/11/2004	10/7/1998	7/11/2004	4/1/1999										
24566	SR138687A	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		7/11/2004		7/11/2004											
24567	SR138688	55G	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/24/1981		10/1/1998		3/26/1999										
24568	SR138689	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	7/5/2004	9/28/1998	7/5/2004	3/23/1999										
24569	SR138689A	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		7/5/2004		7/5/2004											
24570	SR138690	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	7/25/2004	10/5/1998	7/25/2004	3/30/1999										
24571	SR138692	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/24/1981	1/24/2006	10/15/1998	1/24/2006	4/9/1999										
24572	SR140407	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/8/1981	7/22/2004	9/24/1998	7/22/2004	3/19/1999										
24573	SR140408	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/8/1981	7/13/2004	8/5/1998	7/13/2004	1/28/1999										
24574	SR140409	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/8/1981	7/12/2004	9/23/1998	7/12/2004	3/18/1999										
24575	SR140421	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/21/1982	7/22/2004	8/19/1998	7/22/2004	2/11/1999										
24576	SR140424	55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/26/1982	6/1/2005	9/9/1998	6/1/2005	3/4/1999										
24577	SR140428	85G	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/8/1981		11/18/1998		5/13/1999										
24578	SR140432	55G	EMPLACED_CNTR	3/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/10/1981	7/9/2004	9/24/1998	7/9/2004	3/19/1999										
24579	SR140439	55G	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/22/1981		8/19/1998		2/11/1999										
24580	SR140442	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/22/1981		9/17/1998		3/12/1999										
24581	SR140443	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/22/1981	7/7/2004	8/17/1998	7/7/2004	2/9/1999										
24582	SR140466	55G	EMPLACED_CNTR	3/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/20/1981	8/1/2004	10/5/1998	8/1/2004	3/30/1999										
24583	SR140467	55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/20/1981	5/18/2006	10/6/1998	5/18/2006	3/31/1999										
24584	SR140467A	55G	EMPLACED_CNTR	1/16/2013 15:01	3/8/2012 15:28	mccabed	SR-W027-235F-HET	S5400			5/18/2006	2/29/2012	5/18/2006	2/29/2012		Container was previously assigned SWD061349. 221-F-S5006 Tru Drum Repacking		TRUE	FALSE	TRUE					
24585	SR140468	55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/20/1981	9/26/2006	10/6/1998	9/26/2006	3/31/1999										
24586	SR140474	55G	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/3/2004	10/1/1998	7/3/2004	3/26/1999										
24587	SR140475	55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	8/1/2004	10/7/1998	8/1/2004	4/1/1999										
24588	SR140476	55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/16/2004	9/30/1998	7/16/2004	3/25/1999										
24589	SR140477	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/5/2004	9/30/1998	7/5/2004	3/25/1999										
24590	SR140478	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/29/1981		9/30/1998		3/25/1999										
24591	SR140479	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/22/2004	10/1/1998	7/22/2004	3/26/1999										
24592	SR140480	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/18/2004	10/15/1998	7/18/2004	4/9/1999										
24593	SR140481	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/29/1981	7/17/2004	10/1/1998	7/17/2004	3/26/1999										
24594	SR140482	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	2/12/2006	8/24/1998	2/12/2006	2/16/1999										
24595	SR140483	55G	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	1/10/2008	8/19/1998	1/10/2008	2/11/1999										
24596	SR140484	55G	EMPLACED_CNTR	2/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/13/1981		8/18/1998		2/10/1999										
24597	SR140485	55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/13/1981		8/10/1998		2/2/1999										
24598	SR140487	85G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	3/6/2007	11/30/1998	3/6/2007	5/25/1999										
24599	SR140489	55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	7/12/2004	8/18/1998	7/12/2004	2/10/1999										
24600	SR140490	55G	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	2/13/2006	8/19/1998	2/13/2006	2/11/1999										
24601	SR140491	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/13/1981		8/12/1998		2/4/1999										
24602	SR140493	55G	EMPLACED_CNTR	6/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/13/1981	1/10/2008	9/9/1998	1/10/2008	3/4/1999										
24603	SR146251	55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		6/25/1997		12/18/1997										
24604	SR146252	55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/31/1984	7/31/2004	7/23/1997	7/31/2004	1/15/1998										
24605	SR146254	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		7/23/1997		1/15/1998										
24606	SR146255	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		7/22/1997		1/14/1998										
24607	SR146256	55G	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		7/22/1997		1/14/1998										
24608	SR147009	55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/4/1983	7/6/2006	7/30/1998	7/6/2006	1/22/1999										
24609	SR147010	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/4/1983	1/23/2006	7/14/1998	1/23/2006	1/6/1999										
24610	SR147012	55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/4/1983	7/30/2004	8/12/1998	7/30/2004	2/4/1999										
24611	SR147032	55G	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/22/1983		4/7/1998		9/30/1998										
24612	SR147034	55G	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/6/1983		5/26/1998		11/18/1998										
24613	SR147035	55G	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/26/1983	9/8/2006	5/11/1998	9/8/2006	11/3/1998										
24614	SR147036	55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/26/1983		5/11/1998		11/3/1998										
24615	SR147047	55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/20/1983	11/9/2006	8/6/1997	11/9/2006	1/29/1998										
24616	SR147048	55G	PRESUB_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	0	11/10/1983	4/8/2010	4/22/1998	4/8/2010	10/15/1998			TRUE	TRUE	TRUE					
24617	SR147048A	55G	EMPLACED_CNTR	4/21/2011 18:22	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	S5400		0	4/8/2010		4/8/2010		10/1/2010			TRUE	TRUE	TRUE					
24618	SR147072	55G	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	12/20/1983	12/20/1983	8/4/1997	7/22/2006	1/27/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24619	SR147073		55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/20/1983	7/23/2004	8/5/1997	7/22/2004	1/28/1998										
24620	SR147075		55G	PRESUR_CERT		1/23/2012 17:40	mccabed	SR-W027-235F-HET	S5400	Remediate	0	1/17/1984	1/12/2012	8/7/1997	1/13/2012											
24621	SR147075A		55G	EMPLACED_CNTR	10/6/2011 19:45	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	S5400		0	1/14/2011		1/14/2011		7/9/2011		TRUE	TRUE	TRUE						
24622	SR147083		55G	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/13/1984	10/28/2006	8/11/1997	10/28/2006	2/3/1998		TRUE	TRUE	TRUE						
24623	SR147084		55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/13/1984		8/11/1997		2/3/1998										
24624	SR147085		55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/13/1984		8/5/1997		1/28/1998										
24625	SR147086A		55G	EMPLACED_CNTR	12/7/2012 13:31	10/6/2011 14:53	mccabed	SR-W027-235F-HET	S5400	None		10/5/2011		10/5/2011			- Rpkgd into SR147086	TRUE	TRUE	TRUE	NA		SR147086		Daughter
24626	SR147086B		55G	EMPLACED_CNTR	12/7/2012 13:31	5/22/2012 13:24	mccabed	SR-W027-235F-HET	S5400	None		10/5/2011		10/5/2011			- Rpkgd was SR147086	TRUE	TRUE	TRUE	NA		SR147086		Daughter
24627	SR147090		55G	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/13/1984	5/26/2005	8/6/1997	5/26/2005	1/29/1998										
24628	SR147102		55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/27/1984		8/14/1997		2/6/1998										
24629	SR147117		55G	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/26/1984	10/4/2006	7/8/1997	10/4/2006	12/31/1997										
24630	SR147118		55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/31/1984		7/21/1997		1/13/1998										
24631	SR147119		55G	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/31/1984	12/28/2006	7/24/1997	12/28/2006	1/16/1998										
24632	SR147120		55G	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/31/1984		7/21/1997		1/13/1998										
24633	SR147224		55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		6/24/1997		12/17/1997										
24634	SR147225		55G	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		7/23/1997		1/15/1998										
24635	SR147226		55G	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/31/1984	10/14/2006	8/14/1997	10/14/2006	2/6/1998										
24636	SR147227		55G	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/31/1984		6/24/1997		12/17/1997										
24637	SR151832		55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/15/1983	7/3/2004	8/10/1998	7/3/2004	2/2/1999										
24638	SR151833		55G	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/15/1983	7/23/2004	7/14/1998	7/23/2004	1/6/1999										
24639	SR151843		55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/24/1983		9/14/1996		3/9/1999										
24640	SR151844		55G	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/24/1983	2/26/2007	8/10/1998	2/26/2007	2/2/1999										
24641	SR151844A		55G	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/26/2007		2/26/2007												
24642	SR151872		55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	6/9/1983		9/22/1998		3/17/1999										
24643	SR151874		55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1983	7/30/2004	7/30/1998	7/30/2004	1/22/1999										
24644	SR151874A		55G	EMPLACED_CNTR	9/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		7/30/2004		7/30/2004											
24645	SR151876		55G	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1983	5/17/2006	9/1/1998	5/17/2006	2/24/1999										
24646	SR151880		55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	6/9/1983		7/22/1998		1/14/1999										
24647	SR151881		55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1983	7/25/2004	7/14/1998	7/25/2004	1/6/1999										
24648	SR151882		55G	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1983	7/31/2004	7/29/1998	7/31/2004	1/21/1999										
24649	SR151904		55G	EMPLACED_CNTR	3/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/10/1983	7/23/2004	7/16/1998	7/23/2004	1/8/1999										
24650	SR151930		55G	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/29/1983	7/31/2004	7/16/1998	7/31/2004	1/8/1999										
24651	SR240097		55G	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/3/1990		7/3/1990		12/26/1990										
24652	SR240250		55G	EMPLACED_CNTR	10/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/13/1990		2/13/1990		8/8/1990										
24653	SR501101		55G	EMPLACED_CNTR	5/21/2011 12:48	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	0		3/23/2010		3/23/2010		WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE						
24654	SR501101A		55G	EMPLACED_CNTR	2/24/2011 18:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	S5400		0	3/23/2010		3/23/2010		9/15/2010										
24655	SR501102		55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		10/25/1974		3/9/2004											
24656	SR501103		55G	EMPLACED_CNTR	4/15/2010 22:26	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	2/7/1975	2/7/1975		5/29/2008											
24657	SR501104		55G	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/28/1974	5/31/2005	3/17/1999	5/31/2005	9/9/1999										
24658	SR501105		55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/25/1974		5/12/1999		11/4/1999										
24659	SR501107		55G	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/17/1975	7/23/2007		7/23/2007											
24660	SR501108		55G	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/6/1975	11/19/2006	4/5/1999	11/19/2006	9/28/1999										
24661	SR501109		55G	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		7/11/2007		7/11/2007											
24662	SR501109A		55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/11/2007		7/11/2007		1/3/2008										
24663	SR501111		55G	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/6/1974	9/13/2007		9/13/2007											
24664	SR501113		55G	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/21/1974	9/12/2007		9/12/2007											
24665	SR501113A		55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/13/2007		9/12/2007		3/6/2008										
24666	SR501114		55G	EMPLACED_CNTR	10/6/2011 19:45	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	11/21/1974	11/21/1974		5/1/2007			TRUE	TRUE	TRUE						
24667	SR501115		55G	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		10/6/2006		10/6/2006											
24668	SR501116		55G	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/10/1975	7/11/2007		7/11/2007											
24669	SR501204		55G	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	9/5/1974	9/5/1974	1/27/2000	12/19/2003	7/21/2000										
24670	SR501314		55G	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/6/1975	7/16/2008		7/16/2008											
24671	SR501315		55G	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/27/1975	10/18/2007		10/18/2007											
24672	SR501315A		55G	EMPLACED_CNTR	1/17/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/18/2007		10/18/2007		4/11/2008										
24673	SR501316		55G	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	4/11/1975	4/11/1975		3/29/2007											
24674	SR501317		55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/22/1975	3/6/2007	3/4/1999	3/6/2007	8/27/1999										
24675	SR501318		55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/17/1975		4/6/1999		9/29/1999										
24676	SR501319		55G	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/17/1975	3/7/2008		3/7/2008											
24677	SR501321		55G	EMPLACED_CNTR	4/8/2010 20:38	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/17/1975	12/25/2006		12/25/2006											
24678	SR502007		55G	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/29/1976	4/10/2006	11/17/1999	4/10/2006	5/11/2000										
24679	SR502009		55G	EMPLACED_CNTR	8/21/2009 9:53	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/4/1976	3/27/2008		3/27/2008											
24680	SR502009A		55G	EMPLACED_CNTR	5/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/27/2008		3/27/2008		9/19/2008										
24681	SR502010		55G	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/25/1976	3/25/1976		2/10/2007											
24682	SR502011		55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/22/1976	7/18/2008		7/18/2008											
24683	SR502011A		55G	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/13/2008		2/13/2008		8/7/2008										
24684	SR502012		55G	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/10/1976	6/29/2005	2/23/1999	6/29/2005	8/18/1999										
24685	SR502013		55G	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/10/1976	6/4/2005	11/1/1999	6/4/2005	4/25/2000										
24686	SR502014		55G	EMPLACED_CNTR	11/12/2009 23:11	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	7/15/1976	7/15/1976		11/22/2006											
24687	SR502015		55G	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/15/1976		3/9/1999		9/1/1999										
24688	SR502016		55G	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/30/1976	2/16/2008		2/16/2008											
24689	SR502017		55G	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/30/1976	2/25/2008		2/25/2008											
24690	SR502018		55G	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/24/1977		6/9/1999		12/2/1999										
24691	SR502020		55G	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/29/1977	3/29/1977		5/8/2007		WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE						
24692	SR502022		55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/1/1977	4/29/2008		4/29/2008											
24693	SR502022A		55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	4/29/2008		4/29/2008		10/22/2008										
24694	SR502023		55G	EMPLACED_CNTR	9/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/1/1977	4/17/2008		4/17/2008											
24695	SR502024		55G	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		1/31/1978		3/9/2005											
24696	SR502025		55G	APPROVED_CERT		4/25/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/22/1977	6/28/2005	11/8/1999	6/28/2005	5/2/2000			TRUE	TRUE	TRUE					
24697	SR502029		55G	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/1/1975	3/4/2006	11/1/1999	3/4/2006	4/25/2000										
24698	SR502029A		55G	APPROVED_CERT		2/21/2012 13:19	mccabed	SR-W027-235F-HET	S5400	None		3/4/2006		3/4/2006			SWD061083 re-named and WS reassigned from SR-SWMF-HET-A	TRUE	FALSE	TRUE					
24699	SR502030		55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	4/11/1975	4/11/1975		4/1/2007											
24700	SR502031		55G	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/18/1978	6/9/2005	5/18/1999	6/9/2005	11/11/1999										
24701	SR502032		55G	EMPLACED_CNTR	6/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/1/1975	3/27/2008		3/27/2008											
24702	SR502035		55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/6/1975		3/22/1999		9/14/1999										
24703	SR502036		55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/26/1975		3/15/1999		9/7/1999										
24704	SR502039		55G	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/18/1978		11/3/1999		4/27/2000										
24705	SR502917		55G	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/20/1974	10/15/2007		10/15/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24706	SR502917A	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/15/2007		10/15/2007		4/8/2008			TRUE	TRUE	TRUE					
24707	SR502923	SSG	EMPLACED_CNTR	8/21/2010 9:53	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/17/1974	7/21/2008		7/21/2008											
24708	SR502926	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	0	5/2/1974	4/24/2010		4/24/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24709	SR502936A	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-235F-HET	S5400		0	4/24/2010		4/24/2010		10/17/2010										
24710	SR503025	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		7/30/1974		12/30/2003											
24711	SR503026	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	7/30/1974	7/30/1974	1/25/2000	12/19/2003	7/19/2000										
24712	SR503027	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		7/30/1974		1/3/2004											
24713	SR503028	SSG	EMPLACED_CNTR	5/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/30/1974	7/10/2008		7/10/2008											
24714	SR504202	SSG	EMPLACED_CNTR	3/22/2012 14:58	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/24/1975	3/17/2008		3/17/2008				TRUE	TRUE	TRUE					
24715	SR504202A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/17/2008		3/17/2008		9/9/2008										
24716	SR504217	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		6/19/1975		3/9/2004											
24717	SR504218	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		6/19/1975		3/8/2004											
24718	SR504219	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	6/19/1975		3/4/1999		8/27/1999										
24719	SR504220	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/13/1975	9/20/2007		9/20/2007											
24720	SR504226	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/21/1975	5/23/2005	3/16/1999	5/23/2005	9/8/1999										
24721	SR504228	SSG	EMPLACED_CNTR	8/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/21/1975	6/27/2007		6/27/2007											
24722	SR504229	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/21/1975	10/19/2007		10/19/2007											
24723	SR504232	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/28/1975	6/26/2005	3/18/1999	6/26/2005	9/10/1999										
24724	SR506405	SSG	EMPLACED_CNTR	10/18/2010 22:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/26/1978		11/4/1999		4/28/2000										
24725	SR506408	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		1/31/1978		3/20/2005											
24726	SR506609	SSG	EMPLACED_CNTR	1/17/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/18/1978	4/2/2008		4/2/2008											
24727	SR506610	SSG	EMPLACED_CNTR	11/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/23/1978		11/2/1999		4/26/2000										
24728	SR506701	SSG	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/30/1978	2/21/2008		2/21/2008											
24729	SR506701A	SSG	EMPLACED_CNTR	1/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/21/2008		2/21/2008		8/15/2008										
24730	SR506702	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		5/30/1978		5/12/2005											
24731	SR506703	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/30/1978		5/24/1999		11/16/1999										
24732	SR506704	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/6/1978	10/25/2007		10/25/2007											
24733	SR506704A	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/25/2007		10/25/2007		4/18/2008										
24734	SR506705	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	6/6/1978	6/6/1978		1/24/2007											
24735	SR506706	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/6/1978	6/6/1978		1/23/2007											
24736	SR506707	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/6/1978	6/6/1978		1/24/2007											
24737	SR506708	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/6/1978	6/6/1978		1/24/2007											
24738	SR506709	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/6/1978	6/6/1978		1/23/2007											
24739	SR506710	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/6/1978	6/6/1978		1/23/2007											
24740	SR506711	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/6/1978	3/21/2007		3/21/2007											
24741	SR506712	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/6/1978	4/3/2007		4/3/2007											
24742	SR506717	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/28/1978	6/13/2005	5/4/1999	6/13/2005	10/27/1999										
24743	SR506718	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		7/6/1978		2/12/2005											
24744	SR506719	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	7/6/1978	7/6/1978		6/7/2007											
24745	SR506720	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/3/1978	2/5/2008		2/5/2008											
24746	SR506721	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/3/1978	9/10/2007		9/10/2007											
24747	SR506722	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/3/1978	10/3/2007		10/3/2007											
24748	SR506723	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/3/1978	8/5/2006	4/22/1999	8/5/2006	10/15/1999										
24749	SR506724	SSG			12/13/2012 11:18	mcoabed	SR-W027-235F-HET	S5400		0	9/28/1978		11/8/1999	12/3/2012		SWIS.3-SOP-V&P 01 (NF307D5)		TRUE	TRUE	TRUE					
24750	SR506725	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	11/14/1978	11/14/1978		12/20/2007											
24751	SR506726	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	11/14/1978	11/14/1978		12/20/2007											
24752	SR506728	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/14/1978	4/15/2008		4/15/2008											
24753	SR506729	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/14/1978	12/17/2005	11/3/1999	12/17/2005	4/27/2000										
24754	SR506731	SSG	EMPLACED_CNTR	4/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/5/1978	10/23/2007		10/23/2007											
24755	SR506731A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/22/2007		10/22/2007		4/15/2008										
24756	SR506732	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/5/1978	1/26/2008		1/26/2008											
24757	SR506732A	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/26/2008		1/26/2008		7/20/2008										
24758	SR506733	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/5/1978	1/23/2008		1/23/2008											
24759	SR506733A	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/23/2008		1/23/2008		7/17/2008										
24760	SR506734	SSG	EMPLACED_CNTR	8/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	12/5/1978	12/5/1978		7/30/2006											
24761	SR506735	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	12/5/1978	3/14/2007		3/14/2007											
24762	SR506736	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	12/5/1978	12/5/1978		7/10/2006											
24763	SR506737	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/2/1979	5/21/2007		5/21/2007											
24764	SR506738	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	1/2/1979	1/2/1979		1/3/2007											
24765	SR506739	SSG	EMPLACED_CNTR	1/4/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/2/1979	6/14/2007		6/14/2007											
24766	SR506740	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/2/1979	5/21/2007		5/21/2007											
24767	SR506742	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/2/1979	10/4/2007		10/4/2007											
24768	SR506743	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	1/23/1979	1/23/1979		10/27/2007											
24769	SR506744	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	11/12/2007		11/12/2007											
24770	SR506745	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	11/28/2007		11/28/2007											
24771	SR506746	SSG	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	2/20/2008		2/20/2008											
24772	SR506747	SSG	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	1/23/1979	1/23/1979		3/20/2008											
24773	SR506748	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	5/29/2008		5/29/2008											
24774	SR506749	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	11/27/2007		11/27/2007											
24775	SR506750	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/23/1979	3/13/2008		3/13/2008											
24776	SR506751	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	1/23/1979	1/23/1979		5/26/2005											
24777	SR506752	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/23/1979		11/4/1999		4/28/2000										
24778	SR506753	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/22/1979		11/4/1999		4/28/2000										
24779	SR506754	SSG	EMPLACED_CNTR	10/14/2011 22:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/22/1979	7/1/2008		7/1/2008				TRUE	TRUE	TRUE					
24780	SR506756	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/22/1979	2/23/2008		2/23/2008											
24781	SR506756A	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/23/2008		2/23/2008		8/17/2008										
24782	SR506757	SSG	PRESUB_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/22/1979	7/1/2008		7/1/2008				TRUE	TRUE	TRUE					
24783	SR506758	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/22/1979	11/28/2007		11/28/2007											
24784	SR506758A	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	11/28/2007		11/28/2007		5/22/2008										
24785	SR506759	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	2/22/1979	2/22/1979		6/11/2007											
24786	SR506760	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/22/1979	4/9/2008		4/9/2008											
24787	SR506760A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	4/9/2008		4/9/2008		10/2/2008										
24788	SR506761	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/6/1979	11/29/2007		11/29/2007											
24789	SR506762	SSG	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/6/1979	3/25/2008		3/25/2008											
24790	SR506762A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/25/2008		3/25/2008		9/17/2008										
24791	SR506763	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/6/1979	5/21/2008		5/21/2008											
24792	SR506764	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/6/1979	4/7/2008		4/7/2008											
24793	SR506764A	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	4/7/2008		4/7/2008		9/30/2008										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24794	SR506765	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/6/1979	7/14/2008		7/14/2008											
24795	SR506766	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	3/6/1979		7/13/1999		1/5/2000										
24796	SR506772	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/27/1979	2/26/2008		2/26/2008											
24797	SR506772A	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	2/26/2008		2/26/2008		8/20/2008										
24798	SR506773	SSG	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	3/27/1979		11/4/1999		4/28/2000										
24799	SR506774	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/27/1979	3/27/1979		3/25/2007											
24800	SR506775	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/27/1979	10/9/2007		10/9/2007											
24801	SR506776	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/27/1979	3/27/1979		3/25/2007											
24802	SR506778	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/27/1979	7/2/2007		7/2/2007											
24803	SR506779	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/27/1979	3/27/1979		3/25/2007											
24804	SR506780	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/12/1979	10/10/2007		10/10/2007											
24805	SR506780A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	10/10/2007		10/10/2007		4/3/2008										
24806	SR506781	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	4/12/1979	4/12/1979		3/24/2007											
24807	SR506782	SSG	EMPLACED_CNTR	4/15/2010 22:26	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/12/1979	6/30/2008		6/30/2008											
24808	SR506782A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	6/30/2008		6/30/2008		12/13/2008										
24809	SR506793	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/19/1979	11/8/2007		11/8/2007											
24810	SR506794	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/19/1979	12/1/2007		12/1/2007											
24811	SR510307	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1		4/1/2006		4/1/2006											
24812	SR510308	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1		1/11/2008		1/11/2008											
24813	SR510309	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		7/17/1980		1/11/2004											
24814	SR510310	SSG	EMPLACED_CNTR	3/29/2010 23:45	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/26/1980	6/26/1980		2/5/2007											
24815	SR510312	SSG	PRESUB CERT		4/28/2011 6:00	mccabed	SR-W027-235F-HET	S5400	Remediation	0	6/26/1980	3/5/2011		3/5/2011											
24816	SR510312A	SSG	EMPLACED_CNTR	10/6/2011 19:45	4/28/2011 6:00	mccabed	SR-W027-235F-HET	S5400			6/26/1980	3/5/2011		3/5/2011			Rplcd into SR510312B	TRUE	TRUE	TRUE					
24817	SR510313	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		6/26/1980		4/6/2005			- SR510312						SR510312		Daughter
24818	SR510314	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	6/26/1980		4/30/1998		10/23/1998										
24819	SR510315	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/30/1980	5/24/2007		5/24/2007											
24820	SR510316	SSG	EMPLACED_CNTR	4/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/30/1980	3/24/2008		3/24/2008											
24821	SR510316A	SSG	EMPLACED_CNTR	2/26/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	3/24/2008		3/14/2008		9/16/2008										
24822	SR510317	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	7/30/1980	7/30/1980		3/8/2007											
24823	SR510318	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1		6/5/2005		6/5/2005											
24824	SR510319	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	7/31/1980		5/13/1998		11/5/1998										
24825	SR510320	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	7/31/1980		5/13/1998		11/5/1998										
24826	SR510321	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/30/1980	3/24/2008		3/24/2008											
24827	SR510322	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	7/30/1980	7/30/1980		3/8/2007											
24828	SR510323	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	7/30/1980	7/30/1980		3/7/2007											
24829	SR510324	SSG	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0				3/17/2004											
24830	SR510325	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		8/5/1980		3/16/2004											
24831	SR510326	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/5/1980			7/7/2007											
24832	SR510327	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/12/1980	10/26/2007		10/26/2007											
24833	SR510328	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/12/1980	8/12/1980		3/22/2007											
24834	SR510329	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/12/1980	8/12/1980		4/14/2007											
24835	SR510330	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/12/1980	7/26/2007		7/26/2007											
24836	SR510331	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/12/1980	8/12/1980		3/21/2007											
24837	SR510332	SSG	EMPLACED_CNTR	8/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/12/1980	3/24/2008		3/24/2008											
24838	SR510332A	SSG	EMPLACED_CNTR	11/16/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	3/24/2008		3/14/2008		9/16/2008										
24839	SR510333	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/12/1980	6/29/2007		6/29/2007											
24840	SR510334	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/12/1980	8/12/1980		3/24/2007											
24841	SR510335	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/12/1980	8/12/1980	5/18/1998	9/19/2007	11/10/1998										
24842	SR510336	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/14/1980	8/14/1980		4/14/2007											
24843	SR510337	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/14/1980	8/14/1980		3/21/2007											
24844	SR510338	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/14/1980	10/29/2007		10/29/2007											
24845	SR510338A	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	7/27/2007		7/27/2007		1/19/2008										
24846	SR510339	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/21/1980	10/19/2007		10/19/2007											
24847	SR510340	SSG	EMPLACED_CNTR	4/19/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	8/21/1980	8/21/1980		4/2/2007											
24848	SR510342	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	8/21/1980		5/5/1998		10/28/1998										
24849	SR510343	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/21/1980	11/17/2006	4/28/1998	11/17/2006	10/21/1998										
24850	SR510344	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/2/1980	9/2/1980		3/7/2007											
24851	SR510345	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	9/2/1980		4/29/1998		10/22/1998										
24852	SR510346	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0		9/16/1980		5/12/2004											
24853	SR510347	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/2/1980	9/2/1980		3/7/2007											
24854	SR510348	SSG	EMPLACED_CNTR	3/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1		8/3/2006		8/3/2006											
24855	SR510350	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	9/16/1980		5/20/1998		11/12/1998										
24856	SR510351	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/16/1980	12/1/2007		12/1/2007											
24857	SR510352	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/16/1980	9/16/1980		5/18/2007											
24858	SR510353	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/16/1980	7/26/2007		7/26/2007											
24859	SR510354	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/16/1980	9/16/1980		11/22/2007											
24860	SR510355	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/23/1980	9/23/1980		9/22/2007											
24861	SR510356	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	9/23/1980	9/23/1980		9/22/2007											
24862	SR510357	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/23/1980	6/25/2005	10/21/1997	6/25/2005	4/15/1998										
24863	SR510358	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/30/1980	8/3/2007		8/1/2007											
24864	SR510359	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/30/1980	2/25/2008		2/25/2008											
24865	SR510360	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	10/7/1980	10/7/1980		4/10/2007											
24866	SR510361	SSG	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/14/1980	12/27/2007		12/27/2007											
24867	SR510361A	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	12/27/2007		12/27/2007		6/20/2008										
24868	SR510362	SSG	EMPLACED_CNTR	2/23/2011 21:45	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/14/1980	8/15/2007		8/15/2007											
24869	SR510363	SSG	EMPLACED_CNTR	4/8/2010 20:38	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	10/21/1980	10/21/1980		8/29/2007											
24870	SR510364	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/21/1980	11/8/2007		11/8/2007											
24871	SR510365	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	10/21/1980	1/28/2008		1/28/2008											
24872	SR510365A	SSG	EMPLACED_CNTR	7/9/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	1/28/2008		1/28/2008		7/22/2008										
24873	SR510366	SSG	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	10/21/1980		5/20/1998		11/12/1998										
24874	SR510367	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	11/4/1980	11/4/1980		8/30/2007											
24875	SR510368	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	11/4/1980		10/13/1997		4/7/1998										
24876	SR510369	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/4/1980	2/15/2008		2/15/2008											
24877	SR510370	SSG			4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	11/4/1980														
24878	SR510372	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	Remediate	1	11/4/1980	4/2/2008		4/1/2008				TRUE	TRUE	TRUE					
24879	SR510372A	SSG	EMPLACED_CNTR	1/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400		0	4/2/2008		4/2/2008		9/15/2008										
24880	SR510373	SSG	EMPLACED_CNTR	4/19/2010 19:07	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	11/4/1980	11/4/1980		8/30/2007											
24881	SR510374	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	11/4/1980	11/4/1980		8/31/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24882	SR510378	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	11/6/1980	11/6/1980		5/18/2007											
24883	SR510379	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	11/6/1980	3/26/2008		3/26/2008											
24884	SR510380	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	11/6/1980	1/16/2008		1/16/2008											
24885	SR510387	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0		11/11/1980		12/15/2003											
24886	SR510388	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0		11/11/1980		12/10/2003											
24887	SR510389	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	11/11/1980			12/2003											
24888	SR510390	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0		11/11/1980		12/11/2003											
24889	SR510391	SSG	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0		11/11/1980		12/10/2003											
24890	SR510392	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	11/25/1980							TRUE	TRUE	TRUE					
24891	SR510394	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	11/25/1980							TRUE	TRUE	TRUE					
24892	SR510395	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	12/4/1980							TRUE	TRUE	TRUE					
24893	SR510396	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	12/4/1980							TRUE	TRUE	TRUE					
24894	SR510399	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	12/4/1980							TRUE	TRUE	TRUE					
24895	SR511202	SSG	EMPLACED_CNTR	9/7/2010 18:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/2/1979	3/20/2008		3/20/2008											
24896	SR511202A	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	3/20/2008		3/20/2008		9/12/2008											
24897	SR511203	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/15/1979	5/15/1979		1/25/2007											
24898	SR511204	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/15/1979	5/15/2008		5/15/2008											
24899	SR511205	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/15/1979	5/15/1979		1/25/2007											
24900	SR511206	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/15/1979	9/6/2006	11/4/1999	9/6/2006	4/28/2000											
24901	SR511208	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/24/1979	5/23/2007		5/23/2007											
24902	SR511209	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/24/1979	5/24/1979		1/8/2007											
24903	SR511210	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	5/24/1979		10/27/1999		4/20/2000											
24904	SR511211	SSG	EMPLACED_CNTR	8/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/24/1979	8/19/2008		8/19/2008											
24905	SR511211A	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	8/19/2008		8/19/2008		2/11/2009											
24906	SR511212	SSG	EMPLACED_CNTR	11/15/2009 11:05	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/24/1979	5/24/1979		1/8/2007											
24907	SR511213	SSG	EMPLACED_CNTR	4/13/2010 18:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/24/1979	5/24/1979		11/23/2007											
24908	SR511214	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/24/1979	5/24/1979		5/31/2007											
24909	SR511215	SSG	EMPLACED_CNTR	10/18/2011 22:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/24/1979	4/1/2008		4/1/2008				TRUE	TRUE	TRUE					
24910	SR511215A	SSG	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	4/1/2008		4/1/2008		9/24/2008											
24911	SR511216	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	5/24/1979	5/24/1979		2/3/1007											
24912	SR511218	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	5/24/1979	9/19/2007		9/19/2007											
24913	SR511218A	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	9/19/2007		9/19/2007		3/13/2008											
24914	SR511219	SSG	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/5/1979	5/12/2008		5/12/2008											
24915	SR511220	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/5/1979	4/29/2008		4/29/2008											
24916	SR511220A	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	4/29/2008		4/29/2008		10/22/2008											
24917	SR511221	SSG	EMPLACED_CNTR	10/6/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/5/1979	4/23/2008		4/23/2008				TRUE	TRUE	TRUE					
24918	SR511222	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/12/1979	4/17/2007		4/17/2007											
24919	SR511223	SSG	EMPLACED_CNTR	5/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	6/12/1979	6/12/1979		1/27/2007											
24920	SR511224	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/12/1979	2/1/2008		2/1/2008											
24921	SR511224A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	2/1/2008	7/16/2008	2/1/2008	7/16/2008	7/26/2008											
24922	SR511225	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/12/1979	4/17/2007		4/17/2007											
24923	SR511226	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/21/1979	5/29/2008		5/29/2008				TRUE	TRUE	TRUE					
24924	SR511227	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/21/1979	5/6/2008		5/6/2008											
24925	SR511228	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	6/21/1979	2/22/2008		2/22/2008											
24926	SR511228A	SSG	EMPLACED_CNTR	4/30/2010 10:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	2/22/2008		2/22/2008		8/16/2008											
24927	SR511229	SSG	EMPLACED_CNTR	4/10/2010 10:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	6/25/2008		6/25/2008											
24928	SR511230	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	6/25/2008		6/25/2008											
24929	SR511231	SSG	EMPLACED_CNTR	3/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	7/9/2008		7/9/2008											
24930	SR511232	SSG	EMPLACED_CNTR	8/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	8/18/2008		8/18/2008											
24931	SR511232A	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	8/18/2008		8/18/2008		2/10/2009											
24932	SR511233	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	7/2/2008		7/2/2008											
24933	SR511234	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/12/1979	8/18/2008		8/18/2008											
24934	SR511235	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0		7/17/1979		2/23/2004											
24935	SR511236	SSG	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/17/1979	1/26/2008		1/26/2008											
24936	SR511236A	SSG	EMPLACED_CNTR	6/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	1/26/2008		1/26/2008		7/29/2008											
24937	SR511237	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	7/24/1979		11/3/1999		4/27/2000											
24938	SR511238	SSG	EMPLACED_CNTR	3/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	7/24/1979		10/18/1999		4/11/2000											
24939	SR511239	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	7/24/1979		8/19/1999		2/11/2000											
24940	SR511240	SSG	EMPLACED_CNTR	4/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	7/24/1979	11/7/2007		11/7/2007											
24941	SR511240A	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1		10/6/2006		10/6/2006											
24942	SR511241	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/2/1979	6/18/2007		6/18/2007											
24943	SR511242	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/2/1979	7/4/2005	8/4/1999	7/4/2005	1/27/2000											
24944	SR511243	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/2/1979	3/27/2008		3/27/2008											
24945	SR511244	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	8/2/1979	8/2/1979		3/14/2007											
24946	SR511245	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	8/2/1979		11/4/1999		4/28/2000											
24947	SR511246	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	8/28/1979	8/28/1979		4/24/2007											
24948	SR511247	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/28/1979	3/10/2008		3/10/2008											
24949	SR511247A	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	3/10/2008		3/10/2008		9/2/2008											
24950	SR511248	SSG	EMPLACED_CNTR	5/16/2011 10:12	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	8/28/1979	7/25/2007		7/25/2007				TRUE	TRUE	TRUE					
24951	SR511294	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	4/3/1980	4/25/2008		4/25/2008											
24952	SR511295	SSG	EMPLACED_CNTR	4/10/2010 18:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0	4/3/1980	4/3/1980		12/6/2007											
24953	SR511296	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0	4/3/1980	4/3/1980		6/15/2007											
24954	SR511297	SSG	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0	4/3/1980	4/3/1980		8/14/2005											
24955	SR511299	SSG	EMPLACED_CNTR	9/7/2010 18:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	4/3/1980	5/15/2008		5/15/2008											
24956	SR511300	SSG	EMPLACED_CNTR	4/15/2010 21:47	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0	4/3/1980	4/3/1980		3/23/2008											
24957	SR512046	SSG	EMPLACED_CNTR	11/21/2009 11:09	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	3/13/1980	5/12/2008		5/12/2008											
24958	SR512046A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	5/12/2008		5/12/2008		11/4/2008											
24959	SR512047	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	3/13/1980	3/13/1980		4/8/2007											
24960	SR512048	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0		3/13/1980		5/11/2004											
24961	SR512049	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	3/20/1980	11/27/2007		11/27/2007											
24962	SR512050	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1		1/4/2007		1/4/2007											
24963	SR512051	SSG	EMPLACED_CNTR	4/10/2010 18:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Purge	0	3/25/1980	3/25/1980		8/17/2005											
24964	SR512053	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	3/4/1980	4/15/2008		4/15/2008											
24965	SR512053A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	4/15/2008		4/15/2008		10/8/2008											
24966	SR512054	SSG	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	3/4/1980	3/4/1980		4/8/2007											
24967	SR512055	SSG	EMPLACED_CNTR	4/15/2010 21:47	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	V&P Vent	0	3/25/1980	3/25/1980		8/13/2005											
24968	SR512056	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400	Remediate	1	3/25/1980	12/31/2007		12/31/2007											
24969	SR512056A	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-NET	SS400		0	12/31/2007		12/31/2007		6/24/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
24970	SR512057	SSG	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	3/25/1980	3/25/1980		5/2/2007											
24971	SR512058	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		3/25/1980		5/12/2004											
24972	SR512149	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	3/4/1980	3/4/1980		4/11/2007											
24973	SR512150	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	3/4/1980	11/14/2007		11/14/2007											
24974	SR512151	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		4/3/1980		5/12/2004											
24975	SR512252	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		4/3/1980		5/11/2004											
24976	SR512253	SSG	EMPLACED_CNTR	3/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	4/15/1980	7/5/2004	4/30/1998	7/5/2004	10/23/1998										
24977	SR512255	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	4/15/1980		3/19/1998		9/11/1996										
24978	SR512256	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	4/15/1980		4/13/1998		10/4/1996										
24979	SR512257	SSG	EMPLACED_CNTR	11/14/2010 10:36	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediation	0	4/15/1980	12/3/2009	4/29/1998	12/3/2009	10/13/1998										
24980	SR512257A	SSG	EMPLACED_CNTR	3/16/2011 20:04	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	12/3/2009		12/3/2009		5/28/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
24981	SR512258	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	4/15/1980	4/15/1980	4/21/1998	12/11/2006	10/14/1998										
24982	SR512260	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1		3/12/2007		3/12/2007											
24983	SR512261	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1		10/26/2007		10/26/2007											
24984	SR512262	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	5/1/1980		3/24/1998		9/16/1998										
24985	SR512263	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	5/1/1980	5/17/2005	3/30/1998	5/17/2005	9/22/1998										
24986	SR512264	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	5/1/1980	6/29/2005	3/24/1998	6/29/2005	9/16/1998										
24987	SR512273	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/2/1980	6/2/1980		3/22/2007											
24988	SR512274	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	6/2/1980	10/11/2007		10/11/2007											
24989	SR512274A	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	10/11/2007		10/11/2007		4/4/2008										
24990	SR512275	SSG	EMPLACED_CNTR	10/29/2010 14:09	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	6/2/1980	6/7/2007		6/7/2007											
24991	SR512276	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/2/1980	6/2/1980		3/23/2007											
24992	SR512277	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/2/1980	6/2/1980		3/23/2007											
24993	SR512278	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		6/2/1980		5/11/2004											
24994	SR512279	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/12/1980	6/12/1980		1/9/2007											
24995	SR512280	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0		6/12/1980		8/16/2004											
24996	SR512281	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0		6/12/1980		5/11/2004											
24997	SR512282	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1		2/28/2007		2/28/2007											
24998	SR512283	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	8/21/1980	8/3/2008		8/3/2008											
24999	SR512283A	SSG	EMPLACED_CNTR	4/22/2010 19:18	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	8/3/2008		8/3/2008		8/26/2008										
25000	SR512284	SSG	EMPLACED_CNTR	1/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	8/21/1980	7/19/2007		7/19/2007											
25001	SR512285	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		6/12/1980		5/13/2004											
25002	SR512286	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		6/12/1980		5/13/2004											
25003	SR512287	SSG	EMPLACED_CNTR	7/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		6/12/1980		3/28/2005											
25004	SR512288	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	6/17/1980	2/20/2008		2/20/2008											
25005	SR512288A	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	2/20/2008		2/20/2008		8/14/2008										
25006	SR512289	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/17/1980	6/17/1980		4/4/2007											
25007	SR512290	SSG	EMPLACED_CNTR	4/12/2010 18:17	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	6/17/1980	8/17/1980		4/4/2007											
25008	SR512291	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0		6/12/1980		5/13/2004											
25009	SR513001	SSG	EMPLACED_CNTR	11/13/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	9/6/1979	3/20/2008		3/20/2008											
25010	SR513002	SSG	EMPLACED_CNTR	6/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0	9/6/1979	9/6/1979		5/3/2007											
25011	SR513003	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	8/28/1979	7/2/2008		7/2/2008											
25012	SR513003A	SSG	EMPLACED_CNTR	3/11/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	7/2/2008		7/2/2008		12/25/2008										
25013	SR513004	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	9/6/1979	7/17/2007		7/17/2007											
25014	SR513005	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	9/6/1979	4/2/2008		4/2/2008											
25015	SR513005A	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	4/2/2008		4/2/2008		9/15/2008										
25016	SR513009	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	9/25/1979	7/24/2007		7/24/2007											
25017	SR513011	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0		9/25/1979		8/13/2004											
25018	SR513012	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	9/25/1979	9/25/1979		3/1/2007											
25019	SR513013	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/2/1979	5/24/2007		5/24/2007											
25020	SR513014	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	10/2/1979	10/2/1979		2/28/2007											
25021	SR513015	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	10/2/1979	10/2/1979		2/28/2007											
25022	SR513016	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	10/2/1979	10/2/1979		3/2/2007											
25023	SR513017	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/17/1979	8/13/2007		8/13/2007											
25024	SR513018	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	10/2/1979		11/3/1999		4/27/2000										
25025	SR513019	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/2/1979	7/31/2007		7/31/2007											
25026	SR513020	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Purge	0	10/9/1979	10/9/1979		1/13/2008											
25027	SR513043	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	10/11/1979	10/11/1979		1/2/2007											
25028	SR513044	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/11/1979	8/1/2008		8/1/2008				TRUE	TRUE	TRUE					
25029	SR513045	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	10/16/1979		11/8/1999		5/2/2000										
25030	SR513046	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/16/1979	3/19/2007		3/19/2007											
25031	SR513046A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	3/19/2007	3/19/2007	3/19/2007	3/19/2007	9/11/2007										
25032	SR513047	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/16/1979	11/29/2007		11/29/2007											
25033	SR513047A	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	11/29/2007		11/29/2007		5/23/2008										
25034	SR513048	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	10/16/1979	10/16/1979		9/27/2007											
25035	SR513049	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/17/1979	7/23/2008		7/23/2008											
25036	SR513049A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	7/23/2008		7/23/2008		1/15/2009										
25037	SR513050	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/17/1979	10/4/2006		10/4/2006											
25038	SR513051	SSG	EMPLACED_CNTR	5/11/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	10/25/1979		11/8/1999		5/2/2000										
25039	SR513052	SSG	EMPLACED_CNTR	8/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/25/1979	5/31/2005	11/8/1999	5/31/2005	5/3/2000										
25040	SR513053	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/25/1979	1/4/2007		1/4/2007											
25041	SR513054	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/25/1979	4/18/2007		4/18/2007											
25042	SR513054A	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	4/18/2007		4/18/2007		10/11/2007										
25043	SR513055	SSG	EMPLACED_CNTR	6/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/30/1979	5/14/2008		5/14/2008											
25044	SR513055A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	1/3/2008		1/3/2008		6/27/2008										
25045	SR513056	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	10/29/1979	1/2/2008		1/2/2008											
25046	SR513056A	SSG	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	1/2/2008		1/2/2008		6/26/2008										
25047	SR513057	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	11/8/1979		4/28/1998		10/21/1998										
25048	SR513059	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	11/8/1979	4/17/2006	5/20/1998	4/17/2006	11/12/1998										
25049	SR513060	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	11/8/1979	11/8/1979	4/29/1998	6/10/2006	10/22/1998										
25050	SR513061	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	11/8/1979		4/7/1998		9/30/1998										
25051	SR513063	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	1/4/1980	7/13/2007		7/13/2007											
25052	SR513064	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	Remediate	1	11/15/1979	11/28/2007		11/28/2007											
25053	SR513064A	SSG	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	11/28/2007		11/28/2007		5/22/2008										
25054	SR513065	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	11/15/1979	11/15/1979		3/19/2007											
25055	SR513066	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400		0	11/29/1979		4/15/1998		10/8/1998										
25056	SR513067	SSG	EMPLACED_CNTR	10/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	11/29/1979	11/29/1979		3/11/2007											
25057	SR513069	SSG	EMPLACED_CNTR	1/29/2010 13:45	4/28/2011 6:00	WWIS_Updt	SR-WO27-235F-HET	SS400	V&P Vent	0	11/13/1979	11/13/1979		1/18/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25058	SR513070	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/13/1979	7/22/2008		7/22/2008											
25059	SR513070A	SSG	EMPLACED_CNTR	5/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ2-235F-HET	SS400		0	3/10/2008		3/10/2008		9/2/2008										
25060	SR513071	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/4/1979	11/29/2007		11/29/2007											
25061	SR513072	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/4/1979	6/11/2007		6/11/2007											
25062	SR513073	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/13/1979	12/13/1979		6/13/2007											
25063	SR513074	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/13/1979	12/13/1979		6/13/2007											
25064	SR513075	SSG	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/13/1979	12/13/1979		6/24/2007											
25065	SR513076	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/18/1979	1/14/2008													
25066	SR513076A	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	1/14/2008		1/14/2008		7/8/2008										
25067	SR513077	SSG	EMPLACED_CNTR	6/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	12/18/1979	12/18/1979		6/27/2007											
25068	SR513078	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/18/1979	4/18/2008		4/18/2008											
25069	SR513078A	SSG	EMPLACED_CNTR	3/26/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	4/18/2008		4/18/2008		10/11/2008										
25070	SR513079	SSG	EMPLACED_CNTR	8/28/2010 11:07	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	1/17/1980	1/17/1980		12/5/2007											
25071	SR513080	SSG	EMPLACED_CNTR	9/13/2010 10:43	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	1/17/1980	1/17/1980		12/5/2007											
25072	SR513081	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	1/17/1980	1/17/1980		11/29/2007											
25073	SR513082	SSG	EMPLACED_CNTR	10/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	1/17/1980	1/17/1980		3/7/2007											
25074	SR513084	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0		1/21/1980		8/16/2004											
25075	SR513085	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0		1/21/1980		9/14/2004											
25076	SR513086	SSG	EMPLACED_CNTR	8/10/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1		7/14/2004		7/14/2004											
25077	SR513087	SSG	EMPLACED_CNTR	9/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0		1/21/1980		8/17/2004											
25078	SR513088	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	2/12/1980	2/12/1980		11/21/2007											
25079	SR513089	SSG	EMPLACED_CNTR	9/19/2010 10:43	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	2/12/1980	2/12/1980		3/22/2008											
25080	SR513090	SSG	EMPLACED_CNTR	10/29/2010 14:09	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	2/13/1980	3/29/2008		3/29/2008											
25081	SR513090A	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	3/20/2008		3/20/2008		9/11/2008										
25082	SR513091	SSG	EMPLACED_CNTR	7/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	2/13/1980	2/13/1980		11/21/2007											
25083	SR513092	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	2/13/1980	4/29/2008		4/29/2008											
25084	SR513092A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	4/29/2008		4/29/2008		10/22/2008										
25085	SR513094	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	2/12/1980	2/12/1980		11/28/2007											
25086	SR513095	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	3/4/1980	6/27/2007		6/27/2007											
25087	SR513096	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/4/1980	3/4/1980		9/24/2007											
25088	SR513097	SSG	EMPLACED_CNTR	1/17/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	3/4/1980	5/14/2008		5/14/2008											
25089	SR513098	SSG	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	3/4/1980	3/4/1980		11/29/2007		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25090	SR513099	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/4/1980	3/4/1980		5/12/2005											
25091	SR513348	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	4/29/1980	3/11/2008		3/11/2008											
25092	SR513349	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	4/29/1980	8/2/2007		8/2/2007											
25093	SR513350	SSG	EMPLACED_CNTR	9/11/2010 11:02	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	4/29/1980	7/29/2007		7/29/2007											
25094	SR513351	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	4/29/1980	4/29/1980		3/3/2007											
25095	SR513352	SSG	EMPLACED_CNTR	2/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	4/29/1980	7/26/2007		7/26/2007											
25096	SR513353	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	5/1/1980	9/9/2006		9/9/2006											
25097	SR513354	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	5/1/1980	5/1/1980		8/17/2004											
25098	SR513356A	SWB	APPROVED_CERT	5/7/2012 19:41	mscabrer		SR-WQ27-235F-HET	SS400		0	4/21/2012		4/21/2012			SR513356 remediated per 221-F-5507B	- Rptgd was SR513356	TRUE	TRUE	TRUE			SR513356		Repack
25099	SR513357	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	5/6/1980		11/6/1997		5/1/1998										
25100	SR513358	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	5/6/1980		3/30/1998		9/22/1998										
25101	SR513358	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	5/6/1980		11/6/1997		5/1/1998										
25102	SR513360	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	5/6/1980	6/4/2005	3/30/1998	6/4/2005	9/22/1998										
25103	SR513361	SSG	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	5/6/1980		10/30/1997		4/24/1998										
25104	SR514031	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/5/1981	7/4/2005	10/19/1998	7/4/2005	4/13/1999										
25105	SR514156	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/19/1981		10/6/1998		3/31/1999										
25106	SR514157	SSG	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/19/1981		10/7/1998		4/1/1999										
25107	SR514158	SSG	EMPLACED_CNTR	3/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/19/1981		10/8/1998		3/31/1999										
25108	SR514159	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	11/19/1981	11/19/1981		12/16/2007											
25109	SR514160	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/19/1981	4/10/2008		4/10/2008											
25110	SR514161	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ2-235F-HET	SS400	Remediate	1	11/24/1981	2/26/2008		2/26/2008											
25111	SR514162	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/19/1981		12/1/1998		5/26/1999										
25112	SR514164	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/24/1981	5/7/2008		5/7/2008											
25113	SR514165	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/24/1981	5/14/2008		5/14/2008											
25114	SR514165A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	5/14/2008		5/14/2008		11/6/2008										
25115	SR514166	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/24/1981	2/13/2008		2/13/2008											
25116	SR514166A	SSG	EMPLACED_CNTR	9/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	2/13/2008		2/13/2008		8/7/2008										
25117	SR514167	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/24/1981	1/21/2008		1/21/2008											
25118	SR514168	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/3/1981	12/3/1981		6/21/2007											
25119	SR514169	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	12/3/1981	12/3/1981		11/30/2007											
25120	SR514170	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/24/1981		10/5/1998		3/30/1999										
25121	SR514171	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	11/24/1981		9/24/1998		3/19/1999										
25122	SR514173	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/3/1981	12/3/1981		6/21/2007											
25123	SR514174	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/2/1982	3/2/1982		11/8/2007											
25124	SR514175	SSG	EMPLACED_CNTR	11/12/2009 13:11	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/2/1982	3/2/1982		11/8/2007											
25125	SR514176	SSG	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/2/1982	3/2/1982		11/8/2007											
25126	SR514177	SSG	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/11/1982			8/13/2005		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25127	SR514178	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	3/11/1982	3/11/1982		12/10/2007											
25128	SR514843	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/10/1981	2/12/2008		2/12/2008											
25129	SR514844	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/15/1981	12/15/1981		8/1/2007											
25130	SR514845	SSG	EMPLACED_CNTR	10/29/2010 14:09	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/15/1981	2/1/2008		2/1/2008											
25131	SR514845A	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	2/1/2008		2/1/2008		7/26/2008										
25132	SR514846	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	12/15/1981		11/30/1998		5/25/1999										
25133	SR514847	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	12/17/1981	12/17/1981		6/4/2008											
25134	SR514848	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	12/17/1981	4/26/2008		4/26/2008											
25135	SR514848A	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	4/28/2008		4/28/2008		10/21/2008										
25136	SR514850	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	12/17/1981		12/1/1998		5/26/1999										
25137	SR515002	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	1/6/1981	1/6/1981		5/28/2006											
25138	SR515003	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	1/6/1981	1/29/2007		1/29/2007											
25139	SR515004	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	1/6/1981	1/6/1981		11/21/2006											
25140	SR515005	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	1/6/1981	10/14/2006		10/18/2006											
25141	SR515006	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	1/6/1981	1/6/1981		6/20/2006											
25142	SR515007	SSG			4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400		0	1/6/1981							TRUE	TRUE	TRUE					
25143	SR515008	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0		1/20/1981		5/13/2004											
25144	SR515009	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	1/20/1981	1/20/1981		6/3/2006											
25145	SR515010	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	1/20/1981	1/20/1981		11/20/2006											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25146	SRS15011	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	1/20/1981	1/20/1981		6/5/2006											
25147	SRS15012	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	1/20/1981	1/20/1981		6/4/2006											
25148	SRS15013	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/27/1981	5/28/2008		5/28/2008											
25149	SRS15014	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/19/1981	5/25/2006		5/25/2006											
25150	SRS15015	SSG	EMPLACED_CNTR	4/10/2010 10:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/27/1981	7/31/2007		7/31/2007											
25151	SRS15016	SSG	EMPLACED_CNTR	5/9/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/27/1981	7/23/2007		7/23/2007											
25152	SRS15017	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/27/1981	7/25/2007		7/25/2007											
25153	SRS15018	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	1/27/1981	1/17/2008		1/17/2008											
25154	SRS15019	SSG	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/27/1981		9/23/1997		3/18/1998										
25155	SRS15020	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	2/19/1981	2/19/1981		7/28/2005											
25156	SRS15021	SSG	EMPLACED_CNTR	5/11/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	2/19/1981	2/19/1981		4/15/2008											
25157	SRS15026	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		2/19/1981		2/12/2005											
25158	SRS15027	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0		2/19/1981		3/22/2005											
25159	SRS15028	SSG	EMPLACED_CNTR	4/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/19/1981	11/12/2007		11/12/2007											
25160	SRS15029	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	2/19/1981	2/19/1981		4/17/2008											
25161	SRS15030	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/17/1981	5/15/2008		5/15/2008											
25162	SRS15031	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/17/1981	6/5/2008		6/5/2008											
25163	SRS15032	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/24/1981	3/13/2007		3/13/2007											
25164	SRS15032A	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/13/2007	11/9/2007	3/13/2007	11/9/2007	9/5/2007										
25165	SRS15033	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	2/24/1981	2/24/1981		12/4/2007											
25166	SRS15034	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	2/24/1981	2/24/1981		3/28/2006											
25167	SRS15035	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/5/1981	3/5/1981		11/19/2006											
25168	SRS15036	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/5/1981	12/11/2006		12/11/2006											
25169	SRS15037	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/5/1981	7/24/2007		7/24/2007											
25170	SRS15037A	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/24/2007		7/24/2007		1/16/2008										
25171	SRS15038	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	3/5/1981	3/5/1981		3/28/2006											
25172	SRS15039	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/5/1981	5/18/2007		5/18/2007											
25173	SRS15040	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/5/1981	5/14/2008		5/14/2008											
25174	SRS15040A	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/2/2008		1/2/2008		6/26/2008										
25175	SRS15041	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/19/1981	9/27/2006		9/27/2006											
25176	SRS15041A	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1		9/27/2006		9/27/2006											
25177	SRS15042	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/19/1981	1/10/2007		1/10/2007											
25178	SRS15043	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/19/1981	3/13/2007		3/13/2007											
25179	SRS15044	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	3/19/1981	3/19/1981		7/23/2006											
25180	SRS15045	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/24/1981	1/24/2008		1/24/2008											
25181	SRS15046	SSG	EMPLACED_CNTR	6/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/31/1981	1/29/2008		1/29/2008											
25182	SRS15046A	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	1/29/2008		1/29/2008		7/23/2008										
25183	SRS15048	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/31/1981	2/23/2008		2/23/2008											
25184	SRS15048A	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	2/23/2008		2/23/2008		8/17/2006										
25185	SRS15049	SSG	EMPLACED_CNTR	6/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	3/31/1981	1/4/2007		1/4/2007											
25186	SRS15050	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/31/1981		5/14/1998		11/6/1998										
25187	SRS15051	SSG	EMPLACED_CNTR	4/10/2010 10:00	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/7/1981	2/21/2008		2/21/2008											
25188	SRS15052	SSG	EMPLACED_CNTR	4/12/2010 18:21	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	4/7/1981	4/7/1981		3/5/2007											
25189	SRS15053	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	4/16/1981	4/16/1981		9/5/2007											
25190	SRS15054	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/16/1981	10/21/2007		10/21/2007											
25191	SRS15054A	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	10/22/2007		10/22/2007		4/15/2008										
25192	SRS15055	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/16/1981	3/26/2008		3/26/2008											
25193	SRS15055A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/26/2008		3/26/2008		9/18/2008										
25194	SRS15056	SSG	EMPLACED_CNTR	8/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	4/16/1981		9/23/1997		3/18/1998										
25195	SRS15057	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	4/28/1981	4/28/1981		3/12/2007											
25196	SRS15058	SSG	EMPLACED_CNTR	1/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/28/1981	7/30/2007		7/30/2007											
25197	SRS15059	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	4/28/1981	7/12/2007		7/12/2007											
25198	SRS15060	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/19/1981							TRUE	TRUE	TRUE					
25199	SRS15061	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	5/14/1981	7/9/2007		7/9/2007											
25200	SRS15062	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	5/14/1981	5/14/1981		3/12/2007											
25201	SRS15063	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	5/14/1981	5/14/1981		3/12/2007											
25202	SRS15064	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/19/1981							TRUE	TRUE	TRUE					
25203	SRS15065	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/19/1981							TRUE	TRUE	TRUE					
25204	SRS15066	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	5/19/1981							TRUE	TRUE	TRUE					
25205	SRS15067	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/4/1981	7/2/2008		7/2/2008											
25206	SRS15067A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/17/2008		3/17/2008		9/9/2008										
25207	SRS15068	SSG	EMPLACED_CNTR	4/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/4/1981	6/4/1981		7/13/2007											
25208	SRS15069	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/4/1981	6/4/1981		7/23/2007											
25209	SRS15070	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/4/1981	2/9/2008		2/9/2008											
25210	SRS15070A	SSG	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	2/9/2008	6/3/2008	2/9/2008	6/3/2008	8/3/2006										
25211	SRS15071	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1981	3/17/2008		3/17/2008											
25212	SRS15072	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1981	3/14/2008		3/14/2008											
25213	SRS15073	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/9/1981	2/14/2008		2/14/2008											
25214	SRS15074	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/17/1981	6/17/1981		7/13/2007											
25215	SRS15075	SSG	EMPLACED_CNTR	1/17/2010 13:59	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/18/1981	5/15/2008		5/15/2008											
25216	SRS15076	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	6/18/1981	6/18/1981		7/13/2007											
25217	SRS15077	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/30/1981	7/16/2007		7/16/2007											
25218	SRS15078	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/30/1981	7/23/2008		7/23/2008											
25219	SRS15079	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	6/30/1981	7/24/2008		7/24/2008											
25220	SRS15080	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/28/1981	3/6/2008		3/6/2008											
25221	SRS15080A	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/6/2008		3/6/2008		8/29/2008										
25222	SRS15081	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/28/1981	4/25/2008		4/25/2008											
25223	SRS15083	SSG	EMPLACED_CNTR	11/14/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	0	7/28/1981	11/23/2009		11/23/2009											
25224	SRS15085	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	7/30/1981	11/13/2006	8/25/1997	11/13/2006	2/17/1998										
25225	SRS15086	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	7/30/1981		8/25/1997		2/17/1998										
25226	SRS15087	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/18/1981	5/14/2008		5/14/2008											
25227	SRS15088	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Purge	0	8/20/1981	8/20/1981		7/25/2007											
25228	SRS15089	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	8/20/1981	2/7/2008		2/7/2008											
25229	SRS15090	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	Remediate	1	9/3/1981	3/27/2008		3/27/2008											
25230	SRS15090A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	3/27/2008		3/27/2008		9/19/2008										
25231	SRS15091	SSG	EMPLACED_CNTR	10/6/2011 19:36	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400	V&P Vent	0	10/13/1981	10/13/1981		3/18/2008		08/11/2007 V&P Vent		TRUE	TRUE	TRUE					
25232	SRS15092	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/3/1981		9/16/1998		3/11/1999										
25233	SRS15093	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	S5400		0	9/3/1981		9/16/1998		3/11/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25234	SR515094	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/3/1981	7/29/2005	9/16/1998	7/29/2005	3/11/1999										
25235	SR515095	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	9/30/1981		9/21/1998		3/16/1999										
25236	SR515201	SSG	EMPLACED_CNTR	1/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0		7/17/1980		1/16/2004											
25237	SR515202	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0		7/17/1980		1/12/2004											
25238	SR515203	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	1/6/1981	11/2/2007		11/2/2007											
25239	SR515204	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	1/6/1981	1/6/1981		6/17/2006											
25240	SR515205	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	1/6/1981	9/17/2007		9/17/2007											
25241	SR515206	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	1/6/1981	1/14/2008		1/14/2008											
25242	SR515206A	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	1/14/2008		1/14/2008		7/8/2008										
25243	SR515207	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	8/11/1981	8/11/1981		12/18/2007											
25244	SR515208	SSG	EMPLACED_CNTR	10/6/2011 19:36	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	8/11/1981	4/30/2008		4/30/2008				TRUE	TRUE	TRUE					
25245	SR515208A	SSG	EMPLACED_CNTR	3/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	4/30/2008		4/30/2008		10/23/2008										
25246	SR515209	SSG	EMPLACED_CNTR	11/15/2008 11:05	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	8/11/1981	8/11/1981		12/16/2007											
25247	SR515210	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	8/11/1981	8/11/1981		12/16/2007											
25248	SR515211	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/13/1981	4/9/2008		4/9/2008											
25249	SR515211A	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	4/9/2008		4/9/2008		10/2/2008										
25250	SR515212	SSG	EMPLACED_CNTR	3/4/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	8/18/1981	8/18/1981		7/25/2007											
25251	SR515213	SSG	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	7/9/1981	7/9/1981		4/6/2007											
25252	SR515214	SSG	EMPLACED_CNTR	4/12/2010 18:17	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	7/9/1981	7/9/1981		4/6/2007											
25253	SR515215	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	7/9/1981	12/4/2007		12/4/2007											
25254	SR515215A	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	12/4/2007		12/4/2007		5/28/2008										
25255	SR515216	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	7/21/1981	4/8/2008		4/8/2008		WWS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25256	SR515217	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	7/21/1981	7/21/1981		8/8/2007											
25257	SR515218	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	7/21/1981	7/21/1981		8/10/2007											
25258	SR515219	SSG	EMPLACED_CNTR	5/17/2011 21:35	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	7/14/1981	2/14/2008		2/14/2008		WWS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25259	SR515219A	SSG	EMPLACED_CNTR	2/11/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	2/14/2008		2/14/2008		8/8/2008										
25260	SR515220	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	7/14/1981	5/27/2008		5/27/2008											
25261	SR515221	SSG	EMPLACED_CNTR	6/22/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	8/18/1981	10/10/2007		10/10/2007											
25262	SR515222	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	8/18/1981	8/18/1981		7/24/2007											
25263	SR515224	SSG	EMPLACED_CNTR	5/17/2011 21:35	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	8/27/1981		9/10/1998		3/5/1999	WWS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25264	SR515225	SSG	EMPLACED_CNTR	7/24/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	8/27/1981		9/10/1998		3/5/1999										
25265	SR515228	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	8/27/1981	1/23/2008		1/23/2008											
25266	SR515230	SSG	EMPLACED_CNTR	5/23/2012 14:51	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	9/24/1981	9/24/1981		4/5/2007				TRUE	TRUE	TRUE					
25267	SR515231	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	9/24/1981	9/24/1981		4/5/2007											
25268	SR515232	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/13/1981	4/5/2008		4/5/2008											
25269	SR515233	SSG	EMPLACED_CNTR	5/28/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/13/1981	4/10/2008		4/10/2008											
25270	SR515234	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	11/10/1981		10/15/1998		4/9/1999										
25271	SR515235	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/22/1981		10/6/1998		3/31/1999										
25272	SR515236	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	9/22/1981	9/22/1981		8/11/2007											
25273	SR515237	SSG	EMPLACED_CNTR	10/11/2011 21:58	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	9/22/1981		9/22/1981		3/17/1982	ventdate1 removed due to sample port only DMC per JRovansek 040709; ventdate added per A Castro email 040709		TRUE	TRUE	TRUE					
25274	SR515238	SSG	EMPLACED_CNTR	11/13/2008 9:47	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/22/1981	3/12/2008		3/12/2008											
25275	SR515238A	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	3/12/2008		3/12/2008		9/4/2008										
25276	SR515239	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	9/22/1981	9/22/1981		10/31/2007											
25277	SR515240	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	10/13/1981	10/13/1981		8/10/2007											
25278	SR515241	SSG	EMPLACED_CNTR	9/11/2010 13:07	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/13/1981		9/9/1998		3/4/1999										
25279	SR515242	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/20/1981		12/1/1998		5/26/1999										
25280	SR515243	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/20/1981		10/1/1998		3/26/1999										
25281	SR515244	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/20/1981		12/1/1998		5/26/1999										
25282	SR515245	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/13/1981		8/17/1998		2/9/1999										
25283	SR515246	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	10/13/1981	10/13/1981		8/11/2007											
25284	SR515247	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	10/13/1981	10/13/1981		8/11/2007											
25285	SR515248	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/13/1981	2/7/2008		2/7/2008											
25286	SR515248A	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	2/7/2008		2/7/2008		8/1/2008										
25287	SR515249	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/20/1981	5/12/2008		5/12/2008											
25288	SR515249A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	5/12/2008		5/12/2008		11/4/2008										
25289	SR515250	SSG	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	10/13/1981	10/13/1981		12/19/2007											
25290	SR515251	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/22/1981	1/14/2008		1/14/2008											
25291	SR515251A	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	1/14/2008		1/14/2008		7/8/2008										
25292	SR515252	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	10/22/1981	10/22/1981		5/10/2007											
25293	SR515253	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	10/22/1981	8/16/2007		8/16/2007											
25294	SR515254	SSG	EMPLACED_CNTR	10/29/2010 14:09	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/3/1981	4/14/2008		4/14/2008											
25295	SR515255	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/3/1981	2/4/2008		2/4/2008											
25296	SR515256	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	11/10/1981		10/15/1998		4/9/1999										
25297	SR515257	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	9/22/1981		9/17/1998		3/11/1999										
25298	SR515258	SSG	EMPLACED_CNTR	3/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	9/22/1981		8/19/1998		2/11/1999										
25299	SR515259	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	9/22/1981		9/16/1998		3/11/1999										
25300	SR515260	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/13/1981		8/12/1998		2/4/1999										
25301	SR515261	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/13/1981		8/18/1998		2/10/1999										
25302	SR515262	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	11/10/1981		10/5/1998		3/30/1999										
25303	SR515263	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	11/10/1981		10/7/1998		4/1/1999										
25304	SR515264	SSG	EMPLACED_CNTR	5/21/2011 13:48	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	11/3/1981		12/1/1998		5/26/1999	WWS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25305	SR515265	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/10/1981	2/20/2008		2/20/2008											
25306	SR515265A	SSG	EMPLACED_CNTR	7/28/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	2/20/2008		2/20/2008		8/14/2008										
25307	SR515266	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	10/29/1981		10/7/1998		4/5/1999										
25308	SR515267	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	11/10/1981	11/10/1981		1/18/2008											
25309	SR515272	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/15/1981	7/21/2007		7/13/2007											
25310	SR515273	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/15/1981	7/26/2008		7/26/2008											
25311	SR515274	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Vent	0	9/15/1981	9/15/1981		4/6/2007											
25312	SR515275	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	V&P Purge	0	9/17/1981	9/17/1981		7/15/2007											
25313	SR515276	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/17/1981	2/23/2008		2/23/2008											
25314	SR515276A	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	2/23/2008		2/23/2008		8/17/2008										
25315	SR515277	SSG	EMPLACED_CNTR	8/11/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	9/17/1981	3/11/2008		3/11/2008											
25316	SR515277A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	3/11/2008		3/11/2008		9/3/2008										
25317	SR515278	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/10/1981	2/4/2008		2/4/2008											
25318	SR515278A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400		0	2/4/2008		2/4/2008		7/29/2008										
25319	SR515279	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-235F-HET	SS400	Remediate	1	11/12/1981	5/13/2008		5/13/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25320	SR515279A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/13/2008		5/13/2008		11/5/2008										
25321	SR515280	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	11/12/1981	11/12/1981		12/27/2007											
25322	SR515281	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/8/1981	1/3/2008		1/3/2008											
25323	SR515281A	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	1/3/2008		1/3/2008		6/27/2008										
25324	SR515282	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	9/8/1981	9/8/1981		7/23/2007											
25325	SR515283	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/8/1981	10/9/2006	9/13/1998	10/9/2006	3/18/1999										
25326	SR515284	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/10/1981		8/5/1998		1/28/1999										
25327	SR515285	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/10/1981		8/5/1998		1/28/1999										
25328	SR515286	SSG	EMPLACED_CNTR	9/19/2010 10:55	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/10/1981	9/10/1981		7/24/2007											
25329	SR515287	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/10/1981	12/3/2007		12/3/2007											
25330	SR515288	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	12/3/1981	12/3/1981		11/9/2007											
25331	SR515289	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/1/1981		9/23/1998		3/18/1999										
25332	SR515290	SSG	EMPLACED_CNTR	5/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/1/1981		8/19/1998		2/11/1999										
25333	SR515291	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/1/1981		9/21/1998		3/16/1999										
25334	SR515292	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/1/1981	4/6/2006	9/10/1998	4/6/2006	3/5/1999										
25335	SR515296	SSG	EMPLACED_CNTR	7/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/15/1981		9/16/1998		3/11/1999										
25336	SR515297	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/15/1981		9/22/1998		3/17/1999										
25337	SR515298	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/15/1981		9/17/1998		3/12/1999										
25338	SR515299	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/15/1981	12/29/2006	9/21/1998	12/29/2006	3/16/1999										
25339	SR516751	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	12/22/1981	2/16/2008		2/16/2008											
25340	SR516752	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	12/22/1981	12/22/1981		11/26/2007											
25341	SR516753	SSG	EMPLACED_CNTR	4/8/2010 20:38	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	12/22/1981	12/22/1981		7/28/2007											
25342	SR516754	SSG	EMPLACED_CNTR	11/30/2010 14:19	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	12/29/1981	12/29/1981		12/26/2007											
25343	SR516755	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	12/29/1981	2/29/2008		2/29/2008											
25344	SR516755A	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	2/29/2008		2/29/2008		8/13/2008										
25345	SR516756	SSG	EMPLACED_CNTR	10/6/2011 19:45	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	1/5/1982	1/5/1982		12/24/2007				TRUE	TRUE	TRUE					
25346	SR516757	SSG	EMPLACED_CNTR	4/15/2010 22:26	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	1/5/1982	1/5/1982		12/25/2007											
25347	SR516758	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/12/1982	4/24/2008		4/24/2008											
25348	SR516759	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/12/1982	1/12/1982		8/1/2007											
25349	SR516760	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	1/12/1982	1/12/1982		8/6/2007											
25350	SR516761	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	1/12/1982		8/19/1998		2/11/1999										
25351	SR516762	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/26/1982	1/26/1982		12/27/2007											
25352	SR516763	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/26/1982	1/26/1982		12/26/2007											
25353	SR516764	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/26/1982	1/26/1982		12/26/2007											
25354	SR516765	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/28/1982	1/28/1982		12/27/2007											
25355	SR516766	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/11/1982	4/23/2008		4/23/2008											
25356	SR516768	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/27/1983	1/27/1983		12/3/2007											
25357	SR516770	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	1/12/1982		9/9/1998		3/4/1999										
25358	SR516771	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	1/28/1982	1/28/1982		1/26/2008											
25359	SR516780	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/28/1982	3/17/2008		3/17/2008											
25360	SR516781	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	2/2/1982	2/2/1982		12/6/2007											
25361	SR516782	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/2/1982	5/15/2008		5/15/2008											
25362	SR516782A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/15/2008		5/15/2008		11/7/2008										
25363	SR516783	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/2/1982	4/21/2008		4/21/2008											
25364	SR516784	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	2/11/1982	2/11/1982		12/5/2007											
25365	SR516785	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/11/1982	5/29/2008		5/29/2008											
25366	SR516786	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	2/11/1982	2/11/1982		7/16/2007											
25367	SR516787	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/11/1982	3/19/2008		3/19/2008											
25368	SR516787A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/19/2008		3/19/2008		9/11/2008										
25369	SR516788	SSG	EMPLACED_CNTR	1/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	2/11/1982	2/11/1982		7/16/2005											
25370	SR516789	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/11/1982	3/4/2008		3/4/2008											
25371	SR516790	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/11/1982	12/21/2007		12/21/2007											
25372	SR516790A	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	12/21/2007		12/21/2007		6/14/2008										
25373	SR516792	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	2/18/1982	4/30/2008		4/30/2008											
25374	SR516793	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	2/18/1982	2/18/1982		1/18/2008											
25375	SR516794	SSG	EMPLACED_CNTR	10/11/2011 21:58	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	0	2/18/1982	1/13/2011		1/13/2011		08/21/2007 V&P Vent		TRUE	TRUE	TRUE					
25376	SR516794A	SSG	EMPLACED_CNTR	6/28/2012 10:21	4/28/2011 6:00	WFPNET\SQLMaster	SR-W027-235F-HET	55400		0	1/13/2011		1/13/2011		7/8/2011			TRUE	TRUE	TRUE					
25377	SR516795	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/2/1982	4/9/2008		4/9/2008											
25378	SR516796	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/11/1982	3/12/2008		3/12/2008											
25379	SR516797	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/11/1982		9/9/1998		3/4/1999										
25380	SR516798	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	12/8/1981		9/28/1998		3/23/1999										
25381	SR516799	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	12/8/1981		10/19/1998		4/13/1999										
25382	SR516800	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	1/28/1982	4/28/2008		4/28/2008											
25383	SR516501	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/22/1982	3/25/2008		3/25/2008											
25384	SR516501A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/25/2008		3/25/2008		9/17/2008										
25385	SR518502	SSG	EMPLACED_CNTR	4/19/2010 21:32	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/20/1982	4/20/1982		11/23/2007											
25386	SR518503	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0				5/18/2005											
25387	SR518504	SSG	EMPLACED_CNTR	4/11/2010 18:23	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/20/1982	4/20/1982		11/23/2007											
25388	SR518505	SSG	EMPLACED_CNTR	4/12/2010 18:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/20/1982	4/20/1982		12/18/2007											
25389	SR518506	SSG	EMPLACED_CNTR	4/8/2010 20:10	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/20/1982	4/28/2008		4/28/2008											
25390	SR518507	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/20/1982	4/20/1982		1/16/2008											
25391	SR518508	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	4/22/1982		9/28/1998		3/23/1999										
25392	SR518509	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0		4/22/1982		7/21/2004											
25393	SR518510	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0		4/22/1982		9/5/2004											
25394	SR518511	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/22/1982	5/15/2008		5/15/2008											
25395	SR518512	SSG	EMPLACED_CNTR	2/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/27/1982	10/26/2007		10/26/2007											
25396	SR518513	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1		6/12/2005		6/12/2005											
25397	SR518514	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/29/1982	2/18/2008		2/18/2008											
25398	SR518514A	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	2/18/2008		2/18/2008		8/12/2008										
25399	SR518515	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/29/1982	11/1/2007		11/1/2007											
25400	SR518516	SSG	EMPLACED_CNTR	11/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/29/1982	4/29/1982		11/6/2005											
25401	SR518518	SSG	EMPLACED_CNTR	4/12/2010 18:21	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/11/1982	5/11/1982		9/20/2007											
25402	SR518519	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/11/1982	5/11/1982		9/20/2007											
25403	SR518520	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/11/1982	5/11/1982		9/20/2007											
25404	SR518521	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0		5/11/1982		8/16/2004											
25405	SR518522	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/18/1982	5/18/1982		9/20/2007											
25406	SR518523	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	5/18/1982	5/15/2008		5/15/2008											
25407	SR518523A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/15/2008		5/15/2008		11/7/2008										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25408	SRS18524	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	5/25/1982	7/28/2008		7/28/2008											
25409	SRS18524A	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	2/13/2008		2/13/2008		8/7/2008										
25410	SRS18525	SSG	EMPLACED_CNTR	6/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/25/1982			2/26/2007											
25411	SRS18526	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	5/25/1982	5/25/1982		12/4/2007											
25412	SRS18536	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/8/1982	3/5/2008		3/5/2008											
25413	SRS18536A	SSG	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/5/2008		3/5/2008		8/28/2008										
25414	SRS18537	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1		6/23/2005		6/23/2005											
25415	SRS18538	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	6/15/1982	6/15/1982		11/10/2007											
25416	SRS18539	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/15/1982	5/6/2008		5/6/2008											
25417	SRS18540	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	6/15/1982	6/15/1982		11/10/2007											
25418	SRS18542	SSG	EMPLACED_CNTR	5/16/2012 10:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	6/22/1982	6/22/1982		5/13/2008		8/13/05 V&P Purge		TRUE	TRUE	TRUE					
25419	SRS18543	SSG	EMPLACED_CNTR	4/22/2010 19:18	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/22/1982	5/19/2008		5/19/2008											
25420	SRS18544	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	6/22/1982	6/22/1982	9/9/1998	12/2/2005	3/4/1999										
25421	SRS18545	SSG	EMPLACED_CNTR	5/17/2011 21:35	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/22/1982		9/9/1998		3/4/1999	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25422	SRS18546	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	6/22/1982		9/9/1998		3/4/1999										
25423	SRS18553	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	7/8/1982			12/2/2005											
25424	SRS18554	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/8/1982		9/9/1998		3/4/1999										
25425	SRS18555	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	7/8/1982		7/21/1998		1/13/1999										
25426	SRS18556	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/23/1982	2/13/2008		2/13/2008											
25427	SRS18556A	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	2/13/2008		2/13/2008		8/7/2008										
25428	SRS18557	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	7/23/1982	7/23/1982		9/6/2007											
25429	SRS18558	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	7/23/1982	7/23/1982		12/2/2007											
25430	SRS18559	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/23/1982	2/22/2008		2/22/2008											
25431	SRS18560	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/23/1982	1/8/2008		1/8/2008											
25432	SRS18561	SSG	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	7/23/1982	2/22/2008		2/22/2008											
25433	SRS18565	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	6/10/1982	4/21/2008		4/21/2008											
25434	SRS18566	SSG	EMPLACED_CNTR	1/25/2010 18:52	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	8/10/1982	8/10/1982		11/28/2007											
25435	SRS18567	SSG	EMPLACED_CNTR	4/8/2010 20:10	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/10/1982	5/14/2008		5/14/2008											
25436	SRS18567A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/14/2008		5/14/2008		11/6/2008										
25437	SRS18574	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/30/1982	5/21/2008		5/21/2008											
25438	SRS18575	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/30/1982	5/21/2008		5/21/2008											
25439	SRS18576	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/30/1982	6/2/2008		6/2/2008											
25440	SRS18582	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/1/1982	4/1/1982		12/2/2005											
25441	SRS18583	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/1/1982	4/1/1982		11/14/2007											
25442	SRS18584	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	4/1/1982	4/1/1982		5/6/2005											
25443	SRS18585	SSG	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	4/1/1982	4/1/1982		11/14/2007											
25444	SRS18586	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	4/1/1982		8/24/1998		2/16/1999										
25445	SRS18587	SSG	EMPLACED_CNTR	5/1/2011 14:04	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/1/1982	12/22/2009		12/22/2009				TRUE	TRUE	TRUE					
25446	SRS18587A	SSG	EMPLACED_CNTR	4/16/2011 10:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-235F-HET	55400		0	12/22/2009		12/22/2009		6/16/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25447	SRS18588	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	12/7/1982	12/7/1982		12/28/2007											
25448	SRS18590	SSG	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	3/30/1982	9/5/2006		9/5/2006											
25449	SRS18592	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/13/1982	3/19/2008		3/19/2008											
25450	SRS18592A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/19/2008		3/19/2008		9/11/2008										
25451	SRS18593	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/13/1982	7/10/2008		7/10/2008											
25452	SRS18594	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	4/13/1982	11/26/2006		11/26/2006											
25453	SRS18706	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/24/1982	12/21/2007		12/21/2007											
25454	SRS18707	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	8/24/1982	8/24/1982		6/16/2007											
25455	SRS18708	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/24/1982	1/4/2008		1/4/2008											
25456	SRS18709	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	8/2/1982	2/27/2008		2/27/2008											
25457	SRS18714	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	8/31/1982	8/31/1982		8/28/2007											
25458	SRS18715	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	8/31/1982	8/31/1982		1/24/2008											
25459	SRS18719	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/14/1982	3/4/2008		3/4/2008											
25460	SRS18720	SSG	EMPLACED_CNTR	6/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/14/1982	1/31/2008		1/31/2008											
25461	SRS18721	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0		9/14/1982		5/12/2005											
25462	SRS18722	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/14/1982	9/14/1982		8/15/2007											
25463	SRS18723	SSG	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	10/28/1982	10/28/1982		6/29/2004											
25464	SRS18724	SSG	EMPLACED_CNTR	10/11/2011 21:56	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	11/2/1982	11/2/1982		4/26/2007				TRUE	TRUE	TRUE					
25465	SRS18725	SSG	EMPLACED_CNTR	2/26/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/2/1982	3/11/2008		3/11/2008											
25466	SRS18726	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/2/1982	3/12/2008		3/12/2008											
25467	SRS18726A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	3/12/2008		3/12/2008		9/4/2008										
25468	SRS18727	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/2/1982	4/7/2008		4/7/2008											
25469	SRS18727A	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	4/7/2008		4/7/2008		9/30/2008										
25470	SRS18728	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	11/11/1982	11/11/1982		9/2/2007											
25471	SRS18729	SSG	EMPLACED_CNTR	4/6/2010 16:49	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	11/11/1982	11/11/1982		1/29/2008											
25472	SRS18730	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	11/11/1982	4/18/2008		4/18/2008											
25473	SRS18730A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	4/18/2008		4/18/2008		10/11/2008										
25474	SRS18731	SSG	EMPLACED_CNTR	5/23/2012 14:51	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	11/18/1982	11/18/1982		8/10/2005		V&P Purge entered and sample port removed DMc per JRovansek 040709		TRUE	TRUE	TRUE					
25475	SRS18732	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	12/7/1982	5/13/2008		5/13/2008											
25476	SRS18732A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	5/13/2008		5/13/2008		11/5/2008										
25477	SRS18733	SSG	EMPLACED_CNTR	4/8/2010 20:38	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	12/7/1982	12/7/1982		12/28/2007											
25478	SRS18734	SSG	EMPLACED_CNTR	11/20/2009 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	12/7/1982	12/7/1982		12/28/2007											
25479	SRS18735	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	12/30/1982	12/30/1982		7/16/2004											
25480	SRS18736	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	12/30/1982	8/13/2006		8/13/2006											
25481	SRS18744	SSG	EMPLACED_CNTR	7/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	8/5/1982		9/9/1998		3/4/1999										
25482	SRS18745	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	8/5/1982		9/8/1998		3/3/1999										
25483	SRS18746	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/21/1982	10/18/2007		10/18/2007											
25484	SRS18747	SSG	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/21/1982	9/21/1982		4/25/2007											
25485	SRS18748	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/21/1982	9/21/1982		1/11/2007											
25486	SRS18749	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Purge	0	9/21/1982	9/21/1982		1/13/2007											
25487	SRS18751	SSG	EMPLACED_CNTR	5/21/2011 12:48	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/23/1982	11/23/2006	9/8/1998	11/23/2006	3/3/1999	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25488	SRS18752	SSG	EMPLACED_CNTR	5/21/2011 12:48	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	9/23/1982		9/8/1998		3/3/1999	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
25489	SRS18753	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/23/1982	9/23/1982		4/25/2007											
25490	SRS18754	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	9/23/1982	9/23/1982		1/11/2007											
25491	SRS18756	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/30/1982	6/2/2008		6/2/2008											
25492	SRS18757	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	Remediate	1	9/30/1982	1/14/2008		1/14/2008											
25493	SRS18762	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400		0	10/7/1982		9/8/1998		3/3/1999										
25494	SRS18763	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HET	55400	V&P Vent	0	10/7/1982			12/2/2005											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25495	SR518764	55G	EMPLACED_CNTR	5/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/7/1982	10/7/1982		8/3/2006											
25496	SR518765	55G	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/7/1982	10/7/1982		1/11/2007											
25497	SR518766	55G	EMPLACED_CNTR	5/30/1009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/28/1982	10/28/1982		5/3/2005											
25498	SR518767	55G	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/28/1982			8/13/2005											
25499	SR518769	55G	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	9/23/1982	11/16/2007		11/16/2007											
25500	SR518769A	55G	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	11/16/2007		11/16/2007		5/10/2008										
25501	SR518770	55G	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	9/23/1982	11/14/2007		11/14/2007											
25502	SR518771	55G	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	9/23/1982	11/26/2007		11/26/2007											
25503	SR518774	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	1/11/1983	4/29/2008		4/29/2008											
25504	SR518774A	55G	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	4/29/2008		4/29/2008		10/22/2008										
25505	SR518775	55G	EMPLACED_CNTR	11/15/2009 11:05	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	1/11/1983	2/12/2007		2/12/2007											
25506	SR518776	55G	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	1/11/1983	7/30/2007		7/30/2007											
25507	SR518777	55G	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	1/11/1983	1/11/1983		7/20/2007											
25508	SR518778	55G	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	1/11/1983	1/11/1983		3/24/2008											
25509	SR518779	55G	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	1/27/1983	1/27/1983		5/18/2007											
25510	SR518780	55G	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	1/27/1983	1/27/1983		12/3/2007											
25511	SR518781	55G	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/7/1982	7/23/2008		7/23/2008											
25512	SR518781A	55G	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	7/23/2008		7/23/2008		1/15/2009										
25513	SR518782	55G	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/7/1982	12/1/2007		12/1/2007											
25514	SR518782A	55G	EMPLACED_CNTR	4/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	12/1/2007		12/1/2007		5/25/2008										
25515	SR518784	55G	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	1/27/1983		9/8/1998		3/3/1999										
25516	SR518785	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	2/8/1983			2/28/2007											
25517	SR518786	55G	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/8/1983	10/14/2006		10/14/2006											
25518	SR518787	55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/8/1983	2/12/2008		2/12/2008											
25519	SR518787A	55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	2/12/2008		2/12/2008		8/6/2008										
25520	SR518789	55G	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	2/15/1983	2/15/1983		7/8/2007											
25521	SR518790	55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/15/1983	3/4/2008		3/4/2008											
25522	SR518790A	55G	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	3/4/2008		3/4/2008		8/27/2008										
25523	SR518791	55G	EMPLACED_CNTR	7/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	2/15/1983	2/15/1983		7/8/2007											
25524	SR518792	55G	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/15/1983	3/5/2008		3/5/2008											
25525	SR518792A	55G	EMPLACED_CNTR	10/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	3/5/2008		3/5/2008		8/28/2008										
25526	SR518793	55G	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/24/1983	2/4/2008		2/4/2008											
25527	SR518793A	55G	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	2/4/2008		2/4/2008		7/29/2008										
25528	SR518794	55G	EMPLACED_CNTR	4/12/2010 18:41	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	2/24/1983	2/24/1983		1/23/2008											
25529	SR518795	55G	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	2/24/1983	2/24/1983		1/12/2008											
25530	SR518796	55G	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	2/24/1983	2/24/1983		12/3/2007											
25531	SR518799	55G	EMPLACED_CNTR	1/31/2010 10:57	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	4/7/1983	4/7/1983		1/31/2008											
25532	SR520701	55G	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	7/21/1983	2/14/2008		2/14/2008											
25533	SR520702	55G	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	7/21/1983	7/21/1983		12/4/2007											
25534	SR520703	55G	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	7/21/1983	7/21/1983		1/12/2008											
25535	SR520704	55G	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	7/21/1983	7/21/1983		7/15/2004											
25536	SR520705	55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	8/4/1983	2/15/2008		2/15/2008											
25537	SR520706	55G	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	8/4/1983	8/4/1983		9/21/2007											
25538	SR520708	55G	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	8/4/1983		9/9/1998		3/4/1999										
25539	SR520709	55G	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/22/1983	9/22/1983		9/20/2007											
25540	SR520710	55G	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/22/1983	9/22/1983		1/26/2008											
25541	SR520711	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/21/1983	9/21/1983		12/6/2006											
25542	SR520712	55G	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/22/1983	9/22/1983		1/23/2008											
25543	SR520713	55G	EMPLACED_CNTR	2/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/22/1983	9/22/1983		1/22/2008											
25544	SR520716	55G	EMPLACED_CNTR	11/13/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	10/6/1983	5/12/2008		5/12/2008											
25545	SR520716A	55G	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	5/12/2008		5/12/2008		11/4/2008										
25546	SR520717	55G	EMPLACED_CNTR	4/6/2010 18:49	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/6/1983	10/6/1983		2/5/2008											
25547	SR520718	55G	EMPLACED_CNTR	7/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	10/6/1983	2/23/2008		2/23/2008											
25548	SR520718A	55G	EMPLACED_CNTR	11/13/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	2/23/2008		2/23/2008		8/17/2008										
25549	SR520719	55G	EMPLACED_CNTR	1/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/6/1983	10/6/1983		1/19/2008											
25550	SR520720	55G	EMPLACED_CNTR	2/26/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	10/25/1983	5/1/2008		5/1/2008											
25551	SR520720A	55G	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	5/1/2008		5/1/2008		10/24/2008										
25552	SR520722	55G	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/13/1983			2/28/2007											
25553	SR520723	55G	EMPLACED_CNTR	1/14/2010 22:22	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	10/13/1983	10/13/1983		6/29/2004											
25554	SR520724	55G	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/21/1983	9/21/1983		9/21/2007											
25555	SR520725	55G	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	9/22/1983	9/22/1983		10/29/2007											
25556	SR520726	55G	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	9/22/1983	9/22/1983	6/14/2004	5/12/2005	12/7/2004										
25557	SR520727	55G	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	9/22/1983	9/22/1983		6/17/2004											
25558	SR520728	55G	EMPLACED_CNTR	5/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	9/22/1983	9/22/1983		12/5/2006											
25559	SR520729	55G	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	10/25/1983	5/28/2008		5/28/2008											
25560	SR520729A	55G	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	5/28/2008		5/28/2008		11/20/2008										
25561	SR520730	55G	EMPLACED_CNTR	4/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	10/25/1983	10/25/1983		5/1/2008											
25562	SR520731	55G	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	10/25/1983	5/22/2008		5/22/2008											
25563	SR520731A	55G	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	5/22/2008		5/22/2008		11/14/2008										
25564	SR520732	55G	EMPLACED_CNTR	7/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	10/27/1983	10/27/1983		8/30/2007											
25565	SR520733	55G	EMPLACED_CNTR	5/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	11/10/1983	11/10/1983		6/28/2007											
25566	SR520734	55G	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	11/10/1983	5/7/2008		5/7/2008											
25567	SR520734A	55G	EMPLACED_CNTR	10/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	5/7/2008		5/7/2008		10/30/2008										
25568	SR520736	55G	EMPLACED_CNTR	4/16/2010 19:41	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	11/10/1983	3/24/2008		3/24/2008		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE						
25569	SR520737	55G	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/8/1983	3/5/2008		3/5/2008											
25570	SR520737A	55G	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	3/5/2008		3/5/2008		8/28/2008										
25571	SR520738	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/8/1983	12/27/2007		12/27/2007											
25572	SR520738A	55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	12/27/2007		12/27/2007		6/20/2008										
25573	SR520739	55G	EMPLACED_CNTR	11/20/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	12/8/1983	12/8/1983		9/19/2007											
25574	SR520740	55G	EMPLACED_CNTR	1/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Vent	0	12/8/1983	12/8/1983		11/20/2007											
25575	SR520741	55G	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	V&P Purge	0	12/8/1983	12/8/1983		3/17/2004											
25576	SR520742	55G	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/8/1983	2/14/2008		2/14/2008											
25577	SR520742A	55G	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	2/14/2008	7/29/2008	2/14/2008	7/29/2008	8/8/2008										
25578	SR520743	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/20/1983	1/10/2008		1/10/2008											
25579	SR520743A	55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400		0	1/10/2008		1/10/2008		7/4/2008										
25580	SR520744	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/15/1983	7/18/2007		7/18/2007											
25581	SR520745	55G	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-235F-HET	55400	Remediate	1	12/15/1983	2/22/2007		2/22/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
																SWD071129 re-named and WS reassigned from SR-SWMF-MET-A		TRUE	FALSE	TRUE					
25582	SR520745A	SSG	EMPLACED_CNTR	4/4/2013 15:25	3/19/2012 16:06	mccabed	SR-W027-235F-MET	SS400	Remediation		2/22/2007	3/13/2012	2/22/2007	3/13/2012											
25583	SR520746	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	12/15/1983	12/15/1983	12/2/2003	5/18/2005	5/26/2004										
25584	SR520747	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0		12/15/1983		6/24/2004											
25585	SR520748	SSG	EMPLACED_CNTR	9/7/2010 18:41	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/15/1983	1/15/2008		1/15/2008											
25586	SR520748A	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/15/2008		1/15/2008		7/9/2008										
25587	SR520749	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/15/1983	4/25/2008		4/25/2008											
25588	SR520758	SSG	EMPLACED_CNTR	4/12/2010 18:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Purge	0	4/19/1983	4/19/1983		3/23/2008											
25589	SR520759	SSG	EMPLACED_CNTR	9/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/19/1983	4/19/1983		10/29/2007											
25590	SR520760	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Purge	0	4/19/1983	4/19/1983		11/20/2007											
25591	SR520762	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	5/10/1983	11/30/2006	8/11/1994	11/30/2006	2/3/1999										
25592	SR520764	SSG	EMPLACED_CNTR	3/29/2010 23:45	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	5/10/1983	5/10/1983		11/1/2007											
25593	SR520765	SSG	EMPLACED_CNTR	1/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	5/10/1983	5/10/1983		10/30/2007											
25594	SR520767	SSG	EMPLACED_CNTR	6/28/2012 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	5/10/1983	5/10/1983		7/7/2008		09/22/2007 V&P Purge		TRUE	TRUE	TRUE					
25595	SR520768	SSG	EMPLACED_CNTR	11/12/2009 22:11	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Purge	0	5/10/1983	5/10/1983		8/3/2007											
25596	SR520769	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	5/10/1983	3/18/2008		3/18/2008											
25597	SR520769A	SSG	EMPLACED_CNTR	11/21/2009 11:09	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/18/2008		3/18/2008		9/10/2008										
25598	SR520772	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	6/9/1983	5/5/2008		5/5/2008											
25599	SR520773	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	6/9/1983	6/19/2008		6/19/2008											
25600	SR520775	SSG	EMPLACED_CNTR	11/20/2009 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	3/10/1983	3/10/1983		8/2/2007											
25601	SR520776	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Purge	0	3/10/1983	3/10/1983		11/26/2007											
25602	SR520777	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/10/1983	2/28/2008		2/28/2008											
25603	SR520777A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/28/2008		2/28/2008		8/22/2008										
25604	SR520778	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/29/1983	7/10/2008		7/10/2008											
25605	SR520779	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/29/1983	2/28/2008		2/28/2008											
25606	SR520779A	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/28/2008		2/28/2008		8/22/2008										
25607	SR520780	SSG	EMPLACED_CNTR	3/30/2010 18:20	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	3/29/1983	3/29/1983		9/13/2007											
25608	SR520781	SSG	EMPLACED_CNTR	3/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	3/29/1983	3/29/1983		9/13/2007											
25609	SR520782	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	8/4/1983	4/8/2008		4/8/2008											
25610	SR520782A	SSG	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/8/2008		4/8/2008		10/1/2008										
25611	SR520783	SSG	EMPLACED_CNTR	4/8/2010 20:10	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/7/1983	6/19/2008		6/19/2008											
25612	SR520783A	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	6/19/2008	8/26/2008	6/19/2008	8/26/2008	12/12/2008										
25613	SR520784	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/7/1983	4/7/1983		9/13/2007											
25614	SR520785	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	6/9/1983	6/9/1983		7/8/2007											
25615	SR520786	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	6/9/1983	6/9/1983		1/20/2008											
25616	SR520787	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	6/9/1983	6/9/1983		9/21/2007											
25617	SR520788	SSG	EMPLACED_CNTR	2/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	6/9/1983	6/9/1983		1/18/2008											
25618	SR520789	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	6/9/1983	4/15/2008		4/15/2008											
25619	SR520789A	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/15/2008		4/15/2008		10/8/2008										
25620	SR520790	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/21/1983	7/21/1983		8/3/2007											
25621	SR520791	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/21/1983	7/21/1983		9/13/2007											
25622	SR520792	SSG	EMPLACED_CNTR	10/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/21/1983	7/21/1983		4/10/2008											
25623	SR520793	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Purge	0	7/21/1983	7/21/1983		7/14/2004											
25624	SR520794	SSG	EMPLACED_CNTR	4/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/21/1983	7/21/1983		9/4/2007											
25625	SR520795	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/21/1983	7/21/1983		1/10/2008											
25626	SR520796	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	8/4/1983	8/4/1983		6/24/2007											
25627	SR520797	SSG	EMPLACED_CNTR	11/21/2009 11:09	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	8/4/1983	12/4/2007		12/4/2007											
25628	SR520797A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	12/4/2007		12/4/2007		5/28/2008										
25629	SR520798A	SWB	EMPLACED_CNTR	12/27/2012 11:10	5/7/2012 19:46	mccabed	SR-W027-235F-MET	SS400		0	4/21/2011		4/21/2011			SR520798 remediated to SWB per 221-F-55078.	- Rpkgo was SR520798	TRUE	TRUE	TRUE			SR520798		Repack
25630	SR520799	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/22/1983	4/21/2008		4/21/2008											
25631	SR520799A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/21/2008		4/21/2008		10/14/2008										
25632	SR520800	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/22/1983	3/13/2008		3/13/2008											
25633	SR520800A	SSG	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/13/2008		3/13/2008		9/5/2008										
25634	SR522403	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/20/1983	12/31/2007		12/31/2007											
25635	SR522403A	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/31/2007	8/27/2008	12/31/2007	8/27/2008	6/24/2008										
25636	SR522404	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	12/20/1983	12/20/1983		12/5/2006											
25637	SR522405	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	12/20/1983	12/20/1983		10/28/2006											
25638	SR522408	SSG	EMPLACED_CNTR	2/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1		7/14/2004		7/14/2004											
25639	SR522409	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/20/1983	2/4/2006	8/14/1997	2/4/2006	2/6/1998										
25640	SR522410	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/20/1983	5/26/2005	8/8/1997	5/26/2005	1/29/1998										
25641	SR522411	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	12/20/1983		8/8/1997		1/29/1998										
25642	SR522412	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	3/5/2008	8/5/1997	3/5/2008	1/28/1998										
25643	SR522413	SSG	EMPLACED_CNTR	10/18/2010 22:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	4/24/2008	8/5/1997	4/24/2008	1/28/1998										
25644	SR522414	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	1/3/2007	8/5/1997	1/3/2007	1/29/1998										
25645	SR522415	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	1/10/1984	1/10/1984	8/7/1997	12/3/2006	1/30/1998										
25646	SR522416	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	1/10/1984	1/10/1984	8/7/1997	8/13/2006	1/30/1998										
25647	SR522419	SSG	EMPLACED_CNTR	4/19/2010 21:32	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	1/10/1984	1/10/1984		1/31/2008											
25648	SR522420	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	2/29/2008		2/29/2008											
25649	SR522421	SSG	EMPLACED_CNTR	11/21/2009 11:09	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	1/11/2008		1/11/2008											
25650	SR522421A	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/11/2008		1/11/2008		7/5/2008										
25651	SR522422	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	4/30/2008		4/30/2008											
25652	SR522422A	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/30/2008	7/22/2008	4/30/2008	7/22/2008	10/23/2008										
25653	SR522423	SSG	EMPLACED_CNTR	2/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	10/23/2006		10/23/2006											
25654	SR522424	SSG	EMPLACED_CNTR	4/8/2010 20:10	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1984	5/15/2008		5/15/2008											
25655	SR522424A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/15/2008		5/15/2008		11/7/2008										
25656	SR522425	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	1/10/1984	1/10/1984		12/5/2006											
25657	SR522426	SSG	EMPLACED_CNTR	11/13/2009 10:57	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/17/1984	5/16/2008		5/16/2008											
25658	SR522427	SSG	EMPLACED_CNTR	11/12/2009 18:11	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/17/1984	4/17/1984		11/3/2007											
25659	SR522429	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/17/1984	4/25/2008		4/25/2008											
25660	SR522430	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	1/17/1984	1/17/1984		9/18/2007											
25661	SR522432	SSG	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/17/1984	4/17/1984		1/24/2008											
25662	SR522433	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/17/1984	4/17/1984		12/12/2007											
25663	SR522435	SSG	EMPLACED_CNTR	10/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	4/17/1984	4/17/1984		10/23/2006											
25664	SR547003	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/17/1989	8/17/2005	10/17/1989	8/17/2005	4/11/1990										
25665	SR547004	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/17/1989		10/17/1989		4/11/1990										
25666	SR547005	SSG	EMPLACED_CNTR	4/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/17/1989	7/28/2005	10/17/1989	7/28/2005	4/11/1990										
25667	SR547006	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/17/1989	9/12/2006	10/17/1989	9/12/2006	4/11/1990										
25668	SR547007	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/17/1989		10/17/1989		4/11/1990										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25669	SR547008	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/17/1989		10/17/1989		4/11/1990										
25670	SR547010	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/24/1989		10/24/1989		4/18/1990										
25671	SR547011	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/24/1989		10/24/1989		4/18/1990										
25672	SR547012	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/24/1989		10/24/1989		4/18/1990										
25673	SR547013	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/24/1989		10/24/1989		4/18/1990										
25674	SR547014	SSG	EMPLACED_CNTR	8/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/24/1989	1/1/2006	10/24/1989	1/1/2006	4/18/1990										
25675	SR547015	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	10/24/1989		10/24/1989		4/18/1990										
25676	SR547016	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/24/1989	7/11/2006	10/24/1989	7/11/2006	4/18/1990										
25677	SR547017	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/24/1989	3/13/2006	10/24/1989	3/13/2006	4/18/1990										
25678	SR547018	SSG	EMPLACED_CNTR	5/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	10/24/1989	5/2/2006	10/24/1989	5/2/2006	4/18/1990										
25679	SR547018A	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1		5/2/2006		5/2/2006											
25680	SR547024	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/27/1990		2/27/1990		8/22/1990										
25681	SR547025	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/27/1990		2/27/1990		8/22/1990										
25682	SR547026	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/13/1987		11/13/1987		5/7/1988										
25683	SR547027	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/13/1987		11/13/1987		5/7/1988										
25684	SR547028	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/13/1987		11/13/1987		5/7/1988										
25685	SR547029	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/28/1990		3/28/1990		9/20/1990										
25686	SR547030	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/28/1990		3/28/1990		9/20/1990										
25687	SR547031	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/28/1990	8/16/2005	3/28/1990	8/16/2005	9/20/1990										
25688	SR547036	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	9/19/1990		9/19/1990		3/14/1991										
25689	SR547037	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	9/19/1990		9/19/1990		3/14/1991										
25690	SR547040	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/12/1990		4/12/1990		10/5/1990										
25691	SR547042	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/17/1990		5/17/1990		11/9/1990										
25692	SR547043	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/17/1990		5/17/1990		11/9/1990										
25693	SR547044	SSG	EMPLACED_CNTR	3/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/31/1990		5/31/1990		11/13/1990										
25694	SR547045	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/31/1990		5/31/1990		11/13/1990										
25695	SR547047	SSG	EMPLACED_CNTR	7/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	9/18/1990		9/18/1990		3/13/1991										
25696	SR547062	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	9/25/1990		9/25/1990		3/20/1991										
25697	SR547064	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/25/1990	3/31/2006	9/25/1990	3/31/2006	3/20/1991										
25698	SR547067	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/15/1991		4/15/1991		10/8/1991										
25699	SR547069	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/15/1991		4/15/1991		10/8/1991										
25700	SR547070	SSG	EMPLACED_CNTR	11/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	7/30/1991	8/3/2006	7/30/1991	8/3/2006	1/22/1992										
25701	SR557710	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/28/1990		11/28/1990		5/23/1991										
25702	SR557712	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/28/1990		11/28/1990		5/23/1991										
25703	SR557713	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	11/28/1990		11/28/1990		5/23/1991										
25704	SR557717	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	12/21/1990		12/21/1990		6/15/1991										
25705	SR557719	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/21/1990	7/28/2005	12/21/1990	7/28/2005	6/15/1991										
25706	SR557721	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	12/21/1990		12/21/1990		6/15/1991										
25707	SR557723	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/13/1991		2/13/1991		8/8/1991										
25708	SR557724	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/20/1991		1/20/1991		7/15/1991										
25709	SR557728	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/24/1991		1/24/1991		7/19/1991										
25710	SR557730	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/24/1991		1/24/1991		8/2/1991										
25711	SR557732	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/13/1991		2/13/1991		8/8/1991										
25712	SR557733	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/13/1991		2/13/1991		8/8/1991										
25713	SR557734	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	2/14/1991		2/14/1991		8/9/1991										
25714	SR557760	SSG	EMPLACED_CNTR	2/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/20/1992		5/20/1992		11/12/1992										
25715	SR557767	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	7/17/1992	7/4/2005	7/17/1992	7/4/2005	1/8/1993										
25716	SR67792	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	11/16/1973	8/5/2008		8/5/2008											
25717	SR67792A	SSG	EMPLACED_CNTR	3/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	8/5/2008		8/5/2008		11/28/2008										
25718	SR68607	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	8/15/1973	3/13/2008		3/13/2008											
25719	SR68627	SSG	EMPLACED_CNTR	10/18/2010 22:17	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/12/1973	4/1/2008		4/1/2008											
25720	SR68643	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/7/1973	4/2/2008		4/2/2008				TRUE	TRUE	TRUE					
25721	SR68675	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	11/19/1973	3/4/2008		3/4/2008				TRUE	TRUE	TRUE					
25722	SR68683	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/3/1973	6/9/2008		6/9/2008											
25723	SR68683A	SSG	EMPLACED_CNTR	3/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	6/9/2008		6/9/2008		12/2/2008										
25724	SR80499	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/29/1974	7/29/1974	1/25/2000	2/4/2004	7/19/2000										
25725	SR80513	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1		6/26/2005		6/28/2005											
25726	SR80514	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	V&P Vent	0	7/29/1974	7/29/1974	2/7/2000	2/4/2004	7/27/2000										
25727	SR82511	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/25/1975	12/29/2006	3/23/1999	12/29/2006	9/15/1999										
25728	SR82623	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/25/1975		3/3/1999		8/26/1999										
25729	SR82627	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/10/1975		4/5/1999		9/28/1999										
25730	SR82629	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/25/1975		3/23/1999		9/15/1999										
25731	SR82630	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/10/1975	6/10/2005	5/18/1999	6/10/2005	11/10/1999										
25732	SR82632	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/13/1975		12/1/1998		5/26/1999										
25733	SR82633	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/23/1974	6/6/2005	4/6/1999	6/6/2005	9/29/1999										
25734	SR82634	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/23/1974	6/11/2005	4/5/1999	6/11/2005	9/28/1999										
25735	SR82636	SSG	EMPLACED_CNTR	3/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	1/17/1975		4/5/1999		9/28/1999										
25736	SR82644	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	12/6/1974	2/4/2006	4/5/1999	2/4/2006	9/28/1999										
25737	SR85279	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	5/1/1975	6/4/2005	2/24/1999	6/4/2005	8/19/1999										
25738	SR85280	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/8/1975		3/23/1999		9/15/1999										
25739	SR85734	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/11/1975		3/7/1999		5/31/2000										
25740	SR85736	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/11/1975	6/12/2005	3/4/1999	6/12/2005	8/27/1999										
25741	SR85737	SSG	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/11/1975	5/22/2005	3/3/1999	5/22/2005	8/26/1999										
25742	SR85738	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/11/1975	6/6/2005	4/21/1999	6/6/2005	10/14/1999										
25743	SR85780	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	7/27/1976	5/27/2005	6/24/1999	5/27/2005	12/17/1999										
25744	SR85781	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	7/29/1976							TRUE	TRUE	TRUE					
25745	SR85792	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	9/30/1976	6/12/2005	6/10/1999	6/12/2005	12/3/1999										
25746	SR85809	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	2/26/1975	6/4/2005	5/12/1999	6/4/2005	11/4/1999										
25747	SR85812	SSG	EMPLACED_CNTR	3/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	3/25/1975		3/3/1999		8/26/1999										
25748	SR85813	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/25/1975	6/9/2005	4/21/1999	6/9/2005	10/14/1999										
25749	SR85814	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/25/1975	6/17/2005	3/4/1999	6/17/2005	8/27/1999										
25750	SR85815	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/25/1975	5/24/2005	3/3/1999	5/24/2005	8/26/1999										
25751	SR85817	SSG	EMPLACED_CNTR	8/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	3/25/1975	6/1/2005	3/23/1999	6/1/2005	9/15/1999										
25752	SR85818	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	4/11/1975	6/11/2005	3/4/1999	6/11/2005	8/27/1999										
25753	SR85821	SSG	EMPLACED_CNTR	4/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	2/26/1975	6/10/2005	5/12/1999	6/10/2005	11/4/1999										
25754	SR85838	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	4/2/1976		3/4/1999		8/27/1999										
25755	SR85845	SSG	EMPLACED_CNTR	8/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400		0	5/20/1976		3/8/1999		8/31/1999										
25756	SR85854	SSG	EMPLACED_CNTR	8/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-MET	SS400	Remediate	1	1/5/1976	1/22/2007	3/2/1999	1/22/2007	8/25/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25757	SR85865	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400		0	7/19/1976		8/1/1999		8/24/1999										
25758	SR95922	SSG	EMPLACED_CNTR	7/21/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400		0	9/28/1978		5/12/1999		11/4/1999										
25759	SR95929	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	9/28/1978	7/5/2004	5/12/1999	7/5/2004	11/4/1999										
25760	SR95930	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	9/28/1978	2/15/2006	5/26/1999	2/15/2006	11/18/1999										
25761	SR95934	SSG	EMPLACED_CNTR	5/27/2005	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	9/28/1978	7/4/2004	5/26/1999	7/4/2004	11/18/1999										
25762	SR97657	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	2/24/1977	6/25/2005		6/25/2005											
25763	SR97658	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400		0	2/24/1977		6/24/1999		12/17/1999										
25764	SR97664	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	3/23/1977	5/22/2005	6/3/1999	5/22/2005	11/26/1999										
25765	SR97683	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	9/1/1977	6/17/2005	8/19/1999	6/17/2005	2/11/2000										
25766	SR97684	SSG	EMPLACED_CNTR	8/16/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	9/1/1977	1/25/2007	8/24/1999	1/25/2007	2/16/2000										
25767	SR97695	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HET	S5400	Remediate	1	11/22/1977	5/27/2005	9/25/1999	5/27/2005	9/17/1999										
25768	SRSB01224	SWB			4/27/2012 16:51	mccabed	SR-WO27-235F-HET	S5400			4/20/2012		4/20/2012				/ Repacked was SRS06755 / Repacked was SRS10312B / Repacked was SRS15047									
25769	SWO071371	SSG	EMPLACED_CNTR	4/11/2013 15:07	7/23/2012 14:13	mccabed	SR-WO27-235F-HET	S5400			6/11/2007		6/11/2007			SWO071371 re-named SRS13072A and WS reassigned from SR-SWMF-HET-A; This renumbering protocol has been cancelled and this container has been changed back to the original ID per JLundsford (LWatson email 072312.)		TRUE	FALSE	TRUE					
25770	WMAPSLB001	SLB2	EMPLACED_CNTR	7/21/2013 9:42	5/1/2012 19:54	mccabed	SR-WO27-235F-HET	S5400			2/7/2012		2/7/2012	2/7/2012		updated per JBiedscheid email 050112.	/ Repacked was SRS18552 / Repacked was SRS18739	TRUE	FALSE	TRUE					
25771	WMAPSLB002	SLB2	APPROVED_CERT		5/1/2012 18:51	mccabed	SR-WO27-235F-HET	S5400			2/7/2012		2/7/2012	2/7/2012		Updated per JBiedscheid email 041212.	/ Repacked was SRS18547 / Repacked was SRS18738 / Repacked was SRS20763 / Repacked was SRS20771	TRUE	FALSE	TRUE					
25772	WMAPSWB348	SWB	EMPLACED_CNTR	6/9/2012 10:58	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
25773	WMAPSWB349	SWB	EMPLACED_CNTR	9/8/2011 20:33	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/6/2011		1/6/2011		7/1/2011			TRUE	TRUE	TRUE					
25774	WMAPSWB400	SWB	EMPLACED_CNTR	8/8/2011 0:40	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	12/22/2010		12/22/2010		6/16/2011			TRUE	TRUE	TRUE					
25775	WMAPSWB401	SWB	EMPLACED_CNTR	3/21/2012 16:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-235F-HET	S5400		0	12/23/2010		12/23/2010		6/17/2011			TRUE	TRUE	TRUE					
25776	WMAPSWB402	SWB	EMPLACED_CNTR	4/10/2011 12:54	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-235F-HET	S5400		0	12/23/2010		12/23/2010		6/17/2011			TRUE	TRUE	TRUE					
25777	WMAPSWB403	SWB	EMPLACED_CNTR	4/10/2011 14:11	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-235F-HET	S5400		0	12/27/2010		12/27/2010		6/21/2011			TRUE	TRUE	TRUE					
25778	WMAPSWB404	SWB	EMPLACED_CNTR	3/21/2012 16:04	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-235F-HET	S5400		0	12/27/2010		12/27/2010		6/21/2011			TRUE	TRUE	TRUE					
25779	WMAPSWB405	SWB	EMPLACED_CNTR	5/2/2011 23:09	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	12/29/2010		12/29/2010		6/23/2011			TRUE	TRUE	TRUE					
25780	WMAPSWB406	SWB	EMPLACED_CNTR	5/3/2011 15:51	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	12/29/2010		12/29/2010		6/23/2011			TRUE	TRUE	TRUE					
25781	WMAPSWB407	SWB	EMPLACED_CNTR	4/6/2011 15:14	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	12/30/2010		12/30/2010		6/24/2011			TRUE	TRUE	TRUE					
25782	WMAPSWB408	SWB	EMPLACED_CNTR	5/5/2011 19:27	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	12/30/2010		12/30/2010		6/24/2011			TRUE	TRUE	TRUE					
25783	WMAPSWB408	SWB	EMPLACED_CNTR	8/4/2011 0:28	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/5/2011		1/5/2011		6/30/2011			TRUE	TRUE	TRUE					
25784	WMAPSWB43B	SWB	EMPLACED_CNTR	11/19/2011 14:18	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	12/31/1981	1/6/2011	12/31/1981	1/6/2011	6/25/1982		Rpkgd Was SR516772 and SR516779	TRUE	TRUE	TRUE					
25785	WMAPSWB411	SWB	EMPLACED_CNTR	5/5/2011 19:27	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/7/2011		1/7/2011		7/2/2011			TRUE	TRUE	TRUE					
25786	WMAPSWB412	SWB	EMPLACED_CNTR	5/5/2011 19:27	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/7/2011		1/7/2011		7/2/2011			TRUE	TRUE	TRUE					
25787	WMAPSWB413	SWB	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/19/2011		1/19/2011		7/14/2011			TRUE	TRUE	TRUE					
25788	WMAPSWB414	SWB	EMPLACED_CNTR	8/4/2011 15:14	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/19/2011		1/19/2011		7/14/2011			TRUE	TRUE	TRUE					
25789	WMAPSWB415	SWB	EMPLACED_CNTR	8/29/2011 14:31	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/20/2011		1/20/2011		7/15/2011			TRUE	TRUE	TRUE					
25790	WMAPSWB416	SWB	EMPLACED_CNTR	7/31/2011 12:16	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/20/2011		1/20/2011		7/15/2011			TRUE	TRUE	TRUE					
25791	WMAPSWB417	SWB	EMPLACED_CNTR	8/8/2011 0:40	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/21/2011		1/21/2011		7/16/2011			TRUE	TRUE	TRUE					
25792	WMAPSWB418	SWB	EMPLACED_CNTR	8/25/2011 22:12	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/21/2011		1/21/2011		7/16/2011			TRUE	TRUE	TRUE					
25793	WMAPSWB419	SWB	EMPLACED_CNTR	8/20/2011 13:27	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/24/2011		1/24/2011		7/19/2011			TRUE	TRUE	TRUE					
25794	WMAPSWB420	SWB	EMPLACED_CNTR	8/11/2011 18:33	4/28/2011 7:05	MORRISJ	SR-WO27-235F-HET	S5400		0	1/24/2011		1/24/2011					TRUE	TRUE	TRUE					
25795	WMAPSWB421	SWB	EMPLACED_CNTR	3/18/2012 15:46	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/25/2011		1/25/2011		7/20/2011			TRUE	TRUE	TRUE					
25796	WMAPSWB422	SWB	EMPLACED_CNTR	8/24/2011 10:35	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	1/25/2011		1/25/2011		7/20/2011			TRUE	TRUE	TRUE					
25797	WMAPSWB423	SWB	EMPLACED_CNTR	9/8/2011 19:07	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	2/1/2011		2/1/2011		7/27/2011			TRUE	TRUE	TRUE					
25798	WMAPSWB424	SWB	EMPLACED_CNTR	9/13/2011 23:20	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	2/7/2011		2/7/2011		8/2/2011			TRUE	TRUE	TRUE					
25799	WMAPSWB425	SWB	EMPLACED_CNTR	8/20/2011 14:33	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	Vent	0	3/11/2011		3/11/2011		5/6/1981		- Rpkgd Was SRS10382 and SRS16777	TRUE	TRUE	TRUE					
25800	WMAPSWB426	SWB	EMPLACED_CNTR	8/18/2011 18:33	4/28/2011 6:00	idcweibuser	SR-WO27-235F-HET	S5400		0	2/7/2011		2/7/2011		8/2/2011			TRUE	TRUE	TRUE					
25801	WMAPSWB427	SWB	EMPLACED_CNTR	8/15/2011 23:42	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	2/11/2011		2/11/2011				Rpkgd Was SRS10392 and SRS18701	TRUE	TRUE	TRUE					
25802	WMAPSWB428	SWB	EMPLACED_CNTR	9/29/2011 23:49	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	2/11/2011		2/11/2011				Rpkgd Was SRS15098 and SRS18750	TRUE	TRUE	TRUE					
25803	WMAPSWB429	SWB	EMPLACED_CNTR	8/4/2011 15:14	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	2/17/2011		2/17/2011				Rpkgd Was SRS18772 and SRS10385	TRUE	TRUE	TRUE					
25804	WMAPSWB430	SWB	EMPLACED_CNTR	7/31/2011 12:16	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	2/17/2011		2/17/2011		10/24/1980		Rpkgd Was SRS12270 and SRS18702	TRUE	TRUE	TRUE					
25805	WMAPSWB431	SWB	EMPLACED_CNTR	9/11/2011 9:57	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	2/18/2011		2/18/2011				Rpkgd Was SRS12265 and SRS18530	TRUE	TRUE	TRUE					
25806	WMAPSWB432	SWB	EMPLACED_CNTR	9/19/2011 14:13	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	Vent	0	3/3/2011		3/3/2011				- Rpkgd Was SRS10386 and SRS18548	TRUE	TRUE	TRUE					
25807	WMAPSWB433	SWB	EMPLACED_CNTR	9/8/2011 20:33	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	Vent	0	3/3/2011		3/3/2011				- Rpkgd Was SRS10384 and SRS40382	TRUE	TRUE	TRUE					
25808	WMAPSWB434	SWB	EMPLACED_CNTR	8/20/2011 13:27	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	Vent	0	3/4/2011		3/4/2011				- Rpkgd Was SRS12269 and SRS15270	TRUE	TRUE	TRUE					
25809	WMAPSWB435	SWB	EMPLACED_CNTR	9/10/2011 14:14	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	Vent	0	3/4/2011		3/4/2011				- Rpkgd Was SRS18576 and SRS20714	TRUE	TRUE	TRUE					
25810	WMAPSWB437	SWB	EMPLACED_CNTR	9/11/2011 9:57	4/28/2011 6:00	mccabed	SR-WO27-235F-HET	S5400	None	0	3/10/2011		3/10/2011				- Rpkgd Was SRS18773 and SRS20735	TRUE	TRUE	TRUE					
25811	WMAPSWB532	SWB	EMPLACED_CNTR	12/3/2012 8:54	3/15/2012 12:41	mccabed	SR-WO27-235F-HET	S5400		0	2/7/2012		2/7/2012			Inner container SRS10377	- Rpkgd was SRS10377	TRUE	TRUE	TRUE			SRS10377		Repack
25812	WMAPSWB513	SWB	APPROVED_CERT		7/12/2012 10:12	mccabed	SR-WO27-235F-HET	S5400		0	2/7/2012	6/12/2012	2/7/2012	6/12/2012		Inner container SRS18581; Tru Waste Remediation 221-F-SS078	- Rpkgd was SRS18581	TRUE	TRUE	TRUE			SRS18581		Repack
25813	WMAPSWB528	SWB	EMPLACED_CNTR	12/2/2012 8:51	4/19/2012 13:39	mccabed	SR-WO27-235F-HET	S5400	None	0	4/19/2012		4/19/2012			SW15_3-SOP-ICNCC-01 SWB Loading Data Sheet.	Rpkgd was SRS18580	TRUE	TRUE	TRUE					
25814	SRS57739	SSG	EMPLACED_CNTR	11/15/2012 14:47	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100			2/27/1991		2/27/1991		8/23/1991	added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25815	SRS57740	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100		0	2/27/1991		2/27/1991		8/22/1991	added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons; ventdate1 removed due to sample port only DMC per JRoveseas 040709		TRUE	TRUE	TRUE					
25816	SRS57741	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100	Remediate	1	2/27/1991	8/7/2008	2/27/1991	8/7/2008	8/22/1991	added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25817	SRS57742	SSG	EMPLACED_CNTR	10/24/2012 9:43	5/1/2012 19:27	mccabed	SR-WO27-235F-HOM	S3100			3/21/1991		3/21/1991			added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25818	SRS57743	SSG	EMPLACED_CNTR	11/4/2012 13:30	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100	Remediate	1	2/27/1991	8/20/2008	2/27/1991	8/20/2008	8/22/1991	added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25819	SRS57743A	SSG	EMPLACED_CNTR	12/7/2012 9:28	5/1/2012 19:27	mccabed	SR-WO27-235F-HOM	S3100		0	8/20/2008		8/20/2008					TRUE	TRUE	TRUE					
25820	SRS57743B	SSG	EMPLACED_CNTR	11/14/2012 14:37	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100		0	8/20/2008		8/20/2008		2/12/2009			TRUE	TRUE	TRUE					
25821	SRS57744	SSG	EMPLACED_CNTR	10/24/2012 9:43	5/1/2012 19:28	mccabed	SR-WO27-235F-HOM	S3100	Remediate	1	2/27/1991	8/20/2008	2/27/1991	8/20/2008		added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25822	SRS57744A	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100		0	8/20/2008		8/20/2008		2/12/2009			TRUE	TRUE	TRUE					
25823	SRS57745	SSG	EMPLACED_CNTR	11/4/2012 10:04	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100	Remediate	1	2/27/1991	8/21/2008	2/27/1991	8/21/2008	8/22/1991	added per J.Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25824	SRS57745A	SSG	EMPLACED_CNTR	11/4/2012 12:43	4/28/2011 6:00	WWS_Updt	SR-WO27-235F-HOM	S3100	Remediate	0	8/21/2008	12/16/2009	8/21/2008	12/16/2009	2/13/2009			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25825	SR557746	SSG	EMPLACED_CNTR	11/4/2012 12:43	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100	Remediate	1	2/27/1991	8/27/2008	2/27/1991	8/27/2008	8/22/1991	added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25826	SR557746A	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100		0	8/27/2008		8/27/2008		2/19/2009			TRUE	TRUE	TRUE					
25827	SR557747	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100	Remediate	1	2/28/1991	8/21/2008	2/28/1991	8/21/2008	8/23/1991	added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25828	SR557747A	SSG	EMPLACED_CNTR	11/4/2012 12:43	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100	Remediate	0	8/21/2008	12/15/2009	8/21/2008	12/15/2009	2/13/2009			TRUE	TRUE	TRUE					
25829	SR557748	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100		0	2/27/1991		2/27/1991		8/22/1991	added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons; ventdate1 removed due to sample port only DMc per A Cantu email 32409		TRUE	TRUE	TRUE					
25830	SR557750	SSG	EMPLACED_CNTR	10/24/2012 9:43	5/1/2012 19:30	mccabed	SR-W027-235F-HOM	S3100		0	2/27/1991		2/27/1991			added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons; ventdate1 removed due to sample port only DMc per A Cantu email 32409		TRUE	TRUE	TRUE					
25831	SR557751	SSG	EMPLACED_CNTR	11/4/2012 10:03	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100		0	2/27/1991		2/27/1991		8/22/1991	added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons; ventdate1 removed due to sample port only DMc per A Cantu email 32409		TRUE	TRUE	TRUE					
25832	SR557752	SSG	EMPLACED_CNTR	10/24/2012 9:43	5/1/2012 19:30	mccabed	SR-W027-235F-HOM	S3100		0	2/27/1991		2/27/1991			added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons; ventdate1 removed due to sample port only DMc per A Cantu email 32409		TRUE	TRUE	TRUE					
25833	SR557759	SSG	EMPLACED_CNTR	11/4/2012 12:43	4/28/2011 6:00	WWIS_Updt	SR-W027-235F-HOM	S3100	Remediate	1	3/21/1991	8/6/2008	3/21/1991	8/6/2008	9/13/1991	added per J Harrison 07/10/08 - LAR, SampSCen info per C. Simmons		TRUE	TRUE	TRUE					
25834	SR5001753	SSG	EMPLACED_CNTR	4/4/2013 15:25	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1975		11/14/2007					TRUE	TRUE	TRUE					
25835	SR5001753	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1975		11/15/2007					TRUE	TRUE	TRUE					
25836	SR5001752	SSG	EMPLACED_CNTR	4/4/2013 15:25	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1975		11/14/2007					TRUE	TRUE	TRUE					
25837	SR505375	SSG	EMPLACED_CNTR	4/10/2013 14:13	8/22/2012 11:26	mccabed	SR-W027-321-322M-HET	S5400			11/17/1977		11/17/1977			Added per JSchoen email 081112.		TRUE	FALSE	TRUE	NA				
25838	SR508802	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/19/1998					TRUE	TRUE	TRUE					
25839	SR508804	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/24/1998					TRUE	TRUE	TRUE					
25840	SR508805	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/24/1998					TRUE	TRUE	TRUE					
25841	SR508806	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/19/1998					TRUE	TRUE	TRUE					
25842	SR508807	SSG	EMPLACED_CNTR	4/4/2013 15:25	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/23/1998					TRUE	TRUE	TRUE					
25843	SR508808	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/24/1998					TRUE	TRUE	TRUE					
25844	SR508809	SSG	EMPLACED_CNTR	4/10/2013 14:13	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			5/8/1980		2/24/1998					TRUE	TRUE	TRUE					
25845	SR515741	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		4/6/1998					TRUE	TRUE	TRUE					
25846	SR515741	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		5/7/2009					TRUE	TRUE	TRUE					
25847	SR515742	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		4/13/1998					TRUE	TRUE	TRUE					
25848	SR515743	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		3/26/1998					TRUE	TRUE	TRUE					
25849	SR515744	SSG	APPROVED_CERT		1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		5/19/2009					TRUE	TRUE	TRUE					
25850	SR515745	SSG	EMPLACED_CNTR	4/10/2013 14:13	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		5/26/2009					TRUE	TRUE	TRUE					
25851	SR515746	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		4/16/1998					TRUE	TRUE	TRUE					
25852	SR515747	SSG	EMPLACED_CNTR	4/10/2013 14:13	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		3/26/1998					TRUE	TRUE	TRUE					
25853	SR515748	SSG	EMPLACED_CNTR	4/10/2013 14:27	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		5/27/2009					TRUE	TRUE	TRUE					
25854	SR515749	SSG	EMPLACED_CNTR	4/4/2013 15:25	1/12/2012 15:17	mccabed	SR-W027-321-322M-HET	S5400			6/19/1980		3/26/1998					TRUE	TRUE	TRUE					
25855	SR500174	SSG	EMPLACED_CNTR	6/14/2013 9:17	9/20/2012 9:17	mccabed	SR-W027-321-334M-HOM	S3114			5/8/1975	8/7/2008	11/15/2007	8/7/2008		Container sent to Idaho for Solid Sampling.		TRUE	TRUE	TRUE					
25856	773A000002	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/14/1999		10/14/1999		4/7/2000										
25857	773A000003	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/29/1999		10/29/1999		4/22/2000										
25858	773A000004	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	6/26/2000	8/26/2000	9/26/2000	11/23/2004	12/19/2000										
25859	773A000005	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	11/2/1999		11/2/1999		4/26/2000										
25860	773A000006	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/8/2000		3/8/2000		8/31/2000										
25861	773A000007	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/7/2000		3/7/2000		8/30/2000										
25862	773A000008	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	2/29/2000		2/29/2000		8/23/2000										
25863	773A000009	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/31/2000		1/31/2000		7/25/2000										
25864	773A000010	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/3/2000	10/26/2006	5/3/2000	10/26/2006	10/26/2000										
25865	773A000011	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/31/2000		1/31/2000		7/25/2000										
25866	773A000012	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/14/1999	11/23/2004	10/14/1999	11/23/2004	4/7/2000										
25867	773A000013	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	8/10/2000	8/10/2000	8/10/2000	11/22/2004	2/2/2001										
25868	773A000014	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	8/10/2000	8/10/2000	8/10/2000	7/28/2004	2/2/2001										
25869	773A000015	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	9/1/2000	9/1/2000	9/1/2000	11/23/2004	2/24/2001										
25870	773A000016	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	9/1/2000	9/1/2000	9/1/2000	7/28/2004	2/24/2001										
25871	773A000017	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	10/27/2000	10/27/2000	10/27/2000	11/30/2004	4/21/2001										
25872	773A000018	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	3/20/2001	3/20/2001	3/20/2001	11/26/2004	9/12/2001										
25873	773A000019	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/20/2001		3/20/2001		9/12/2001										
25874	773A000020	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/27/2001		3/27/2001		9/19/2001										
25875	773A000110A	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		10/26/2006		10/26/2006											
25876	773A010021	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	3/29/2001	3/29/2001	3/29/2001	11/23/2004	9/21/2001										
25877	773A010022	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	3/29/2001	3/29/2001	3/29/2001	11/23/2004	9/21/2001										
25878	773A010023	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	3/29/2001	3/29/2001	3/29/2001	11/23/2004	9/21/2001										
25879	773A010024	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/3/2001	11/18/2004	5/3/2001	11/18/2004	10/26/2001										
25880	773A010025	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	5/10/2001	5/10/2001	5/10/2001	10/24/2005	11/1/2001										
25881	773A010026	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	5/2/2001	5/2/2001	5/2/2001	7/28/2004	10/25/2001										
25882	773A010027	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	6/7/2001	6/7/2001	6/7/2001	7/28/2004	11/30/2001										
25883	773A010028	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/12/2001	12/26/2006	5/12/2001	12/26/2006	11/14/2001										
25884	773A010029	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	6/20/2001	6/20/2001	6/20/2001	7/28/2004	12/13/2001										
25885	773A010030	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	5/10/2001	5/10/2001	5/10/2001	11/24/2004	11/2/2001										
25886	773A010031	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	8/6/2001	8/6/2001	8/6/2001	7/28/2004	1/29/2002										
25887	773A010032	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	7/17/2001	7/17/2001	7/17/2001	11/23/2004	1/9/2002										
25888	773A010033	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/23/2001		8/23/2001		2/15/2002										
25889	773A010034	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/21/2001		8/21/2001		2/13/2002										
25890	773A010035	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/23/2001		8/23/2001		2/15/2002										
25891	773A010036	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	2/4/2002	2/4/2002	2/4/2002	11/23/2004	7/30/2002										
25892	773A010037	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/15/2002		1/15/2002		7/10/2002										
25893	773A010038	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	12/17/2001		12/17/2001		6/11/2002										
25894	773A010039	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	2/4/2002		2/4/2002		7/30/2002										
25895	773A010040	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/2/2001		10/2/2001		3/17/2002										
25896	773A010041	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	12/17/2001		12/17/2001		6/11/2002										
25897	773A010042	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/15/2002	11/18/2004	1/15/2002	11/18/2004	7/10/2002										
25898	773A010228A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		12/20/2006		12/20/2006											
25899	773A020002	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/25/2002		4/25/2002		10/18/2002										
25900	773A020003	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/10/2002		4/10/2002		10/3/2002										
25901	773A020004	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/18/2002		3/18/2002		9/10/2002										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25902	773A020005	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	2/21/2002		2/21/2002		8/16/2002										
25903	773A020006	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	2/26/2002		2/26/2002		8/21/2002										
25904	773A020007	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	4/22/2002		4/22/2002		10/15/2002										
25905	773A020008	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/6/2003	12/7/2006	5/6/2003	12/7/2006	10/29/2003										
25906	773A020009	55G	EMPLACED_CNTR	8/28/2010 14:31	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	12/3/2002		12/3/2002		5/28/2003										
25907	773A020010	55G	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	6/12/2002		6/12/2002		12/5/2002										
25908	773A020011	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	8/29/2002		8/29/2002		2/21/2003										
25909	773A020012	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	3/25/2002		3/25/2002		9/17/2002										
25910	773A020013	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	4/1/2002		4/1/2002		9/24/2002										
25911	773A020014	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	1/14/2002		1/14/2002		7/9/2002										
25912	773A020016	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	V&P Vent	0	2/18/2003	2/18/2003	2/18/2003	10/15/2006	8/13/2003										
25913	773A020017	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	5/16/2002		5/16/2002		11/8/2002										
25914	773A020018	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	7/26/2002		7/26/2002		1/18/2003										
25915	773A020019	55G	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/17/2002	11/21/2004	9/17/2002	11/21/2004	3/12/2003										
25916	773A020020	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	10/4/2002		10/4/2002		3/29/2003										
25917	773A020021	55G	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	5/7/2003		5/7/2003		10/30/2003										
25918	773A020022	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	12/10/2002		12/10/2002		8/4/2003										
25919	773A020023	55G	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	2/19/2003		2/19/2003		8/14/2003										
25920	773A020024	55G	EMPLACED_CNTR	8/15/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/4/2002	11/21/2004	10/4/2002	11/21/2004	3/29/2003										
25921	773A030001	55G	EMPLACED_CNTR	1/25/2010 19:41	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	V&P Vent	0	6/10/2003	6/10/2003	6/10/2003	10/20/2006	12/3/2003										
25922	773A030002	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	4/3/2003		4/3/2003		9/26/2003										
25923	773A030003	55G	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	4/14/2003		4/14/2003		10/7/2003										
25924	773A030004	55G	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	2/18/2003		2/18/2003		8/13/2003										
25925	773A030005	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	5/7/2003		5/7/2003		10/30/2003										
25926	773A030006	55G	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	6/10/2003		6/10/2003		12/3/2003										
25927	773A030008	55G	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	4/25/2003		4/25/2003		10/18/2003										
25928	773A030009	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/22/2003	8/28/2006	7/22/2003	8/28/2006	1/14/2004										
25929	773A030010	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/27/2005		4/27/2005		10/20/2005										
25930	773A030012	55G	EMPLACED_CNTR	3/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/9/2005		4/9/2005		10/2/2005										
25931	773A030013	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/10/2004		8/10/2004		2/2/2005										
25932	773A030014	55G	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	7/23/2003		7/23/2003		1/15/2004										
25933	773A030015	55G	EMPLACED_CNTR	5/17/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/11/2004		8/11/2004		2/3/2005										
25934	773A030016	55G	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	8/12/2003		8/12/2003		2/4/2004										
25935	773A030017	55G	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	7/17/2003		7/17/2003		1/9/2004										
25936	773A030018	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/15/2003		10/15/2003		4/8/2004										
25937	773A030019	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			6/17/2004		6/17/2004		12/10/2004										
25938	773A030020	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/15/2003		10/15/2003		4/8/2004										
25939	773A030021	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			3/13/2004		3/13/2004		9/15/2004										
25940	773A030023	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/3/2003		12/3/2003		5/27/2004										
25941	773A030024	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2004		1/24/2004		7/18/2004										
25942	773A030026	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	7/31/2003		7/31/2003		1/23/2004										
25943	773A030027	55G	EMPLACED_CNTR	12/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			3/1/2004		3/1/2004		8/24/2004										
25944	773A030028	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/14/2004		1/14/2004		7/8/2004										
25945	773A030029	55G	EMPLACED_CNTR	2/23/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/4/2004	8/29/2006	1/4/2004	8/29/2006	6/28/2004										
25946	773A040001	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			5/23/2004		5/23/2004		11/15/2004										
25947	773A040002	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/6/2004		4/6/2004		9/29/2004										
25948	773A040003	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			9/30/2004		9/30/2004		3/25/2005										
25949	773A040004	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/13/2004		10/13/2004		4/7/2005										
25950	773A040005	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/19/2004		8/19/2004		2/11/2005										
25951	773A040006	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			7/14/2004		7/14/2004		1/6/2005										
25952	773A040007	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/12/2004	8/16/2006	5/12/2004	8/16/2006	11/4/2004										
25953	773A040009	55G	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/1/2005	1/17/2007	6/1/2005	1/17/2007	11/24/2005										
25954	773A040010	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25955	773A040011	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/13/2005		4/13/2005		10/6/2005										
25956	773A040012	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/18/2005		1/18/2005		7/13/2005										
25957	773A040013	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/13/2004		12/13/2004		6/7/2005										
25958	773A040014	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			6/8/2004		6/8/2004		12/1/2004										
25959	773A040015	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/13/2004		12/13/2004		6/7/2005										
25960	773A04009A	55G	EMPLACED_CNTR	4/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1		1/17/2007		1/17/2007											
25961	773A050001	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			6/6/2005		6/6/2005		11/29/2005										
25962	773A050002	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/13/2004		12/13/2004		6/7/2005										
25963	773A050003	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/19/2005		8/19/2005		2/2/2006										
25964	773A050006	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/27/2005		1/27/2005		7/22/2005										
25965	773A050007	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/8/2004		12/8/2004		6/2/2005										
25966	773A050008	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			12/8/2004		12/8/2004		6/2/2005										
25967	773A050010	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			2/23/2005		2/23/2005		8/18/2005										
25968	773A050011	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/14/2005		4/14/2005		10/7/2005										
25969	773A050012	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			4/14/2005		4/14/2005		10/7/2005										
25970	773A050013	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			6/2/2005		6/2/2005		11/15/2005										
25971	773A050014	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/14/2005	10/26/2006	11/14/2005	10/26/2006	5/9/2006										
25972	773A050015	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			6/6/2005		6/6/2005		11/29/2005										
25973	773A050016	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/10/2005		8/10/2005		2/2/2006										
25974	773A050017	55G	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	8/30/2006		8/30/2006		2/23/2007										
25975	773A050018	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/13/2005		10/13/2005		4/7/2006										
25976	773A050019	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/12/2005		10/12/2005		4/6/2006										
25977	773A050020	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25978	773A050021	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/9/2005		8/9/2005		2/1/2006										
25979	773A050022	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			8/30/2005		8/30/2005		2/23/2006										
25980	773A050023	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			10/12/2005		10/12/2005		4/6/2006										
25981	773A050024	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25982	773A050025	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			11/14/2005		11/14/2005		5/9/2006										
25983	773A050027	55G	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	1/17/2007		1/17/2007		7/12/2007										
25984	773A050028	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/31/2006	10/30/2006	1/31/2006	10/30/2006	7/26/2006										
25985	773A050029	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25986	773A050030	55G	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25987	773A050031	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			1/24/2006		1/24/2006		7/19/2006										
25988	773A060001	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400			2/13/2006		2/13/2006		8/8/2006										
25989	773A060002	55G	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-HET	S5400		0	10/11/2006		10/11/2006		4/5/2007										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
25990	773A060003	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/5/2006		10/5/2006		3/30/2007										
25991	773A060004	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	6/21/2006		6/21/2006		12/14/2006										
25992	773A060005	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	6/16/2006		6/16/2006		12/5/2006										
25993	773A060006	SSG	EMPLACED_CNTR	4/13/2011 22:10	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/9/2006	12/7/2009	5/9/2006	12/7/2009	11/3/2006	WWS_Status_APPROVED_CERT		TRUE	TRUE	TRUE					
25994	773A060007	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	7/10/2008		7/10/2008		1/1/2009										
25995	773A060008	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/19/2006		4/19/2006		10/12/2006										
25996	773A060009	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	6/16/2006		6/16/2006		11/9/2006										
25997	773A060010	SSG	EMPLACED_CNTR	8/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	7/26/2006		7/26/2006		1/18/2007										
25998	773A060011	SSG	EMPLACED_CNTR	1/22/2011 14:58	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	0	1/23/2007	12/22/2009	1/23/2007	12/22/2009	7/18/2007			TRUE	TRUE	TRUE					
25999	773A060012	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	8/22/2006		8/22/2006		2/14/2007										
26000	773A060013	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/3/2006	2/18/2008	10/3/2006	2/18/2008	3/28/2007										
26001	773A060014	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/11/2006		10/11/2006		4/5/2007										
26002	773A060015	SSG	EMPLACED_CNTR	8/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	11/6/2006		11/6/2006		5/1/2007										
26003	773A060016	SSG	EMPLACED_CNTR	7/3/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/16/2006		10/16/2006		4/10/2007										
26004	773A060017	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/16/2006		10/16/2006		4/10/2007										
26005	773A060018	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	11/6/2006		11/6/2006		5/1/2007										
26006	773A070001	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	6/21/2007		6/21/2007		12/14/2007										
26007	773A070002	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/28/2007		2/28/2007		8/23/2007										
26008	773A070003	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/1/2007		10/1/2007		3/25/2008										
26009	773A070004	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/23/2007		1/23/2007		7/18/2007										
26010	773A070005	SSG	EMPLACED_CNTR	8/28/2010 14:31	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/28/2008		1/28/2008		7/22/2008										
26011	773A070006	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/1/2007		10/1/2007		3/25/2008										
26012	773A070007	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/9/2007		5/9/2007		11/1/2007										
26013	773A070008	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/3/2007		1/3/2007		6/28/2007										
26014	773A070009	SSG	EMPLACED_CNTR	8/1/2011 13:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/4/2007	12/17/2010	1/4/2007	12/17/2010	6/29/2007			TRUE	TRUE	TRUE					
26015	773A070010	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/4/2007		1/4/2007		6/29/2007										
26016	773A070011	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/4/2007		1/4/2007		6/29/2007										
26017	773A070012	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/10/2007		5/10/2007		11/1/2007										
26018	773A070013	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/16/2007		4/16/2007		10/9/2007										
26019	773A070014	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/23/2007	1/28/2008	1/23/2007	1/28/2008	7/18/2007										
26020	773A070015	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/23/2007	1/28/2008	1/23/2007	1/28/2008	7/18/2007										
26021	773A070016	SSG	EMPLACED_CNTR	2/19/2012 9:26	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			1/4/2008		1/4/2008					TRUE	FALSE	TRUE					
26022	773A070017	SSG	EMPLACED_CNTR	1/25/2010 19:41	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/10/2007		5/10/2007		11/2/2007										
26023	773A070018	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	9/13/2007		9/13/2007		3/7/2008										
26024	773A070019	SSG	EMPLACED_CNTR	8/21/2010 10:29	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/21/2008		5/21/2008		11/13/2008										
26025	773A070020	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	12/12/2007		12/12/2007		6/5/2008										
26026	773A070021	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/15/2008		10/15/2008		4/9/2009										
26027	773A070022	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediation	0	8/21/2007	12/10/2009	8/21/2007	12/10/2009	2/13/2008										
26028	773A070024	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	8/28/2007		8/28/2007		2/20/2008										
26029	773A070025	SSG	EMPLACED_CNTR	1/7/2012 8:55	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/26/2009		2/26/2009					TRUE	FALSE	TRUE					
26030	773A070026	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/1/2007		10/1/2007		3/25/2008										
26031	773A070027	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	9/17/2007		9/17/2007		3/11/2008										
26032	773A080001	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/4/2008		2/4/2008		7/29/2008										
26033	773A080002	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	12/3/2007		12/3/2007		5/27/2008										
26034	773A080003	SSG	EMPLACED_CNTR	10/14/2010 21:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	12/19/2007		12/19/2007		6/12/2008										
26035	773A080004	SSG	EMPLACED_CNTR	1/22/2011 14:56	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	0	12/12/2007	12/17/2009	12/12/2007	12/17/2009	6/5/2008			TRUE	TRUE	TRUE					
26036	773A080005	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/22/2008		1/22/2008		7/16/2008										
26037	773A080006	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/6/2008		2/6/2008		7/31/2008										
26038	773A080007	SSG	EMPLACED_CNTR	9/19/2010 10:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/5/2008		2/5/2008		7/30/2008										
26039	773A080008	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/21/2008		4/21/2008		10/14/2008										
26040	773A080009	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	8/4/2008		8/4/2008		1/29/2009										
26041	773A080010	SSG	EMPLACED_CNTR	1/10/2010 12:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/27/2008		5/27/2008		11/19/2008										
26042	773A080011	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/26/2008		2/26/2008		8/20/2008										
26043	773A080012	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			2/11/2009		2/11/2009					TRUE	TRUE	TRUE					
26044	773A080013	SSG	EMPLACED_CNTR	1/4/2012 13:25	10/24/2011 19:01	mccabed	SR-WQ27-773A-HET	S5400	Remediation	0	4/21/2008	10/21/2011	4/21/2008	10/21/2011				TRUE	TRUE	TRUE					
26045	773A080014	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	5/12/2008		5/12/2008		11/4/2008										
26046	773A080015	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	8/12/2008		8/12/2008		2/4/2009										
26047	773A080016	SSG	EMPLACED_CNTR	1/13/2010 19:37	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	6/16/2008		6/16/2008		12/9/2008										
26048	773A080017	SSG	EMPLACED_CNTR	1/4/2012 13:24	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			10/20/2008		10/20/2008					TRUE	FALSE	TRUE					
26049	773A080018	SSG	EMPLACED_CNTR	9/19/2010 10:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	7/10/2008		7/10/2008		1/2/2009										
26050	773A080019	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediation	0	8/4/2008	12/10/2009	8/4/2008	12/10/2009	1/29/2009										
26051	773A080020	SSG	EMPLACED_CNTR	11/16/2012 10:11	9/26/2012 15:46	mccabed	SR-WQ27-773A-HET	S5400			8/11/2011		8/11/2011			Added per Jharrison email 092512		TRUE	TRUE	TRUE					
26052	773A080021	SSG	EMPLACED_CNTR	1/4/2012 13:24	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			10/1/2008		10/1/2008					TRUE	FALSE	TRUE					
26053	773A080022	SSG	EMPLACED_CNTR	1/7/2012 8:51	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			9/24/2008		9/24/2008					TRUE	FALSE	TRUE					
26054	773A080024	SSG	EMPLACED_CNTR	1/7/2012 8:55	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			10/1/2008		10/1/2008					TRUE	FALSE	TRUE					
26055	773A080025	SSG	EMPLACED_CNTR	1/7/2012 8:52	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			10/14/2008		10/14/2008					TRUE	FALSE	TRUE					
26056	773A080026	SSG	EMPLACED_CNTR	1/7/2012 8:52	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/10/2009		2/10/2009					TRUE	FALSE	TRUE					
26057	773A090001	SSG	EMPLACED_CNTR	1/7/2012 8:51	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			12/2/2008		12/2/2008					TRUE	FALSE	TRUE					
26058	773A090002	SSG	EMPLACED_CNTR	1/7/2012 8:54	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			10/15/2008		10/15/2008					TRUE	FALSE	TRUE					
26059	773A090003	SSG	EMPLACED_CNTR	2/18/2012 9:41	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			12/2/2008		12/2/2008					TRUE	FALSE	TRUE					
26060	773A090004	SSG	EMPLACED_CNTR	2/18/2012 9:42	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/17/2009		2/17/2009					TRUE	FALSE	TRUE					
26061	773A090005	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			3/19/2009		3/19/2009					TRUE	TRUE	TRUE					
26062	773A090006	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			3/20/2009		3/20/2009					TRUE	TRUE	TRUE					
26063	773A090007	SSG	EMPLACED_CNTR	2/18/2012 9:41	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			11/4/2008		11/4/2008					TRUE	FALSE	TRUE					
26064	773A090008	SSG	EMPLACED_CNTR	2/18/2012 9:41	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/10/2009		2/10/2009					TRUE	FALSE	TRUE					
26065	773A090009	SSG	EMPLACED_CNTR	2/18/2012 9:42	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/2/2009		2/2/2009					TRUE	FALSE	TRUE					
26066	773A090010	SSG	EMPLACED_CNTR	2/18/2012 9:41	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			2/19/2009		2/19/2009					TRUE	FALSE	TRUE					
26067	773A090011	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			4/21/2009		4/21/2009					TRUE	TRUE	TRUE					
26068	773A090012	SSG	EMPLACED_CNTR	11/4/2012 13:32	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
26069	773A090013	SSG	EMPLACED_CNTR	2/18/2012 9:42	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			3/17/2009		3/17/2009					TRUE	FALSE	TRUE					
26070	773A090014	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			6/22/2009		6/22/2009					TRUE	TRUE	TRUE					
26071	773A090015	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			3/10/2010		3/10/2010					TRUE	TRUE	TRUE					
26072	773A090016	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			10/6/2009		10/6/2009					TRUE	TRUE	TRUE					
26073	773A090017	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			6/8/2009		6/8/2009					TRUE	TRUE	TRUE					
26074	773A090018	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			2/18/2010		2/18/2010					TRUE	TRUE	TRUE					
26075	773A090019	SSG	EMPLACED_CNTR	5/30/2012 8:58	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			4/14/2010		4/14/2010					TRUE	TRUE	TRUE					
26076	773A090020	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			8/26/2009		8/26/2009					TRUE	TRUE	TRUE					
26077	773A090021	SSG	EMPLACED_CNTR	2/19/2012 9:26	12/14/2011 9:05	mccabed	SR-WQ27-773A-HET	S5400			11/3/2009		11/3/2009					TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26078	773A090022	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			10/6/2009		10/6/2009					TRUE	TRUE	TRUE					
26079	773A090023	SSG	EMPLACED_CNTR	2/19/2012 9:23	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/22/2009		6/22/2009					TRUE	TRUE	TRUE					
26080	773A090024	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			12/9/2009		12/9/2009					TRUE	TRUE	TRUE					
26081	773A090025	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/25/2009		8/25/2009					TRUE	TRUE	TRUE					
26082	773A090027	SSG	EMPLACED_CNTR	1/16/2013 15:01	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			12/9/2009		12/9/2009					TRUE	TRUE	TRUE					
26083	773A090028	SSG	EMPLACED_CNTR	10/8/2012 15:15	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			12/9/2009		12/9/2009					TRUE	TRUE	TRUE					
26084	773A090029	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			2/18/2010		2/18/2010					TRUE	TRUE	TRUE					
26085	773A090030	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			3/8/2010		3/8/2010					TRUE	TRUE	TRUE					
26086	773A090031	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			11/11/2009		11/11/2009					TRUE	TRUE	TRUE					
26087	773A090032	SSG	EMPLACED_CNTR	10/8/2012 15:15	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
26088	773A090033	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			2/18/2010		2/18/2010					TRUE	TRUE	TRUE					
26089	773A090034	SSG	EMPLACED_CNTR	10/8/2012 15:15	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/25/2010		5/25/2010					TRUE	TRUE	TRUE					
26090	773A090035	SSG	EMPLACED_CNTR	10/8/2012 15:15	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			2/18/2010		2/18/2010					TRUE	TRUE	TRUE					
26091	773A090036	SSG	EMPLACED_CNTR	3/7/2012 13:25	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/20/2010		4/20/2010					TRUE	TRUE	TRUE					
26092	773A090037	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			11/23/2009		11/23/2009					TRUE	TRUE	TRUE					
26093	773A100001	SSG	EMPLACED_CNTR	3/7/2012 13:25	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/21/2010		8/21/2010					TRUE	TRUE	TRUE					
26094	773A100002	SSG	EMPLACED_CNTR	11/15/2012 14:02	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/6/2010		5/6/2010					TRUE	TRUE	TRUE					
26095	773A100003	SSG	EMPLACED_CNTR	3/7/2012 13:25	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/7/2010		6/7/2010					TRUE	TRUE	TRUE					
26096	773A100005	SSG	EMPLACED_CNTR	10/20/2012 9:39	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			3/1/2010		3/1/2010					TRUE	TRUE	TRUE					
26097	773A100006	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			2/2/2011		2/2/2011					TRUE	TRUE	TRUE					
26098	773A100007	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			11/1/2010		11/1/2010					TRUE	TRUE	TRUE					
26099	773A100008	SSG	EMPLACED_CNTR	3/7/2012 13:25	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/24/2010		5/24/2010					TRUE	TRUE	TRUE					
26100	773A100009	SSG	EMPLACED_CNTR	3/7/2012 13:26	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/16/2010		8/16/2010					TRUE	TRUE	TRUE					
26101	773A100010	SSG	EMPLACED_CNTR	3/7/2012 13:26	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/21/2011		4/21/2011					TRUE	TRUE	TRUE					
26102	773A100011	SSG	EMPLACED_CNTR	3/7/2012 13:26	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/17/2010		8/17/2010					TRUE	TRUE	TRUE					
26103	773A100012	SSG	EMPLACED_CNTR	10/20/2012 9:39	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/11/2010		6/11/2010					TRUE	TRUE	TRUE					
26104	773A100013	SSG	EMPLACED_CNTR	11/15/2012 12:47	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			11/10/2010		11/10/2010					TRUE	TRUE	TRUE					
26105	773A100014	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/21/2010		6/21/2010					TRUE	TRUE	TRUE					
26106	773A100015	SSG	EMPLACED_CNTR	3/7/2012 13:25	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/16/2010		8/16/2010					TRUE	TRUE	TRUE					
26107	773A100016	SSG	EMPLACED_CNTR	2/19/2012 9:20	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/30/2010		8/30/2010					TRUE	TRUE	TRUE					
26108	773A100017	SSG	EMPLACED_CNTR	3/7/2012 13:26	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/22/2010		8/22/2010					TRUE	TRUE	TRUE					
26109	773A100018	SSG	EMPLACED_CNTR	3/4/2012 10:53	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			8/3/2010		8/3/2010					TRUE	TRUE	TRUE					
26110	773A100019	SSG	EMPLACED_CNTR	2/18/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			2/8/2011		2/8/2011					TRUE	TRUE	TRUE					
26111	773A100021	SSG	EMPLACED_CNTR	10/20/2012 9:39	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/4/2011		4/4/2011					TRUE	TRUE	TRUE					
26112	773A100022	SSG	EMPLACED_CNTR	11/15/2012 12:47	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			10/28/2010		10/28/2010					TRUE	TRUE	TRUE					
26113	773A100023	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/2/2011		5/2/2011					TRUE	TRUE	TRUE					
26114	773A100024	SSG	EMPLACED_CNTR	10/20/2012 9:39	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			10/5/2010		10/5/2010					TRUE	TRUE	TRUE					
26115	773A100025	SSG	EMPLACED_CNTR	2/19/2012 9:21	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/11/2011		4/11/2011					TRUE	TRUE	TRUE					
26116	773A100026	SSG	EMPLACED_CNTR	3/4/2012 10:51	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			10/28/2010		10/28/2010					TRUE	TRUE	TRUE					
26117	773A110001	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			4/21/2011		4/21/2011					TRUE	TRUE	TRUE					
26118	773A110002	SSG	EMPLACED_CNTR	2/26/2012 13:30	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/17/2011		5/17/2011					TRUE	TRUE	TRUE					
26119	773A110003	SSG	EMPLACED_CNTR	2/26/2012 13:30	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			1/25/2011		1/25/2011					TRUE	TRUE	TRUE					
26120	773A110004	SSG	EMPLACED_CNTR	12/15/2012 13:44	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			3/12/2012		3/12/2012			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26121	773A110005	SSG	EMPLACED_CNTR	12/15/2012 13:43	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			2/29/2012		2/29/2012			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26122	773A110006	SSG	EMPLACED_CNTR	2/26/2013 13:30	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			3/1/2011		3/1/2011					TRUE	TRUE	TRUE					
26123	773A110007	SSG	EMPLACED_CNTR	12/19/2012 12:49	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			10/20/2011		10/20/2011			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26124	773A110008	SSG	EMPLACED_CNTR	3/4/2012 10:53	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/1/2011		6/1/2011					TRUE	TRUE	TRUE					
26125	773A110009	SSG	EMPLACED_CNTR	12/19/2012 12:49	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			8/25/2011		8/25/2011			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26126	773A110010	SSG	EMPLACED_CNTR	12/15/2012 13:43	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/3/2011		6/3/2011					TRUE	TRUE	TRUE					
26127	773A110011	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			7/25/2011		7/25/2011			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26128	773A110013	SSG	EMPLACED_CNTR	1/16/2013 15:01	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			5/18/2011		5/18/2011					TRUE	TRUE	TRUE					
26129	773A110014	SSG	EMPLACED_CNTR	11/15/2012 12:47	12/14/2011 9:05	mccabed	SR-W027-773A-HET	S5400			6/3/2011		6/3/2011					TRUE	TRUE	TRUE					
26130	773A110015	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			9/7/2011		9/7/2011			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26131	773A110016	SSG	EMPLACED_CNTR	12/19/2012 12:49	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			10/26/2011		10/26/2011			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26132	773A110017	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			12/1/2011		12/1/2011			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26133	773A110018	SSG	EMPLACED_CNTR	11/15/2012 12:46	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			3/27/2012		3/27/2012			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26134	773A110019	SSG	EMPLACED_CNTR	12/15/2012 10:54	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			1/24/2012		1/24/2012			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26135	773A110020	SSG	EMPLACED_CNTR	11/15/2012 14:02	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			2/16/2012		2/16/2012			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26136	773A120002	SSG	EMPLACED_CNTR	11/15/2012 12:46	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			3/16/2012		3/16/2012			Added per jharrison email 092512.		TRUE	TRUE	TRUE					
26137	773A120004	SSG	EMPLACED_CNTR	12/19/2012 12:49	9/26/2012 15:46	mccabed	SR-W027-773A-HET	S5400			2/22/2012		2/22/2012			Added per jharrison email 092512		TRUE	TRUE	TRUE					
26138	773A12ED1A	SSG			6/6/2013 12:39	mccabed	SR-W027-773A-HET	S5400			6/5/2013		6/5/2013			NOP 221-H-8827 (Dropped the S due to 10-character limit)	- Rpkgd was 773A125ED1	TRUE	TRUE	TRUE	NA		773A125ED1		Daughter
26139	773A125ED1	SWB			6/6/2013 12:39	mccabed	SR-W027-773A-HET	S5400			9/24/2012	6/5/2013	9/24/2012	6/5/2013		Added per JHarrison 013013; NOP 221-H-8827	Rpkgd into 773A12ED1A	TRUE	TRUE	TRUE	NA				
26140	773A50078A	SSG	EMPLACED_CNTR	3/11/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1		10/30/2006		10/30/2006											
26141	773A60006A	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/7/2009		12/7/2009		6/1/2010	Parent is 773A060006 (10 character limit)		TRUE	TRUE	TRUE					
26142	773A60011A	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/22/2009		12/22/2009		6/16/2010	Daughter drum of 773A060011 (10 character limit)		TRUE	TRUE	TRUE					
26143	773A70009A	SSG	EMPLACED_CNTR	10/20/2012 9:39	5/7/2012 19:59	mccabed	SR-W027-773A-HET	S5400			12/17/2010		12/17/2010					FALSE	FALSE	FALSE	NA				
26144	773A70022A	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/10/2009		12/10/2009		6/4/2010	Parent is 773A070022 (10 character limit)		TRUE	TRUE	TRUE					
26145	773A80004A	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/17/2009		12/17/2009		6/11/2010										
26146	773A80013A	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/10/2009		12/10/2009		6/4/2010										
26147	773A80013B	SSG	EMPLACED_CNTR	10/20/2012 9:39	5/11/2012 12:34	mccabed	SR-W027-773A-HET	S5400			10/21/2011		10/21/2011			Parent is 773A080013		TRUE	TRUE	TRUE	NA				
26148	773A80019A	SSG	EMPLACED_CNTR	2/7/2011 22:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-HET	S5400		0	12/10/2009		12/10/2009		6/4/2010										
26149	PAD12TMP1A	SWB			8/20/2013 14:43	mccabed	SR-W027-773A-HET	S5400			8/12/2013		8/12/2013			PCB Bulk Product Waste - Non Leachable; E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913		TRUE	TRUE	TRUE	Yes	4/15/2011			
26150	PAD12TMP1I	SWB			8/20/2013 14:44	mccabed	SR-W027-773A-HET	S5400			8/12/2013		8/12/2013			PCB Bulk Product Waste - Non Leachable;E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913		TRUE	TRUE	TRUE	Yes	4/15/2011			
26151	PAD12TMP2A	SWB			9/6/2013 7:31	mccabed	SR-W027-773A-HET	S5400			8/29/2013		8/29/2013			Added per JHarrison 090513		TRUE	TRUE	TRUE	NA				
26152	PAD12TMP2B	SSG	APPROVED_CERT		12/12/2012 12:38	mccabed	SR-W027-773A-HET	S5400			11/7/2012		11/7/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
26153	PAD12TMP2C	SSG	APPROVED_CERT		12/4/2012 1:37	mccabed	SR-W027-773A-HET	S5400			11/7/2012		11/7/2012			Added per JHarrison 120312		TRUE	TRUE	TRUE	NA				
26154	PAD12TMP2D	SSG	APPROVED_CERT		12/4/2012 1:38	mccabed	SR-W027-773A-HET	S5400			11/7/2012		11/7/2012			Added per JHarrison 120312		TRUE	TRUE	TRUE	NA				
26155	PAD12TMP2G	SSG			9/6/2013 7:33	mccabed	SR-W027-773A-HET	S5400			8/29/2013		8/29/2013			Added per JHarrison 090513		TRUE	TRUE	TRUE	NA				
26156	PADTEMP9A	SWB			9/6/2013 7:34	mccabed	SR-W027-773A-HET	S5400			9/3/2013		9/3/2013			Added per JHarrison 090513		TRUE	TRUE	TRUE	NA				
26157	PADTEMP9C	SSG	APPROVED_CERT		12/5/2012 10:51	mccabed	SR-W027-773A-HET	S5400			10/30/2012		10/30/2012			Added per JHarrison 120512		TRUE	TRUE	TRUE	NA				
26158	SDXXXX0529	SSG	APPROVED_CERT		10/19/2011 8:36	mccabed	SR-W027-773A-HET	S5400	Remediation		8/24/2006	1/15/2010	8/24/2006	1/15/2010				TRUE	FALSE	TRUE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26159	SD00005930	55G	EMPLACED_CNTR	4/11/2013 15:07	9/30/2011 9:29	mccabed	SR-WD27-773A-HET	S5400			10/17/2006			10/17/2006				TRUE	FALSE	TRUE	NA				
26160	SR108011	55G	EMPLACED_CNTR	5/12/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/15/1979	9/26/2004	10/27/1999	9/28/2004	4/20/2000										
26161	SR108012	55G	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/15/1979	3/6/2007	8/24/1999	3/6/2007	2/16/2000										
26162	SR108013	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/15/1979	7/31/2006	7/15/1999	7/31/2006	1/7/2000										
26163	SR108014	55G	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/15/1979	10/2/2004	8/11/1999	10/2/2004	2/3/2000										
26164	SR108015	55G	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	12/26/2006	11/1/1999	12/26/2006	4/25/2000										
26165	SR108016	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	8/1/2006	7/15/1999	8/1/2006	1/7/2000										
26166	SR108017	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	10/2/2004	8/11/1999	10/2/2004	2/3/2000										
26167	SR108019	55G	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	9/15/2004	11/3/1999	9/15/2004	4/27/2000										
26168	SR108020	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	8/3/2006	10/27/1999	8/3/2006	4/20/2000										
26169	SR108022	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/24/1979	10/10/2004	11/29/1999	10/10/2004	5/23/2000										
26170	SR108023	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	6/7/1979	8/1/2006	10/26/1999	8/1/2006	4/19/2000										
26171	SR108024	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	6/7/1979	9/12/2006	7/14/1999	9/12/2006	1/6/2000										
26172	SR108026	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/3/1979	11/11/2004	10/26/1999	11/11/2004	4/19/2000										
26173	SR108028	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/3/1979	8/28/2004	8/17/1999	8/28/2004	2/9/2000										
26174	SR108030	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/3/1979	8/3/2006	7/14/1999	8/3/2006	1/6/2000										
26175	SR108031	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/3/1979	9/18/2004	10/18/1999	8/19/2004	4/11/2000										
26176	SR108032	55G	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/3/1979	10/20/2006	8/4/1999	10/20/2006	1/27/2000										
26177	SR108035	55G	EMPLACED_CNTR	7/21/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/19/1979	11/1/2004	8/19/1999	11/1/2004	2/11/2000										
26178	SR108036	55G	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/19/1979	9/18/2004	10/26/1999	9/19/2004	4/19/2000										
26179	SR108038	55G	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/19/1979	9/13/2006	7/15/1999	9/13/2006	1/7/2000										
26180	SR108040	55G	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/19/1979	7/20/2006	8/18/1999	7/20/2006	2/8/2000										
26181	SR108042	55G	EMPLACED_CNTR	9/1/2010 21:34	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/7/1979	9/30/2004	8/23/1999	9/30/2004	2/15/2000										
26182	SR108044	55G	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/7/1979	10/1/2004	8/25/1999	10/1/2004	2/17/2000										
26183	SR108046	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/7/1979	9/11/2006	8/10/1999	9/11/2006	2/2/2000										
26184	SR108047	55G	APPROVED_SHIP		4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/7/1979	11/11/2004	11/3/1999	11/11/2004	4/27/2000			TRUE	TRUE	TRUE					
26185	SR108048	55G	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	V&P Purge	0	8/7/1979	8/7/1979		7/14/2005											
26186	SR108052	55G	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	9/22/2004	10/25/1999	9/22/2004	4/18/2000										
26187	SR108053	55G	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	10/14/2004	8/10/1999	10/14/2004	2/2/2000										
26188	SR108054	55G	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	12/20/2007	10/19/1999	12/20/2007	4/12/2000										
26189	SR108054A	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400		0	12/20/2007		12/20/2007		6/13/2008										
26190	SR108055	55G	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	9/24/2004	11/3/1999	9/24/2004	4/27/2000										
26191	SR108056	55G	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	9/22/2004	8/12/1999	9/22/2004	2/4/2000										
26192	SR108057	55G	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/6/1979	9/20/2004	8/10/1999	9/20/2004	2/2/2000										
26193	SR108060	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/20/1979	10/11/2006	10/11/1999	10/11/2006	4/14/2000										
26194	SR108061	55G	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/20/1979	1/20/2007	10/20/1999	1/20/2007	4/13/2000										
26195	SR108062	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/20/1979	9/13/2004	10/20/1999	9/13/2004	4/13/2000										
26196	SR108064	55G	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/20/1979	10/13/2004	10/21/1999	10/13/2004	4/14/2000										
26197	SR108065	55G	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400		0	9/20/1979		11/29/1999		5/23/2000										
26198	SR108066	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	9/25/1979	9/25/1979	10/25/1999	10/30/2005	4/18/2000										
26199	SR108067	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/25/1979	9/18/2004	11/2/1999	9/18/2004	4/26/2000										
26200	SR108068	55G	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/25/1979	8/1/2006	10/25/1999	8/1/2006	4/18/2000										
26201	SR108068A	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1		8/1/2006		8/1/2006											
26202	SR108069	55G	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/25/1979	9/5/2004	10/21/1999	9/5/2004	4/14/2000										
26203	SR108071	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	9/25/1979	12/20/2007	11/30/1999	12/20/2007	5/24/2000										
26204	SR108072	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/11/1979	9/18/2004	10/25/1999	9/18/2004	4/18/2000										
26205	SR108074	55G	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/11/1979	9/2/2004	8/12/1999	9/2/2004	2/4/2000										
26206	SR108080	55G	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/24/1979	10/4/2004	8/16/1999	10/4/2004	2/8/2000										
26207	SR108082	55G	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/24/1979	10/2/2004	8/16/1999	10/2/2004	2/8/2000										
26208	SR108083	55G	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/24/1979	4/30/2007	11/2/1999	4/30/2007	4/26/2000										
26209	SR108084	55G	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/24/1979	9/24/2004	11/1/1999	9/24/2004	4/25/2000										
26210	SR108086	55G	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	11/8/1979	11/1/2004	4/13/1998	11/1/2004	10/6/1998										
26211	SR108090	55G	EMPLACED_CNTR	2/25/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	11/15/1979	7/19/2006	3/26/1998	7/19/2006	9/18/1998										
26212	SR108091	55G	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	11/15/1979	9/13/2004	3/19/1998	9/13/2004	9/11/1998										
26213	SR108093	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	12/11/1979	9/14/2004	4/13/1998	9/14/2004	10/6/1998										
26214	SR108094	55G	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	12/11/1979	9/17/2004	5/18/1998	9/17/2004	11/10/1998										
26215	SR108095	55G	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	12/11/1979	9/24/2004	5/18/1998	9/24/2004	11/10/1998										
26216	SR108104	55G	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	12/11/1979	9/3/2004	4/1/1998	9/3/2004	9/24/1998										
26217	SR108106	55G	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	1/22/1980	3/20/2006	5/12/1998	3/20/2006	11/4/1998										
26218	SR108107	55G	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	1/22/1980	9/2/2004	3/30/1998	9/2/2004	9/22/1998										
26219	SR108111	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	1/22/1980	10/2/2004	5/13/1998	10/2/2004	11/5/1998										
26220	SR108114	55G	EMPLACED_CNTR	2/11/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	9/11/2004	4/6/1998	9/11/2004	9/29/1998										
26221	SR108115	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	9/10/2004	4/6/1998	9/10/2004	9/29/1998										
26222	SR108117	55G	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	9/2/2004	3/24/1998	9/2/2004	9/16/1998										
26223	SR108118	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	4/13/2006	4/7/1998	4/13/2006	9/30/1998										
26224	SR108120	55G	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	9/2/2004	3/23/1998	9/2/2004	9/15/1998										
26225	SR108121	55G	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	11/1/2004	4/7/1998	11/1/2004	9/30/1998										
26226	SR108122	55G	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/14/1980	9/11/2004	3/23/1998	9/11/2004	9/15/1998										
26227	SR109676	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	1/26/2008	5/20/1998	1/26/2008	11/12/1998										
26228	SR109677	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	12/19/2006	2/16/1998	12/19/2006	8/13/1998										
26229	SR109678	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	8/22/2006	2/18/1998	8/22/2006	8/13/1998										
26230	SR109679	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	9/20/2004	2/18/1998	9/20/2004	8/13/1998										
26231	SR109680	55G	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	8/31/2004	2/18/1998	8/31/2004	8/13/1998										
26232	SR109681	55G	EMPLACED_CNTR	4/29/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	9/19/2004	2/18/1998	9/19/2004	8/13/1998										
26233	SR109682	55G	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	9/11/2004	2/18/1998	9/11/2004	8/13/1998										
26234	SR109683	55G	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/11/1980	9/23/2004	2/24/1998	9/23/2004	8/19/1998										
26235	SR109684	55G	EMPLACED_CNTR	12/15/2012 10:55	3/6/2012 10:19	mccabed	SR-WD27-773A-HET	S5400	Remediation	1	3/11/1980	2/1/2012	12/12/2011	2/1/2012				TRUE	TRUE	TRUE					
26236	SR109686	55G	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/20/1980	11/29/2006	4/28/1998	11/29/2006	10/21/1998										
26237	SR109687	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/20/1980	9/4/2004	4/16/1998	9/4/2004	10/9/1998										
26238	SR109688	55G	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/20/1980	9/20/2004	5/5/1998	9/20/2004	10/28/1998										
26239	SR109690	55G	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/20/1980	10/19/2006	4/28/1998	10/19/2006	10/21/1998										
26240	SR109691	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/20/1980	9/26/2004	5/5/1998	9/26/2004	10/28/1998										
26241	SR109693	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/10/1980	9/1/2004	4/22/1998	9/1/2004	10/15/1998										
26242	SR109695	55G	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/10/1980	9/14/2004	3/5/1998	9/14/2004	9/17/1998										
26243	SR109697	55G	EMPLACED_CNTR	2/6/2006	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/8/1980	9/29/2004	3/24/1998	9/29/2004	9/16/1998										
26244	SR109698	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/10/1980	9/1/2004	4/22/1998	9/1/2004	10/15/1998										
26245	SR109699	55G	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/10/1980	8/31/2004	4/21/1998	8/31/2004	10/14/1998										
26246	SR109700	55G	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/10/1980	8/21/2006	4/21/1998	8/21/2006	10/14/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26247	SR109701	SSG	EMPLACED_CNTR	5/21/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/10/1980	9/21/2004	4/22/1998	9/21/2004	10/15/1998										
26248	SR110757	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/10/1980	9/20/2004	4/28/1998	9/20/2004	10/21/1998										
26249	SR110760	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/8/1980	9/24/2004	11/3/1997	9/24/2004	4/28/1998										
26250	SR110812	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/8/1980	8/3/2006	11/4/1997	8/3/2006	4/28/1998										
26251	SR110813	SSG	EMPLACED_CNTR	6/1/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/8/1980	10/10/2004	3/24/1998	10/10/2004	9/16/1998										
26252	SR110814	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/8/1980	11/9/2006	3/24/1998	11/9/2006	9/16/1998										
26253	SR110815	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/8/1980	11/27/2006	4/6/1998	11/27/2006	9/29/1998										
26254	SR110820	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/15/1980	10/1/2004	11/4/1997	10/1/2004	5/1/1998										
26255	SR110821	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/15/1980	9/22/2004	10/28/1997	9/22/2004	4/22/1998										
26256	SR110822	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/15/1980	9/9/2004	10/28/1997	9/9/2004	4/22/1998										
26257	SR110823	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/15/1980	9/5/2004	4/13/1998	9/5/2004	10/8/1998										
26258	SR110825	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	12/5/2006	10/30/1997	12/5/2006	4/24/1998										
26259	SR110826	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	11/29/2006	10/30/1997	11/29/2006	4/24/1998										
26260	SR110827	SSG	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	9/13/2004	10/28/1997	9/13/2004	4/22/1998										
26261	SR110835	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	9/20/2004	10/29/1997	9/20/2004	4/23/1998										
26262	SR110836	SSG	EMPLACED_CNTR	5/21/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	9/20/2004	10/28/1997	9/20/2004	4/23/1998										
26263	SR110837	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	4/9/2008	8/25/1997	4/9/2008	3/20/1998										
26264	SR110838	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/12/1980	11/4/2004	10/30/1997	11/4/2004	4/24/1998										
26265	SR110840	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	10/5/2004	10/27/1997	10/5/2004	4/21/1998										
26266	SR110841	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	11/2/2004	4/30/1998	11/2/2004	10/23/1998										
26267	SR110842	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	9/21/2004	10/23/1997	9/21/2004	4/17/1998										
26268	SR110843	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	10/5/2004	10/23/1997	10/3/2004	4/17/1998										
26269	SR110844	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	10/15/2004	10/27/1997	10/15/2004	4/21/1998										
26270	SR110847	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	9/19/2004	10/21/1997	9/19/2004	4/15/1998										
26271	SR110848	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/1/1980	10/12/2004	10/27/1997	10/12/2004	4/21/1998										
26272	SR115501	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	10/16/2004	10/21/1997	10/16/2004	4/15/1998										
26273	SR115502	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	10/19/2004	5/20/1998	10/19/2004	11/12/1998										
26274	SR115503	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	9/19/2004	10/23/1997	9/16/2004	4/16/1998										
26275	SR115504	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	9/20/2004	10/23/1997	9/20/2004	4/16/1998										
26276	SR115505	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	9/18/2004	10/21/1997	9/18/2004	4/15/1998										
26277	SR115506	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	11/29/2006	10/20/1997	11/29/2006	4/14/1998										
26278	SR115508	SSG	EMPLACED_CNTR	8/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1980	10/7/2004	10/21/1997	10/7/2004	4/15/1998										
26279	SR115510	SSG	EMPLACED_CNTR	6/26/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	9/23/2004	10/16/1997	9/23/2004	4/10/1998										
26280	SR115511	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	9/12/2004	10/20/1997	9/12/2004	4/14/1998										
26281	SR115515	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/17/1980	9/23/2004	3/23/1998	9/23/2004	9/15/1998										
26282	SR115516	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/17/1980	9/9/2004	5/14/1998	9/9/2004	11/6/1998										
26283	SR115517	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/17/1980	8/30/2004	4/29/1998	8/30/2004	10/22/1998										
26284	SR115520	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/16/1980	9/2/2004	5/11/1998	9/2/2004	11/3/1998										
26285	SR115522	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1980	9/13/2004	4/8/1998	9/13/2004	9/29/1998										
26286	SR115523	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1980	8/28/2006	4/28/1998	8/28/2006	10/1/1998										
26287	SR115524	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1980	10/4/2004	4/7/1998	10/4/2004	9/30/1998										
26288	SR115525	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1980	10/19/2004	4/23/1998	10/19/2004	10/15/1998										
26289	SR115526	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1980	9/4/2004	5/14/1998	9/4/2004	11/6/1998										
26290	SR115544	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	6/27/2006	10/20/1997	6/27/2006	4/14/1998										
26291	SR115545	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	9/13/2004	10/21/1997	9/13/2004	4/15/1998										
26292	SR115546	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/9/1980	8/29/2004	10/6/1997	8/29/2004	3/31/1998										
26293	SR115548	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/4/1980	3/5/2007	10/14/1997	3/5/2007	4/8/1998										
26294	SR115550	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/4/1980	9/20/2004	10/13/1997	9/20/2004	4/7/1998										
26295	SR115551	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/4/1980	9/6/2006	10/14/1997	9/6/2006	4/8/1998										
26296	SR115552	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/4/1980	9/20/2004	10/13/1997	9/20/2004	4/7/1998										
26297	SR115553	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/11/1980	12/5/2006	10/15/1997	12/5/2006	4/9/1998										
26298	SR115554	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/11/1980	11/27/2006	10/15/1997	11/27/2006	4/9/1998										
26299	SR115554A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1		11/27/2006		11/27/2006											
26300	SR115555	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/12/1980	12/12/2006	10/15/1997	12/12/2006	4/9/1998										
26301	SR115555A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1		12/12/2006		12/12/2006											
26302	SR115558	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/11/1980	9/2/2004	10/14/1997	9/2/2004	4/8/1998										
26303	SR115559	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	11/11/1980	9/5/2004	10/15/1997	9/5/2004	4/9/1998										
26304	SR115562	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/18/1980	9/8/2004	10/7/1997	9/8/2004	4/1/1998										
26305	SR115564	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/18/1980	8/29/2004	9/25/1997	8/29/2004	3/20/1998										
26306	SR115567	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/22/1981	10/10/2007	9/24/1997	10/10/2007	3/19/1998										
26307	SR115570	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/22/1981	9/21/2004	9/4/1997	9/21/2004	2/27/1998										
26308	SR115571	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/22/1981	4/19/2007	9/9/1997	4/19/2007	3/4/1998										
26309	SR205529	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/13/1987	2/12/2007	1/13/1987	2/12/2007	7/8/1987										
26310	SR217860	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/5/1989	6/26/2006	4/5/1989	6/26/2006	9/28/1989										
26311	SR217862	SSG	EMPLACED_CNTR	8/21/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/29/1989	3/1/2006	4/29/1989	3/1/2006	10/19/1989										
26312	SR217863	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	4/28/1989		4/28/1989		10/21/1989										
26313	SR217864	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/5/1989		5/5/1988		10/28/1989										
26314	SR217865	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/10/1989	7/20/2006	5/10/1989	7/20/2006	11/2/1989										
26315	SR217866	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/18/1989		5/18/1989		11/10/1989										
26316	SR217867	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/26/1989		5/26/1989		11/24/1989										
26317	SR222291	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	7/23/1986		10/30/1995		4/24/1997										
26318	SR222362	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	7/23/1986		10/29/1996		4/23/1997										
26319	SR223364	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	8/7/1986		10/10/1996		4/4/1997										
26320	SR222365A	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	7/18/2007		7/18/2007		1/10/2008										
26321	SR222366	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	9/5/1986		10/10/1995		4/4/1997										
26322	SR222368	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/5/1986	2/25/2008	1/21/1987	2/25/2008	7/16/1987										
26323	SR222369	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	11/4/1986		11/4/1986		4/29/1987										
26324	SR222372	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/13/1987		5/11/1987		11/3/1987										
26325	SR222375	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/4/1987		5/4/1987		10/27/1987										
26326	SR222377	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	5/5/1987		5/5/1987		10/28/1987										
26327	SR222384	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	V&P Purge	0	6/10/1987	6/10/1987	6/10/1987	4/25/2005	12/3/1987										
26328	SR222385	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/16/1987	4/15/2008	7/16/1987	4/15/2008	1/8/1988										
26329	SR222387	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	8/11/1987		8/11/1987		2/3/1988										
26330	SR222388	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/13/1987	1/8/2007	8/13/1987	1/8/2007	2/5/1988										
26331	SR222389	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/13/1987	3/20/2006	8/13/1987	3/20/2006	2/5/1988										
26332	SR222390	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1987	11/27/2006	8/14/1987	11/27/2006	2/6/1988										
26333	SR222391	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/14/1987	3/1/2006	8/14/1987	3/1/2006	2/6/1988										
26334	SR222392	SSG	EMPLACED_CNTR	8/28/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/27/1987	1/5/2006	8/27/1987	1/5/2006	2/19/1988										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26335	SR222393	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/31/1987		8/31/1987		2/23/1988										
26336	SR222394	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/22/1987		9/22/1987		3/16/1988										
26337	SR222396	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	10/16/1987		9/16/1987		4/9/1988										
26338	SR222397	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	10/19/1987	1/5/2006	10/19/1987	1/5/2006	4/12/1988										
26339	SR222398	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	10/19/1987	4/6/2006	10/19/1987	4/6/2006	4/12/1988										
26340	SR222429	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	1/19/1988		1/19/1988		7/13/1988										
26341	SR222430	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/15/1988		3/15/1988		9/7/1988										
26342	SR222431	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	3/15/1988	6/11/2007	3/15/1988	6/11/2007	9/7/1988										
26343	SR222433	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	3/23/1988	7/20/2007	3/23/1988	7/20/2007	9/15/1988										
26344	SR222434	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	6/22/1988	2/25/2008	6/22/1988	2/25/2008	12/15/1988										
26345	SR222434A	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/25/2008		2/25/2008		8/19/2008										
26346	SR222435	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	6/28/1988	10/16/2006	6/28/1988	10/16/2006	12/21/1988										
26347	SR222436	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/5/1988		7/5/1988		12/28/1988										
26348	SR222438	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/13/1988		7/13/1988		1/5/1989										
26349	SR222439	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/13/1988		7/13/1988		1/5/1989										
26350	SR222442	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/1/1988		8/1/1988		1/24/1989										
26351	SR222446	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	8/16/1988	11/18/2004	8/16/1988	11/18/2004	2/8/1989										
26352	SR222447	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	8/25/1988	12/5/2004	8/25/1988	12/5/2004	2/17/1989										
26353	SR222479	SSG	EMPLACED_CNTR	12/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/8/1988		9/8/1988		3/3/1989										
26354	SR222481	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/13/1988		9/13/1988		3/8/1989										
26355	SR222485	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	10/25/1988		10/25/1988		4/19/1989										
26356	SR222487	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	V&P Purge	0	10/26/1988	10/26/1988	10/26/1988	6/1/2005	4/20/1989										
26357	SR222489	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	12/29/1988	3/22/2007	12/29/1988	3/22/2007	6/23/1989										
26358	SR283112	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/15/1990		2/15/1990		8/10/1990										
26359	SR283114	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/16/1990		2/16/1990		8/11/1990										
26360	SR283116	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/20/1990		2/20/1990		8/15/1990										
26361	SR283118	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/21/1990		2/21/1990		8/16/1990										
26362	SR283120	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/22/1990		2/22/1990		8/17/1990										
26363	SR283122	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/15/1990		3/15/1990		9/7/1990										
26364	SR283125	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/16/1990		3/16/1990		9/8/1990										
26365	SR283127	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	4/19/1990		4/19/1990		10/12/1990										
26366	SR283130	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	5/2/1990		5/2/1990		10/25/1990										
26367	SR283137	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	5/10/1990		5/10/1990		11/2/1990										
26368	SR283139	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/7/1990		6/7/1990		11/30/1990										
26369	SR283142	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/13/1990		6/13/1990		12/6/1990										
26370	SR283145	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/18/1990		6/18/1990		12/11/1990										
26371	SR283147	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		1	6/20/1990		6/20/1990		12/14/1990										
26372	SR283149	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/10/1990		7/10/1990		1/2/1991										
26373	SR323476	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	1/22/1990		1/22/1990		7/17/1990										
26374	SR323479	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	2/13/1990		2/13/1990		8/8/1990										
26375	SR323491	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	11/28/1989		11/28/1989		5/23/1990										
26376	SR323493	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	12/1/1989		12/1/1989		5/24/1990										
26377	SR323495	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	12/5/1989		12/5/1989		5/30/1990										
26378	SR323501	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/7/1990		6/7/1990		11/30/1990										
26379	SR323504	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/8/1989		9/8/1989		3/3/1990										
26380	SR323506	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/22/1989		9/22/1989		3/17/1990										
26381	SR323508	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	11/22/1989		11/22/1989		5/17/1990										
26382	SR323510	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	11/27/1989		11/27/1989		5/22/1990										
26383	SR323513	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/30/1989		8/30/1989		2/22/1990										
26384	SR323515	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/5/1989		9/5/1989		2/28/1990										
26385	SR328469	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/28/1990		8/28/1990		2/26/1991										
26386	SR328472	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/28/1990		8/28/1990		2/20/1991										
26387	SR328475	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/20/1990		9/20/1990		3/15/1991										
26388	SR328478	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	10/15/1990	11/17/2004	10/15/1990	11/17/2004	4/9/1991										
26389	SR328480	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	10/18/1990		10/18/1990		4/12/1991										
26390	SR328482	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	11/9/1990		11/9/1990		5/4/1991										
26391	SR328485	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	12/14/1990	1/31/2007	12/14/1990	1/31/2007	6/8/1991										
26392	SR328487	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	12/31/1990	12/12/2006	12/31/1990	12/12/2006	6/25/1991										
26393	SR328487A	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1		12/12/2006		12/12/2006											
26394	SR328495	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/21/1991		3/21/1991		9/13/1991										
26395	SR328497	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/26/1991		3/26/1991		9/18/1991										
26396	SR328527	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	7/14/1989	7/31/2006	7/14/1989	7/31/2006	1/6/1990										
26397	SR367022	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/27/1991		3/27/1991		9/19/1991										
26398	SR367024	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	3/28/1991		3/28/1991		9/20/1991										
26399	SR367026	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	4/30/1991	8/11/2008	4/30/1991	8/11/2008	10/23/1991										
26400	SR367028	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/29/1991		7/29/1991		1/21/1992										
26401	SR367029	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/19/1991		6/19/1991		12/12/1991										
26402	SR367032	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	8/9/1991		8/9/1991		2/1/1992										
26403	SR367035	SSG	EMPLACED_CNTR	9/7/2010 18:43	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	9/30/1991		9/30/1991		3/24/1992										
26404	SR367037	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	11/14/1991		11/14/1991		5/8/1992										
26405	SR367040	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	6/24/1992		6/24/1992		12/17/1992										
26406	SR367046	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400		0	7/27/1993		7/27/1993		1/19/1994										
26407	SR386310	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	1/18/1995	11/1/2004	1/18/1995	11/1/2004	7/13/1995										
26408	SR500249	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	7/5/1974	10/25/2007	2/22/2000	10/25/2007	8/18/2000										
26409	SR500250	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	7/30/1974	11/18/2004	1/25/2000	11/18/2004	7/19/2000										
26410	SR500255B	SSG	EMPLACED_CNTR	11/15/2012 12:50	9/12/2012 17:01	mccabed	SR-W027-773A-HET	55400			8/12/1974	8/15/2012		8/15/2012		Added per JHarrison email 091212.		TRUE	TRUE	TRUE	NA				
26411	SR500255C	SSG	EMPLACED_CNTR	11/15/2012 12:50	9/12/2012 17:01	mccabed	SR-W027-773A-HET	55400			8/12/1974	8/15/2012		8/15/2012		Added per JHarrison email 091212.		TRUE	TRUE	TRUE	NA				
26412	SR500257	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	1/2/1975	9/17/2004	4/6/1999	9/17/2004	9/29/1999										
26413	SR500264	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	55400	Remediate	1	12/3/1974	11/9/2006	11/15/1999	11/9/2006	5/9/2000										
26414	SR500416A	SSG	EMPLACED_CNTR	11/4/2012 10:04	8/22/2012 12:53	mccabed	SR-W027-773A-HET	55400			8/7/2012		8/7/2012			Parent cask SR500416 has been excluded in the SRS RH AK as LLW. Generation date: 8/16/1974. Added per JHarrison email 082112.		TRUE	TRUE	TRUE	NA				
26415	SR500416B	SSG	EMPLACED_CNTR	11/15/2012 12:50	8/22/2012 12:53	mccabed	SR-W027-773A-HET	55400			8/7/2012		8/7/2012			Parent cask SR500416 has been excluded in the SRS RH AK as LLW. Generation date: 8/16/1974. Added per JHarrison email 082112.		TRUE	TRUE	TRUE	NA				
26416	SR500416C	SSG	EMPLACED_CNTR	12/7/2012 9:29	8/22/2012 12:54	mccabed	SR-W027-773A-HET	55400			8/7/2012		8/7/2012			Parent cask SR500416 has been excluded in the SRS RH AK as LLW. Generation date: 8/16/1974. Added per JHarrison email 082112.		TRUE	TRUE	TRUE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26417	SR500417A	SSG	APPROVED_CERT		9/25/2012 12:25	mccabed	SR-W027-773A-MET	S5400			11/6/1974	8/27/2012		8/27/2012		Added per JHarrison email 091212		TRUE	TRUE	TRUE	NA				
26418	SR500418A	SSG	EMPLACED_CNTR	12/7/2012 13:31	8/12/2012 12:55	mccabed	SR-W027-773A-MET	S5400			8/2/2012		8/2/2012			Parent cask SR500418 has been excluded in the SRS RH AA as LLW. Generation date: 11/6/1974. Added per JHarrison email 082112.		TRUE	TRUE	TRUE	NA				
26419	SR500421	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	11/6/1974	8/1/2006		8/1/2006											
26420	SR500422	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/11/1974	10/25/2007		10/25/2007											
26421	SR500423	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/11/1974	12/19/2007		12/19/2007											
26422	SR500423A	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	12/19/2007		12/19/2007		6/12/2008										
26423	SR500426	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/11/1974	1/7/2007	1/27/2000	1/7/2007	7/21/2000										
26424	SR500427	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/11/1974	9/28/2006	2/14/1996	9/28/2006	8/9/1996										
26425	SR500431	SSG	EMPLACED_CNTR	5/3/2004	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/12/1974	8/19/2005	1/27/2000	8/19/2005	7/21/2000										
26426	SR500432	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/12/1974	3/1/2006		3/1/2006											
26427	SR500433	SSG	EMPLACED_CNTR	6/3/2011 23:24	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/12/1974	9/17/2008	1/24/2000	9/17/2008	7/18/2000	10/22/04 V&P Vent		TRUE	TRUE	TRUE					
26428	SR500434	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/12/1974	11/16/2004	1/26/2000	11/16/2004	7/14/2000										
26429	SR500435	SSG	EMPLACED_CNTR	9/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/13/1974	3/7/2007	1/19/2000	3/7/2007	7/13/2000										
26430	SR500436	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/13/1974	9/13/2006	2/19/1996	9/13/2006	8/13/1996										
26431	SR500437	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/13/1974	12/5/2004	1/27/2000	12/5/2004	7/21/2000										
26432	SR500438	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	V&P Vent	0	9/13/1974	9/13/1974	1/20/2000	8/12/2006	7/14/2000										
26433	SR500439	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	11/8/1974	12/17/2006	2/2/2000	12/17/2006	7/27/2000										
26434	SR500440	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/20/1974	11/16/2007		11/16/2007											
26435	SR500444	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	V&P Vent	0	12/5/1974	12/3/1974	4/7/1999	8/15/2006	9/30/1999										
26436	SR500460	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	7/25/2006	5/11/1999	7/25/2006	11/3/1999										
26437	SR500461	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	11/23/2004	11/2/1999	11/23/2004	4/26/2000										
26438	SR500462	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	2/7/2007		2/7/2007											
26439	SR500462A	SSG	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1		2/7/2007		2/7/2007											
26440	SR500463	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	11/12/2004	3/3/1999	11/12/2004	8/26/1999										
26441	SR500464	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	10/6/2004	11/9/1999	10/6/2004	5/3/2000										
26442	SR500465	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	7/25/2007	6/29/1999	7/25/2007	12/22/1999										
26443	SR500468	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	3/18/2006	7/26/1995	3/18/2006	1/18/1996										
26444	SR500469	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/4/1975	2/12/2007	11/1/1999	2/12/2007	4/26/2000	Rem 10/26/06		TRUE	TRUE	TRUE					
26445	SR500469A	SSG	EMPLACED_CNTR	8/28/2010 14:31	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1		10/26/2006		10/26/2006											
26446	SR500471	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	9/8/2004	3/3/1999	9/8/2004	8/26/1999										
26447	SR500472	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	11/4/2004	11/16/1999	11/4/2004	5/10/2000										
26448	SR500473	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	9/12/2004	7/1/1999	9/12/2004	12/24/1999										
26449	SR500474	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	12/7/2006	6/30/1999	12/7/2006	12/23/1999										
26450	SR500476	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	V&P Vent	0	4/29/1975	4/29/1975		9/1/2006											
26451	SR500477	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	4/29/1975	11/23/2004	3/3/1999	11/23/2004	8/26/1999										
26452	SR500479	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	5/14/1975		3/4/1999		8/27/1999										
26453	SR500480	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	4/29/1975		3/3/1999		8/26/1999										
26454	SR500481	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	5/14/1975	11/7/2004	7/27/1995	11/7/2004	1/19/1996										
26455	SR500482	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	5/14/1975	11/11/2006	7/26/1995	11/11/2006	1/18/1996										
26456	SR500488A	SWB	EMPLACED_CNTR	8/19/2013 14:54	8/14/2012 15:08	mccabed	SR-W027-773A-MET	S5400			3/21/2012	6/20/2012	3/21/2012	6/20/2012		Added back per JHarrison email 050912	- Rpkgd was SR500488 - Rpkgd into SR500488D	TRUE	TRUE	TRUE	NA				
26457	SR500488B	SWB	EMPLACED_CNTR	11/2/2012 9:24	5/9/2012 17:19	mccabed	SR-W027-773A-MET	S5400			3/21/2012		3/21/2012			Added back per JHarrison email 050912	- Rpkgd was SR500488	TRUE	TRUE	TRUE	NA		SR500488		Daughter
26458	SR500488C	SWB	EMPLACED_CNTR	11/28/2012 10:51	5/9/2012 17:19	mccabed	SR-W027-773A-MET	S5400			3/21/2012		3/21/2012			Added back per JHarrison email 050912	- Rpkgd was SR500488	TRUE	TRUE	TRUE	NA		SR500488		Daughter
26459	SR500488D	SSG	EMPLACED_CNTR	11/4/2012 10:04	8/14/2012 15:08	mccabed	SR-W027-773A-MET	S5400			6/20/2012		6/20/2012			Daughter drum added per JHarrison email 081412	- Rpkgd was SR500488 - Rpkgd was SR500488A	TRUE	TRUE	TRUE	NA		SR500488A	SR500488	Daughter
26460	SR500490	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	2/1/2008		2/1/2008											
26461	SR500490A	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	2/1/2008		2/1/2008		7/26/2006										
26462	SR500493	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	9/23/2004	6/29/1999	9/23/2004	12/22/1999										
26463	SR500494	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	10/14/2004	3/4/1999	10/14/2004	8/27/1999										
26464	SR500495	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	9/21/2004	3/24/1999	9/21/2004	9/16/1999										
26465	SR500496	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	11/13/2004	6/30/1999	11/13/2004	12/13/1999										
26466	SR500497	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/12/1975	11/12/2004	11/4/1999	11/12/2004	4/28/2000										
26467	SR500498	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	5/14/1975	3/12/2008		3/12/2008											
26468	SR500498A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	3/12/2008		3/12/2008		9/4/2008										
26469	SR500499	SSG	EMPLACED_CNTR	1/7/2011 12:14	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediation	0	5/14/1975	12/7/2009		12/7/2009											
26470	SR500499A	SSG	EMPLACED_CNTR	1/7/2011 12:14	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-773A-MET	S5400		0	12/7/2009		12/7/2009		6/1/2010										
26471	SR500500	SSG	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	5/14/1975	3/25/2008		3/25/2008											
26472	SR500706	SWB	EMPLACED_CNTR	5/1/2013 15:16	11/30/2011 15:24	mccabed	SR-W027-773A-MET	S5400			6/18/1975	11/22/2011	6/18/1975	11/22/2011		Plywood box removed from culvert and placed into SWB.		TRUE	FALSE	TRUE					
26473	SR500708	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	8/1/1978	9/6/2004	7/1/1999	9/6/2004	12/24/1999										
26474	SR500713	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	8/24/1978	9/10/2004	7/13/1999	9/10/2004	1/5/2000										
26475	SR500714	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	9/5/1978	10/12/2004	5/24/1999	10/12/2004	11/16/1999										
26476	SR500720	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/5/1978	9/7/2006	5/24/1999	9/7/2006	11/16/1999										
26477	SR500721	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	V&P Vent	0	10/24/1978	10/24/1978	10/24/1978	1/2/2007	4/18/1979										
26478	SR500722	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/24/1978	11/29/2006		11/29/2006											
26479	SR500722A	SSG	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1		11/29/2006		11/29/2006											
26480	SR500723	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	10/24/1978	3/19/2008		3/19/2008											
26481	SR500723A	SSG	EMPLACED_CNTR	4/16/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400		0	3/19/2008		3/19/2008		9/11/2008										
26482	SR500732	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/29/1978	9/13/2004	4/27/1999	9/13/2004	10/29/1999										
26483	SR500733	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/29/1978	9/8/2004	4/27/1999	9/8/2004	10/29/1999										
26484	SR500735	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	7/18/1978	10/13/2004	5/6/1999	10/13/2004	10/29/1999										
26485	SR500736	SSG	EMPLACED_CNTR	6/18/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	7/18/1978	11/28/2007		11/28/2007											
26486	SR500742	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	8/1/1978	11/28/2006	11/4/1999	11/28/2006	4/28/2000										
26487	SR501050	SSG	APPROVED_CERT		11/5/2012 11:38	mccabed	SR-W027-773A-MET	S5400			9/25/1974	4/30/2012		4/30/2012		Added per JHarrison email 110212.		TRUE	TRUE	TRUE	NA				
26488	SR501361	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	2/6/1975	9/23/2004	5/26/1999	9/23/2004	11/18/1999										
26489	SR501363	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	2/6/1975	9/5/2004	5/25/1999	9/5/2004	11/17/1999										
26490	SR501375	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/28/1975	9/23/2004	12/1/1998	9/23/2004	5/26/1999										
26491	SR501376	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/31/1975	6/25/2007		6/25/2007											
26492	SR501377	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/28/1975	9/22/2004	4/7/1999	9/22/2004	9/30/1999										
26493	SR501378	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/17/1975	12/13/2006	4/6/1999	12/12/2006	9/29/1999										
26494	SR501379	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/28/1975	8/3/2006	4/5/1999	8/3/2006	9/28/1999										
26495	SR501381	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/28/1975	9/18/2004	4/5/1999	9/18/2004	9/28/1999										
26496	SR501382	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/31/1975	3/25/2008		3/25/2008											
26497	SR501382A	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	6/11/2007	4/9/2008	6/21/2007	4/9/2008	12/14/2007										
26498	SR501382B	SSG	EMPLACED_CNTR	8/26/2010 14:33	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400			6/11/2007		6/21/2007												
26499	SR501384	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Upd	SR-W027-773A-MET	S5400	Remediate	1	1/2/1975	6/15/2007		6/15/2007											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26500	SR501388	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/21/1975	10/6/2004	4/19/1999	10/6/2004	10/12/1999										
26501	SR501389	SSG	EMPLACED_CNTR	4/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	2/21/1975	2/21/1975		2/23/2007											
26502	SR501390	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/21/1975	6/12/2007		6/12/2007											
26503	SR501391	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/21/1975	10/4/2007		10/4/2007											
26504	SR501392A	SSG	APPROVED_CERT		3/11/2013 13:00	mccabed	SR-W027-773A-HET	S5400	None	0	12/5/2011		12/5/2011			EXCLUDE as RH per CSimmons 030311; Un-exclude per JHarrison 031113.	- Rpkgd was SR501392	TRUE	TRUE	TRUE			SR501392		Daughter
26505	SR501393	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/21/1975	4/12/2007		4/12/2007											
26506	SR503113A	SSG	EMPLACED_CNTR	12/15/2012 13:44	9/12/2012 16:53	mccabed	SR-W027-773A-HET	S5400			4/17/1974	8/20/2012		8/20/2012		Added per JHarrison email 091212.		TRUE	TRUE	TRUE	NA				
26507	SR503113C	SSG	APPROVED_CERT		9/12/2012 16:53	mccabed	SR-W027-773A-HET	S5400			4/17/1974	8/20/2012		8/20/2012		Added per JHarrison email 091212		TRUE	TRUE	TRUE	NA				
26508	SR503113D	SWB	EMPLACED_CNTR	5/1/2013 15:16	10/9/2012 22:35	mccabed	SR-W027-773A-HET	S5400			4/17/1974	9/13/2012		9/13/2012		Added per LWatson email 100912		TRUE	TRUE	TRUE	NA				
26509	SR503130	SSG	EMPLACED_CNTR	10/25/2012 15:30	1/30/2012 16:03	mccabed	SR-W027-773A-HET	S5400	Remediation	0	8/2/1974	1/25/2012		1/25/2012		No longer considered LLW per C Simmons 070909		TRUE	TRUE	TRUE					
26510	SR503159A	SLB2	EMPLACED_CNTR	3/17/2013 15:58	9/12/2012 16:08	mccabed	SR-W027-773A-HET	S5400			4/2/2012		4/2/2012	4/3/2013		(TRCUL125); closure and vent dates per JWeichsel email 091112.		TRUE	FALSE	TRUE					
26511	SR503701	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	12/27/2007		12/27/2007											
26512	SR503702	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/8/1976	11/11/2004	11/8/1999	11/11/2004	5/2/2000										
26513	SR503706	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	12/6/2004	3/1/1999	12/6/2004	8/24/1999										
26514	SR503710	SSG	EMPLACED_CNTR	11/23/2010 20:52	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	11/8/2004		11/8/2004											
26515	SR503711	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	9/15/2008		9/15/2008											
26516	SR503717	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	6/28/2005		6/28/2005											
26517	SR503722	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/22/1976	4/18/2008		4/18/2008											
26518	SR503726	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/29/1976	12/6/2006	11/2/1999	12/6/2006	4/26/2000										
26519	SR503728	SSG	EMPLACED_CNTR	4/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/29/1976	11/28/2006	3/1/1999	11/28/2006	8/24/1999										
26520	SR503730	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/29/1976	8/1/2007		8/1/2007											
26521	SR503733	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/26/1976	7/10/2006	3/1/1999	7/10/2006	8/24/1999										
26522	SR503734	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/18/1976	10/12/2004	11/1/1999	10/12/2004	4/25/2000										
26523	SR503735	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/26/1976	11/22/2004	2/24/1999	11/22/2004	8/19/1999										
26524	SR503737	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	2/25/1976		2/24/1999		8/19/1999										
26525	SR503739	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/26/1976	11/28/2006		11/28/2006											
26526	SR503739A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		11/28/2006		11/28/2006											
26527	SR503740	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/26/1976	12/11/2006		12/11/2006											
26528	SR503740A	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		12/11/2006		12/11/2006											
26529	SR503741	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/25/1976	11/9/2004	2/24/1999	11/9/2004	8/19/1999										
26530	SR503747	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/1/1976	9/17/2004	3/22/1999	9/17/2004	9/14/1999										
26531	SR503749	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	4/1/1976	4/1/1976		2/16/2007											
26532	SR503750	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/1/1976	12/22/2006	2/23/1999	12/22/2006	8/18/1999										
26533	SR503751	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/1/1976	6/19/2007		6/19/2007											
26534	SR503751A	SSG	EMPLACED_CNTR	12/7/2012 13:31	3/22/2012 10:17	mccabed	SR-W027-773A-HET	S5400			6/20/2007	3/16/2012	6/20/2007	3/16/2012		Container was previously assigned SWD071388; Tru drum repacking 221-F-55006.	- Rpkgd into SR503751B	TRUE	FALSE	TRUE					
26535	SR503751B	SSG	EMPLACED_CNTR	12/6/2012 13:41	3/22/2012 10:17	mccabed	SR-W027-773A-HET	S5400			3/16/2012		3/16/2012			Tru drum repacking 221-F-55006.	Rpkgd was SR503751A	TRUE	FALSE	TRUE			SR503751A		Daughter
26536	SR503753	SSG	EMPLACED_CNTR	5/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/1/1976	9/10/2004	3/9/1999	9/10/2004	9/1/1999										
26537	SR503754	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	4/1/1976	4/1/1976		2/10/2007											
26538	SR503755	SSG	EMPLACED_CNTR	1/25/2010 19:41	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	4/1/1976	4/1/1976		2/10/2007											
26539	SR503757	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	12/23/2006	4/14/1999	12/23/2006	10/7/1999										
26540	SR503901	SSG	EMPLACED_CNTR	7/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	7/31/1975	11/11/2004	11/4/1999	11/11/2004	4/28/2000										
26541	SR503904	SSG	EMPLACED_CNTR	5/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/27/1975	12/14/2006	3/17/1999	12/14/2006	9/9/1999										
26542	SR503905	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/4/1975	10/18/2007		10/18/2007											
26543	SR503906	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/4/1975	6/12/2007		6/12/2007											
26544	SR503906A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		6/12/2007		6/12/2007											
26545	SR503912	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1975	5/17/2007		5/17/2007											
26546	SR503913	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1975	11/22/2004	3/16/1999	11/22/2004	9/8/1999										
26547	SR503919	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1975	2/20/2007		2/20/2007											
26548	SR503922	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1975	5/24/2007		5/24/2007											
26549	SR503924	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/8/1976	11/5/2004		11/5/2004											
26550	SR503930	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/7/1976	6/12/2007		6/12/2007											
26551	SR503930A	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/12/2007		6/12/2007		12/5/2007										
26552	SR503931	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/2/1976	6/12/2007		6/12/2007											
26553	SR503933	SSG	EMPLACED_CNTR	7/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/16/1975	10/10/2004	3/11/1999	10/10/2004	9/3/1999										
26554	SR503936	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/16/1975	11/5/2004	2/23/1999	11/5/2004	8/18/1999										
26555	SR503938	SSG	EMPLACED_CNTR	8/28/2010 14:33	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	9/5/2007	6/29/1999	9/5/2007	12/23/1999										
26556	SR503946	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	11/24/2004		11/24/2004											
26557	SR503947	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/8/1976	11/10/2004	5/13/2004	11/10/2004	11/5/2004										
26558	SR503951	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	12/14/2006	3/15/1999	12/14/2006	9/7/1999										
26559	SR503952	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	8/3/2006	6/29/1999	8/3/2006	12/22/1999										
26560	SR503954	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	11/14/2007		11/14/2007											
26561	SR503957	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	11/22/2004	3/15/1999	11/22/2004	9/7/1999										
26562	SR503959	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1975	5/24/2007	3/15/1999	5/24/2007	9/7/1999										
26563	SR503964	SSG	EMPLACED_CNTR	8/28/2010 14:31	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/8/1976	12/14/2006	3/2/1999	12/14/2006	8/25/1999										
26564	SR503965	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/8/1976	7/24/2006	3/2/1999	7/24/2006	8/25/1999										
26565	SR503976	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	11/11/2004		11/11/2004											
26566	SR503978	SLB2	APPROVED_SHIP		10/15/2012 14:46	mccabed	SR-W027-773A-HET	S5400			3/13/2012		3/13/2012	6/11/2012		Concrete Culvert container removal and loading; Filter reconfiguration date: 6/11/12; Reduced filter model NET-013. Permit-Only VentDate1): 9/24/2012.		TRUE	FALSE	TRUE					
26567	SR503979	SSG	EMPLACED_CNTR	2/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	4/23/2008		4/23/2008											
26568	SR503979A	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/23/2008		4/23/2008		10/16/2008										
26569	SR503980	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	9/18/2004	3/1/1999	9/18/2004	8/24/1999										
26570	SR503982	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	5/8/2008		5/8/2008											
26571	SR503982A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/8/2008		5/8/2008		10/31/2008										
26572	SR503985	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	4/29/1976	4/29/1976		3/31/2008											
26573	SR503990	SSG	EMPLACED_CNTR	8/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	6/10/1976	1/8/2008		1/8/2008											
26574	SR503990A	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/8/2008		1/8/2008	7/1/2008											
26575	SR503995	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	6/10/1976	6/10/1976		4/25/2007											
26576	SR503996	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	6/10/1976	6/10/1976		4/24/2007											
26577	SR503997	SLB2	EMPLACED_CNTR	8/11/2013 10:12	10/15/2012 14:48	mccabed	SR-W027-773A-HET	S5400			8/16/2012		8/16/2012	10/9/2012		Concrete Culvert container removal and loading; 221-F-55078 Tru Waste Container Remediation; Parent generation date: 3/5/2012; Filter reconfiguration date: 10/9/2012; Reduced filter model NET-013		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26578	SR503998	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/10/1976	7/4/2005		7/4/2005											
																Added per JHarrison 052013; Dates updated per									
26579	SR504026A	SUB2	APPROVED_CERT		6/25/2013 9:10	mccabed	SR-WQ27-773A-HET	S5400			4/18/2013		4/18/2013	4/18/2013		JBiedscheid 062413.		TRUE	TRUE	TRUE	NA				
26580	SR504026B	SWB	APPROVED_CERT		10/31/2012 13:46	mccabed	SR-WQ27-773A-HET	S5400			9/9/1976	4/30/2012		4/30/2012		Added per JHarrison email 103112		TRUE	FALSE	TRUE	NA				
26581	SR504026C	SWB	APPROVED_CERT		5/9/2013 18:48	mccabed	SR-WQ27-773A-HET	S5400			9/9/1976	4/22/2013		4/22/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
26582	SR504026D	SWB	APPROVED_CERT		5/9/2013 19:50	mccabed	SR-WQ27-773A-HET	S5400			9/9/1976	4/22/2013		4/22/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
26583	SR504038	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	10/1/2004	3/23/1999	10/1/2004	9/15/1999											
26584	SR504039	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	10/30/2006		10/30/2006											
26585	SR504040	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	10/15/2004	3/23/1999	10/15/2004	9/15/1999											
26586	SR504041	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	12/12/2006		12/12/2006											
26587	SR504043	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	11/7/2004		11/7/2004											
26588	SR504044	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	11/30/2006		11/30/2006											
26589	SR504045	SSG	EMPLACED_CNTR	8/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	7/9/2005	3/18/1999	7/9/2005	9/10/1999											
26590	SR504048	SSG	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/7/1975	1/25/2008		1/25/2008											
26591	SR504048A	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/25/2008		1/25/2008		7/19/2008											
26592	SR504049	SSG	EMPLACED_CNTR	5/29/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/7/1975	3/6/2007	11/4/1999	3/6/2007	4/28/2000											
26593	SR504050	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/4/1975	12/19/2007		12/19/2007											
26594	SR504052	SSG	EMPLACED_CNTR	4/28/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/7/1975	8/23/2006	3/15/1999	8/23/2006	9/7/1999											
26595	SR504058	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/27/1975	11/3/2004		11/3/2004											
26596	SR504059	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/27/1975	11/16/2006		11/16/2006											
26597	SR504063	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/27/1975	9/17/2004	3/16/1999	9/17/2004	9/8/1999											
26598	SR504074	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/31/1975	8/22/2006	3/15/1999	8/22/2006	9/7/1999											
26599	SR504702	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/22/1976	11/5/2004	3/30/1999	11/5/2004	9/22/1999											
26600	SR504703	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/4/1976	11/12/2004	3/8/1999	11/12/2004	8/31/1999											
26601	SR504705	SSG	APPROVED_CERT		5/18/2012 17:15	mccabed	SR-WQ27-773A-HET	S5400	Vent		9/2/1976	5/10/2012	9/2/1976	5/10/2012		221-F-55006 Tru Drum Repackaging		TRUE	FALSE	TRUE					
26602	SR504708	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/13/1976	2/29/2008		2/29/2008											
26603	SR504709	SSG	EMPLACED_CNTR	12/26/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1976	6/19/2007		6/19/2007											
26604	SR504710	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/13/1976	10/2/2006		10/2/2006											
26605	SR504711	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/13/1976	11/8/2004		11/8/2004											
26606	SR504718	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/4/1976	1/4/2008		1/4/2008											
26607	SR504723	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/16/1976	7/17/2007		7/17/2007											
26608	SR504729	SSG	EMPLACED_CNTR	9/21/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	9/2/2004	11/8/1999	9/2/2004	5/2/2000											
26609	SR504730	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	11/6/2004	6/8/1999	11/6/2004	12/1/1999											
26610	SR504735	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	9/12/2004	3/24/1999	9/12/2004	9/16/1999											
26611	SR504736	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	7/24/2006	3/16/1999	7/24/2006	9/8/1999											
26612	SR504737	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	8/29/2004	3/31/1999	8/29/2004	9/23/1999											
26613	SR504738	SSG	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/27/1977	10/12/2004	3/16/1999	10/12/2004	9/8/1999											
26614	SR504740	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/24/1977	1/10/2007	5/27/1999	1/10/2007	11/19/1999											
26615	SR504741	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/24/1977		6/1/1999		11/24/1999											
26616	SR504745	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/3/1977	3/4/2008		3/4/2008											
26617	SR504746	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/3/1977	3/5/2008		3/5/2008											
26618	SR504746A	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/5/2008		3/5/2008		8/28/2008											
26619	SR504748	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/3/1977	11/23/2004		11/23/2004											
26620	SR504749	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/3/1977	12/22/2006	6/7/1999	12/22/2006	11/30/1999											
26621	SR504756	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/24/1977	4/11/2007	6/3/1999	4/11/2007	11/26/1999											
26622	SR504757	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/24/1977	9/2/2004	6/1/1999	9/2/2004	11/24/1999											
26623	SR504761	SSG	EMPLACED_CNTR	5/20/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/5/1977	1/10/2008		1/10/2008											
26624	SR504763	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/21/1977	12/5/2006		12/5/2006											
26625	SR504764	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/21/1977	9/12/2006		9/12/2006											
26626	SR504766	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/21/1977	10/15/2004	6/9/1999	10/15/2004	12/2/1999											
26627	SR504774	SSG	EMPLACED_CNTR	4/7/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/2/1977	12/20/2007		12/20/2007											
26628	SR504777	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/21/1977	10/10/2004	6/7/1999	10/10/2004	11/15/1999											
26629	SR504779	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/21/1977	11/7/2004	7/20/1995	11/7/2004	1/12/1996											
26630	SR504800	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/5/1977	7/11/2007	6/14/1999	7/11/2007	12/7/1999											
26631	SR505602	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/2/1978	8/7/2006	5/5/1999	8/7/2006	10/28/1999											
26632	SR505605	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/16/1978	4/11/2007		4/11/2007											
26633	SR505606	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1978	9/27/2006	6/1/1999	9/27/2006	11/24/1999											
26634	SR505610	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	9/26/2007		9/26/2007											
26635	SR505614	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/1/1979	9/10/2004	8/9/1999	9/10/2004	2/1/2000											
26636	SR505617	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/1/1979	10/14/2004	8/5/1999	10/14/2004	1/28/2000											
26637	SR505619	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/6/1979	8/21/2006	6/22/1999	8/21/2006	12/15/1999											
26638	SR505620	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	9/19/2004	8/11/1999	9/19/2004	2/3/2000											
26639	SR505621	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	9/6/2006	6/24/1999	9/6/2006	12/17/1999											
26640	SR505622	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	7/17/2006	6/22/1999	7/17/2006	12/15/1999											
26641	SR505623	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	9/18/2006	11/4/1999	9/18/2006	4/28/2000											
26642	SR505624	SSG	EMPLACED_CNTR	4/30/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	9/14/2004	8/12/1999	9/14/2004	2/4/2000											
26643	SR505628	SSG	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/3/1979	12/19/2006	6/23/1999	12/19/2006	12/16/1999			TRUE	TRUE	TRUE					
26644	SR505628A	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1		8/1/2006		8/1/2006											
26645	SR505630	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/30/1979	10/12/2004	7/14/1999	10/12/2004	1/6/2000											
26646	SR505634	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/30/1979	1/11/2008		1/11/2008											
26647	SR505634A	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	1/11/2008		1/11/2008		7/5/2008											
26648	SR505635	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/30/1979	10/24/2007		10/24/2007											
26649	SR505902	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1977	11/23/2004	11/2/1999	11/23/2004	4/26/2000											
26650	SR505903	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/21/1977	11/16/2004	6/17/1999	11/16/2004	12/10/1999											
26651	SR505905	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1977	8/30/2004	8/19/1999	8/30/2004	2/11/2000											
26652	SR505909	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/30/1977	11/7/2004		11/7/2004											
26653	SR505915	SSG	EMPLACED_CNTR	6/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/6/1977	2/27/2007	10/27/1999	2/27/2007	4/20/2000											
26654	SR505916	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/6/1977	8/17/2006		8/17/2006											
26655	SR505918	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/20/1977	2/25/2008		2/25/2008											
26656	SR505918A	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/25/2008		2/25/2008		8/19/2008											
26657	SR506919	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/20/1977	2/27/2007	10/27/1999	2/27/2007	4/20/2000											
26658	SR506920	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/20/1977	7/9/2005		7/9/2005											
26659	SR506922	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/20/1977	2/7/2008		2/7/2008											
26660	SR506926	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/3/1977	9/11/2004	3/25/1999	9/11/2004	9/17/1999											
26661	SR506927	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/3/1977	9/18/2004	3/30/1999	9/18/2004	9/22/1999											
26662	SR506930	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/6/1977	11/1/2004	3/25/1999	11/1/2004	9/17/1999											
26663	SR506932	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/6/1977	2/23/2008		2/23/2008											
26664	SR506934	SSG	EMPLACED_CNTR	9/29/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/6/1977	4/29/2008		4/29/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26665	SR506938	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400		0	12/13/1977		4/7/1999		9/30/1999										
26666	SR506940	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	V&P Purge	0	12/13/1977	12/13/1977		1/11/2008											
26667	SR506943	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/6/1977	8/29/2004	3/29/1999	8/29/2004	9/21/1999										
26668	SR506950	SSG	APPROVED_CERT		12/12/2012 11:06	mccabed	SR-W027-773A-HET	SS400	None		12/13/1977	10/3/2004	10/3/2004	12/4/2012		SW15.3-SOP-V&P-01 (NF3075)		TRUE	TRUE	TRUE					
26669	SR506952	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/13/1977	9/30/2004	5/11/1999	9/30/2004	11/2/1999										
26670	SR506953	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/22/1977	2/12/2007	4/7/1999	2/12/2007	9/30/1999										
26671	SR506957	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	9/15/2004	6/8/1999	9/15/2004	12/1/1999										
26672	SR506958	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	5/21/2008		5/21/2008											
26673	SR506959	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	7/26/2006	5/10/1999	7/26/2006	11/2/1999										
26674	SR506960	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	10/17/2004	6/9/1999	10/17/2004	12/2/1999										
26675	SR506961	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	11/15/2006	6/8/1999	11/15/2006	12/1/1999										
26676	SR506961A	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1		8/3/2006		8/3/2006											
26677	SR506962	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	11/16/2004		11/16/2004											
26678	SR506963	SSG	EMPLACED_CNTR	1/9/2010 10:13	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/9/1978	5/8/2008		5/8/2008											
26679	SR506963A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400		0	5/8/2008		5/8/2008		10/31/2008										
26680	SR506964	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	V&P Vent	0	2/9/1978	2/9/1978		6/6/2005											
26681	SR506969	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/21/1978	12/22/2008	4/19/1999	12/22/2006	10/12/1999										
26682	SR506971	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/7/1978	9/8/2004	5/11/1999	9/8/2004	11/3/1999										
26683	SR506974	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	7/26/2006	4/19/1999	7/26/2006	10/12/1999										
26684	SR506975	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	11/8/2004	4/15/1999	11/8/2004	10/8/1999										
26685	SR506976	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	4/20/2006	5/11/1999	4/20/2006	11/3/1999										
26686	SR506977	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	10/17/2006	4/14/1999	10/17/2006	10/7/1999										
26687	SR506982	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/4/1978	11/10/2004	4/14/1999	11/10/2004	10/7/1999										
26688	SR506984	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	9/8/2004	4/13/1999	9/8/2004	10/8/1999										
26689	SR506985	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	11/16/2004		11/16/2004											
26690	SR506986	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	10/16/2004	4/13/1999	10/16/2004	10/8/1999										
26691	SR506987	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/27/1978	4/3/2007		4/3/2007											
26692	SR506987A	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400			4/3/2007		4/3/2007												
26693	SR506988	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/27/1978	11/29/2006		11/29/2006											
26694	SR506991	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/11/1978	12/14/2006	5/19/1999	12/14/2006	11/11/1999										
26695	SR506996	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	10/10/2004	12/6/1999	10/10/2004	5/30/2000										
26696	SR506997	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	3/1/2007	11/4/1999	3/1/2007	4/28/2000										
26697	SR506999	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/1/1978	9/16/2004	5/19/1999	9/16/2004	11/11/1999										
26698	SR507000	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/15/1978	10/16/2004	4/29/1999	10/16/2004	10/22/1999										
26699	SR509701	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	9/6/1979	11/12/2004	10/25/1999	11/12/2004	4/18/2000										
26700	SR509703	SSG	APPROVED_CERT		12/12/2012 11:10	mccabed	SR-W027-773A-HET	SS400	None		9/20/1979	11/8/2004	11/8/2004	12/4/2012		SW15.3-SOP-V&P-01 (NF3075)		TRUE	TRUE	TRUE					
26701	SR509704	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	9/20/1979	9/9/2004	10/20/1999	9/9/2004	4/13/2000										
26702	SR509708	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/11/1979	12/5/2006		12/5/2006											
26703	SR509708A	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1		12/5/2006		12/5/2006											
26704	SR509710	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/11/1979	11/29/2006		11/29/2006											
26705	SR509711	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/11/1979	8/2/2006	10/21/1999	8/2/2006	4/14/2000										
26706	SR509715	SSG	APPROVED_CERT		12/12/2012 11:20	mccabed	SR-W027-773A-HET	SS400	None	1	10/24/1979	9/6/2004	9/6/2004	12/3/2012		SW15.3-SOP-V&P-01 (NF3075)		TRUE	TRUE	TRUE					
26707	SR509716	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/24/1979	10/4/2004	8/16/1999	10/4/2004	2/8/2000										
26708	SR509717	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/24/1979	10/13/2004	10/26/1999	10/13/2004	4/19/2000										
26709	SR509720	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/24/1979	10/4/2004	12/2/1999	10/4/2004	5/26/2000										
26710	SR509728	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	11/8/1979	9/15/2004	4/13/1998	9/15/2004	10/6/1998										
26711	SR509729	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	11/8/1979	9/13/2004	5/11/1998	9/13/2004	11/3/1998										
26712	SR509732	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/11/1979	8/17/2006	4/7/1998	8/17/2006	9/30/1998										
26713	SR509740	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	V&P Vent	0	1/22/1980	1/22/1980	3/16/1998	4/6/2006	9/8/1998										
26714	SR509743	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/22/1980	10/2/2004	5/13/1998	10/2/2004	11/5/1998										
26715	SR509747	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/22/1980	9/19/2004	5/14/1998	9/19/2004	11/8/1998										
26716	SR509748	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	0	1/22/1980	9/18/2004	3/17/1998	9/18/2004	9/8/1998										
26717	SR509749	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/14/1980	8/1/2006	4/6/1998	8/1/2006	9/29/1998										
26718	SR509751	SSG	EMPLACED_CNTR	3/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/14/1980	10/2/2004	3/18/1998	10/2/2004	9/10/1998										
26719	SR509752	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/14/1980	10/1/2004	11/3/1997	10/1/2004	4/28/1998										
26720	SR509754	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/14/1980	10/31/2006	3/24/1998	10/31/2006	9/16/1998										
26721	SR509758	SSG	EMPLACED_CNTR	7/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/20/1980	11/7/2004	4/22/1998	11/7/2004	10/15/1998										
26722	SR509759	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/20/1980	10/31/2006	4/21/1998	10/31/2006	10/14/1998										
26723	SR509761	SSG	EMPLACED_CNTR	5/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/20/1980	9/1/2004	4/21/1998	9/1/2004	10/14/1998										
26724	SR509762	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/20/1980	8/13/2006	4/27/1998	8/13/2006	10/20/1998										
26725	SR509763	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/20/1980	6/2/2008		6/2/2008											
26726	SR509763A	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400		0	3/6/2008		3/6/2008		8/29/2008										
26727	SR509766	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/10/1980	2/18/2008		2/18/2008											
26728	SR509769	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/8/1980	4/6/2006	11/6/1997	4/6/2006	5/1/1998										
26729	SR509770	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/8/1980	8/31/2006	11/6/1997	8/31/2006	5/1/1998										
26730	SR509772	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/8/1980	10/1/2004	2/18/1998	10/1/2004	8/13/1998										
26731	SR509773	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/8/1980	5/22/2006		5/22/2006											
26732	SR509774	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/8/1980	5/23/2006		5/23/2006											
26733	SR509776A	LWB	APPROVED_CERT		12/5/2012 10:53	mccabed	SR-W027-773A-HET	SS400		1	11/15/2011		11/15/2011			Added per (Harrison 120512.		TRUE	TRUE	TRUE	NA				
26734	SR509779	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/15/1980	11/2/2006	10/28/1997	11/2/2006	4/22/1998										
26735	SR509781	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/12/1980	10/10/2004	10/28/1997	10/10/2004	4/22/1998										
26736	SR509786	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/1/1980	10/1/2004	10/27/1997	10/1/2004	4/21/1998										
26737	SR509788	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/17/1980	9/7/2006	3/18/1998	9/7/2006	9/10/1998										
26738	SR509789	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/17/1980	8/1/2006	4/21/1998	8/1/2006	10/14/1998										
26739	SR509797	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/14/1980	9/3/2004	4/22/1998	9/3/2004	10/15/1998										
26740	SR509798	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/14/1980	8/29/2004	5/11/1998	8/29/2004	11/3/1998										
26741	SR509799	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/14/1980	11/9/2006	5/14/1998	11/9/2006	11/6/1998										
26742	SR511250	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/15/1979	7/24/2007		7/24/2007											
26743	SR511252	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/7/1979	8/31/2004	8/4/1999	8/31/2004	1/27/2000										
26744	SR511253	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/7/1979	9/6/2004	10/27/1999	9/6/2004	4/20/2000										
26745	SR511254	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/7/1979	11/30/2007		11/30/2007											
26746	SR511256	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/3/1979	9/6/2006	10/26/1999	9/6/2006	4/19/2000										
26747	SR511257	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/3/1979	7/26/2006	8/4/1999	7/26/2006	1/27/2000										
26748	SR511258	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/3/1979	9/28/2006	7/13/1999	9/28/2006	1/5/2000										
26749	SR511261	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/19/1979	9/27/2006	8/4/1999	9/27/2006	1/27/2000										
26750	SR511262	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/19/1979	9/15/2004	8/16/1999	9/15/2004	2/8/2000										
26751	SR511263	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/19/1979	4/12/2007	10/21/1999	4/12/2007	4/14/2000										
26752	SR511264	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/7/1979	9/5/2006	8/25/1999	9/5/2006	2/17/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26753	SRS11267	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	9/6/1979	9/6/2006	8/10/1999	9/6/2006	2/1/2000										
26754	SRS12151	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/10/1980	10/16/2004		10/16/2004											
26755	SRS12152	SSG	EMPLACED_CNTR	1/25/2010 19:41	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	V&P Purge	0	9/16/1980	9/16/1980		5/13/2004											
26756	SRS12164	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/9/1980	6/28/2007	10/20/1997	6/28/2007	4/14/1998										
26757	SRS12164A	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1		1/31/2007		1/31/2007											
26758	SRS12167	SSG	EMPLACED_CNTR	6/27/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	11/4/1980	10/2/2006	10/13/1997	10/2/2006	4/7/1998										
26759	SRS12168	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	11/4/1980	1/24/2008		1/24/2008											
26760	SRS12171	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	11/11/1980	3/4/2008		3/4/2008											
26761	SRS12174	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	11/11/1980	9/15/2004	10/15/1997	9/15/2004	4/9/1998										
26762	SRS12182	SSG	EMPLACED_CNTR	8/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/18/1980	10/2/2004	10/7/1997	10/2/2004	4/1/1998										
26763	SRS12191	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/22/1981	10/17/2004	9/9/1997	10/17/2004	3/4/1998										
26764	SRS13570	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	2/22/2008	11/20/2004	2/22/2008	5/15/2003										
26765	SRS13570A	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	2/22/2008		2/22/2008		8/16/2008										
26766	SRS13571	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	9/12/2004	4/29/1998	9/12/2004	10/22/1998										
26767	SRS13572	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	10/1/2004	4/28/1998	10/1/2004	10/21/1998										
26768	SRS13573	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	10/25/2007		10/25/2007											
26769	SRS13573A	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	10/25/2007		10/25/2007		4/18/2008										
26770	SRS13574	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	8/11/2008		8/11/2008											
26771	SRS13574A	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	5/29/2008		5/29/2008		11/21/2008										
26772	SRS13575	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	5/24/2007		5/24/2007											
26773	SRS13577	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	V&P Purge	0	4/2/1981	4/2/1981		3/8/2007											
26774	SRS13578	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/2/1981	10/2/2007		10/2/2007											
26775	SRS13579A	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	10/2/2007		10/2/2007		3/26/2008										
26776	SRS13580	SSG	EMPLACED_CNTR	9/19/2010 10:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	V&P Vent	0	4/2/1981	4/2/1981		3/8/2007											
26777	SRS13583	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/21/1981	9/1/2004	8/26/1997	9/1/2004	2/18/1998										
26778	SRS13584	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	V&P Vent	0	5/19/1981	5/19/1981	9/1/1997	11/13/2006	2/26/1998										
26779	SRS13585	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	5/19/1981	9/20/2004	8/19/1997	9/20/2004	2/13/1998										
26780	SRS13588	SSG	EMPLACED_CNTR	1/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/21/1981	10/2/2007		10/2/2007											
26781	SRS13588A	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	10/2/2007		10/2/2007		3/26/2008										
26782	SRS13589	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/21/1981	9/10/2007		9/10/2007											
26783	SRS13598	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/21/1981	9/20/2004	8/26/1997	9/20/2004	2/18/1998										
26784	SRS13599	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/21/1981	9/23/2004	8/28/1997	9/23/2004	2/12/1998										
26785	SRS13600	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	6/25/1981	9/19/2004	8/26/1997	9/19/2004	2/18/1998										
26786	SRS14001	SSG			4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	5/19/1981					In Culvert Not Vented		TRUE	TRUE	TRUE					
26787	SRS14509	SSG	EMPLACED_CNTR	8/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	8/3/2006	9/3/1998	8/3/2006	2/26/1999										
26788	SRS14510	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	10/1/2004	9/1/1998	10/1/2004	2/24/1999										
26789	SRS14511	SSG	EMPLACED_CNTR	4/29/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	9/19/2004	9/3/1998	9/19/2004	2/26/1999										
26790	SRS14512	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	9/19/2004	8/26/1998	9/19/2004	2/18/1999										
26791	SRS14513	SSG			4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	7/28/1981					In Culvert Not Vented		TRUE	TRUE	TRUE					
26792	SRS14515	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	11/1/2004	8/26/1998	11/1/2004	2/18/1999										
26793	SRS14516	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	7/28/1981	9/26/2006	9/1/1998	9/26/2006	2/24/1999										
26794	SRS14517	SSG			4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	7/28/1981					In Culvert Not Vented		TRUE	TRUE	TRUE					
26795	SRS14521	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	8/20/1981	9/4/2004	8/31/1998	9/4/2004	2/23/1999										
26796	SRS14522	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	8/20/1981	11/1/2004	8/31/1998	11/1/2004	2/23/1999										
26797	SRS14523	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	8/20/1981	11/2/2004	8/31/1998	11/2/2004	2/23/1999										
26798	SRS14524	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	8/20/1981	9/4/2004	4/20/1998	9/4/2004	10/13/1998										
26799	SRS14525	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	8/20/1981	7/24/2006	8/31/1998	7/24/2006	2/23/1999										
26800	SRS14633	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	9/21/2004	10/7/1998	9/21/2004	4/1/1999										
26801	SRS14634	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	9/1/2004	10/5/1998	9/1/2004	3/30/1999										
26802	SRS14635	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	8/31/2004	10/5/1998	8/31/2004	3/30/1999										
26803	SRS14539	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	8/31/2004	10/1/1998	8/31/2004	3/26/1999										
26804	SRS14540	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	9/19/2004	10/7/1998	9/19/2004	4/1/1999										
26805	SRS14541	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	9/29/2004	10/5/1998	9/29/2004	3/30/1999										
26806	SRS14542	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	10/9/2004	10/5/1998	10/9/2004	3/30/1999										
26807	SRS14543	SSG	EMPLACED_CNTR	8/26/2010 18:08	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	11/29/2006	10/8/1998	11/29/2006	3/31/1999										
26808	SRS14550	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	11/12/2004	10/7/1998	11/12/2004	4/1/1999										
26809	SRS14551	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	11/12/2004	10/5/1998	11/12/2004	3/30/1999										
26810	SRS14552	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	10/29/1981	11/12/2004	10/1/1998	11/12/2004	3/26/1999										
26811	SRS14554	SSG	EMPLACED_CNTR	4/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	7/28/2006	10/8/1998	7/28/2006	4/2/1999										
26812	SRS14555	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	11/29/2006	10/15/1998	11/29/2006	4/9/1999										
26813	SRS14556	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	8/31/2004	10/8/1998	8/31/2004	4/2/1999										
26814	SRS14570	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	9/1/2004	10/8/1998	9/1/2004	4/2/1999										
26815	SRS14571	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	10/7/2004	10/1/1998	10/7/2004	3/26/1999										
26816	SRS14572	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	10/9/2004	10/15/1998	10/9/2004	4/9/1999										
26817	SRS14573	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	3/20/2006	10/1/1998	3/20/2006	3/26/1999										
26818	SRS14576	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	12/3/1981	4/3/2007	9/28/1998	4/3/2007	3/23/1999										
26819	SRS14577	SSG	EMPLACED_CNTR	2/18/2012 9:39	9/12/2011 8:44	mccabed	SR-WQ27-773A-MET	SS400	Remediation		12/3/1981	5/19/2008	3/21/2008	5/19/2008				TRUE	FALSE	TRUE					
26820	SRS14581	SSG	EMPLACED_CNTR	9/3/2010 18:14	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	11/5/2004	8/18/1998	11/5/2004	2/10/1999										
26821	SRS14596	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	5/28/2007		5/28/2007											
26822	SRS14597	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	11/4/2004	8/17/1998	11/4/2004	2/9/1999										
26823	SRS14598	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	11/2/2004	8/17/1998	11/2/2004	2/9/1999										
26824	SRS14599	SSG	EMPLACED_CNTR	1/31/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	7/31/2006	8/19/1998	7/31/2006	2/11/1999										
26825	SRS16147	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	7/31/2006	8/19/1998	7/31/2006	2/10/1999										
26826	SRS16148	SSG	EMPLACED_CNTR	1/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	10/15/2004	9/17/1998	10/15/2004	3/12/1999										
26827	SRS16167	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	1/28/1982	7/24/2007		7/24/2007											
26828	SRS16309	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	10/25/2006	9/10/1998	10/25/2006	3/5/1999										
26829	SRS16310	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	10/8/2004	8/25/1998	10/8/2004	2/17/1999										
26830	SRS16312	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	7/25/2006	8/6/1998	7/25/2006	2/25/1999										
26831	SRS16317	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	5/28/2008		5/28/2008											
26832	SRS16317A	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	5/28/2008		5/28/2008		11/20/2008										
26833	SRS16328	SSG	APPROVED_CERT		12/12/2012 11:22	mccabed	SR-WQ27-773A-MET	SS400	None		3/30/1982	7/31/2006	7/31/2006	12/3/2012		SW15 3-SOP-V&P-01 (INF 90705)		TRUE	TRUE	TRUE					
26834	SRS16329	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	10/16/2004	8/6/1998	10/16/2004	1/29/1999										
26835	SRS16331	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	9/24/2004	8/25/1998	9/24/2004	2/17/1999										
26836	SRS16332	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	8/28/2004	8/25/1998	8/28/2004	2/17/1999										
26837	SRS16333	SSG	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	3/30/1982	11/13/2004	8/5/1998	11/13/2004	1/28/1999			TRUE	TRUE	TRUE					
26838	SRS16345	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/15/1982	12/18/2006	7/28/1998	12/18/2006	1/20/1999										
26839	SRS16346	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400	Remediate	1	4/15/1982	10/8/2004	8/10/1998	10/8/2004	2/2/1999										
26840	SRS16347	SSG	EMPLACED_CNTR	2/6/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-MET	SS400		0	4/15/1982		7/22/1998		1/14/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
26841	SRS16348	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/15/1982	6/26/2006	7/28/1998	6/26/2006	1/20/1999										
26842	SRS16351	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/15/1982	9/13/2004	8/3/1998	9/13/2004	1/26/1999										
26843	SRS16379	SSG	APPROVED_CERT		12/12/2012 11:07	mccabed	SR-WQ27-773A-HET	S5400	None		6/1/1982	11/6/2004	11/6/2004	12/4/2012		SW15.3-SOP-V&P-01 (NF 3075)		TRUE	TRUE	TRUE					
26844	SRS16380	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	3/27/2006	9/10/1998	3/27/2006	3/5/1999										
26845	SRS16381	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	11/6/2004	9/10/1998	11/4/2004	3/5/1999										
26846	SRS16382	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	8/28/2004	9/10/1998	8/28/2004	3/5/1999										
26847	SRS16383	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	9/13/2004	7/28/1998	9/13/2004	1/20/1999										
26848	SRS16384	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	10/14/2004	8/3/1998	10/14/2004	1/26/1999										
26849	SRS16385	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	0	6/1/1982	10/17/2006	9/15/1998	10/17/2006	3/10/1999										
26850	SRS16386	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/1/1982	10/17/2004	7/20/1998	10/17/2004	1/12/1999										
26851	SRS16393	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/24/1982	11/2/2004	7/28/1998	11/2/2004	1/20/1999										
26852	SRS16395	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/24/1982	10/6/2004	8/25/1998	10/6/2004	2/17/1999										
26853	SRS16396	BSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/24/1982	1/11/2007	11/18/1998	1/11/2007	5/13/1999										
26854	SRS16397	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/24/1982	9/23/2004	8/24/1998	9/23/2004	2/16/1999										
26855	SRS16398	SSG	EMPLACED_CNTR	9/1/2010 21:28	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/24/1982	11/21/2004	8/26/1998	11/21/2004	2/18/1999										
26856	SRS16405	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/22/1981	11/4/2004	9/8/1997	11/4/2004	3/3/1998										
26857	SRS16408	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/22/1981	10/14/2004	9/8/1997	10/14/2004	3/3/1998										
26858	SRS16409	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/22/1981	10/9/2004	9/4/1997	10/9/2004	2/27/1998										
26859	SRS16410	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/22/1981	9/28/2004	9/8/1997	9/28/2004	3/3/1998										
26860	SRS16411	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	1/17/2007	3/26/1998	1/17/2007	9/18/1998										
26861	SRS16412	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	11/22/2004	3/26/1998	11/22/2004	9/18/1998										
26862	SRS16429	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	9/29/2004	3/26/1998	9/29/2004	9/18/1998										
26863	SRS16430	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	9/24/2004	4/15/1998	9/24/2004	10/8/1998										
26864	SRS16436	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	9/3/2004	3/26/1998	9/3/2004	9/18/1998										
26865	SRS16437	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	9/29/2004	4/13/1998	9/29/2004	10/6/1998										
26866	SRS16438	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	9/25/2004	4/16/1998	9/25/2004	10/9/1998										
26867	SRS16439	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/26/1981	11/10/2007		11/10/2007											
26868	SRS16453	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	9/13/2004	4/1/1998	9/13/2004	9/24/1998										
26869	SRS16456	SSG	EMPLACED_CNTR	11/23/2010 20:02	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	5/19/2008		5/19/2008											
26870	SRS16456A	SSG	EMPLACED_CNTR	4/13/2011 22:10	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	5/19/2008		5/19/2008		11/11/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
26871	SRS16458	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	9/25/2004	5/5/1998	9/25/2004	10/28/1998										
26872	SRS16459	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	9/12/2004	4/30/1998	9/12/2004	10/23/1998										
26873	SRS16460	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	9/28/2004	4/21/1998	9/28/2004	10/14/1998										
26874	SRS16461	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/2/1981	6/26/2007		6/26/2007											
26875	SRS16461A	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1		1/22/2007		1/22/2007											
26876	SRS16462	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/19/1981	10/8/2004	9/2/1997	10/8/2004	2/25/1998										
26877	SRS16463	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/19/1981	8/28/2004	8/26/1997	8/28/2004	2/18/1998										
26878	SRS16464	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/19/1981	9/30/2004	8/28/1997	9/30/2004	2/20/1998										
26879	SRS16465	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/19/1981	11/13/2004	8/25/1997	11/13/2004	2/17/1998										
26880	SRS16466	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/19/1981	10/8/2004	9/2/1997	10/8/2004	2/25/1998										
26881	SRS1647001	SLB2	EMPLACED_CNTR	5/14/2013 15:06	3/14/2012 14:26	mccabed	SR-WQ27-773A-HET	S5400			9/19/2011		9/19/2011	9/19/2011			- Rpkgd was SRS16470	TRUE	FALSE	TRUE			SRS16470		Daughter
26882	SRS1647002	SLB2	EMPLACED_CNTR	5/14/2013 15:06	3/14/2012 14:27	mccabed	SR-WQ27-773A-HET	S5400			9/19/2011		9/19/2011	9/19/2011			- Rpkgd was SRS16470	TRUE	FALSE	TRUE			SRS16470		Daughter
26883	SRS1647201	SLB2	EMPLACED_CNTR	11/14/2012 10:43	7/24/2012 16:29	mccabed	SR-WQ27-773A-HET	S5400			1/6/2012		1/6/2012	1/6/2012		Updated per JBiedscheid email 072412.		TRUE	TRUE	TRUE					
26884	SRS1647202	SLB2	EMPLACED_CNTR	4/9/2013 16:45	10/15/2012 15:56	mccabed	SR-WQ27-773A-HET	S5400			7/12/2012		7/12/2012	10/1/2012		Added per JHarrison email 053012; 221-F-55079 Tru Waste Container Remediation; Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013	- Rpkgd into SRS1647203	TRUE	TRUE	TRUE					
26885	SRS1647203	SSG	EMPLACED_CNTR	4/4/2013 15:25	8/3/2012 13:56	mccabed	SR-WQ27-773A-HET	S5400			7/12/2012	7/25/2012	7/12/2012	7/25/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS1647202	TRUE	TRUE	TRUE			SRS1647202		Daughter
26886	SRS1647401	SLB2	EMPLACED_CNTR	11/14/2012 14:12	7/24/2012 16:31	mccabed	SR-WQ27-773A-HET	S5400	Remediation		6/12/2012		6/12/2012	7/16/2012		Parent Generation Date: 1/3/12; Filter reconfiguration date: 7/16/12; Reduced filter model: NFT-013; Updated per JBiedscheid email 072412.		TRUE	TRUE	TRUE					
26887	SRS1647402	SLB2	EMPLACED_CNTR	4/28/2013 14:55	10/15/2012 15:59	mccabed	SR-WQ27-773A-HET	S5400			12/30/2011		12/30/2011	10/1/2012		Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
26888	SRS1647501	SLB2	EMPLACED_CNTR	4/16/2013 14:39	10/26/2012 12:49	mccabed	SR-WQ27-773A-HET	S5400			12/21/2011		12/21/2011	10/10/2012		Filter reconfiguration date: 10/10/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
26889	SRS1647504	SWB	EMPLACED_CNTR	11/2/2012 9:23	5/30/2012 8:28	mccabed	SR-WQ27-773A-HET	S5400			6/15/1984	12/27/2011		12/27/2011				TRUE	TRUE	TRUE					
26890	SRS1647701	SLB2	EMPLACED_CNTR	5/14/2013 15:06	5/1/2012 19:44	mccabed	SR-WQ27-773A-HET	S5400			7/23/2011		7/23/2011	4/13/2012		Updated per JBiedscheid email 050112. Filter reconfiguration date: 4/13/12; Reduced filter model NFT-013		TRUE	FALSE	TRUE			SRS16477		Repack
26891	SRS1647702	SLB2	EMPLACED_CNTR	10/26/2012 13:26	3/14/2012 14:27	mccabed	SR-WQ27-773A-HET	S5400			7/23/2011		7/23/2011	7/13/2011			- Rpkgd was SRS16477	TRUE	FALSE	TRUE			SRS16477		Repack
26892	SRS16492	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/25/1981	11/6/2004	8/21/1997	11/6/2004	2/13/1998										
26893	SRS16493	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/25/1981	11/16/2006	8/14/1997	11/16/2006	2/6/1998										
26894	SRS16495	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/25/1981	10/12/2004	8/20/1997	10/12/2004	2/12/1998										
26895	SRS16496	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/25/1981	11/29/2006	8/27/1997	11/29/2006	2/18/1998										
26896	SRS17825	SSG	EMPLACED_CNTR	7/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/4/1985	10/5/2004	11/9/1998	10/5/2004	5/4/1999										
26897	SRS17827	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	12/4/1985		11/12/1996		5/7/1997										
26898	SRS17843	SSG	EMPLACED_CNTR	1/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/4/1985	8/1/2006		8/1/2006											
26899	SRS17849	SSG	EMPLACED_CNTR	12/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/26/1985	7/5/2006	7/10/1996	7/5/2006	1/2/1997										
26900	SRS17857	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	12/4/1985		4/4/1996		9/17/1996										
26901	SRS17883	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	V&P Vent	0	1/2/1986	1/2/1986		5/5/2004											
26902	SRS17888	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	1/2/1986		1/6/1999		7/1/1999										
26903	SRS18425	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	1/16/1986		11/18/1996		5/13/1997										
26904	SRS18467	SSG	EMPLACED_CNTR	12/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	V&P Purge	0	1/16/1986	1/16/1986		9/22/2005											
26905	SRS18494	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	1/16/1986		12/15/1998		6/9/1999										
26906	SRS18908	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1984	10/31/2004		10/31/2004											
26907	SRS18910	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1984	10/17/2006	7/30/1997	10/17/2006	1/22/1998										
26908	SRS18933	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	V&P Vent	0	9/27/1984	9/27/1984	4/15/1997	8/14/2006	10/8/1997										
26909	SRS18937	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/3/1984	10/7/2004	4/15/1997	10/7/2004	10/9/1997										
26910	SRS19001	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	9/25/2004	6/25/1998	9/25/2004	12/18/1998										
26911	SRS19002	SSG	EMPLACED_CNTR	11/23/2010 20:02	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	9/4/2004	8/11/1998	9/4/2004	2/3/1999										
26912	SRS19003	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	9/16/2004	6/25/1998	9/16/2004	12/18/1998										
26913	SRS19004	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	9/24/2004	9/15/1998	9/24/2004	3/10/1999										
26914	SRS19005	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	11/29/2006	6/25/1998	11/28/2006	12/18/1998										
26915	SRS19006	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/2/1982	9/15/2004	6/25/1998	9/15/2004	12/18/1998										
26916	SRS19011	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/16/1982	9/14/2004	6/8/1998	9/14/2004	12/1/1998										
26917	SRS19012	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/16/1982	9/13/2004	7/15/1998	9/13/2004	1/7/1999										
26918	SRS19013	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/16/1982	9/23/2004	6/24/1998	9/23/2004	12/17/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
16918	SRS19014	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1962	9/5/2004	6/11/1998	9/5/2004	12/4/1998										
16920	SRS19015	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/16/1962	9/17/2004	6/11/1998	9/17/2004	12/4/1998										
16921	SRS19016	SSG			4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400			9/16/1962				6/26/1900			TRUE	TRUE	TRUE					
16922	SRS19019	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/15/1982	9/10/2004	6/9/1998	9/10/2004	12/2/1998										
16923	SRS19020	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	4/13/2006	6/8/1998	4/13/2006	12/1/1998										
16924	SRS19040	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	1/15/2008	6/4/1998	1/15/2008	1/27/1999										
16925	SRS19056	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	9/17/2004	6/9/1998	9/17/2004	12/2/1998										
16926	SRS19057	SSG	EMPLACED_CNTR	9/3/2010 21:28	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	9/1/2004	6/9/1998	9/1/2004	12/2/1998										
16927	SRS19058	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	7/20/2006	6/8/1998	7/20/2006	12/1/1998										
16928	SRS19064	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/20/1982	8/29/2004	7/22/1998	8/29/2004	1/14/1999										
16929	SRS19065	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/20/1982	9/29/2004	7/20/1998	9/29/2004	1/12/1999										
16930	SRS19066	SSG	EMPLACED_CNTR	10/12/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/20/1982	2/18/2008		2/18/2008											
16931	SRS19067	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/20/1982	11/6/2004	7/27/1998	11/6/2004	1/19/1999										
16932	SRS19068	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	7/20/1982	10/5/2004	8/10/1998	10/5/2004	2/1/1999										
16933	SRS19089	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400			9/27/1982		6/10/1998		12/3/1998										
16934	SRS19070	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/27/1982	2/1/2007	6/10/1998	2/1/2007	12/3/1998										
16935	SRS19070A	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1		2/1/2007		2/1/2007											
16936	SRS19071	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	9/27/1982	4/18/2006	6/10/1998	4/18/2006	12/3/1998										
16937	SRS19072	SSG	EMPLACED_CNTR	8/26/2010 18:52	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	11/29/2006	7/28/1998	11/29/2006	1/20/1999										
16938	SRS19075	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	9/5/2004	7/22/1998	9/5/2004	1/14/1999										
16939	SRS19078	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	8/29/2004	7/22/1998	8/29/2004	1/14/1999										
16940	SRS19079	SSG	EMPLACED_CNTR	7/24/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	11/12/2004	7/27/1998	11/12/2004	1/19/1999										
16941	SRS19080	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	10/9/2004	7/23/1998	10/9/2004	1/15/1999										
16942	SRS19081	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/5/1982	9/2/2004	8/4/1998	9/2/2004	1/27/1999										
16943	SRS19082	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	8/2/2006	6/25/1998	8/2/2006	12/18/1998										
16944	SRS20002	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	10/28/1982	9/23/2004	6/8/1998	9/23/2004	12/1/1998										
16945	SRS20015	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	12/19/2006	6/22/1998	12/19/2006	12/15/1998										
16946	SRS20020	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	9/15/2004	6/23/1998	9/15/2004	12/16/1998										
16947	SRS20021	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	9/9/2004	6/23/1998	9/9/2004	12/16/1998										
16948	SRS20022	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	7/25/2006	6/25/1998	7/25/2006	12/18/1998										
16949	SRS20023	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	10/18/2004	6/23/1998	10/18/2004	12/16/1998										
16950	SRS20024	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	3/2/2006	6/23/1998	3/2/2006	12/16/1998										
16951	SRS20025	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	9/29/2004	6/18/1998	9/29/2004	12/11/1998										
16952	SRS20026	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	8/2/2006	6/18/1998	8/2/2006	12/11/1998										
16953	SRS20027	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	12/30/1982	9/17/2004	6/23/1998	9/17/2004	12/16/1998										
16954	SRS20030	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/27/1983	8/19/2005	6/24/1998	8/19/2005	12/17/1998										
16955	SRS20031	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	1/27/1983		6/17/1998		12/18/1998										
16956	SRS20033	SSG	EMPLACED_CNTR	7/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/27/1983	10/10/2004	7/13/1998	10/10/2004	1/5/1999										
16957	SRS20034	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/27/1983	9/29/2004	6/18/1998	9/29/2004	12/11/1998										
16958	SRS20035	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	1/27/1983	11/4/2004		11/4/2004											
16959	SRS20038	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	4/19/2006	9/15/1998	4/19/2006	3/10/1999										
16960	SRS20041	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/2/2004	7/8/1998	9/2/2004	12/31/1998										
16961	SRS20042	SSG	EMPLACED_CNTR	9/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/14/2006	9/14/1998	9/14/2006	3/9/1999										
16962	SRS20043	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/17/2004	7/29/1998	9/17/2004	1/21/1999										
16963	SRS20044	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/24/2004	9/15/1998	9/24/2004	3/10/1999										
16964	SRS20049	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	10/3/2004	7/16/1998	10/3/2004	1/8/1999										
16965	SRS20050	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	10/7/2004	7/14/1998	10/7/2004	1/6/1999										
16966	SRS20054	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/19/2006	6/24/1998	9/19/2006	12/17/1998										
16967	SRS20055	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	9/16/2004	7/29/1998	9/16/2004	1/21/1999										
16968	SRS20057	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	2/17/1983	7/6/2006	7/16/1998	7/6/2006	1/8/1999										
16969	SRS20070	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	7/26/2006	6/3/1998	7/26/2006	11/26/1998										
16970	SRS20071	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	10/7/2004	7/9/1998	10/7/2004	1/1/1999										
16971	SRS20072	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	10/7/2004	6/23/1998	10/7/2004	12/16/1998										
16972	SRS20073	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	9/16/2004	6/25/1998	9/16/2004	12/18/1998										
16973	SRS20075	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	4/18/2006	6/23/1998	4/18/2006	12/16/1998										
16974	SRS20078	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	9/1/2004	6/22/1998	9/1/2004	12/15/1998										
16975	SRS20077	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	11/1/2004	7/8/1998	11/1/2004	12/31/1998										
16976	SRS20078	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	9/13/2004	6/4/1998	9/13/2004	12/27/1998										
16977	SRS20079	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	9/9/2004	5/27/1998	9/9/2004	11/19/1998										
16978	SRS20080	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	3/31/1983	3/17/2006		3/17/2006											
16979	SRS20085	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	9/5/2004	5/27/1998	9/5/2004	11/19/1998										
16980	SRS20084	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	7/27/2006	6/16/1998	7/27/2006	12/8/1998										
16981	SRS20100	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	11/4/2004	5/28/1998	11/4/2004	11/20/1998										
16982	SRS21201	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	4/26/1983	11/5/2004	6/3/1998	11/5/2004	11/26/1998										
16983	SRS21203	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/5/1983	12/1/2006	7/29/1998	12/1/2006	1/21/1999										
16984	SRS21204	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/5/1983	7/27/2006	9/1/1998	7/27/2006	2/24/1999										
16985	SRS21207	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/16/1983	10/12/2004	9/14/1998	10/12/2004	3/9/1999										
16986	SRS21209	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/12/1983	8/7/2006	9/1/1998	8/7/2006	2/24/1999										
16987	SRS21214	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/16/1983	10/4/2004	7/21/1998	10/4/2004	1/13/1999										
16988	SRS21215	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/16/1983	10/17/2004	8/13/1998	10/17/2004	2/5/1999										
16989	SRS21216	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	5/19/1983	7/26/2006	9/2/1998	7/26/2006	2/25/1999										
16990	SRS21220	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/28/1983	9/24/2004	9/28/1998	9/24/2004	3/23/1999										
16991	SRS21221	SSG	EMPLACED_CNTR	6/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/2/1983	11/13/2004	7/29/1998	11/13/2004	1/21/1999										
16992	SRS21222	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/2/1983	10/4/2004	7/29/1998	10/4/2004	1/21/1999										
16993	SRS21223	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/2/1983	9/13/2004	8/5/1998	9/13/2004	1/28/1999										
16994	SRS21231	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/28/1983	11/22/2004		11/22/2004											
16995	SRS21233	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/28/1983	9/26/2006	9/22/1998	9/26/2006	3/17/1999										
16996	SRS21234	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/30/1983	6/28/2007	9/28/1998	6/28/2007	3/23/1999										
16997	SRS21235	SSG	EMPLACED_CNTR	9/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/16/1983	10/6/2004	9/1/1998	10/6/2004	2/24/1999										
16998	SRS21242	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/30/1983	9/28/2004	9/28/1998	9/28/2004	3/23/1999										
16999	SRS21243	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/4/1983	10/14/2004	9/16/1998	10/14/2004	3/11/1999										
17000	SRS21244	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/30/1983	12/6/2006	9/24/1998	12/6/2006	3/19/1999										
17001	SRS21267	SSG	EMPLACED_CNTR	3/4/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/4/1983	9/3/2004	7/30/1998	9/3/2004	1/22/1999										
17002	SRS21268	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/4/1983	10/2/2004	8/11/1998	10/2/2004	2/3/1999										
17003	SRS21269	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/4/1983	10/9/2004	9/16/1998	10/9/2004	3/11/1999										
17004	SRS21270	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	6/30/1983	7/19/2006	9/28/1998	7/19/2006	3/23/1999										
17005	SRS22201	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400		0	8/4/1983		6/23/1998		12/16/1998										
17006	SRS22204	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Upd	SR-W027-773A-HET	S5400	Remediate	1	8/18/1983	10/7/2004	6/24/1998	10/7/2004	12/17/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27007	SR522205	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/18/1983	7/24/2006	6/24/1998	7/24/2006	12/17/1998										
27008	SR522206	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/31/1983	11/13/2004	6/24/1998	11/13/2004	12/17/1998										
27009	SR522207	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/31/1983	10/7/2004	6/23/1998	10/7/2004	12/16/1998										
27010	SR522208	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/18/1983	9/14/2004	6/24/1998	9/14/2004	12/17/1998										
27011	SR522209	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/18/1983	9/26/2004	7/14/1998	9/26/2004	1/6/1999										
27012	SR522213	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/18/1983	10/6/2004	8/12/1998	10/6/2004	2/4/1999										
27013	SR522216	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/31/1983	7/24/2006	6/23/1998	7/24/2006	12/16/1998										
27014	SR522237	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/7/1983	10/12/2004	9/8/1998	10/12/2004	3/3/1999										
27015	SR522239	SSG	EMPLACED_CNTR	5/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/8/1983	9/3/2004	6/16/1998	9/3/2004	12/8/1998										
27016	SR522240	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/8/1983	10/4/2004	6/16/1998	10/4/2004	12/11/1998										
27017	SR522242	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/10/2004	5/18/1998	9/10/2004	11/10/1998										
27018	SR522244	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/8/1983	10/17/2006	6/16/1998	10/17/2006	12/9/1998										
27019	SR522244A	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		10/17/2006		10/17/2006											
27020	SR522246	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/8/1983	12/7/2006	6/22/1998	12/7/2006	12/15/1998										
27021	SR522248	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/8/1983	9/3/2004	6/16/1998	9/3/2004	12/9/1998										
27022	SR522249	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/10/2004	5/18/1998	9/10/2004	11/10/1998										
27023	SR522260	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	10/17/2004	5/28/1998	10/17/2004	11/20/1998										
27024	SR522262	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	10/1/2004	5/21/1998	10/1/2004	11/13/1998										
27025	SR522269	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/1/2004	5/21/1998	9/1/2004	11/13/1998										
27026	SR522270	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	12/14/2006	5/27/1998	12/14/2006	11/19/1998										
27027	SR522271	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/6/1983		5/21/1998		11/13/1998										
27028	SR522272	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/6/1983		5/21/1998		11/13/1998										
27029	SR522273	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/1/2004	7/6/1998	9/1/2004	12/29/1998										
27030	SR522273A	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		9/1/2004		9/1/2004											
27031	SR522274	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	11/1/2004	5/28/1998	11/2/2004	11/20/1998										
27032	SR522275	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/6/1983		5/27/1998		11/19/1998										
27033	SR522276	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/6/1983		5/21/1998		11/13/1998										
27034	SR522277	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/6/1983		5/28/1998		11/20/1998										
27035	SR522278	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	10/6/2004	5/27/1998	10/6/2004	11/19/1998										
27036	SR522281	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	12/13/2006		12/13/2006											
27037	SR522282	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/12/2004	5/28/1998	9/12/2004	11/20/1998										
27038	SR522284	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	8/7/2006	5/21/1998	8/7/2006	11/13/1998										
27039	SR522285	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	4/20/2006	5/27/1998	4/20/2006	11/19/1998										
27040	SR522286	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	3/17/2006	5/18/1998	3/17/2006	11/19/1998										
27041	SR522286A	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		3/17/2006		3/17/2006											
27042	SR522287	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	7/10/2006	8/5/1997	7/10/2006	1/28/1998										
27043	SR522288	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	4/20/2006	8/6/1997	4/20/2006	1/29/1998										
27044	SR522288A	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1		4/20/2006		4/20/2006											
27045	SR522289	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	9/9/2004	8/6/1997	9/9/2004	1/29/1998										
27046	SR522291	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/6/1983	9/20/2006		9/20/2006											
27047	SR522292	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	10/15/2004	8/4/1997	10/15/2004	1/27/1998										
27048	SR522294A	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	6/26/2007	10/15/2007	6/26/2007	10/15/2007	12/19/2007										
27049	SR522815	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	7/3/1984	9/15/2004	7/8/1997	9/15/2004	12/31/1997										
27050	SR522831	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/10/1984	4/13/2007	9/23/1997	4/13/2007	3/18/1998										
27051	SR522832	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/10/1984					No Vent Date from SRS		TRUE	TRUE	TRUE					
27052	SR522833	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/10/1984		7/23/1997		1/15/1998										
27053	SR522848	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/27/1984	10/4/2004	4/24/1997	10/4/2004	10/17/1997										
27054	SR522858	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/27/1984	10/8/2004	3/15/1997	10/8/2004	9/17/1997										
27055	SR522886	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/17/1984	9/11/2004	7/23/1997	9/11/2004	1/13/1998										
27056	SR522890	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	4/17/1984	10/16/2004	7/17/1997	10/16/2004	1/9/1998										
27057	SR522895	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/15/1984		7/16/1997		1/9/1998										
27058	SR522896	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/15/1984		7/16/1997		1/8/1998										
27059	SR522900	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/14/1984	9/16/2004	7/21/1997	9/10/2004	1/13/1998										
27060	SR523005	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	10/17/2004	8/5/1997	10/17/2004	1/28/1998										
27061	SR523008	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	9/24/2004	8/6/1997	9/24/2004	1/29/1998										
27062	SR523009	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	8/28/2004	8/5/1997	8/28/2004	1/28/1998										
27063	SR523010	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/3/1983	9/17/2004	8/5/1997	9/17/2004	1/28/1998										
27064	SR523021	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/29/1983	10/14/2004	7/31/1997	10/14/2004	1/23/1998										
27065	SR523022	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/29/1983	8/7/2006	7/31/1997	8/7/2006	1/23/1998										
27066	SR523023	SSG	EMPLACED_CNTR	9/2/2010 18:14	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/29/1983	10/5/2004	7/31/1997	10/5/2004	1/23/1998										
27067	SR523040	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/29/1983	9/30/2004	7/30/1997	9/30/2004	1/22/1998										
27068	SR523041	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/29/1983	10/6/2004	7/30/1997	10/6/2004	1/22/1998										
27069	SR523080	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1984	5/13/2008		5/13/2008											
27070	SR523093	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/20/1984		8/7/1997		1/30/1998										
27071	SR523094	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/20/1984	9/5/2004	8/6/1997	9/5/2004	1/27/1998										
27072	SR523095	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/21/1983	9/4/2004	7/31/1997	9/4/2004	1/23/1998										
27073	SR523096	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/21/1983	10/9/2004	7/30/1997	10/9/2004	1/22/1998										
27074	SR523097	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/10/1984	9/2/2004	12/3/2003	9/2/2004	5/27/2004										
27075	SR523098	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	1/10/1984	1/10/1984	12/3/2003	12/2/2003	5/27/2004										
27076	SR523099	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	1/10/1984	1/10/1984	12/3/2003	12/2/2003	5/27/2004										
27077	SR523100	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/10/1984	1/4/2007	12/3/2003	1/4/2007	5/27/2004										
27078	SR523111DA	SWB	APPROVED_CERT		12/5/2012 10:54	mccabed	SR-W027-773A-HET	S5400			10/31/2012		10/31/2012			Added per JHarrison 120512.		TRUE	TRUE	TRUE	NA				
27079	SR523111DE	SSG	APPROVED_CERT		12/12/2012 12:49	mccabed	SR-W027-773A-HET	S5400			11/1/2012		11/1/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27080	SR523219	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/3/1984	10/8/2004	8/4/1997	10/8/2004	1/27/1998										
27081	SR523220	SSG	EMPLACED_CNTR	6/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/3/1984	10/15/2004	7/29/1997	10/15/2004	1/21/1998										
27082	SR523235A	SWB			4/15/2013 12:29	mccabed	SR-W027-773A-HET	S5400			1/18/1984	4/11/2013		4/11/2013		Added per JHarrison 041513.		TRUE	TRUE	TRUE	NA				
27083	SR523240	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/10/1984	12/14/2006	7/29/1997	12/14/2006	1/21/1998										
27084	SR523241	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/20/1984	9/4/2004	7/31/1997	9/4/2004	1/23/1998										
27085	SR523242	SSG	EMPLACED_CNTR	5/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/20/1984	9/3/2004	7/31/1997	9/3/2004	1/23/1998										
27086	SR523260	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/24/1984	9/13/2004	8/11/1997	9/15/2004	2/3/1998										
27087	SR523278	SSG	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/3/1984	10/4/2007		10/4/2007											
27088	SR523279	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	2/3/1984	2/3/1984		5/28/2004											
27089	SR523280	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	2/3/1984	2/3/1984		5/30/2004											
27090	SR523281	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/3/1984	10/14/2004	8/6/1997	10/14/2004	1/29/1998										
27091	SR523299	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/15/1984	7/27/2006	8/13/1997	7/27/2006	2/5/1998										
27092	SR523564A	SWB			7/19/2013 13:13	mccabed	SR-W027-773A-HET	S5400			12/13/2012	7/9/2013	12/13/2012	7/9/2013		Added per JHarrison 012813; NOP 221-H-8827		TRUE	TRUE	TRUE	NA				
27093	SR523564C	SSG	APPROVED_CERT		1/29/2013 12:06	mccabed	SR-W027-773A-HET	S5400			12/13/2012		12/13/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27094	SR523602	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/12/1984	10/9/2004	8/5/1997	10/9/2004	1/28/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27095	SRS23604	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/23/1984	11/3/2004		11/3/2004											
27096	SRS23605	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/23/1984	9/12/2004	8/6/1997	9/12/2004	1/29/1998										
27097	SRS23606	SSG	EMPLACED_CNTR	8/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/1/1984	10/8/2004	8/6/1997	10/8/2004	1/29/1998										
27098	SRS23608	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/23/1984	9/5/2004	8/7/1997	9/5/2004	1/30/1996										
27099	SRS23609	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/23/1984		7/31/1997		1/23/1996										
27100	SRS23610	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	2/23/1984		8/6/1997		1/29/1996										
27101	SRS23619	SSG	EMPLACED_CNTR	7/9/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/1/1984	3/28/2007		3/28/2007											
27102	SRS23619A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400			3/28/2007		3/28/2007												
27103	SRS23646	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/14/1984		8/14/1997		2/6/1998										
27104	SRS23648	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/14/1984		8/18/1997		2/10/1998										
27105	SRS23649	SSG	EMPLACED_CNTR	1/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/14/1984		8/4/1997		1/27/1998										
27106	SRS23650	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/14/1984		8/18/1997		2/10/1998										
27107	SRS23651	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/14/1984		8/14/1997		2/6/1998										
27108	SRS23677B	SSG	APPROVED_CERT		3/11/2013 13:52	mccabed	SR-WQ27-773A-HET	S5400			9/13/1984	10/25/2012		10/25/2012		Added per JHarrison 031113.		TRUE	TRUE	TRUE	NA				
27109	SRS23677D	SSG	APPROVED_CERT		12/4/2012 1:40	mccabed	SR-WQ27-773A-HET	S5400			9/13/1984	10/25/2012	10/25/2012			Added per JHarrison 120312		TRUE	TRUE	TRUE	NA				
27110	SRS23694	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/1/1984	10/8/2004	7/22/1997	10/8/2004	1/14/1998										
27111	SRS23696	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/29/1984	10/17/2006	8/12/1997	10/17/2006	2/4/1998										
27112	SRS23699	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/29/1984	10/17/2004	8/13/1997	10/17/2004	2/5/1998										
27113	SRS24030	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/23/1984	10/11/2004	5/23/1984	10/11/2004	11/15/1984										
27114	SRS24031	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	5/23/1984	10/14/2004	7/21/1997	10/14/2004	1/13/1998										
27115	SRS24048	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/5/1984	10/8/2004	7/8/1997	10/8/2004	12/31/1997										
27116	SRS24049	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/5/1984	12/7/2006	7/8/1997	12/7/2006	12/31/1997										
27117	SRS24050	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/5/1984	1/24/2008	7/24/1997	1/24/2008	1/16/1998										
27118	SRS24051	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/5/1984	10/7/2004	7/9/1997	10/7/2004	1/1/1998										
27119	SRS24052	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/5/1984	11/30/2006	7/8/1997	11/30/2006	12/31/1997										
27120	SRS24053	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/12/1984	9/4/2004	7/9/1997	9/4/2004	1/1/1998										
27121	SRS24054	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/15/1984	8/2/2006	7/9/1997	8/2/2006	1/1/1998										
27122	SRS24055	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/29/1984	9/10/2004	7/16/1997	9/10/2004	1/8/1998										
27123	SRS24063	SSG	EMPLACED_CNTR	3/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/8/1984	7/13/2005	7/10/1997	7/13/2005	1/2/1998										
27124	SRS24064	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/28/1984	10/15/2004	7/8/1997	10/15/2004	12/31/1997										
27125	SRS24065	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/28/1984	10/31/2004	7/24/1997	10/31/2004	1/16/1998										
27126	SRS24079		APPROVED_CERT		9/13/2011 12:40	mccabed	SR-WQ27-773A-HET	S5400	Remediation		6/20/1984	9/30/2004	6/20/1984	9/30/2004				TRUE	FALSE	TRUE					
27127	SRS24080	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	6/28/1984	5/4/2007	9/24/1997	5/4/2007	1/19/1998										
27128	SRS24081	SSG	EMPLACED_CNTR	12/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/3/1984	9/11/2004	6/24/1997	9/11/2004	12/17/1997										
27129	SRS24082	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/3/1984	9/18/2004	7/15/1997	9/18/2004	1/7/1998										
27130	SRS24116	SSG	EMPLACED_CNTR	8/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1984	1/24/2008	8/16/1984	1/24/2008	2/8/1985										
27131	SRS24117	SSG	EMPLACED_CNTR	9/7/2010 22:37	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1984	10/15/2004	7/22/1997	10/15/2004	1/14/1998										
27132	SRS24118	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1984	8/7/2006	7/21/1997	8/7/2006	1/13/1998										
27133	SRS24119	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/16/1984	8/29/2004	8/14/1997	8/29/2004	2/6/1998										
27134	SRS24127	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/22/1984	9/15/2004	8/7/1997	9/15/2004	1/30/1998										
27135	SRS24128	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/22/1984	2/12/2008	7/14/1997	2/12/2008	1/8/1998										
27136	SRS24157	SSG	EMPLACED_CNTR	8/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/6/1984	10/4/2004	4/15/1997	10/4/2004	10/8/1997										
27137	SRS24158	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/6/1984	10/4/2004	4/24/1997	10/4/2004	10/17/1997										
27138	SRS24188	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	9/18/1984		4/24/1997		10/17/1997										
27139	SRS24191	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/20/1984	9/3/2004	4/14/1997	9/3/2004	10/7/1997										
27140	SRS24192	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/20/1984	10/5/2004	4/24/1997	10/5/2004	10/17/1997										
27141	SRS24193	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/20/1984	10/6/2004	4/15/1997	10/6/2004	10/8/1997										
27142	SRS24222	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/12/1984	4/20/2006	6/25/1997	4/20/2006	12/18/1997										
27143	SRS24223	SSG	EMPLACED_CNTR	3/23/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/12/1984	12/23/2006	7/15/1997	12/23/2006	1/7/1998										
27144	SRS24274	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/12/1984	9/14/2004	6/24/1997	9/14/2004	12/17/1997										
27145	SRS24229	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/18/1984	7/10/2006	7/22/1997	7/10/2006	1/14/1998										
27146	SRS24230	SSG	EMPLACED_CNTR	6/3/2025	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/19/1984	10/16/2004	7/15/1997	10/16/2004	1/7/1998										
27147	SRS24231	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/19/1984	9/19/2006	7/23/1997	9/19/2006	1/15/1998										
27148	SRS24232	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/19/1984	7/17/2006	7/22/1997	7/17/2006	1/14/1998										
27149	SRS24233	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	7/19/1984	10/12/2004	7/18/1997	10/12/2004	1/8/1998										
27150	SRS24270	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/1/1984	10/14/2004	6/25/1997	10/14/2004	12/18/1997										
27151	SRS24271	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/1/1984	10/8/2004	6/25/1997	10/8/2004	12/18/1997										
27152	SRS24272	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/1/1984	10/9/2004	9/23/1997	10/9/2004	1/18/1998										
27153	SRS24273	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/1/1984	10/10/2004	7/21/1997	10/10/2004	1/13/1998										
27154	SRS24300	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/15/1984	11/14/2006	7/16/1997	11/14/2006	1/8/1998										
27155	SRS24310	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/15/1984	8/30/2004	4/14/1997	8/30/2004	10/7/1997										
27156	SRS24311	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/15/1984	3/3/2008	5/6/1997	3/3/2008	10/29/1997										
27157	SRS24311A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/3/2008	5/29/2008	3/3/2008	5/29/2008	8/26/2008										
27158	SRS24322	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/26/1984	9/30/2004	9/24/1997	9/30/2004	1/19/1998										
27159	SRS24323	SSG	EMPLACED_CNTR	9/7/2010 18:43	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	10/26/1984		9/23/1997		1/18/1998										
27160	SRS24325	SSG	EMPLACED_CNTR	2/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/31/1984	10/19/2004	7/10/1997	10/19/2004	1/2/1998										
27161	SRS24326	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/5/1984	11/29/2006	6/25/1997	11/29/2006	12/18/1997										
27162	SRS24332	SSG	EMPLACED_CNTR	1/4/2012 13:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/8/1984	7/8/2008	9/23/1997	7/8/2008	1/14/1998			TRUE	TRUE	TRUE					
27163	SRS24332A	SSG	EMPLACED_CNTR	8/29/2010 14:31	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/8/1984	9/12/2008	7/8/2008	9/12/2008	12/31/2008										
27164	SRS24333	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/7/1984	10/15/2004	4/30/1997	10/15/2004	10/23/1997										
27165	SRS24334	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1984	10/16/2004	2/27/1997	10/16/2004	8/22/1997										
27166	SRS24335	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1984	11/29/2006	3/25/1997	11/29/2006	9/17/1997										
27167	SRS24336	SSG	EMPLACED_CNTR	10/14/2010 10:59	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/16/1985	2/28/2007	2/26/1997	2/28/2007	8/21/1997										
27168	SRS24337	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/16/1985	3/13/2006	2/21/1997	3/13/2006	8/18/1997										
27169	SRS24347	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/19/1984	10/15/2004	4/21/1997	10/15/2004	10/14/1997										
27170	SRS24348	SSG	EMPLACED_CNTR	9/1/2010 18:14	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/19/1984	9/12/2004	3/19/1997	9/12/2004	9/11/1997										
27171	SRS24349	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/19/1984	9/17/2006	4/14/1997	9/17/2006	10/7/1997										
27172	SRS24351A	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	3/7/2008		7/7/2008		12/30/2008										
27173	SRS24358	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/16/1985	7/26/2006	2/25/1997	7/26/2006	8/20/1997										
27174	SRS24365	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/4/1985	12/20/2006	9/25/1997	12/20/2006	3/20/1998										
27175	SRS24400	SSG	EMPLACED_CNTR	8/26/2010 19:52	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/16/1985	12/7/2006	2/26/1997	12/7/2006	8/23/1997										
27176	SRS24420	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/5/1984		8/13/1997		2/5/1998										
27177	SRS24421	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/5/1984		7/30/1997		1/22/1998										
27178	SRS24422	SSG	EMPLACED_CNTR	1/16/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400		0	4/5/1984		8/12/1997		2/4/1998										
27179	SRS24436	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/10/1984	4/6/2006	8/11/1997	4/6/2006	2/3/1998										
27180	SRS24437	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/10/1984	10/5/2004	8/18/1997	10/5/2004	2/10/1998										
27181	SRS24438	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/17/1984	8/28/2004	8/12/1997	8/28/2004	2/4/1998										
27182	SRS24439	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/26/1984	7/20/2006	7/23/1997	7/20/2006	1/15/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27183	SR525068A	SWB	APPROVED_SHIP		11/4/2012 3:41	mccabed	SR-WD27-773A-HET	S5400			11/6/2012		11/6/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27184	SR525068B	SSG	APPROVED_CERT		11/4/2012 3:42	mccabed		S5400			11/6/2012		11/6/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27185	SR525068C	SSG	APPROVED_CERT		12/12/2012 12:48	mccabed	SR-WD27-773A-HET	S5400			11/6/2012		11/6/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27186	SR525068D	SSG	APPROVED_CERT		12/4/2012 3:43	mccabed	SR-WD27-773A-HET	S5400			11/6/2012		11/6/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27187	SR5259SO	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	1/2/1986	1/2/1986		6/4/2005											
27188	SR528122	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/18/1985	11/6/2004	4/18/1985	11/6/2004	10/11/1985										
27189	SR528124	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/18/1985	2/7/2007		2/7/2007											
27190	SR528124D	SSG	EMPLACED_CNTR	12/6/2012 13:41	4/24/2012 20:52	mccabed	SR-WD27-773A-HET	S5400	Remediation		4/25/1985	4/18/2012	4/25/1985	4/18/2012				TRUE	FALSE	TRUE					
27191	SR528175	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	5/22/1985		11/18/1998		5/13/1999										
27192	SR528177	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/22/1985	8/17/2006	10/16/1996	8/17/2006	4/10/1997										
27193	SR528177A	SSG	EMPLACED_CNTR	4/30/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1		8/17/2006		8/17/2006											
27194	SR528178	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	5/22/1985	10/15/2004	11/24/1998	10/15/2004	5/19/1999										
27195	SR528179	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	5/22/1985		10/16/1996		4/10/1997										
27196	SR528180	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	5/22/1985		11/24/1998		5/19/1999										
27197	SR528181	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	5/22/1985		11/18/1998		5/13/1999										
27198	SR528182	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	5/22/1985		11/24/1998		5/19/1999										
27199	SR528226	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	2/12/1985		2/19/1997		8/14/1997										
27200	SR528227	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/12/1985	10/14/2004	2/20/1997	10/14/2004	8/15/1997										
27201	SR528228	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/12/1985	10/16/2006	2/13/1997	10/16/2006	8/8/1997										
27202	SR528229	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/12/1985	4/11/2008	2/12/1997	4/11/2008	8/7/1997										
27203	SR52823301	SLB2	EMPLACED_CNTR	1/11/2013 14:51	11/17/2011 17:08	mccabed	SR-WD27-773A-HET	S5400			7/19/2011		7/19/2011	11/3/2011		Filter Reduction Date: 11/3/2011; Reduced Filter Model: NFT-013.	- Rpkgd was SR528233	TRUE	FALSE	TRUE			SR528233		Repack
27204	SR52823302	SLB2	EMPLACED_CNTR	10/26/2012 13:14	2/21/2012 18:05	mccabed	SR-WD27-773A-HET	S5400	Vent		7/19/2011		7/19/2011	2/14/2012		Filter reduction date: 2/14/2012; Reduced filter model: NFT-013.	- Rpkgd was SR528233	TRUE	FALSE	TRUE			SR528233		Repack
27205	SR52823305	SWB	EMPLACED_CNTR	1/4/2012 13:03	9/7/2011 12:34	mccabed	SR-WD27-773A-HET	S5400			7/20/2011		7/20/2011				- Rpkgd was SR528233	TRUE	FALSE	TRUE			SR528233		Repack
27206	SR52823401	SLB2	EMPLACED_CNTR	3/28/2013 15:07	3/14/2012 14:28	mccabed	SR-WD27-773A-HET	S5400			10/6/2011		10/6/2011	10/6/2011			- Rpkgd was SR528234	TRUE	FALSE	TRUE			SR528234		Daughter
27207	SR52823402	SLB2	EMPLACED_CNTR	3/21/2013 15:26	6/23/2012 22:36	mccabed	SR-WD27-773A-HET	S5400	Remediation		3/9/2012		3/9/2012	3/9/2012		Parent generation date: 10/6/2011.	- Rpkgd was SR528234 - Rpkgd into SR52823401D	TRUE	FALSE	TRUE					
27208	SR52823403	SLB2	EMPLACED_CNTR	6/21/2013 13:15	3/14/2012 14:29	mccabed	SR-WD27-773A-HET	S5400			10/6/2011		10/6/2011	10/6/2011			- Rpkgd was SR528234	TRUE	FALSE	TRUE			SR528234		Daughter
27209	SR52823506	SWB	EMPLACED_CNTR	1/4/2012 10:18	9/7/2011 12:40	mccabed	SR-WD27-773A-HET	S5400			7/14/2011		7/14/2011				- Rpkgd was SR528235	TRUE	FALSE	TRUE			SR528235		Repack
27210	SR52823507	SWB	EMPLACED_CNTR	1/4/2012 10:32	9/7/2011 12:40	mccabed	SR-WD27-773A-HET	S5400			7/14/2011		7/14/2011				- Rpkgd was SR528235	TRUE	FALSE	TRUE			SR528235		Repack
27211	SR52823510	SLB2	EMPLACED_CNTR	6/26/2013 8:31	5/1/2012 19:45	mccabed	SR-WD27-773A-HET	S5400			7/13/2011		7/13/2011	4/13/2012		Updated per JBiedscheid email 050112. Filter reconfiguration date: 4/13/12; Reduced filter model NFT-013	- Rpkgd was SR528235	TRUE	FALSE	TRUE			SR528235		Repack
27212	SR528250	SSG	EMPLACED_CNTR	7/6/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	4/2/1983	4/2/1983		3/26/2008											
27213	SR528252	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/18/1985	1/23/2007		1/23/2007											
27214	SR528253	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/18/1985	11/17/2004		11/17/2004											
27215	SR528254	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/18/1985	6/13/2006	11/19/1996	6/13/2006	5/14/1997										
27216	SR528257	SSG	EMPLACED_CNTR	12/6/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	3/18/1985	7/24/2006	12/1/1994	7/24/2006	5/26/1999										
27217	SR528258	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/1/1985	2/21/2007		2/21/2007											
27218	SR528282	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/1/1985	11/6/2004	7/11/1998	11/6/2004	1/3/1997										
27219	SR528295	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/2/1985	4/21/2008		4/21/2008											
27220	SR528298	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/18/1985	7/8/2005		7/8/2005											
27221	SR528299	SSG			4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	4/18/1985					No Vent Data from SRS		TRUE	TRUE	TRUE					
27222	SR528300	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/18/1985	11/6/2004	4/18/1996	11/6/2004	10/11/1996										
27223	SR528315	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/20/1985	12/19/2006	3/20/1996	12/19/2006	9/12/1996										
27224	SR528316	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	8/27/1985	8/27/1985		9/17/2004											
27225	SR528317	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	8/27/1985		12/7/1998		6/1/1999										
27226	SR528318	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	8/27/1985	11/23/2004	3/18/1996	11/23/2004	9/30/1996										
27227	SR528328	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	10/31/1985	10/31/1985		9/13/2004											
27228	SR528366	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	9/27/1985		6/18/1996		12/11/1996										
27229	SR528368	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	9/27/1985		10/31/1996		4/25/1997										
27230	SR528394	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	9/27/1985		11/19/1996		5/14/1997										
27231	SR528395	SSG	EMPLACED_CNTR	9/19/2010 19:42	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	9/27/1985		12/17/1998		6/11/1999										
27232	SR528396	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	9/27/1985	9/27/1985		4/14/2005											
27233	SR528397	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/3/1985	10/8/2004	12/3/1998	10/8/2004	5/28/1999										
27234	SR528400	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	10/3/1985	10/3/1985		10/22/2004											
27235	SR528425	SSG	EMPLACED_CNTR	12/6/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	6/20/1985		11/11/1996		5/6/1997										
27236	SR528426	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	6/20/1985	10/18/2006		10/18/2006											
27237	SR528452	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	7/10/1985	2/28/2007	5/22/1996	2/28/2007	11/14/1996										
27238	SR528455	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	7/19/1985		4/4/1996		9/27/1996										
27239	SR528456	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	7/19/1985		12/3/1996		5/28/1997										
27240	SR528501	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/3/1985	8/16/2006	4/4/1996	8/16/2006	9/27/1996										
27241	SR528507	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	V&P Vent	0	10/31/1985	10/31/1985		6/4/2005											
27242	SR528508	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	10/31/1985		11/19/1996		5/14/1997										
27243	SR528509	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	10/31/1985	7/27/2006	11/14/1996	7/27/2006	5/9/1997										
27244	SR528588A	SWB			1/30/2013 12:56	mccabed	SR-WD27-773A-HET	S5400			12/3/1985	11/8/2012	11/8/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27245	SR528588C	SSG	APPROVED_CERT		12/4/2012 3:47	mccabed	SR-WD27-773A-HET	S5400			12/3/1985	11/8/2012	11/8/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27246	SR528588D	SSG	APPROVED_CERT		12/4/2012 3:48	mccabed	SR-WD27-773A-HET	S5400			12/3/1985	11/12/2012	11/12/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27247	SR528588E	SSG	APPROVED_CERT		12/4/2012 3:50	mccabed	SR-WD27-773A-HET	S5400			12/3/1985	11/8/2012	11/8/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27248	SR528588F	SSG	APPROVED_CERT		12/4/2012 3:51	mccabed	SR-WD27-773A-HET	S5400			12/3/1985	11/12/2012	11/12/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27249	SR528590	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	11/21/1985	11/3/2006		11/3/2006											
27250	SR528591	SSG	EMPLACED_CNTR	9/7/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	11/21/1985		3/15/1996		9/7/1996										
27251	SR528592	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	11/21/1985		4/9/1996		10/2/1996										
27252	SR531503	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	1/30/1986		1/18/1999		7/13/1999										
27253	SR531504	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	1/30/1986		1/13/1999		7/8/1999										
27254	SR531505	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	2/10/1986		1/11/1999		7/6/1999										
27255	SR531506	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	2/13/1986		11/10/1994		5/5/1999										
27256	SR531522	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	3/3/1986		2/2/1999		7/28/1999										
27257	SR539001	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	2/13/1986	10/8/2004	1/18/1999	10/8/2004	7/13/1999										
27258	SR539002	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	2/18/1986		1/4/1999		6/29/1999										
27259	SR539003	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	3/3/1986		1/11/1999		7/6/1999										
27260	SR539005	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	3/4/1986		11/4/1998		4/29/1999										
27261	SR539009	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	3/5/1986		11/4/1998		4/29/1999										
27262	SR540770	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400		0	4/17/1986		4/17/1986		10/10/1986										
27263	SR540771	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/17/1986	10/18/2006	4/17/1986	10/18/2006	10/10/1986										
27264	SR540774	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400			4/17/1986		6/4/2005		11/28/2005										
27265	SR540776	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WMS_Updt	SR-WD27-773A-HET	S5400	Remediate	1	4/21/1986	7/4/2005		7/4/2005											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27266	SR540777	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/12/1986		10/1/1996		3/26/1997										
27267	SR540778	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400			4/22/1986		4/23/1986		10/16/1986										
27268	SR542935	SSG	EMPLACED_CNTR	9/7/2010 18:43	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	6/23/1986		2/10/1999		8/5/1999										
27269	SR542938	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	7/18/1986	7/18/1986	10/5/1995	8/31/2005	4/3/1997										
27270	SR542961	SSG	EMPLACED_CNTR	3/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/28/1986	10/3/2006	8/28/1986	10/3/2006	2/20/1987										
27271	SR542967	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/20/1987	11/8/2004	1/20/1987	11/8/2004	7/15/1987										
27272	SR542971	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/13/1987		2/13/1987		8/8/1987										
27273	SR542973	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/4/1987		3/4/1987		8/27/1987										
27274	SR542975	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/17/1987	11/1/2004	3/17/1987	11/1/2004	9/9/1987										
27275	SR542976	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/31/1987		3/31/1987		9/23/1987										
27276	SR542977	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/31/1987	7/27/2006	3/31/1987	7/27/2006	9/23/1987										
27277	SR542978	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/22/1987		4/22/1987		10/15/1987										
27278	SR542980	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/22/1987		4/22/1987		10/15/1987										
27279	SR542981	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/1/1987		5/1/1987		10/24/1987										
27280	SR542984	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/4/1987	3/27/2006	5/4/1987	3/27/2006	10/27/1987										
27281	SR542985	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/7/1987		5/7/1987		10/30/1987										
27282	SR542988	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/15/1987	11/5/2004	5/15/1987	11/5/2004	11/7/1987										
27283	SR542993	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	7/8/1987		7/8/1987		12/31/1987										
27284	SR545102	SSG	EMPLACED_CNTR	4/29/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	9/29/1986	7/25/2006	9/29/1986	7/25/2006	3/24/1987										
27285	SR545112	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/30/1986	11/7/2004	10/30/1986	11/7/2004	4/24/1987										
27286	SR545113	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	11/19/1986		11/19/1986		5/14/1987										
27287	SR545116	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/2/1986	12/6/2006	12/2/1986	12/6/2006	5/27/1987										
27288	SR545117	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	12/4/1986		12/4/1986		5/29/1987										
27289	SR545118	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/4/1986	10/16/2006	12/4/1986	10/16/2006	5/29/1987										
27290	SR545121	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/5/1987	2/28/2006	1/5/1987	2/28/2006	6/30/1987										
27291	SR545122	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/23/1987		1/23/1987		7/16/1987										
27292	SR545134	SSG	EMPLACED_CNTR	4/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/24/1987	7/20/2006	8/24/1987	7/20/2006	2/16/1988										
27293	SR545136	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/24/1987		8/24/1987		2/16/1988										
27294	SR545137	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	9/11/1987		9/11/1987		3/5/1988										
27295	SR545141	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/21/1987	2/28/2006	10/21/1987	2/28/2006	4/14/1988										
27296	SR545144	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	12/10/1987		12/10/1987		6/3/1988										
27297	SR545148	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/29/1988		2/29/1988		8/23/1988										
27298	SR545151	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/28/1988	11/22/2004	3/28/1988	11/22/2004	9/20/1988										
27299	SR545160	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	7/8/1988		7/8/1988		12/31/1988										
27300	SR545162	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/16/1988		8/16/1988		2/8/1989										
27301	SR545166	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	9/26/1988		9/26/1988		3/31/1989										
27302	SR545168	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	10/6/1988		10/6/1988		3/31/1989										
27303	SR545172	SSG	EMPLACED_CNTR	2/18/2012 9:42	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/10/1989		1/10/1989		7/5/1989			TRUE	TRUE	TRUE					
27304	SR545181	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/23/1989		3/23/1989		9/15/1989										
27305	SR545182	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	4/14/1989	4/14/1989	4/14/1989	5/13/2005	10/7/1989										
27306	SR570313	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/28/1994		3/28/1994		9/20/1994										
27307	SR570314	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	V&P Vent	0	3/28/1994	3/28/1994	3/28/1994	11/23/2004	9/20/1994										
27308	SR570751	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	6/23/1989	10/26/2006	6/23/1989	10/26/2006	12/16/1989										
27309	SR570752	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/29/1989		8/29/1989		2/11/1990										
27310	SR570756	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	11/21/1989		11/21/1989		5/16/1990										
27311	SR570758	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	12/4/1989		12/4/1989		5/29/1990										
27312	SR570759	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	12/4/1989		12/4/1989		5/29/1990										
27313	SR570762	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	12/18/1989		12/18/1989		6/12/1990										
27314	SR570765	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/16/1990		1/16/1990		7/11/1990										
27315	SR570766	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/17/1990		1/17/1990		7/12/1990										
27316	SR570768	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/13/1990		2/13/1990		8/8/1990										
27317	SR570769	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/21/1990		3/21/1990		9/13/1990										
27318	SR570773	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/15/1990		5/15/1990		11/7/1990										
27319	SR570775	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/21/1990		5/21/1990		11/13/1990										
27320	SR570776	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/21/1990		5/21/1990		11/13/1990										
27321	SR570777	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	6/12/1990		6/12/1990		12/5/1990										
27322	SR570780	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	6/22/1990		6/22/1990		12/15/1990										
27323	SR570781	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	6/27/1990		6/27/1990		12/20/1990										
27324	SR570782	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	7/18/1990		7/18/1990		1/10/1991										
27325	SR570784	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/16/1990		8/16/1990		2/4/1991										
27326	SR570785	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/21/1990		8/21/1990		2/13/1991										
27327	SR570787	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	9/24/1990		9/24/1990		3/19/1991										
27328	SR570790	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/4/1991		2/4/1991		7/30/1991										
27329	SR570792	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/3/1991		1/3/1991		6/28/1991										
27330	SR570793	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/14/1991		2/14/1991		8/9/1991										
27331	SR570794	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	2/15/1991		2/15/1991		8/10/1991										
27332	SR570795	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/18/1991		3/18/1991		9/10/1991										
27333	SR570796	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	3/20/1991		3/20/1991		9/12/1991										
27334	SR570803	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/19/1991		4/19/1991		10/12/1991										
27335	SR570804	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/1/1991	11/17/2004	5/1/1991	11/17/2004	10/24/1991										
27336	SR570806	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/14/1991		8/14/1991		2/6/1992										
27337	SR570808	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/22/1991		8/22/1991		2/14/1992										
27338	SR570809	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/8/1991	5/18/2006	10/8/1991	5/18/2006	4/1/1992										
27339	SR570810	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	10/17/1991		10/17/1991		4/10/1992										
27340	SR570811	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	11/12/1991		11/12/1991		5/6/1992										
27341	SR570813	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	1/28/1992	11/18/2004	1/28/1992	11/18/2004	7/12/1992										
27342	SR570814	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	1/28/1992		1/28/1992		7/22/1992										
27343	SR570815	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/2/1992		4/2/1992		9/25/1992										
27344	SR570819	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/28/1995		5/28/1995		11/20/1995										
27345	SR570949	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/10/1989		8/10/1989		2/2/1990										
27346	SR585103	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	8/7/1992		8/7/1992		1/30/1993										
27347	SR585104	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	9/21/1992		9/21/1992		3/16/1993										
27348	SR585105	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400	Remediate	1	11/6/1992	11/18/2004	11/6/1992	11/18/2004	5/1/1993										
27349	SR585106	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	11/6/1992		11/6/1992		5/1/1993										
27350	SR585108	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	4/21/1993		4/21/1993		10/14/1993										
27351	SR585110	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/21/1993		5/21/1993		11/13/1993										
27352	SR585111	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/21/1993		5/21/1993		11/13/1993										
27353	SR585112	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	S5400		0	5/21/1993		5/21/1993		11/13/1993										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27354	SR585113	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/14/1993		6/14/1993		12/7/1993										
27355	SR585114	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/27/1993		7/27/1993		1/19/1994										
27356	SR585131	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	2/23/1994		2/23/1994		8/18/1994										
27357	SR585133B	SSG	APPROVED_CERT		1/29/2013 12:08	mccabed	SR-W027-773A-HET	S5400			3/24/1994	12/7/2012	12/7/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27358	SR585133E	SSG	APPROVED_CERT		1/29/2013 12:10	mccabed	SR-W027-773A-HET	S5400			3/24/1994	12/7/2012	12/7/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27359	SR585133G	SSG	APPROVED_CERT		1/29/2013 12:11	mccabed	SR-W027-773A-HET	S5400			3/24/1994	12/7/2012	12/7/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27360	SR607461	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	2/15/1996		2/15/1996		8/9/1996										
27361	SR608502	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	9/15/1994		9/15/1994		3/10/1995										
27362	SR608503	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/22/1994		6/22/1994		12/15/1994										
27363	SR608526	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/24/1994		10/24/1994		4/18/1995										
27364	SR608528	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/24/1994		10/24/1994		4/18/1995										
27365	SR608536	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/4/1995		5/4/1995		10/27/1995										
27366	SR608540	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/18/1995		1/18/1995		7/13/1995										
27367	SR608541	SSG	EMPLACED_CNTR	5/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/15/1995		3/15/1995		9/7/1995										
27368	SR608543	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/3/1995		4/3/1995		9/26/1995										
27369	SR608546	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/4/1995		4/4/1995		9/27/1995										
27370	SR608547	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/4/1995		4/4/1995		9/27/1995										
27371	SR608548	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/9/1996		5/9/1996		11/1/1996										
27372	SR608549	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	11/9/1995		11/9/1995		5/3/1996										
27373	SR608550	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	11/9/1995		11/9/1995		5/3/1996										
27374	SR608873A	SWB	EMPLACED_CNTR	4/17/2013 15:24	12/12/2012 13:29	mccabed	SR-W027-773A-HET	S5400			11/10/1995	12/4/2012	12/4/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27375	SR608873E	SSG	APPROVED_CERT		1/29/2013 12:12	mccabed	SR-W027-773A-HET	S5400			11/10/1995	12/4/2012	12/4/2012			Added per JHarrison 012813.		FALSE	FALSE	FALSE	NA				
27376	SR608873F	SSG	APPROVED_SHIP		12/12/2012 13:30	mccabed	SR-W027-773A-HET	S5400			11/10/1995	12/4/2012	12/4/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27377	SR608873G	SSG	APPROVED_SHIP		12/12/2012 13:31	mccabed	SR-W027-773A-HET	S5400			11/10/1995	12/4/2012	12/4/2012			Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27378	SR608878	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	2/15/1996	7/17/2006	2/15/1996	7/17/2006	8/9/1996										
27379	SR608884B	SSG	APPROVED_CERT		1/29/2013 12:14	mccabed	SR-W027-773A-HET	S5400			11/19/1995	12/11/2012	12/11/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27380	SR608884E	SSG	APPROVED_CERT		1/29/2013 12:15	mccabed	SR-W027-773A-HET	S5400			11/19/1995	12/11/2012	12/11/2012			Added per JHarrison 012813.		TRUE	TRUE	TRUE	NA				
27381	SR608890	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/15/1994		6/15/1994		12/8/1994										
27382	SR608891	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/7/1994		7/7/1994		12/30/1994										
27383	SR608892	SSG	EMPLACED_CNTR	4/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/28/1995		6/28/1995		12/21/1995										
27384	SR608893	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	11/9/1995		11/9/1995		5/3/1996										
27385	SR608894	SSG	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/7/1996	6/23/2008	3/7/1996	6/23/2008	8/30/1996										
27386	SR608895	SSG	EMPLACED_CNTR	7/1/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	3/7/1996	3/6/2008	3/7/1996	3/6/2008	8/30/1996										
27387	SR608896	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/19/1996		3/19/1996		9/11/1996										
27388	SR610851	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/3/1996		4/3/1996		9/26/1996										
27389	SR610855	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/4/1996		6/4/1996		11/27/1996										
27390	SR610857	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/4/1996		6/4/1996		11/27/1996										
27391	SR610859	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/4/1996		6/4/1996		11/27/1996										
27392	SR610860	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/13/1996		6/13/1996		12/6/1996										
27393	SR610862	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/3/1996		7/3/1996		12/26/1996										
27394	SR610863B	SSG	APPROVED_CERT		3/11/2013 13:04	mccabed	SR-W027-773A-HET	S5400			3/27/1996	11/13/2012		11/13/2012		Added per JHarrison 031113.		TRUE	TRUE	TRUE	NA				
27395	SR610863C	SSG			3/11/2013 13:06	mccabed	SR-W027-773A-HET	S5400			3/27/1996	11/13/2012		11/13/2012		Added per JHarrison 031113.		TRUE	TRUE	TRUE	NA				
27396	SR610863E	SSG	APPROVED_CERT		3/11/2013 13:09	mccabed	SR-W027-773A-HET	S5400			3/27/1996	11/13/2012		11/13/2012		Added per JHarrison 031113.		TRUE	TRUE	TRUE	NA				
27397	SR610863H	SSG	APPROVED_CERT		12/5/2012 10:58	mccabed	SR-W027-773A-HET	S5400			3/27/1996	11/14/2012	11/14/2012			Added per JHarrison 120512.		TRUE	TRUE	TRUE	NA				
27398	SR611101	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/30/1996		4/30/1996		10/23/1996										
27399	SR611102	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/30/1996		4/30/1996		10/23/1996										
27400	SR611103	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/30/1996		4/30/1996		10/23/1996										
27401	SR611104	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	4/30/1996		4/30/1996		10/23/1996										
27402	SR611105	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	1/9/1997		1/9/1997		7/4/1997										
27403	SR611114A	SWB	EMPLACED_CNTR	12/19/2012 14:21	8/30/2012 9:16	mccabed	SR-W027-773A-HET	S5400			8/22/2012		8/22/2012				- Rpkgd was SR611114	TRUE	FALSE	TRUE			SR611114		Daughter
27404	SR611115A	SWB	EMPLACED_CNTR	12/2/2012 13:42	8/30/2012 9:06	mccabed	SR-W027-773A-HET	S5400			8/25/2012		8/25/2012				- Rpkgd was SR611115	TRUE	FALSE	TRUE			SR611115		Repack
27405	SR611116A	SWB	EMPLACED_CNTR	1/6/2013 9:35	8/27/2012 18:01	mccabed	SR-W027-773A-HET	S5400			8/21/2012		8/21/2012				- Rpkgd was SR611116	TRUE	FALSE	TRUE			SR611116		Repack
27406	SR611124	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/30/1997		5/30/1997		11/22/1997										
27407	SR611125	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	9/5/1996		9/5/1996		2/28/1997										
27408	SR611126	SSG	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/22/1998		6/22/1998		12/15/1998										
27409	SR611127	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/11/1998		6/11/1998		12/4/1998										
27410	SR611128	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/22/1998		6/22/1998		12/15/1998										
27411	SR611131	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/22/1998		6/22/1998		12/15/1998										
27412	SR611133	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/26/1999		5/26/1999		11/18/1999										
27413	SR611134	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	5/26/1999	7/30/2007	5/26/1999	7/30/2007	11/18/1999										
27414	SR611135	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/26/1999		5/26/1999		11/18/1999										
27415	SR611136	SSG	EMPLACED_CNTR	9/1/2010 21:24	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/26/1999		5/26/1999		11/18/1999										
27416	SR611137	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	9/23/1999		9/23/1999		3/17/2000										
27417	SR611143	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	5/26/1999		5/26/1999		11/18/1999										
27418	SR611213	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	12/5/1996	5/13/2008	12/5/1996	5/13/2008	5/30/1997										
27419	SR611217	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/10/1996		7/10/1996		1/2/1997										
27420	SR611219	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/15/1996		7/14/1997		1/6/1998										
27421	SR611220	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/14/1997		7/14/1997		1/6/1998										
27422	SR611221	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/22/1997		7/22/1997		1/14/1998										
27423	SR611224	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	6/2/1997		6/2/1997		11/25/1997										
27424	SR611226	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	V&P Purge	0	7/14/1997	7/14/1997	7/14/1997	9/17/2005	1/6/1998										
27425	SR611229	SSG	EMPLACED_CNTR	5/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	7/22/1997		7/22/1997		1/14/1998										
27426	SR611232	SSG	EMPLACED_CNTR	9/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	3/1/1994		3/1/1994		8/24/1994										
27427	SR611234	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/26/1997		8/26/1997		2/18/1998										
27428	SR611235	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/13/1997		8/13/1997		2/5/1998										
27429	SR611236	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/12/1997		8/12/1997		2/4/1998										
27430	SR611237	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	8/26/1997	11/5/2004	8/26/1997	11/5/2004	2/18/1998										
27431	SR611239	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/26/1997		8/26/1997		2/18/1998										
27432	SR611240	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	8/12/1997		8/12/1997		2/4/1998										
27433	SR611241	SSG	APPROVED_SHIP		6/8/2011 20:43	mccabed	SR-W027-773A-HET	S5400	Remediate	1	8/26/1997	7/10/2008	8/26/1997	7/10/2008		Added back as CH per MPapp email 060711		TRUE	TRUE	TRUE					
27434	SR611502	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27435	SR611506	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27436	SR611508	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27437	SR611510	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/16/1997	1/31/2007	10/16/1997	1/31/2007	4/10/1998										
27438	SR611511	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27439	SR611513	SSG	EMPLACED_CNTR	5/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400	Remediate	1	10/16/1997	5/19/2008	10/16/1997	5/19/2008	4/10/1998										
27440	SR611515	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27441	SR611516	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-773A-HET	S5400		0	10/28/1997		10/28/1997		4/22/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27442	SR611519	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27443	SR611520	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	10/16/1997		10/16/1997		4/10/1998										
27444	SR611522	SSG	EMPLACED_CNTR	2/18/2012 9:42	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	1/8/1998		1/8/1998		7/3/1998			TRUE	TRUE	TRUE					
27445	SR611524	SSG	EMPLACED_CNTR	8/13/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	1/8/1998		1/8/1998		7/3/1998										
27446	SR611530	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	6/22/1998		6/22/1998		12/15/1998										
27447	SR611534	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/8/1998		7/8/1998		12/31/1998										
27448	SR611538	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/8/1998		7/8/1998		12/31/1998										
27449	SR611540	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/8/1998		7/8/1998		12/31/1998										
27450	SR611542	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/8/1998		7/8/1998		12/31/1998										
27451	SR611543	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/8/1998		7/8/1998		12/31/1998										
27452	SR613001	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	9/23/1999		9/23/1999		3/17/2000										
27453	SR613002	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	9/23/1999		9/23/1999		3/17/2000										
27454	SR613004	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	9/23/1999		9/23/1999		3/17/2000										
27455	SR613005	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	9/23/1999		9/23/1999		3/17/2000										
27456	SR6689756A	SWB			8/20/2013 9:37	mccabed	SR-W027-773A-HET	S5400			8/5/2013		8/5/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27457	SR6689756C	SWB			8/20/2013 9:44	mccabed	SR-W027-773A-HET	S5400			8/5/2013		8/5/2013			Added per JHarrison 081913		TRUE	TRUE	TRUE	NA				
27458	SR6689760	SWB			8/20/2013 9:44	mccabed	SR-W027-773A-HET	S5400			8/5/2013		8/5/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27459	SR6689756E	SWB			8/20/2013 9:44	mccabed	SR-W027-773A-HET	S5400			8/5/2013		8/5/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27460	SR80731	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	2/6/1975	11/23/2004	4/7/1999	11/23/2004	9/30/1999										
27461	SR80735	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/12/1974	11/13/2006		11/13/2006											
27462	SR80736	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/13/1974	11/14/2006	1/24/2000	11/14/2006	7/14/2000										
27463	SR80737	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/13/1974	11/18/2004		11/18/2004											
27464	SR80741	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/1/1975	7/4/2005	4/5/1999	7/4/2005	9/28/1999										
27465	SR80744	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/25/1974	11/1/2004	3/27/2000	11/1/2004	7/21/2000										
27466	SR80746	SSG	EMPLACED_CNTR	5/13/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/2/1975	12/16/2006	4/6/1999	12/16/2006	9/29/1999										
27467	SR80747	SSG	EMPLACED_CNTR	2/21/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/2/1975	8/23/2006	4/7/1999	8/23/2006	9/30/1999										
27468	SR80749	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/2/1974	11/8/2004	1/19/2000	11/8/2004	7/13/2000										
27469	SR80751	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/28/1975	12/6/2006	4/21/1999	12/6/2006	10/14/1999										
27470	SR80752	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/25/1974	3/20/2006	2/1/1996	3/20/2006	7/26/1996										
27471	SR80753	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/20/1974	11/2/2004	2/9/1996	11/2/2004	8/3/1996										
27472	SR80754	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/5/1974	11/22/2004	2/1/1996	11/22/2004	7/26/1996										
27473	SR80757	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/2/1975	9/23/2004	5/11/1999	9/23/2004	11/3/1999										
27474	SR80758	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/17/1975	10/6/2004	5/17/1999	10/6/2004	11/9/1999										
27475	SR80759	SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/3/1974	12/5/2004	1/19/2000	12/5/2004	7/13/2000										
27476	SR80760	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	1/2/1975	9/25/2004	4/21/1999	9/25/2004	10/14/1999										
27477	SR80764	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	6/12/1975	10/19/2006	1/13/1999	10/19/2006	4/25/2000										
27478	SR80765	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/6/1974	11/15/2006	2/13/1996	11/15/2006	8/7/1996										
27479	SR80771	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/5/1974	9/28/2004	4/6/1999	9/28/2004	9/29/1999										
27480	SR80775	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/6/1974	3/27/2006	2/7/1996	3/27/2006	8/1/1996										
27481	SR80777	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/3/1974	11/8/2004	2/15/1996	11/8/2004	8/5/1996										
27482	SR80778	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/3/1974	9/15/2004	5/24/1999	9/15/2004	11/18/1999										
27483	SR80779	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	2/6/1975	10/2/2004	4/6/1999	10/2/2004	9/29/1999										
27484	SR80784	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	2/21/1975	3/21/2006	11/9/1995	3/21/2006	5/3/1996										
27485	SR80787	SSG	EMPLACED_CNTR	2/7/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	V&P Vent	0	7/10/1975	7/10/1975		7/23/2005	6/26/1900										
27486	SR80789	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/11/1974	12/12/2006	4/14/2000	12/12/2006	9/10/2000										
27487	SR80903	SLB2	EMPLACED_CNTR	4/1/2013 15:15	10/26/2012 12:54	mccabed	SR-W027-773A-HET	S5400			9/18/2012		9/18/2012	9/18/2012		JHarrison requested procedure to change SR80903 from FRP to SLB2 051412, 221-F-55078		TRUE	FALSE	TRUE					
27488	SR81564	SSG	EMPLACED_CNTR	5/15/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	4/29/1976		3/9/1999		9/1/1999										
27489	SR81568	SSG	EMPLACED_CNTR	8/27/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	6/10/1976		3/9/1999		9/1/1999										
27490	SR86890	SSG	EMPLACED_CNTR	6/4/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/2/1975	10/1/2004	3/22/1999	10/1/2004	9/14/1999										
27491	SR86894	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/7/1975	10/4/2004	3/15/1999	10/4/2004	9/7/1999										
27492	SR86896	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/16/1975	9/29/2006	3/11/1999	9/29/2006	9/3/1999										
27493	SR87903	SSG			4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/22/1976							TRUE	TRUE	TRUE					
27494	SR89801	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	2/25/1976	12/12/2006	3/1/1999	12/12/2006	8/24/1999										
27495	SR89804	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	3/18/1976	10/18/2006	3/9/1999	10/16/2006	9/1/1999										
27496	SR89805	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	2	3/18/1976	11/4/2004	3/2/1999	11/4/2004	8/25/1999										
27497	SR89807	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	6/10/1976	11/9/2004		11/9/2004											
27498	SR89808	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	9/15/2004	3/23/1999	9/15/2004	9/15/1999										
27499	SR89809	SSG	EMPLACED_CNTR	10/23/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	4/29/1976	4/22/2008	2/24/1999	4/22/2008	8/19/1999										
27500	SR89810	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	6/10/1976	11/17/2006	6/29/1999	11/17/2006	12/22/1999										
27501	SR89813	SSG	EMPLACED_CNTR	5/23/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	7/1/1976	9/26/2004	3/8/1999	9/26/2004	8/31/1999										
27502	SR89814	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	7/1/1976		3/9/1999		9/1/1999										
27503	SR89815	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	7/1/1976	8/7/2006	3/18/1999	8/7/2006	9/10/1999										
27504	SR89817	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	7/22/1976	1/8/2007	2/11/1999	1/8/2007	8/16/1999										
27505	SR89819	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/4/1976	9/26/2004	3/8/1999	9/26/2004	8/31/1999										
27506	SR89820	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/4/1976	5/7/2008		5/7/2008											
27507	SR89821	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	8/4/1976	9/5/2006	3/11/1999	9/5/2006	9/3/1999										
27508	SR89829	SLB2	EMPLACED_CNTR	1/12/2013 14:39	8/27/2012 18:16	mccabed	SR-W027-773A-HET	S5400			4/4/2012		4/4/2012	4/4/2012		Concrete Culvert Container Removal and Loading.		TRUE	FALSE	TRUE					
27509	SR89834	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/4/1976	10/12/2004	3/16/1999	10/12/2004	9/8/1999										
27510	SR89835	SSG	EMPLACED_CNTR	5/27/2008	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	V&P Purge	0	11/4/1976	11/4/1976	3/17/1999	10/19/2005	9/8/1999										
27511	SR90844	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/16/1976	3/1/2006	3/24/1999	3/1/2006	9/16/1999										
27512	SR90845	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/16/1976	3/21/2006	3/29/1999	3/21/2006	9/21/1999										
27513	SR90849	SSG	EMPLACED_CNTR	10/14/2010 21:52	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/13/1976	2/14/2008	6/1/1999	2/14/2008	11/24/1999										
27514	SR90850	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/13/1973	9/26/2004	3/25/1999	9/26/2004	9/21/1999										
27515	SR90857	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	9/2/1976	9/28/2004	3/17/1999	9/28/2004	9/9/1999										
27516	SR90860	SSG	EMPLACED_CNTR	4/28/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/13/1976	6/19/2005		6/19/2005											
27517	SR90961	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/18/1976	12/5/2006		12/5/2006											
27518	SR90962	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	10/13/1976	10/31/2004		10/31/2004											
27519	SR90963	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	11/18/1976	8/31/2004	5/27/1999	8/31/2004	11/19/1999										
27520	SR90965	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400		0	11/18/1976		5/27/1999		11/19/1999										
27521	SR90966	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/16/1976	1/17/2007	3/16/1999	1/17/2007	9/8/1999										
27522	SR90967	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/16/1976	9/28/2004	6/10/1999	9/28/2004	12/3/1999										
27523	SR90968	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	12/16/1976	11/2/2004		11/2/2004											
27524	SR90969	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	3/24/1977	9/26/2004	5/27/1999	9/26/2004	11/19/1999										
27525	SR90974	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	3/3/1977	10/17/2004	6/7/1999	10/17/2004	11/30/1999										
27526	SR90975	SSG	EMPLACED_CNTR	5/17/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	V&P Vent	0	3/3/1977	3/3/1977		8/13/2004											
27527	SR90976	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	3/3/1977	10/1/2004	6/7/1999	10/1/2004	11/30/1999										
27528	SR90977	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS Updt	SR-W027-773A-HET	S5400	Remediate	1	3/3/1977	6/19/2005		6/19/2005											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27529	SR90978	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/3/1977	11/15/2006		11/15/2006											
27530	SR90978A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1		11/15/2006		11/15/2006											
27531	SR91005	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/24/1977	9/26/2004	6/3/1999	9/24/2004	11/26/1999										
27532	SR91005A	SWB	EMPLACED_CNTR	5/2/2013 14:52	12/12/2012 12:50	mccabed	SR-W027-773A-HET	SS400			11/12/2012		11/12/2012			Added per Harrison 12/12/12		TRUE	TRUE	TRUE	NA				
27533	SR91005B	SWB	EMPLACED_CNTR	7/21/2013 10:30	12/12/2012 12:51	mccabed	SR-W027-773A-HET	SS400			11/12/2012		11/12/2012			Added per Harrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27534	SR91005C	SWB	APPROVED CERT		12/12/2012 12:52	mccabed	SR-W027-773A-HET	SS400			11/12/2012		11/12/2012			Added per Harrison 12/12/12.		TRUE	TRUE	TRUE	NA				
27535	SR95542	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/5/1977	4/20/2006	6/14/1999	4/20/2006	12/7/1999										
27536	SR95544	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/2/1977	9/29/2004	6/24/1999	9/29/2004	12/17/1999										
27537	SR95549	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/21/1977	9/26/2004	6/24/1999	9/26/2004	12/17/1999										
27538	SR97908	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/21/1977	9/14/2004	6/15/1999	9/14/2004	12/8/1999										
27539	SR97909	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	V&P Purge	0	6/21/1977	6/21/1977		2/10/2007											
27540	SR97910	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400		0	7/21/1977		6/17/1999		12/10/1999										
27541	SR97911	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400		0	7/11/1977		6/17/1999		12/10/1999										
27542	SR97912	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400		0	7/11/1977		6/17/1999		12/10/1999										
27543	SR97915	SSG	EMPLACED_CNTR	6/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/11/1977	1/3/2007	6/17/1999	1/3/2007	12/10/1999										
27544	SR97921	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/30/1977	10/7/2004	11/3/1999	10/7/2004	4/27/2000										
27545	SR97925	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	9/8/1977	1/22/2007		1/22/2007											
27546	SR97926	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/6/1977	10/18/2006	10/26/1999	10/18/2006	4/19/2000										
27547	SR97927	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/6/1977	10/6/2006	10/26/1999	10/6/2006	4/19/2000										
27548	SR97928	SSG	EMPLACED_CNTR	7/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/6/1977	3/12/2007	10/26/1999	3/12/2007	4/19/2000										
27549	SR97930	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/20/1977	10/9/2004	10/28/1999	10/9/2004	4/11/2000										
27550	SR97931	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/20/1977	9/8/2004	10/27/1999	9/8/2004	4/20/2000										
27551	SR97932	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	10/20/1977	4/7/2006		4/7/2006											
27552	SR97933	SSG	APPROVED CERT		4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediation	0	11/3/1977	12/1/2009		12/1/2009				TRUE	TRUE	TRUE					
27553	SR97936	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	11/3/1977	9/24/2004	3/24/1999	9/24/2004	9/16/1999										
27554	SR97937	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	11/3/1977	10/13/2004	10/27/1999	10/13/2004	4/20/2000										
27555	SR97938	SSG	EMPLACED_CNTR	5/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400		0	11/3/1977		3/31/1999		9/13/1999										
27556	SR97942	SSG	EMPLACED_CNTR	9/7/2010 18:43	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	V&P Vent	0	12/6/1977	12/6/1977		1/1/2007											
27557	SR97943	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/6/1977	11/4/2004	3/25/1999	11/4/2004	9/17/1999										
27558	SR97944	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/6/1977	11/6/2004	3/29/1999	11/6/2004	9/21/1999										
27559	SR97945	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/6/1977	9/29/2004	3/25/1999	9/29/2004	9/17/1999										
27560	SR97946	SSG	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/6/1977	11/6/2004	4/8/1999	11/6/2004	10/1/1999										
27561	SR97956	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/22/1977	10/9/2004	4/13/1999	10/9/2004	10/6/1999										
27562	SR97957	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	12/22/1977	10/3/2004	5/10/1999	10/3/2004	11/2/1999										
27563	SR97959	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	11/16/2004	4/7/1999	11/16/2004	9/30/1999										
27564	SR97960	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	10/7/2004	4/7/1999	10/7/2004	9/30/1999										
27565	SR97961	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	9/15/2004	8/9/1999	9/15/2004	12/7/1999										
27566	SR97962	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	9/8/2004	4/7/1999	9/8/2004	9/30/1999										
27567	SR97963	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	1/12/1978	9/29/2004	4/7/1999	9/29/2004	9/30/1999										
27568	SR97964	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	9/24/2004	4/21/1999	9/24/2004	10/14/1999										
27569	SR97965	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	1/31/2007	8/8/1999	1/31/2007	12/1/1999										
27570	SR97966	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/2/1978	7/25/2006	4/19/1999	7/25/2006	10/12/1999										
27571	SR97967	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/9/1978	11/5/2004	4/19/1999	11/5/2004	10/12/1999										
27572	SR97968	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/9/1978	12/1/2006	4/19/1999	12/1/2006	10/12/1999										
27573	SR97972	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/21/1978	3/20/2006	4/6/1999	3/20/2006	9/29/1999										
27574	SR97973	SSG	EMPLACED_CNTR	6/4/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	2/21/1978	10/16/2004	4/19/1999	10/16/2004	10/12/1999										
27575	SR97975	SSG	EMPLACED_CNTR	3/11/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/7/1978	9/11/2004	4/12/1999	9/11/2004	10/5/1999										
27576	SR97976	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/7/1978	12/7/2006	4/12/1999	12/7/2006	10/5/1999										
27577	SR97977	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/7/1978	8/30/2004	4/12/1999	8/30/2004	10/5/1999										
27578	SR97978	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/7/1978	2/25/2008	4/12/1999	2/25/2008	10/5/1999										
27579	SR97980	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	11/4/2004	4/15/1999	11/4/2004	10/8/1999										
27580	SR97981	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	9/6/2004	4/14/1999	9/6/2004	10/7/1999										
27581	SR97983	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	3/23/1978	11/9/2006	4/15/1999	11/9/2006	10/8/1999										
27582	SR97987	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/4/1978	10/10/2006	4/14/1999	10/10/2006	10/7/1999										
27583	SR97988	SSG	EMPLACED_CNTR	10/24/2010 10:59	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/4/1978	11/11/2004	4/14/1999	11/11/2004	10/7/1999										
27584	SR97990	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	9/9/2004	4/15/1999	9/9/2004	10/8/1999										
27585	SR97991	SSG	EMPLACED_CNTR	10/7/2010 19:40	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	9/15/2004	4/12/1999	9/15/2004	10/5/1999										
27586	SR97992	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/18/1978	9/25/2004	4/13/1999	9/25/2004	10/6/1999										
27587	SR97993	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/27/1978	10/5/2004	5/13/1999	10/5/2004	11/5/1999										
27588	SR97994	SSG	EMPLACED_CNTR	4/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/27/1978	9/13/2004	5/13/1999	9/13/2004	11/5/1999										
27589	SR97995	SSG	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	4/27/1978	10/17/2006	5/13/1999	10/17/2006	11/5/1999										
27590	SR97996	SSG	EMPLACED_CNTR	2/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/11/1978	10/4/2004	11/2/1999	10/4/2004	4/26/2000										
27591	SR97997	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/11/1978	10/17/2004	5/19/1999	10/17/2004	11/11/1999										
27592	SR97998	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/11/1978	12/8/2006	5/19/1999	12/8/2006	11/11/1999										
27593	SR98001	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	11/3/2004	4/22/1999	11/3/2004	10/15/1999										
27594	SR98003	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	9/2/2004	5/20/1999	9/2/2004	11/12/1999										
27595	SR98004	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	11/3/2004	4/22/1999	11/3/2004	10/15/1999										
27596	SR98005	SSG	EMPLACED_CNTR	8/20/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	5/23/1978	11/3/2004	4/22/1999	11/3/2004	10/15/1999										
27597	SR98006	SSG	EMPLACED_CNTR	9/2/2010 18:16	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/1/1978	11/3/2004	5/24/1999	11/3/2004	11/16/1999										
27598	SR98007	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/1/1978	5/22/2008		5/22/2008	6/26/1900										
27599	SR98012	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/15/1978	9/29/2004	7/1/1999	9/29/2004	12/24/1999										
27600	SR98014	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/15/1978	1/30/2007	4/29/1999	1/30/2007	10/22/1999										
27601	SR98015	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/15/1978	11/3/2004	4/29/1999	11/3/2004	10/22/1999										
27602	SR98018	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/29/1978	10/16/2004	4/27/1999	10/16/2004	10/20/1999										
27603	SR98019	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/29/1978	9/11/2004	4/27/1999	9/11/2004	10/20/1999										
27604	SR98020	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	6/29/1978	9/29/2004	11/8/1999	9/29/2004	5/2/2000										
27605	SR98022	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/18/1978	8/29/2004	5/6/1999	8/29/2004	10/29/1999										
27606	SR98023	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/18/1978	8/30/2004	7/12/1999	8/30/2004	1/4/2000										
27607	SR98024	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/18/1978	9/11/2004	5/6/1999	9/11/2004	10/29/1999										
27608	SR98025	SSG	EMPLACED_CNTR	6/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/18/1978	9/30/2004	5/6/1999	9/30/2004	10/29/1999										
27609	SR98026	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/25/1978	11/10/2004	11/8/1999	11/10/2004	5/2/2000										
27610	SR98027	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/25/1978	10/9/2004	6/30/1999	10/9/2004	12/23/1999										
27611	SR98028	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	7/25/1978	10/18/2006	6/30/1999	10/18/2006	12/23/1999										
27612	SR98030	SSG	EMPLACED_CNTR	1/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/1/1978	9/30/2004	7/1/1999	9/30/2004	12/24/1999										
27613	SR98032	SSG	EMPLACED_CNTR	6/25/2005	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/8/1978	11/4/2004	4/22/1999	11/4/2004	10/15/1999										
27614	SR98033	SSG	EMPLACED_CNTR	4/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/8/1978	7/4/2005	4/22/1999	7/4/2005	10/15/1999										
27615	SR98034	SSG	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/24/1978	9/17/2004	11/3/1999	9/17/2004	4/27/2000										
27616	SR98035	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-773A-HET	SS400	Remediate	1	8/24/1978	9/8/2004	7/13/1999	9/8/2004	1/5/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27617	SR98036	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	8/24/1978	9/6/2004	7/13/1999	9/6/2004	1/5/2000										
27618	SR98037	SSG	EMPLACED_CNTR	8/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/5/1978	11/4/2004	5/20/1999	11/4/2004	11/12/1999										
27619	SR98038	SSG	EMPLACED_CNTR	6/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/5/1978	11/3/2004	5/20/1999	11/3/2004	11/12/1999										
27620	SR98039	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/19/1978	10/12/2004		10/12/2004											
27621	SR98040	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/19/1978	9/5/2004	5/12/1999	9/5/2004	11/4/1999										
27622	SR98041	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	9/19/1978	10/18/2006	5/12/1999	10/18/2006	11/4/1999										
27623	SR98042	SSG	APPROVED_CERT		4/8/2011 20:44	mccabed	SR-WQ27-773A-HET	S5400	Remediate	1	9/19/1978	11/11/2004	11/9/1999	11/11/2004		Added back as CH per MPapp email 060711		TRUE	TRUE	TRUE					
27624	SR98046	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/5/1978	9/14/2004	5/17/1999	9/14/2004	11/9/1999										
27625	SR98047	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/5/1978	10/31/2006	5/20/1999	10/31/2006	11/12/1999										
27626	SR98048	SSG	EMPLACED_CNTR	5/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/5/1978	10/14/2004	5/3/1999	10/14/2004	10/26/1999										
27627	SR98049	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/5/1978	11/30/2006	5/20/1999	11/30/2006	11/12/1999										
27628	SR98050	SSG	EMPLACED_CNTR	4/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/5/1978	11/16/2006	5/3/1999	11/16/2006	10/26/1999										
27629	SR98051	SSG	EMPLACED_CNTR	4/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/24/1978	9/12/2004	5/4/1999	9/12/2004	10/27/1999										
27630	SR98052	SSG	EMPLACED_CNTR	2/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	10/24/1978	9/12/2004	5/4/1999	9/12/2004	10/27/1999										
27631	SR98054	SSG	EMPLACED_CNTR	12/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/3/1978	9/10/2004	5/10/1999	9/10/2004	11/2/1999										
27632	SR98055	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/2/1978	9/8/2004	5/10/1999	9/8/2004	11/2/1999										
27633	SR98056	SSG	EMPLACED_CNTR	12/14/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/2/1978	9/10/2004	5/10/1999	9/10/2004	11/2/1999										
27634	SR98061	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/16/1978	3/3/2008	5/27/1999	3/3/2008	11/19/1999										
27635	SR98061A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	3/3/2008		3/3/2008		8/28/2008										
27636	SR98062	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/16/1978	9/1/2004	11/3/1999	9/1/2004	4/27/2000										
27637	SR98063	SSG	EMPLACED_CNTR	5/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/16/1978	10/16/2006	5/25/1999	10/16/2006	11/17/1999										
27638	SR98065	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/21/1978	8/3/2006	5/26/1999	8/3/2006	11/16/1999										
27639	SR98066	SSG	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	11/21/1978	11/12/2004	5/6/1999	11/12/2004	10/29/1999										
27640	SR98067	SSG	EMPLACED_CNTR	4/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1978	10/17/2004	6/1/1999	10/17/2004	11/24/1999										
27641	SR98068	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1978	9/30/2004	6/7/1999	9/30/2004	11/30/1999										
27642	SR98069	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	12/12/1978	9/4/2004	6/3/1999	9/4/2004	11/26/1999										
27643	SR98070	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	12/12/2006	8/19/1999	12/12/2006	2/11/2000										
27644	SR98071	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	11/14/2006	8/17/1999	11/14/2006	2/9/2000										
27645	SR98072	SSG	EMPLACED_CNTR	5/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	8/31/2004	8/19/1999	8/31/2004	2/11/2000										
27646	SR98073	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	8/30/2004	8/19/1999	8/30/2004	2/11/2000										
27647	SR98074	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	11/12/2004	8/19/1999	11/12/2004	2/11/2000										
27648	SR98075	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	7/25/2006	8/16/1999	7/25/2006	2/8/2000										
27649	SR98076	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	10/17/2004	8/19/1999	10/17/2004	2/2/2000										
27650	SR98077	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	11/10/2004	8/16/1999	11/10/2004	2/8/2000										
27651	SR98078	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	1/11/1979	8/2/2006	8/19/1999	8/2/2006	2/11/2000										
27652	SR98079	SSG	EMPLACED_CNTR	5/6/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	1/11/1979		8/16/1999		2/8/2000										
27653	SR98080	SSG	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/1/1979	11/4/2004	8/9/1999	11/4/2004	2/1/2000										
27654	SR98081	SSG	EMPLACED_CNTR	5/4/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/1/1979	9/14/2004	8/12/1999	9/14/2004	2/4/2000										
27655	SR98083	SSG	EMPLACED_CNTR	6/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/1/1979	9/28/2004	6/15/1999	9/28/2004	12/8/1999										
27656	SR98084	SSG	EMPLACED_CNTR	5/11/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400		0	2/15/1979		8/9/1999		2/1/2000										
27657	SR98086	SSG	EMPLACED_CNTR	4/13/2011 22:10	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/15/1979	11/10/2004	7/13/1999	11/10/2004	1/4/2000	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
27658	SR98087	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/15/1979	11/22/2004	6/11/1999	11/22/2004	12/14/1999										
27659	SR98088	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	2/15/1979	11/30/2006	6/22/1999	11/30/2006	12/15/1999										
27660	SR98090	SSG	EMPLACED_CNTR	5/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/6/1979	9/11/2004	8/5/1999	9/11/2004	1/28/2000										
27661	SR98091	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/6/1979	8/29/2006	11/4/1999	8/29/2006	4/28/2000										
27662	SR98092	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/6/1979	8/31/2004	7/13/1999	8/31/2004	1/4/2000										
27663	SR98093	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/6/1979	9/30/2004	6/21/1999	9/30/2004	12/14/1999										
27664	SR98095	SSG	EMPLACED_CNTR	11/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	V&P Purge	0	3/27/1979	3/27/1979	6/15/1999	10/8/2005	12/8/1999										
27665	SR98096	SSG	EMPLACED_CNTR	4/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	12/6/2006	7/11/1999	12/6/2006	1/4/2000										
27666	SR98097	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	9/8/2004	6/17/1999	9/8/2004	12/10/1999										
27667	SR98098	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	3/27/1979	2/22/2008	6/21/1999	2/23/2008	12/14/1999										
27668	SR98099	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/17/1979	8/3/2006	6/8/1999	8/3/2006	12/1/1999										
27669	SR98106	SSG	EMPLACED_CNTR	9/1/2010 20:48	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/17/1979	9/29/2004	8/11/1999	9/29/2004	2/3/2000										
27670	SR98107	SSG	EMPLACED_CNTR	10/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/17/1979	5/10/2007	8/11/1999	5/10/2007	2/3/2000										
27671	SR98119	SSG	EMPLACED_CNTR	2/24/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-773A-HET	S5400	Remediate	1	4/30/1979	10/18/2006	7/14/1999	10/18/2006	1/6/2000										
27672	SAS801218	SWB			4/19/2012 17:16	mccabed	SR-WQ27-773A-HET	S5400			3/30/2012		8/30/2012				/ Repacked was SR222371 / Repacked was SR504780 / Repacked was SR516406 / Repacked was SR520056	TRUE	FALSE	TRUE					
27673	TEMP15A	SWB	EMPLACED_CNTR	5/2/2013 14:52	12/5/2012 10:58	mccabed	SR-WQ27-773A-HET	S5400			11/29/2012		11/29/2012			Added per JHarrison 120512		TRUE	TRUE	TRUE	NA				
27674	TEMP15B	SSG	APPROVED_CERT		12/5/2012 11:01	mccabed	SR-WQ27-773A-HET	S5400			11/29/2012		11/29/2012			Added per JHarrison 120512.		TRUE	TRUE	TRUE	NA				
27675	TEMP15C	SSG	APPROVED_CERT		12/5/2012 11:01	mccabed	SR-WQ27-773A-HET	S5400			11/29/2012		11/29/2012			Added per JHarrison 120512.		TRUE	TRUE	TRUE	NA				
27676	TEMP15D	SSG	APPROVED_CERT		12/5/2012 11:02	mccabed	SR-WQ27-773A-HET	S5400			11/29/2012		11/29/2012			Added per JHarrison 120512.		TRUE	TRUE	TRUE	NA				
27677	TEMP16A	SWB			12/12/2012 12:39	mccabed	SR-WQ27-773A-HET	S5400			12/5/2012		12/5/2012			PCB Bulk Product Waste - Non Leachable; Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	Yes	11/14/2012			
27678	TEMP16C	SWB			12/12/2012 12:43	mccabed	SR-WQ27-773A-HET	S5400			12/5/2012		12/5/2012			PCB Bulk Product Waste - Non Leachable; Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	Yes	11/14/2012			
27679	TEMP17A	SLB2			12/12/2012 12:45	mccabed	SR-WQ27-773A-HET	S5400			12/11/2012		12/11/2012			PCB Bulk Product Waste - Non Leachable; Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	Yes	11/29/2012			
27680	TEMP17B	SWB	APPROVED_CERT		12/12/2012 12:46	mccabed	SR-WQ27-773A-HET	S5400			12/11/2012		12/11/2012			PCB Bulk Product Waste - Non Leachable; Added per JHarrison 12/12/12.		TRUE	TRUE	TRUE	Yes	11/29/2012			
27681	TEMP18A	SSG			8/7/2013 14:29	mccabed	SR-WQ27-773A-HET	S5400			7/30/2013		7/30/2013			Added per JHarrison 080713.		TRUE	TRUE	TRUE	NA				
27682	TEMP18D	SSG			8/20/2013 13:39	mccabed	SR-WQ27-773A-HET	S5400			7/30/2013		7/30/2013			Moved from RH to CH per JHarrison email 082013		TRUE	TRUE	TRUE	NA				
27683	TEMP18H	SWB			8/7/2013 14:30	mccabed	SR-WQ27-773A-HET	S5400			7/30/2013		7/30/2013			Added per JHarrison 080713.		TRUE	TRUE	TRUE	NA				
27684	TEMP18I	SWB			8/7/2013 14:31	mccabed	SR-WQ27-773A-HET	S5400			7/30/2013		7/30/2013			Added per JHarrison 080713.		TRUE	TRUE	TRUE	NA				
27685	WMAPSWB171	SWB	EMPLACED_CNTR	3/22/2012 14:59	8/30/2011 12:54	mccabed	SR-WQ27-773A-HET	S5400			4/20/2009		4/20/2009					TRUE	FALSE	TRUE					
27686	WMAPSWB257	SWB	EMPLACED_CNTR	6/5/2012 6:02	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			5/27/2009		5/27/2009					TRUE	FALSE	TRUE					
27687	WMAPSWB264	SWB	EMPLACED_CNTR	3/22/2012 14:59	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			6/8/2009		6/8/2009					TRUE	FALSE	TRUE					
27688	WMAPSWB266	SWB	EMPLACED_CNTR	1/13/2012 12:53	8/23/2011 19:07	mccabed	SR-WQ27-773A-HET	S5400			6/8/2009		6/8/2009					TRUE	FALSE	TRUE					
27689	WMAPSWB576	SWB			8/29/2013 14:24	mccabed	SR-WQ27-773A-HET	S5400			8/12/1974	8/23/2013	12/18/2012	8/23/2013		Added per JHarrison 052813; NOP 221-H-8827		TRUE	TRUE	TRUE	NA				
27690	WMAPSWB578	SWB			7/8/2013 15:00	mccabed	SR-WQ27-773A-HET	S5400			2/20/2013	7/3/2013	2/20/2013	7/3/2013		NOP 221-H-8827	/ Repacked was SR502550 / Repacked was SR500417C / Repacked was SR503142A / Repacked was WMPSLB051C Rpkgd into WMPSWB578A Rpkgd into WMPSWB578B	FALSE	FALSE	FALSE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27691	WMAPSWB586	SWB			5/7/2013 13:40	mccabed	SR-W027-773A-HET	S5400			2/20/2013	5/1/2013	2/20/2013	5/1/2013		NOP 221-H-8827	/ Repacked was PADTEMP9E / Repacked was SR500418C / Repacked was SR503113B / Repacked was SR528588B - Rpkgd into WMPSWB586A	FALSE	FALSE	FALSE	NA				
27692	WMAPSWB619	SWB			7/16/2013 13:45	mccabed	SR-W027-773A-HET	S5400			6/26/2013	7/10/2013	6/26/2013	7/10/2013		NOP 221-H-8827	/ Repacked was SR500418B / Repacked was SR523564B / Repacked was SR523564F - Rpkgd into WMPSWB619A	TRUE	TRUE	TRUE	NA				
27693	WMPSLB018A	SWB			5/9/2013 19:51	mccabed	SR-W027-773A-HET	S5400			11/22/1977	5/7/2013		5/7/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27694	WMPSLB018C	SSG	APPROVED_CERT		5/9/2013 19:52	mccabed	SR-W027-773A-HET	S5400			11/22/1977	5/7/2013		5/7/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27695	WMPSLB018D	SWB			5/9/2013 19:54	mccabed	SR-W027-773A-HET	S5400			11/22/1977	5/7/2013		5/7/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27696	WMPSLB019A	SWB	APPROVED_CERT		4/15/2013 13:28	mccabed	SR-W027-773A-HET	S5400			8/26/1975	4/10/2013		4/10/2013		Added per JHarrison 041513.		TRUE	TRUE	TRUE	NA				
27697	WMPSLB020A	SWB	APPROVED_CERT		4/11/2013 10:40	mccabed	SR-W027-773A-HET	S5400			4/8/2013		4/8/2013			Original Closure Date: 8/26/1975; added per JHarrison 041113.		TRUE	TRUE	TRUE	NA				
27698	WMPSLB022A	SWB			5/9/2013 19:55	mccabed	SR-W027-773A-HET	S5400			3/7/1978	4/30/2013		4/30/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27699	WMPSLB022B	SWB			5/9/2013 19:56	mccabed	SR-W027-773A-HET	S5400			3/7/1978	4/30/2013		4/30/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27700	WMPSLB022E	SSG	APPROVED_CERT		5/9/2013 19:58	mccabed	SR-W027-773A-HET	S5400			3/7/1978	4/30/2013		4/30/2013		Added per JHarrison 050913		TRUE	TRUE	TRUE	NA				
27701	WMPSLB051A	SSG	APPROVED_CERT		12/4/2012 3:52	mccabed	SR-W027-773A-HET	S5400			3/6/1974	10/17/2012	10/17/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27702	WMPSLB051B	SSG	APPROVED_CERT		12/4/2012 3:53	mccabed	SR-W027-773A-HET	S5400			3/6/1974	10/17/2012	10/17/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27703	WMPSLB052A	SSG	APPROVED_CERT		12/4/2012 3:57	mccabed	SR-W027-773A-HET	S5400			6/18/1974	10/16/2012	10/16/2012			Added per JHarrison 120312		TRUE	TRUE	TRUE	NA				
27704	WMPSLB053A	SWB	EMPLACED_CNTR	4/19/2013 14:54	12/4/2012 3:58	mccabed	SR-W027-773A-HET	S5400			10/22/2012		10/22/2012			Added per JHarrison 120312.		TRUE	TRUE	TRUE	NA				
27705	WMPSLB054A	SWB			8/20/2013 9:45	mccabed	SR-W027-773A-HET	S5400			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27706	WMPSLB054B	SWB			8/20/2013 9:46	mccabed	SR-W027-773A-HET	S5400			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27707	WMPSLB054F	SSG			8/20/2013 9:47	mccabed	SR-W027-773A-HET	S5400			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27708	WMPSLB054G	SSG			8/20/2013 9:48	mccabed	SR-W027-773A-HET	S5400			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27709	WMPSWB578A	SWB			7/8/2013 14:59	mccabed	SR-W027-773A-HET	S5400			7/3/2013		7/3/2013			NOP 221-H-8827 (WMP instead of WMAP prefix due to 10-character limit)	/ Repacked was SR500255D / Repacked was SR500417C / Repacked was SR503142A / Repacked was WMPSLB051C Rpkgd was WMAPSWB578	FALSE	FALSE	FALSE	NA		WMAPSWB578		Daughter
27710	WMPSWB578B	SSG			7/8/2013 15:00	mccabed	SR-W027-773A-HET	S5400			7/3/2013		7/3/2013			NOP 221-H-8827 (WMP instead of WMAP prefix due to 10-character limit)	/ Repacked was SR500255D / Repacked was SR500417C / Repacked was SR503142A / Repacked was WMPSLB051C Rpkgd was WMAPSWB578	FALSE	FALSE	FALSE	NA		WMAPSWB578		Daughter
27711	WMPSWB586A	SWB			5/7/2013 13:40	mccabed	SR-W027-773A-HET	S5400			5/1/2013		5/1/2013				/ Repacked was PADTEMP9E / Repacked was SR500418C / Repacked was SR503113B / Repacked was SR528588B - Rpkgd was WMAPSWB586	FALSE	FALSE	FALSE	NA		WMAPSWB586		Daughter
27712	WMPSWB619A	SWB			7/16/2013 13:45	mccabed	SR-W027-773A-HET	S5400			7/10/2013		7/10/2013			Removed A due to 10-character limit.	/ Repacked was SR500418B / Repacked was SR523564B / Repacked was SR523564F - Rpkgd was WMAPSWB619	TRUE	TRUE	TRUE	NA		WMAPSWB619		Daughter
27713	PAD12TMP1B	SSG			8/22/2013 13:09	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27714	PAD12TMP1C	SSG			8/22/2013 13:09	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27715	PAD12TMP1D	SSG			8/22/2013 13:10	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27716	PAD12TMP1E	SSG			8/22/2013 13:11	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27717	PAD12TMP1F	SSG			8/22/2013 13:11	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27718	PAD12TMP1G	SSG			8/22/2013 13:12	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27719	PAD12TMP1H	SSG			8/22/2013 13:12	mccabed	SR-W027-773A-HOM	S3110			8/12/2013		8/12/2013			E removed due to 10 character limit; Parent PAD12TEMP1 excluded in SRS RH per JHarrison email 081913.		TRUE	TRUE	TRUE	NA				
27720	SR122365	SSG	EMPLACED_CNTR	4/3/2013 15:15	9/20/2012 9:12	mccabed	SR-W027-773A-HOM	S3110	Remediate	1	8/28/1986	7/18/2007	8/28/1986	7/18/2007		NCR-SRS-0372-07, does not meet the definition for S5000 debris waste; WS assigned per JSchoen email 082911; Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE					
27721	SR524351	SSG	EMPLACED_CNTR	4/3/2013 15:15	9/20/2012 9:13	mccabed	SR-W027-773A-HOM	S3110	Remediate	1	11/19/1984	7/7/2008	4/30/1997	7/7/2008		NCR-SRS-0803-08, does not meet the definition for S5000 debris waste; WS assigned per JSchoen email 082911; Container sent to Idaho for Solid Sampling.		TRUE	FALSE	TRUE					
27722	SR611110	SSG	EMPLACED_CNTR	4/3/2013 15:15	9/20/2012 9:14	mccabed	SR-W027-773A-HOM	S3110	Remediate	1	11/18/1996	3/15/2007	11/18/1996	3/15/2007		WS assigned per JSchoen email 082911; Container sent to Idaho for Solid Sampling.		TRUE	TRUE	TRUE					
27723	WMPSLB054C	SSG			8/20/2013 9:46	mccabed	SR-W027-773A-HOM	S3110			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27724	WMPSLB054D	SSG			8/20/2013 9:46	mccabed	SR-W027-773A-HOM	S3110			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27725	WMPSLB054E	SSG			8/20/2013 9:47	mccabed	SR-W027-773A-HOM	S3110			8/13/2013		8/13/2013			Added per JHarrison 081913.		TRUE	TRUE	TRUE	NA				
27726	SR109960	OSB			9/21/2011 14:37	mccabed	SR-W027-FB-Pre86-C	S5300			8/10/1979	9/8/2011	8/10/1979	9/8/2011			- Rpkgd into SR10996001	TRUE	FALSE	TRUE					
27727	SR10996001	SLB2	EMPLACED_CNTR	7/10/2013 14:06	8/27/2012 18:18	mccabed	SR-W027-FB-Pre86-C	S5300			6/13/2012		6/13/2012	8/8/2012		221-F-5507B Tru Waste Container Remediation; Parent generation date: 9/8/2011; Filter reconfiguration date: 8/8/2012; Reduced filter model: NFT-013.	- Rpkgd was SR109960	TRUE	FALSE	TRUE			SR109960		Daughter
27728	SR109968A	SSG	EMPLACED_CNTR	9/20/2012 13:39	5/14/2012 10:16	mccabed	SR-W027-FB-Pre86-C	S5300			3/20/2007		3/20/2007			Added per MDoherty 051412	Parent is SR109968 which is already EMPLACED.	FALSE	FALSE	TRUE	NA				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27729	SR135196B	SSG	EMPLACED_CNTR	9/20/2012 13:39	5/22/2012 12:46	mccabed	SR-WD27-FB-Pre86-C	SS300			5/21/2006	2/29/2012	5/21/2006	2/29/2012		Added per LWatson email 052112.	Parent is SR135196 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
27730	SR138980A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 21:04	mccabed	SR-WD27-FB-Pre86-C	SS300			5/16/2006	3/7/2012	5/16/2006	3/7/2012		Container was previously assigned SWD061335; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27731	SR150239A	SLB2	EMPLACED_CNTR	8/30/2013 10:53	10/4/2012 9:12	mccabed	SR-WD27-FB-Pre86-C	SS300			6/15/2012		6/15/2012	9/24/2012		221-F-55078 Tru Waste Container Remediation; Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013	- Rpkgd was SR150239 - Rpkgd into SR150239G	TRUE	FALSE	TRUE	NA				
27732	SR150239B	SLB2	EMPLACED_CNTR	4/9/2013 14:45	10/15/2012 14:28	mccabed	SR-WD27-FB-Pre86-C	SS300			4/25/2012		4/25/2012	10/4/2012		Ventdate1 updated per JBiedscheid email 101212; Filter reconfiguration date: 10/4/2012; Reduced filter model: NFT-013	Rpkgd was SR150239	TRUE	FALSE	TRUE	NA		SR150239		Daughter
27733	SR150239C	SWB	EMPLACED_CNTR	8/1/2012 14:14	5/1/2012 20:27	mccabed	SR-WD27-FB-Pre86-C	SS300			4/25/2012		4/25/2012				Rpkgd was SR150239	TRUE	FALSE	TRUE	NA		SR150239		Daughter
27734	SR150239D	SWB	APPROVED_CERT		5/1/2012 20:27	mccabed	SR-WD27-FB-Pre86-C	SS300			4/25/2012		4/25/2012				Rpkgd was SR150239	TRUE	FALSE	TRUE	NA		SR150239		Daughter
27735	SR150239E	SWB	EMPLACED_CNTR	8/1/2012 14:14	5/1/2012 20:28	mccabed	SR-WD27-FB-Pre86-C	SS300			4/25/2012		4/25/2012				- Rpkgd was SR150239	TRUE	FALSE	TRUE	NA		SR150239		Daughter
27736	SR150239F	SWB	EMPLACED_CNTR	8/1/2012 14:00	5/1/2012 20:28	mccabed	SR-WD27-FB-Pre86-C	SS300			4/25/2012		4/25/2012				- Rpkgd was SR150239	TRUE	FALSE	TRUE	NA		SR150239		Daughter
27737	SR150239G	SSG	EMPLACED_CNTR	9/21/2012 13:59	6/28/2012 12:07	mccabed	SR-WD27-FB-Pre86-C	SS300			6/14/2012	6/20/2012	6/14/2012	6/20/2012		221-F-55006 Tru Drum Repackaging.	- Rpkgd was SR150239 - Rpkgd was SR150239A	TRUE	FALSE	TRUE	NA		SR150239A	SR150239	Daughter
27738	SR15025901	SLB2	APPROVED_CERT		8/17/2011 13:32	mccabed	SR-WD27-FB-Pre86-C	SS300			6/21/2011		6/21/2011	8/11/2011		Filter Reduction Date: 8/11/2011; Reduced Filter Model: NFT-013	- Rpkgd was SR150259	TRUE	FALSE	TRUE	NA		SR150259		Daughter
27739	SR15025902	SLB2	EMPLACED_CNTR	1/12/2013 14:59	6/13/2012 22:27	mccabed	SR-WD27-FB-Pre86-C	SS300	Remediation		3/15/2012		3/15/2012	5/18/2012		Filter reconfiguration date: 5/18/12; Reduced filter model NFT-013; Parent generation date: 6/21/2011.	- Rpkgd was SR150259 - Rpkgd into SR15025905	TRUE	FALSE	TRUE	NA				
27740	SR15025904	SWB	EMPLACED_CNTR	4/11/2012 14:34	7/9/2011 9:35	mccabed	SR-WD27-FB-Pre86-C	SS300			6/21/2011		6/21/2011				- Rpkgd was SR150259	TRUE	FALSE	TRUE	NA		SR150259		Daughter
27741	SR15025905	SSG	EMPLACED_CNTR	8/8/2012 14:42	4/3/2012 17:09	mccabed	SR-WD27-FB-Pre86-C	SS300	None		3/15/2012	3/26/2012	3/15/2012	3/26/2012			- Rpkgd was SR150259 - Rpkgd was SR15025902	TRUE	FALSE	TRUE	NA		SR15025902	SR150259	Daughter
27742	SR152429A	SSG	EMPLACED_CNTR	8/9/2012 13:47	5/31/2012 13:08	mccabed	SR-WD27-FB-Pre86-C	SS300			9/5/2006	5/24/2012	9/5/2006	5/24/2012		Added per LWatson email 052112; Drum contains prohibited item; 221-F-55006 Tru Drum Repackaging.	Parent is SR152429 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
27743	SR152897A	SSG	EMPLACED_CNTR	8/9/2012 13:35	5/22/2012 13:00	mccabed	SR-WD27-FB-Pre86-C	SS300			6/14/2004	4/11/2012	6/14/2004	4/11/2012		Added per LWatson email 052112.	Parent is SR152897 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
27744	SR153148A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 21:05	mccabed	SR-WD27-FB-Pre86-C	SS300			6/15/2006	3/7/2012	6/15/2006	3/7/2012		Container was previously assigned SWD061398; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27745	SR153160A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/23/2012 14:45	mccabed	SR-WD27-FB-Pre86-C	SS300			11/12/2006	3/1/2012	11/12/2006	3/1/2012		Container was previously assigned SWD061798; 221-F-55006 Tru Drum Repacking.	- Rpkgd into SR153160B	TRUE	FALSE	TRUE					
27746	SR153160B	SSG	EMPLACED_CNTR	10/14/2012 10:30	3/22/2012 14:45	mccabed	SR-WD27-FB-Pre86-C	SS300			3/1/2012		3/1/2012				- Rpkgd was SR153160A	TRUE	FALSE	TRUE			SR153160A		Daughter
27747	SR159955A	SSG	EMPLACED_CNTR	6/9/2012 10:09	3/15/2012 21:07	mccabed	SR-WD27-FB-Pre86-C	SS300			6/7/2006	3/8/2012	6/7/2006	3/8/2012		Container was previously assigned SWD061387; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27748	SR171944A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 21:07	mccabed	SR-WD27-FB-Pre86-C	SS300			6/19/2006	3/8/2012	6/19/2006	3/8/2012		Container was previously assigned SWD061418; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27749	SR171947B	SSG	EMPLACED_CNTR	8/8/2012 14:42	5/22/2012 13:42	mccabed	SR-WD27-FB-Pre86-C	SS300			3/11/2008	3/1/2012	3/11/2006	3/1/2012		Added per LWatson email 052112.	Parent is SR171947 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
27750	SR172039A	SSG	EMPLACED_CNTR	8/8/2012 14:42	4/3/2012 17:01	mccabed	SR-WD27-FB-Pre86-C	SS300	Remediation		5/17/2008	3/22/2012	5/17/2006	3/22/2012		Container was previously assigned SWD061344.		TRUE	FALSE	TRUE					
27751	SR501788A	SSG	EMPLACED_CNTR	8/8/2012 14:42	3/15/2012 20:48	mccabed	SR-WD27-FB-Pre86-C	SS300			3/4/2006	3/13/2012	3/4/2006	3/13/2012		Container was previously assigned SWD061081; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27752	SR501796A	SSG	EMPLACED_CNTR	8/8/2012 14:42	3/15/2012 20:48	mccabed	SR-WD27-FB-Pre86-C	SS300			11/13/2006	3/9/2012	11/13/2006	3/9/2012		Container was previously assigned SWD061796; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27753	SR503010A	SSG	EMPLACED_CNTR	8/9/2012 13:47	3/19/2012 16:04	mccabed	SR-WD27-FB-Pre86-C	SS300	Remediation		4/18/2008	3/13/2012	4/18/2008	3/13/2012		Container was previously assigned SWD061330		TRUE	FALSE	TRUE					
27754	SR503460	SSG	PRESUB_CERT		3/11/2013 12:56	mccabed	SR-WD27-FB-Pre86-C	SS300			3/17/1977	9/5/2012	1/16/2008	9/5/2012		Added per MDoherty email 031912; 221-F-55006, >50% 53000 waste per LWatson email 113012; Un-exclude per LWatson 031113.	- Rpkgd into SR503460A	TRUE	FALSE	TRUE	NA				
27755	SR503460A	SSG	APPROVED_CERT		9/10/2012 13:54	mccabed	SR-WD27-FB-Pre86-C	SS300			9/5/2012		9/5/2012	9/5/2012			- Rpkgd was SR503460	TRUE	FALSE	TRUE	NA		SR503460		Daughter
27756	SR503656B	SSG	EMPLACED_CNTR	8/9/2012 13:47	5/22/2012 13:36	mccabed	SR-WD27-FB-Pre86-C	SS300			5/18/2010	4/26/2012	5/18/2010	4/26/2012		Added per LWatson email 052112.	Parent is SR503656 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
27757	SR503688B01	SLB2	RECEIVED_SHIP		9/12/2012 16:10	mccabed	SR-WD27-FB-Pre86-C	SS300			7/28/2012		7/28/2012	7/28/2012		Added per LWatson email 052412; 2214-55078 TRU Waste Container Remediation; Parent generation date: 10/27/2011.	- Rpkgd was SR503688 - Rpkgd into SR503688G2	TRUE	FALSE	TRUE	NA				
27758	SR503688G2	SSG			8/3/2012 13:34	mccabed	SR-WD27-FB-Pre86-C	SS300			7/28/2012		7/28/2012				- Rpkgd was SR503688 - Rpkgd was SR503688B01	TRUE	FALSE	TRUE	NA		SR503688B01	SR503688	Repack
27759	SR506616	SSG	EMPLACED_CNTR	11/16/2012 10:11	8/22/2012 8:07	mccabed	SR-WD27-FB-Pre86-C	SS300			9/27/1972	2/8/2008		2/8/2008		Updated closuredate1 and ventdate1 per SW15 3-SOP MRSOP5-01		TRUE	FALSE	TRUE	NA				
27760	SR506644D	SSG	APPROVED_CERT		9/13/2012 12:43	mccabed	SR-WD27-FB-Pre86-C	SS300			11/22/1977		7/25/2008			Added per LWatson 091312.		TRUE	FALSE	TRUE	NA				
27761	SR514385	SSG	EMPLACED_CNTR	9/26/2011 23:42	5/31/2011 15:37	mccabed	SR-WD27-FB-Pre86-C	SS300			11/12/1981			1/12/2008		V&P - high H2 and VOCs		TRUE	TRUE	TRUE	NA				
27762	SR514386	SSG	EMPLACED_CNTR	9/26/2011 23:42	5/31/2011 15:38	mccabed	SR-WD27-FB-Pre86-C	SS300			11/12/1981			1/13/2008				TRUE	TRUE	TRUE	NA				
27763	SR515921	SSG	EMPLACED_CNTR	10/18/2011 19:52	5/31/2011 15:25	mccabed	SR-WD27-FB-Pre86-C	SS300	V&P Purge	0	1/19/1982			1/20/2008		V&P - high H2 and VOCs		TRUE	TRUE	TRUE					
27764	SR517820Z	SWB	APPROVED_CERT		12/17/2012 16:18	mccabed	SR-WD27-FB-Pre86-C	SS300			10/30/2012	12/12/2012	10/30/2012	12/12/2012		Prohibited item removed NOP 221-H-8827	- Rpkgd was SR517820 - Rpkgd was SR517820Z	TRUE	FALSE	TRUE	NA		SR517820Z	SR517820	Repack
27765	SR517820D7	SWB	APPROVED_CERT		10/31/2012 16:51	mccabed	SR-WD27-FB-Pre86-C	SS300			10/30/2012		10/30/2012				- Rpkgd was SR517820 - Rpkgd was SR517820D1	TRUE	FALSE	TRUE	NA		SR517820D1		Daughter
27766	SR517820D8	SWB	EMPLACED_CNTR	4/19/2013 14:54	10/31/2012 16:52	mccabed	SR-WD27-FB-Pre86-C	SS300			10/30/2012		10/30/2012				- Rpkgd was SR517820 - Rpkgd was SR517820D1	TRUE	FALSE	TRUE	NA		SR517820D1		Daughter
27767	SR517820D9	SWB	APPROVED_CERT		10/31/2012 16:52	mccabed	SR-WD27-FB-Pre86-C	SS300			10/30/2012		10/30/2012				- Rpkgd was SR517820 - Rpkgd was SR517820D1	TRUE	FALSE	TRUE	NA		SR517820D1		Daughter
27768	SR517820J0	SWB	APPROVED_CERT		10/31/2012 16:52	mccabed	SR-WD27-FB-Pre86-C	SS300			10/30/2012		10/30/2012				- Rpkgd was SR517820 - Rpkgd was SR517820J1	TRUE	FALSE	TRUE	NA		SR517820J1		Daughter
27769	SR517820J1	SWB	APPROVED_CERT		10/31/2012 16:53	mccabed	SR-WD27-FB-Pre86-C	SS300			10/31/2012		10/31/2012				- Rpkgd was SR517820 - Rpkgd was SR517820J1	TRUE	FALSE	TRUE	NA		SR517820J1		Daughter
27770	SR517820J2	SWB	EMPLACED_CNTR	5/1/2013 15:16	10/31/2012 16:53	mccabed	SR-WD27-FB-Pre86-C	SS300			10/31/2012		10/31/2012				- Rpkgd was SR517820 - Rpkgd was SR517820J1	TRUE	FALSE	TRUE	NA		SR517820J1		Daughter
27771	SR517820J3	SWB	APPROVED_CERT		10/31/2012 16:53	mccabed	SR-WD27-FB-Pre86-C	SS300			10/31/2012		10/31/2012				- Rpkgd into SR517821D1 - Rpkgd into SR517821D2	TRUE	FALSE	TRUE	NA		SR517821D1		Daughter
27772	SR517821	OSB			9/21/2011 14:43	mccabed	SR-WD27-FB-Pre86-C	SS300			3/26/1985	9/7/2011	3/26/1985	9/7/2011			- Rpkgd was SR517821	TRUE	FALSE	TRUE	NA		SR517821		Daughter
27773	SR517821D1	SWB	EMPLACED_CNTR	7/17/2012 13:54	9/21/2011 14:42	mccabed	SR-WD27-FB-Pre86-C	SS300			9/7/2011		9/7/2011				- Rpkgd was SR517821	TRUE	FALSE	TRUE	NA		SR517821		Daughter
27774	SR517821D2	SWB	EMPLACED_CNTR	6/9/2012 10:57	9/21/2011 14:43	mccabed	SR-WD27-FB-Pre86-C	SS300			9/7/2011		9/7/2011				- Rpkgd was SR517821	TRUE	FALSE	TRUE	NA		SR517821		Daughter
27775	SR519777D1	SLB2	APPROVED_SHIP		7/25/2011 21:40	mccabed	SR-WD27-FB-Pre86-C	SS300			7/2/2011		7/2/2011	7/2/2011			- Rpkgd was SR519777	TRUE	FALSE	TRUE	NA		SR519777		Daughter
27776	SR520197A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 20:57	mccabed	SR-WD27-FB-Pre86-C	SS300			5/25/2006	3/9/2012	5/25/2006	3/9/2012		Container was previously assigned SWD061375; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27777	SR523928A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 20:58	mccabed	SR-W027-FB-Pre86-C	SS300			11/17/2006	3/9/2012	11/17/2006	3/9/2012		Container was previously assigned SWD061609; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
27778	SR523950A	SSG	EMPLACED_CNTR	4/26/2013 14:53	3/8/2012 15:27	mccabed	SR-W027-FB-Pre86-C	SS300			11/10/2006	3/1/2012	11/10/2006	3/2/2012		Container was previously assigned SWD061794; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE					
27779	SR526735	SSG	EMPLACED_CNTR	10/18/2011 19:52	5/31/2011 15:39	mccabed	SR-W027-FB-Pre86-C	SS300			4/17/1985	11/12/2007	6/8/2007	11/12/2007				TRUE	TRUE	TRUE	NA				
27780	SR529029A	SSG	EMPLACED_CNTR	8/8/2012 14:42	3/19/2012 16:13	mccabed	SR-W027-FB-Pre86-C	SS300	Remediation		3/14/2006	3/14/2012	3/14/2006	3/14/2012		SWD061099 re-named and WS reassigned from SR-SWMF-HET-A		TRUE	FALSE	TRUE					
27781	SR529029B	SSG	APPROVED_CERT		3/19/2012 16:13	mccabed	SR-W027-FB-Pre86-C	SS300	Remediation		3/14/2006	3/15/2012	3/14/2006	3/15/2012		SWD061102 re-named and WS reassigned from SR-SWMF-HET-A		TRUE	FALSE	TRUE					
27782	SR529029C	SSG	EMPLACED_CNTR	6/24/2012 13:25	3/22/2012 10:18	mccabed	SR-W027-FB-Pre86-C	SS300			6/20/2007	3/16/2012	6/20/2007	3/16/2012		SWD071387 re-named and WS reassigned from SR-SWMF-HET-A; Tru drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27783	SR530013A	SSG	EMPLACED_CNTR	8/8/2012 14:42	3/15/2012 20:45	mccabed	SR-W027-FB-Pre86-C	SS300			5/25/2006	3/9/2012	5/25/2006	3/9/2012		Container was previously assigned SWD061374; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
27784	SR900081	SSG	EMPLACED_CNTR	11/10/2012 15:18	7/26/2012 13:40	mccabed	SR-W027-FB-Pre86-C	SS300			9/1/1985	2/1/2007		2/1/2007		The original drum identification tag was lost and the container was subsequently assigned this number. Sufficient evidence exists that ties SR900081 to burial slip SR176649. Added per MDoherty email 071212.		TRUE	FALSE	TRUE	NA				
27785	SR910022	SSG	PRESUB_CERT		7/3/2012 12:11	mccabed	SR-W027-FB-Pre86-C	SS300			9/13/1977	5/19/2009		5/19/2009		The original drum identification tag was lost and the container was subsequently assigned this number. Sufficient evidence exists that ties SR910022 to burial slip SR100046. Added per MDoherty email 070312.		TRUE	FALSE	TRUE	NA				
27786	SR910031	SSG	PRESUB_CERT		8/12/2012 22:33	mccabed	SR-W027-FB-Pre86-C	SS300			4/24/1975	3/26/2007		3/26/2007		Added per MDoherty email 053112.		FALSE	FALSE	TRUE	NA				
27787	WMAPSWB559	SWB	EMPLACED_CNTR	4/19/2013 14:54	10/17/2012 10:23	mccabed	SR-W027-FB-Pre86-C	SS300			10/17/2012		10/17/2012			Contains Be -H: Will Not be repackaged prior to characterization per Dlambert email 101712.	Rpkgd was SR910033 (overpacked)	FALSE	FALSE	FALSE	NA		SR910033		Repack
27788	SR100001	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	5/30/2004	6/22/1999	5/30/2004	12/15/1999			FALSE	TRUE	TRUE					
27789	SR100002	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	11/27/2006	12/31/1999	11/27/2006	6/24/2000			FALSE	TRUE	TRUE					
27790	SR100003	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	1/30/2004	6/16/1999	1/30/2004	12/9/1999			FALSE	TRUE	TRUE					
27791	SR100004	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	6/11/2004	6/16/1999	6/11/2004	12/9/1999			FALSE	TRUE	TRUE					
27792	SR100005	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/9/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27793	SR100006	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	7/19/2006	6/16/1999	7/19/2006	12/9/1999			FALSE	TRUE	TRUE					
27794	SR100007	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/9/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27795	SR100008	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/9/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27796	SR100009	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/9/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27797	SR100010	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/9/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27798	SR100011	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/11/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27799	SR100012	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/11/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27800	SR100013	SSG	EMPLACED_CNTR	8/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/11/1977	3/6/2003	6/17/1999	3/6/2003	12/10/1999			FALSE	TRUE	TRUE					
27801	SR100014	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/11/1977		6/17/1999		12/10/1999			FALSE	TRUE	TRUE					
27802	SR100015	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/16/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
27803	SR100016	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/16/1977		6/19/1999		2/11/2000			FALSE	TRUE	TRUE					
27804	SR100017	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/16/1977	10/7/2003	6/16/1999	10/7/2003	12/9/1999			FALSE	TRUE	TRUE					
27805	SR100018	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/16/1977	12/9/2003	8/19/1999	12/9/2003	2/11/2000			FALSE	TRUE	TRUE					
27806	SR100019	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1977		8/19/1999		2/11/2000			FALSE	TRUE	TRUE					
27807	SR100020	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/23/1977	11/5/2003	6/17/1999	11/5/2003	2/9/2000			FALSE	TRUE	TRUE					
27808	SR100021	SSG	EMPLACED_CNTR	11/13/2009 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/23/1977	9/10/2008	8/19/1999	9/10/2008	2/11/2000			FALSE	TRUE	TRUE					
27809	SR100021A	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/2008		9/10/2008		3/5/2009			TRUE	TRUE	TRUE					
27810	SR100022	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1977		8/23/1999		2/15/2000			FALSE	TRUE	TRUE					
27811	SR100023	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/23/1977	12/18/2003	8/17/1999	12/18/2003	2/9/2000			FALSE	TRUE	TRUE					
27812	SR100024	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1977		8/17/1999		2/9/2000			FALSE	TRUE	TRUE					
27813	SR100026	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/30/1977		10/18/1999		4/12/2000			FALSE	TRUE	TRUE					
27814	SR100027	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	9/20/2003	8/24/1999	9/20/2003	2/16/2000			FALSE	TRUE	TRUE					
27815	SR100028	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	6/17/2004	8/25/1999	6/17/2004	2/17/2000			FALSE	TRUE	TRUE					
27816	SR100029	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	4/18/2004	8/24/1999	4/18/2004	2/16/2000			FALSE	TRUE	TRUE					
27817	SR100030	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	6/24/2004	8/24/1999	6/24/2004	2/16/2000			FALSE	TRUE	TRUE					
27818	SR100031	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/8/1977		12/1/1999		5/25/2000			FALSE	TRUE	TRUE					
27819	SR100032	SSG	EMPLACED_CNTR	5/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	6/7/2005	10/18/1999	6/7/2005	4/11/2000			FALSE	TRUE	TRUE					
27820	SR100033	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/8/1977		11/3/1999		4/27/2000			FALSE	TRUE	TRUE					
27821	SR100034	SSG	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/8/1977		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
27822	SR100035	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/8/1977		10/26/1999		4/19/2000			FALSE	TRUE	TRUE					
27823	SR100036	SSG	EMPLACED_CNTR	3/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/8/1977	9/8/1977	8/24/1999	10/18/2005	2/16/2000										
27824	SR100036A	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		4/26/2004		4/26/2004											
27825	SR100037	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	10/19/2003	6/15/1999	10/19/2003	12/9/1999			FALSE	TRUE	TRUE					
27826	SR100038	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/8/1977		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
27827	SR100039	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/8/1977	10/3/2006	8/24/1999	10/3/2006	2/16/2000			FALSE	TRUE	TRUE					
27828	SR100040	SSG	EMPLACED_CNTR	7/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27829	SR100041	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		11/4/1999		4/28/2000			FALSE	TRUE	TRUE					
27830	SR100043	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/13/1977	9/13/1977	8/24/1999	10/6/2003	2/16/2000			FALSE	TRUE	TRUE					
27831	SR100044	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		6/15/1999		12/9/1999			FALSE	TRUE	TRUE					
27832	SR100045	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		11/1/1999		4/25/2000			FALSE	TRUE	TRUE					
27833	SR100047	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/13/1977	10/4/2003	10/26/1999	10/4/2003	4/19/2000			FALSE	TRUE	TRUE					
27834	SR100048	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		10/26/1999		4/19/2000			FALSE	TRUE	TRUE					
27835	SR100049	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
27836	SR100050	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/13/1977	9/13/1977	12/31/1999	9/1/2006	6/24/2000			FALSE	TRUE	TRUE					
27837	SR100051	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		10/25/1999		4/18/2000			FALSE	TRUE	TRUE					
27838	SR100052	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/13/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27839	SR100053	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/20/1977		10/25/1999		4/18/2000			FALSE	TRUE	TRUE					
27840	SR100054	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/20/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27841	SR100055	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/20/1977		11/4/1999		4/28/2000			FALSE	TRUE	TRUE					
27842	SR100056	SSG	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/20/1977		10/26/1999		4/19/2000			FALSE	TRUE	TRUE					
27843	SR100057	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/20/1977		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
27844	SR100058	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/20/1977	9/20/1977	12/31/1999	9/21/2006	6/24/2000			FALSE	TRUE	TRUE					
27845	SR100059	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/20/1977	6/16/2004	10/18/1999	6/16/2004	4/11/2000			FALSE	TRUE	TRUE					
27846	SR100061	SSG	EMPLACED_CNTR	11/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	10/4/1977	11/19/2006	12/31/1999	11/19/2006	6/24/2000			FALSE	TRUE	TRUE					
27847	SR100062	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	10/4/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27848	SR100063	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	10/4/1977		5/17/1999		11/19/1999			FALSE	TRUE	TRUE					
27849	SR100064	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	10/4/1977	11/5/2003	8/24/1999	11/5/2003	2/16/2000			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	N	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27750	SR100064A	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	11/5/2003	11/5/2003	11/5/2003	11/5/2003	4/29/2004			TRUE	TRUE	TRUE					
27751	SR100065	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	10/4/1977		10/26/1999		4/19/2000			FALSE	TRUE	TRUE					
27752	SR100066	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	10/4/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27753	SR100067	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/27/1977	7/8/2003	4/13/1999	7/8/2003	10/8/1999			FALSE	TRUE	TRUE					
27754	SR100068	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/6/1978		4/15/1999		10/8/1999			FALSE	TRUE	TRUE					
27755	SR100069	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/27/1977	7/7/2003	4/7/1999	7/7/2003	9/30/1999			FALSE	TRUE	TRUE					
27756	SR100070	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/6/1978		4/15/1999		10/8/1999			FALSE	TRUE	TRUE					
27757	SR100071	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	4/6/1978	12/18/2003	12/6/1999	12/18/2003	5/30/2000			FALSE	TRUE	TRUE					
27758	SR100072	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/6/1978		4/12/1999		10/5/1999			FALSE	TRUE	TRUE					
27759	SR100073	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	4/6/1978	7/8/2003	4/15/1999	7/8/2003	10/8/1999			FALSE	TRUE	TRUE					
27760	SR100074	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	2/16/1978	7/7/2003	5/11/1999	7/7/2003	11/3/1999			FALSE	TRUE	TRUE					
27761	SR100075	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	2/16/1978		6/14/1999		12/7/1999			FALSE	TRUE	TRUE					
27762	SR100076	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	4/6/1978	7/8/2003	4/15/1999	7/8/2003	10/8/1999			FALSE	TRUE	TRUE					
27763	SR100078	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/25/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
27764	SR100080	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	4/20/1978	5/13/2003	5/12/1999	5/13/2003	11/4/1999			FALSE	TRUE	TRUE					
27765	SR100081	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/25/1978		6/14/1999		12/7/1999			FALSE	TRUE	TRUE					
27766	SR100083	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	10/20/1977	5/24/2006	11/5/1999	5/24/2006	4/27/2000			FALSE	TRUE	TRUE					
27767	SR100084	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	10/20/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27768	SR100085	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	10/20/1977	3/12/2007	12/31/1999	3/12/2007	6/14/2000			FALSE	TRUE	TRUE					
27769	SR100086	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	10/20/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27770	SR100087	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	4/6/1978		4/13/1999		10/6/1999			FALSE	TRUE	TRUE					
27771	SR100088	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/1/1977	7/28/2003	4/6/1999	7/28/2003	10/1/1999			FALSE	TRUE	TRUE					
27772	SR100089	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	12/1/1977		11/4/1999		4/28/2000			FALSE	TRUE	TRUE					
27773	SR100090	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	10/20/1977	10/1/2003	10/26/1999	10/1/2003	4/19/2000			FALSE	TRUE	TRUE					
27774	SR100090A	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	10/1/2003	10/1/2003	10/1/2003	10/1/2003	3/25/2004			TRUE	TRUE	TRUE					
27775	SR100091	SSG	EMPLACED_CNTR	8/15/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	11/8/1977		3/11/1999		9/23/1999			FALSE	TRUE	TRUE					
27776	SR100092	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/27/1977	5/2/2006	4/13/1999	5/2/2006	10/6/1999			FALSE	TRUE	TRUE					
27777	SR100093	SSG	EMPLACED_CNTR	11/15/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	10/20/1977		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
27778	SR100094	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	10/20/1977	5/12/2003	10/27/1999	5/12/2003	4/20/2000			FALSE	TRUE	TRUE					
27779	SR100095	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	11/8/1977	10/5/2003	3/11/1999	10/5/2003	9/23/1999			FALSE	TRUE	TRUE					
27780	SR100096	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	11/8/1977	9/24/2003	3/24/1999	9/24/2003	9/16/1999			FALSE	TRUE	TRUE					
27781	SR100097	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	12/1/1977		4/8/1999		10/1/1999			FALSE	TRUE	TRUE					
27782	SR100098	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	12/1/1977		3/30/1999		9/22/1999			FALSE	TRUE	TRUE					
27783	SR100099	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	12/1/1977		3/24/1999		9/16/1999			FALSE	TRUE	TRUE					
27784	SR100100	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/1/1977	7/10/2003	4/7/1999	7/10/2003	9/30/1999			FALSE	TRUE	TRUE					
27785	SR100101	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
27786	SR100102	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/17/1978	6/14/2004	6/9/1999	6/14/2004	12/2/1999			FALSE	TRUE	TRUE					
27787	SR100103	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/24/1978	12/11/2003	4/6/1999	12/11/2003	9/29/1999			FALSE	TRUE	TRUE					
27788	SR100104	SSG	EMPLACED_CNTR	1/29/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	12/27/1977		4/8/1999		10/1/1999			FALSE	TRUE	TRUE					
27789	SR100105	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	12/27/1977	5/16/2004	4/8/1999	5/16/2004	10/1/1999			FALSE	TRUE	TRUE					
27790	SR100106	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
27791	SR100107	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
27792	SR100108	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/17/1978	4/24/2003	6/28/1999	4/24/2003	12/21/1999			FALSE	TRUE	TRUE					
27793	SR100108A	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	4/24/2003	4/24/2003	4/24/2003	4/24/2003	10/17/2003			TRUE	TRUE	TRUE					
27794	SR100109	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		4/19/1999		10/12/1999			FALSE	TRUE	TRUE					
27795	SR100110	SSG	EMPLACED_CNTR	3/13/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		5/11/1999		11/3/1999			FALSE	TRUE	TRUE					
27796	SR100111	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/17/1978	2/2/2004	6/8/1999	2/2/2004	12/1/1999			FALSE	TRUE	TRUE					
27797	SR100112	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		5/11/1999		11/3/1999			FALSE	TRUE	TRUE					
27798	SR100113	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/17/1978	4/6/2006	4/13/1999	4/6/2006	10/6/1999			FALSE	TRUE	TRUE					
27799	SR100113A	SSG	EMPLACED_CNTR	6/17/2012 13:15	8/15/2012 21:02	recabled	SR-WD27-FB-PRE86-C	S5300			4/6/2006	3/6/2012	4/6/2006	3/6/2012		SWD06 L185 re-named and WS reassigned from SR-SWM4-HET-A, Tru Drum repacking 221-F S5006.		TRUE	FALSE	TRUE					
27800	SR100115	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
27801	SR100116	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/17/1978	9/15/2003	6/28/1999	9/15/2003	12/21/1999			FALSE	TRUE	TRUE					
27802	SR100117	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
27803	SR100118	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/30/1978		5/11/1999		11/3/1999			FALSE	TRUE	TRUE					
27804	SR100119	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/30/1978		5/30/1999		11/2/1999			FALSE	TRUE	TRUE					
27805	SR100120	SSG	EMPLACED_CNTR	9/8/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/30/1978	3/6/2004	5/10/1999	3/6/2004	11/2/1999			FALSE	TRUE	TRUE					
27806	SR100121	SSG	EMPLACED_CNTR	11/11/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	V&P Purge	0	1/30/1978	1/10/1978	5/12/1999	9/9/2005	11/4/1999			FALSE	TRUE	TRUE					
27807	SR100122	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/30/1978	10/13/2003	5/11/1999	10/13/2003	11/3/1999			FALSE	TRUE	TRUE					
27808	SR100123	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	1/17/1978		4/19/1999		10/12/1999			FALSE	TRUE	TRUE					
27809	SR100124	SSG	EMPLACED_CNTR	1/28/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	1/24/1978	3/22/2006	11/8/1999	3/22/2006	5/2/2000			FALSE	TRUE	TRUE					
27810	SR100124A	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1		3/22/2006		3/22/2006											
27811	SR100125	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	2/16/1978	10/5/2003	5/11/1999	10/5/2003	11/3/1999			FALSE	TRUE	TRUE					
27812	SR100126	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	V&P Purge	0	2/16/1978	2/16/1978	6/14/1999	10/5/2003	12/7/1999			FALSE	TRUE	TRUE					
27813	SR100127	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	2/16/1978	4/5/2004	5/11/1999	4/5/2004	11/3/1999			FALSE	TRUE	TRUE					
27814	SR100128	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	2/16/1978		5/11/1999		11/3/1999			FALSE	TRUE	TRUE					
27815	SR100129	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	2/16/1978		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
27816	SR100130	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	9/7/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
27817	SR100131	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	V&P Vent	0	9/7/1978	9/7/1978	5/26/1999	10/14/2006	11/18/1999			FALSE	TRUE	TRUE					
27818	SR100132	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	9/7/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
27819	SR100135	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	9/5/1978	9/17/2003	5/24/1999	9/17/2003	11/16/1999			FALSE	TRUE	TRUE					
27820	SR100136	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	2/16/1978	4/12/2004	6/8/1999	4/12/2004	12/1/1999			FALSE	TRUE	TRUE					
27821	SR100137	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	2/16/1978	6/13/2005	6/14/1999	6/13/2005	12/7/1999			FALSE	TRUE	TRUE					
27822	SR100138	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	3/30/1978	4/27/2004	5/11/1999	4/27/2004	11/3/1999			FALSE	TRUE	TRUE					
27823	SR100139	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	3/30/1978	6/17/2003	5/25/1999	6/17/2003	11/17/1999			FALSE	TRUE	TRUE					
27824	SR100140	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	3/30/1978	3/25/2004	5/25/1999	3/25/2004	11/17/1999			FALSE	TRUE	TRUE					
27825	SR100141	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	3/30/1978		11/2/1999		4/26/2000			FALSE	TRUE	TRUE					
27826	SR100142	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	3/30/1978		4/13/1999		10/5/1999			FALSE	TRUE	TRUE					
27827	SR100143	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	3/30/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
27828	SR100145	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	6/20/1978	7/15/2003	4/28/1999	7/15/2003	10/21/1999			FALSE	TRUE	TRUE					
27829	SR100146	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	6/20/1978	10/4/2003	4/29/1999	10/4/2003	10/22/1999			FALSE	TRUE	TRUE					
27830	SR100147	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	6/20/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
27831	SR100148	SSG	EMPLACED_CNTR	11/5/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	6/20/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
27832	SR100149	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	6/6/1978		7/1/1999		12/24/1999			FALSE	TRUE	TRUE					
27833	SR100150	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	6/6/1978	5/14/2003	5/19/1999	5/14/2003	11/11/1999			FALSE	TRUE	TRUE					
27834	SR100151	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300		0	6/6/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
27835	SR100152	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	Remediate	1	6/6/1978	7/28/2003	7/1/1999	7/28/2003	12/24/1999			FALSE	TRUE	TRUE					
27836	SR100153	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWS_Upd	SR-WD27-FB-PRE86-C	S5300	V&P Vent	0	6/6/1978	6/6/1978	5/20/1999	8/11/2006	11/12/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
27917	SR100154		SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/6/1978			7/1/1999	12/24/1999		FALSE	TRUE	TRUE					
27938	SR100155		SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/28/1978	5/12/2003	4/13/1999	5/12/2003	10/6/1999		FALSE	TRUE	TRUE					
27939	SR100156		SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/28/1978	5/12/2003	4/13/1999	5/12/2003	10/6/1999		FALSE	TRUE	TRUE					
27940	SR100157		SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/28/1978		4/13/1999		10/6/1999		FALSE	TRUE	TRUE					
27941	SR100158		SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/28/1978		4/12/1999		10/5/1999		FALSE	TRUE	TRUE					
27942	SR100159		SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/13/1978		7/1/1999		12/24/1999		FALSE	TRUE	TRUE					
27943	SR100160		SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/13/1978	6/12/2006	7/1/1999	6/12/2006	12/24/1999		FALSE	TRUE	TRUE					
27944	SR100161		SSG	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/13/1978		7/1/1999		12/24/1999		FALSE	TRUE	TRUE					
27945	SR100163		SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/17/1978		4/26/1999		10/19/1999		FALSE	TRUE	TRUE					
27946	SR100164		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	1/17/1978	7/15/2003	4/19/1999	7/15/2003	10/6/1999		FALSE	TRUE	TRUE					
27947	SR100165		SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/20/1978		4/27/1999		10/20/1999		FALSE	TRUE	TRUE					
27948	SR100166		SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/2/1978		5/25/1999		11/17/1999		FALSE	TRUE	TRUE					
27949	SR100167		SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/2/1978		5/10/1999		11/2/1999		FALSE	TRUE	TRUE					
27950	SR100168		SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/2/1978		4/12/1999		10/5/1999		FALSE	TRUE	TRUE					
27951	SR100169		SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/2/1978		5/10/1999		11/2/1999		FALSE	TRUE	TRUE					
27952	SR100170		SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/6/1978	10/5/2003	6/8/1999	10/5/2003	12/1/1999		FALSE	TRUE	TRUE					
27953	SR100171		SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/28/1978		4/13/1999		10/6/1999		FALSE	TRUE	TRUE					
27954	SR100172		SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	11/17/1977	11/13/2003	3/25/1999	11/13/2003	9/17/1999		FALSE	TRUE	TRUE					
27955	SR100173		SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/20/1978		5/10/1999		11/2/1999		FALSE	TRUE	TRUE					
27956	SR100174		SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/20/1978		4/27/1999		10/20/1999		FALSE	TRUE	TRUE					
27957	SR100175		SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	11/17/1977	5/1/2003	4/5/1999	5/1/2003	9/28/1999		FALSE	TRUE	TRUE					
27958	SR100176		SSG	EMPLACED_CNTR	11/10/2000	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	10/4/1977		10/26/1999		4/15/2000		FALSE	TRUE	TRUE					
27959	SR100178		SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	9/27/1977	6/13/2006	10/19/1999	6/13/2006	4/12/2000		FALSE	TRUE	TRUE					
27960	SR100179		SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	9/27/1977	4/22/2003	10/27/1999	4/22/2003	4/20/2000		FALSE	TRUE	TRUE					
27961	SR100180		SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Vent	0	9/27/1977	9/27/1977	12/31/1999	10/3/2006	6/24/2000		FALSE	TRUE	TRUE					
27962	SR100181		SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Vent	0	10/13/1977	10/13/1977	12/31/1999	8/31/2006	6/24/2000		FALSE	TRUE	TRUE					
27963	SR100182		SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	10/13/1977		10/27/1999		4/20/2000		FALSE	TRUE	TRUE					
27964	SR100183		SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	10/13/1977		10/28/1999		4/21/2000		FALSE	TRUE	TRUE					
27965	SR100184		SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Vent	0	4/25/1978	4/25/1978	5/13/1999	11/9/2006	11/5/1999		FALSE	TRUE	TRUE					
27966	SR100185		SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/25/1978	8/10/2003	6/14/1999	8/10/2003	12/7/1999		FALSE	TRUE	TRUE					
27967	SR100186		SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/19/1999		11/11/1999		FALSE	TRUE	TRUE					
27968	SR100187		SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27969	SR100188		SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/13/1999		11/5/1999		FALSE	TRUE	TRUE					
27970	SR100189		SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Vent	0	9/27/1977	9/27/1977	12/31/1999	10/2/2006	6/24/2000		FALSE	TRUE	TRUE					
27971	SR100190		SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	9/27/1977	9/18/2003	10/18/1999	9/18/2003	4/11/2000		FALSE	TRUE	TRUE					
27972	SR100191		SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	9/27/1977		11/1/1999		4/25/2000		FALSE	TRUE	TRUE					
27973	SR100192		SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27974	SR100193		SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	1/19/2004	5/17/1999	1/19/2004	11/8/1999		FALSE	TRUE	TRUE					
27975	SR100194		SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	6/17/2004	12/31/1999	6/17/2004	6/24/2000		FALSE	TRUE	TRUE					
27976	SR100195		SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	5/2/2004	5/17/1999	5/2/2004	11/8/1999		FALSE	TRUE	TRUE					
27977	SR100196		SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	4/7/2004	5/12/1999	4/7/2004	11/4/1999		FALSE	TRUE	TRUE					
27978	SR100197		SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/20/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27979	SR100198		SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/20/1978		4/12/1999		10/5/1999		FALSE	TRUE	TRUE					
27980	SR100199		SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	7/11/2003	4/12/1999	7/11/2003	10/5/1999		FALSE	TRUE	TRUE					
27981	SR100200		SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	7/10/2003	5/12/1999	7/10/2003	11/4/1999		FALSE	TRUE	TRUE					
27982	SR100201		SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	9/18/2003	4/12/1999	9/18/2003	10/5/1999		FALSE	TRUE	TRUE					
27983	SR100202		SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/20/1978		5/17/1999		11/9/1999		FALSE	TRUE	TRUE					
27984	SR100203		SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/20/1978	6/9/2003	5/12/1999	6/9/2003	11/4/1999		FALSE	TRUE	TRUE					
27985	SR100204		SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/13/1999		11/5/1999		FALSE	TRUE	TRUE					
27986	SR100205		SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/4/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27987	SR100207		SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/27/1978	10/7/2003	4/26/1999	10/7/2003	10/19/1999		FALSE	TRUE	TRUE					
27988	SR100208		SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/27/1978		4/26/1999		10/19/1999		FALSE	TRUE	TRUE					
27989	SR100210		SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/11/1978		4/22/1999		10/15/1999		FALSE	TRUE	TRUE					
27990	SR100211		SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/11/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27991	SR100212		SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/11/1978		5/13/1999		11/5/1999		FALSE	TRUE	TRUE					
27992	SR100213		SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/11/1978	2/27/2003	4/22/1999	2/27/2003	10/15/1999		FALSE	TRUE	TRUE					
27993	SR100214		SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/11/1978		4/22/1999		10/15/1999		FALSE	TRUE	TRUE					
27994	SR100215		SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/11/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
27995	SR100216		SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/18/1978	9/22/2003	5/13/1999	9/22/2003	11/5/1999		FALSE	TRUE	TRUE					
27996	SR100217		SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/20/1999		11/12/1999		FALSE	TRUE	TRUE					
27997	SR100218		SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/18/1978	7/14/2003	5/18/1999	7/14/2003	11/8/1999		FALSE	TRUE	TRUE					
27998	SR100219		SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/17/1999		11/9/1999		FALSE	TRUE	TRUE					
27999	SR100220		SSG	EMPLACED_CNTR	2/17/2011 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	0	5/18/1978	1/30/2010	12/6/1999	1/30/2010	5/30/2000		TRUE	TRUE	TRUE					
28000	SR100220A		SSG	EMPLACED_CNTR	3/3/2011 22:43	4/28/2011 6:00	WPPMETS\SQLMaster	SR-W027-FB-PRE86-C	$5300		0	1/30/2010		1/30/2010		7/25/2010		TRUE	TRUE	TRUE					
28001	SR100221		SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/13/1999		11/5/1999		FALSE	TRUE	TRUE					
28002	SR100222		SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/17/1999		11/9/1999		FALSE	TRUE	TRUE					
28003	SR100223		SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
28004	SR100224		SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/18/1978	2/2/2004	5/18/1999	2/2/2004	11/11/1999		FALSE	TRUE	TRUE					
28005	SR100225		SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/13/1999		11/5/1999		FALSE	TRUE	TRUE					
28006	SR100226		SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/18/1978		5/20/1999		11/12/1999		FALSE	TRUE	TRUE					
28007	SR100227		SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/23/1978	10/4/2003	4/22/1999	10/4/2003	10/15/1999		FALSE	TRUE	TRUE					
28008	SR100228		SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/23/1978		4/22/1999		10/15/1999		FALSE	TRUE	TRUE					
28009	SR100229		SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/23/1978	2/2/2004	4/22/1999	2/2/2004	10/15/1999		FALSE	TRUE	TRUE					
28010	SR100230		SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/23/1978		4/22/1999		10/15/1999		FALSE	TRUE	TRUE					
28011	SR100231		SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/23/1978	9/21/2003	5/20/1999	9/21/2003	11/12/1999		FALSE	TRUE	TRUE					
28012	SR100232		SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/23/1978	6/27/2007	4/22/1999	6/27/2007	10/15/1999		FALSE	TRUE	TRUE					
28013	SR100233		SSG	EMPLACED_CNTR	2/16/2011 22:12	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	0	5/23/1978	2/25/2010	12/31/1999	2/25/2010	6/24/2000		TRUE	TRUE	TRUE					
28014	SR100233A		SSG	EMPLACED_CNTR	2/27/2011 13:33	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/25/2010		2/25/2010		8/20/2010		TRUE	TRUE	TRUE					
28015	SR100233B		SSG	EMPLACED_CNTR	2/16/2011 22:12	4/28/2011 6:00	WPPMETS\SQLMaster	SR-W027-FB-PRE86-C	$5300		0	2/25/2010		2/25/2010		8/20/2010		TRUE	TRUE	TRUE					
28016	SR100233C		SSG	EMPLACED_CNTR	4/11/2013 15:07	4/28/2011 6:00	WPPMETS\SQLMaster	SR-W027-FB-PRE86-C	$5300		0	2/25/2010		2/25/2010		8/20/2010		FALSE	TRUE	TRUE					
28017	SR100235		SSG	EMPLACED_CNTR	11/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/24/1999		11/16/1999		FALSE	TRUE	TRUE					
28018	SR100236		SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
28019	SR100237		SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/19/1999		11/11/1999		FALSE	TRUE	TRUE					
28020	SR100238		SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/18/1999		11/10/1999		FALSE	TRUE	TRUE					
28021	SR100239		SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/19/1999		11/11/1999		FALSE	TRUE	TRUE					
28022	SR100240		SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/25/1978	7/17/2003	5/19/1999	7/17/2003	11/11/1999		FALSE	TRUE	TRUE					
28023	SR100241		SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/19/1999		11/11/1999		FALSE	TRUE	TRUE					
28024	SR100242		SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/25/1978		5/19/1999		11/11/1999		FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28025	SR100243	55G	EMPLACED_CNTR	7/19/2001	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/6/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28026	SR100244	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/27/1978		4/26/1999		10/19/1999			FALSE	TRUE	TRUE					
28027	SR100245	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/6/1978		5/19/1999		11/11/1999			FALSE	TRUE	TRUE					
28028	SR100246	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/6/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28029	SR100247	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/6/1978		5/20/1999		11/11/1999			FALSE	TRUE	TRUE					
28030	SR100248	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	6/6/1978	3/27/2003	5/11/1999	3/27/2003	11/4/1999			FALSE	TRUE	TRUE					
28031	SR100249	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300	Remediate	1	6/27/1978	4/30/2003	7/12/1999	4/30/2003	1/4/2000			FALSE	TRUE	TRUE					
28032	SR100250	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	6/27/1978		4/27/1999		10/20/1999			FALSE	TRUE	TRUE					
28033	SR100502	55G	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300	Remediate	1	6/27/1978	8/4/2003	7/12/1999	8/4/2003	1/4/2000			FALSE	TRUE	TRUE					
28034	SR100503	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	6/27/1978	4/28/2003	5/27/1999	4/28/2003	11/19/1999			FALSE	TRUE	TRUE					
28035	SR100504	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	6/27/1978		5/27/1999		11/19/1999			FALSE	TRUE	TRUE					
28036	SR100505	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	6/27/1978	4/28/2003	5/26/1999	4/28/2003	11/18/1999			FALSE	TRUE	TRUE					
28037	SR100506	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	6/27/1978		5/27/1999		11/18/1999			FALSE	TRUE	TRUE					
28038	SR100507	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	6/27/1978	5/5/2006	7/1/1999	5/5/2006	12/24/1999			FALSE	TRUE	TRUE					
28039	SR100508	55G	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	7/11/1978		5/27/1999		11/19/1999			FALSE	TRUE	TRUE					
28040	SR100510	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/11/1978	5/13/2003	5/27/1999	5/13/2003	11/19/1999			FALSE	TRUE	TRUE					
28041	SR100511	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/11/1978		6/28/1999		12/1/1999			FALSE	TRUE	TRUE					
28042	SR100512	55G	EMPLACED_CNTR	6/5/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/11/1978		7/1/1999		12/24/1999			FALSE	TRUE	TRUE					
28043	SR100513	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/11/1978		7/13/1999		1/4/2000			FALSE	TRUE	TRUE					
28044	SR100514	55G	EMPLACED_CNTR	4/28/2009	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/11/1978		5/27/1999		11/19/1999			FALSE	TRUE	TRUE					
28045	SR100515	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/11/1978		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
28046	SR100520	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/27/1978		7/1/1999		12/24/1999			FALSE	TRUE	TRUE					
28047	SR100521	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/27/1978	6/12/2004	4/22/1999	6/12/2004	10/15/1999			FALSE	TRUE	TRUE					
28048	SR100522	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/27/1978		7/13/1999		1/4/2000			FALSE	TRUE	TRUE					
28049	SR100523	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	7/27/1978		7/13/1999		1/4/2000			FALSE	TRUE	TRUE					
28050	SR100524	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	7/27/1978		7/1/1999		12/24/1999			FALSE	TRUE	TRUE					
28051	SR100525	55G	EMPLACED_CNTR	8/12/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		6/30/1999		12/13/1999			FALSE	TRUE	TRUE					
28052	SR100526	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/27/1978	4/24/2003	4/22/1999	4/24/2003	10/15/1999			FALSE	TRUE	TRUE					
28053	SR100527	55G	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	7/27/1978		4/22/1999		10/15/1999			FALSE	TRUE	TRUE					
28054	SR100528	55G	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/1/1978	1/17/2006	5/27/1999	1/17/2006	11/19/1999			FALSE	TRUE	TRUE					
28055	SR100529	55G	EMPLACED_CNTR	6/1/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		4/29/1999		10/22/1999			FALSE	TRUE	TRUE					
28056	SR100530	55G	EMPLACED_CNTR	5/7/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28057	SR100531	55G	EMPLACED_CNTR	4/24/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		4/29/1999		10/22/1999			FALSE	TRUE	TRUE					
28058	SR100532	55G	EMPLACED_CNTR	12/18/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28059	SR100533	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/1/1978		4/29/1999		10/22/1999			FALSE	TRUE	TRUE					
28060	SR100534	55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/1/1978	1/19/2006	4/29/1999	1/19/2006	10/22/1999			FALSE	TRUE	TRUE					
28061	SR100535	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		4/28/1999		12/21/1999			FALSE	TRUE	TRUE					
28062	SR100536	55G	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28063	SR100537	55G	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		4/28/1999		10/19/1999			FALSE	TRUE	TRUE					
28064	SR100538	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	8/8/1978	8/8/1978	7/1/1999	10/9/2003	12/24/1999			FALSE	TRUE	TRUE					
28065	SR100539	55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/8/1978	12/9/2005	4/28/1999	12/9/2005	10/21/1999			FALSE	TRUE	TRUE					
28066	SR100540	55G	EMPLACED_CNTR	7/5/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28067	SR100541	55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/8/1978	4/5/2004	7/1/1999	4/5/2004	12/24/1999			FALSE	TRUE	TRUE					
28068	SR100542	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		4/28/1999		12/21/1999			FALSE	TRUE	TRUE					
28069	SR100543	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		7/1/1999		12/24/1999			FALSE	TRUE	TRUE					
28070	SR100544	55G	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		4/29/1999		10/19/1999			FALSE	TRUE	TRUE					
28071	SR100545	55G	EMPLACED_CNTR	8/1/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	8/8/1978		4/28/1999		12/21/1999			FALSE	TRUE	TRUE					
28072	SR100546	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/8/1978	7/24/2003	4/28/1999	7/24/2003	12/21/1999			FALSE	TRUE	TRUE					
28073	SR100547	55G	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/8/1978	1/11/2010	11/3/1999	1/13/2010	4/27/2000			FALSE	TRUE	TRUE					
28074	SR100547A	55G	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-WQ27-FB-PRE86-C	S5300		0	1/13/2010		1/13/2010		7/8/2010			TRUE	TRUE	TRUE					
28075	SR100548	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28076	SR100549	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/7/1978		5/15/1999		11/17/1999			FALSE	TRUE	TRUE					
28077	SR100550	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/7/1978	5/7/2003	5/13/1999	5/7/2003	11/5/1999			FALSE	TRUE	TRUE					
28078	SR100551	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28079	SR100552	55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28080	SR100553	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/7/1978	10/13/2003	5/17/1999	10/13/2003	11/9/1999			FALSE	TRUE	TRUE					
28081	SR100554	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/7/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28082	SR100555	55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	11/17/2006	5/10/1999	11/17/2006	11/2/1999			FALSE	TRUE	TRUE					
28083	SR100556	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	7/16/2003	5/10/1999	7/16/2003	11/2/1999			FALSE	TRUE	TRUE					
28084	SR100557	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28085	SR100558	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28086	SR100559	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	3/28/2003	5/5/1999	3/28/2003	10/28/1999			FALSE	TRUE	TRUE					
28087	SR100560	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	11/14/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28088	SR100561	55G	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Upd	SR-WQ87-FB-PRE86-C	S5300		0	11/14/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
28089	SR100562	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	7/15/2003	5/10/1999	7/15/2003	11/2/1999			FALSE	TRUE	TRUE					
28090	SR100563	55G	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
28091	SR100564	55G	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28092	SR100565	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	3/28/2003	5/6/1999	3/28/2003	10/29/1999			FALSE	TRUE	TRUE					
28093	SR100566	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28094	SR100567	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28095	SR100568	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/14/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
28096	SR100569	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/14/1978	6/20/2005	5/6/1999	6/20/2005	10/29/1999			FALSE	TRUE	TRUE					
28097	SR100570	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/16/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28098	SR100571	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/16/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28099	SR100572	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/16/1978		5/27/1999		11/19/1999			FALSE	TRUE	TRUE					
28100	SR100573	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/16/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
28101	SR100574	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/16/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28102	SR100575	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	7/9/2003	5/19/1999	7/9/2003	11/11/1999			FALSE	TRUE	TRUE					
28103	SR100576	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/21/1978		5/17/1999		11/9/1999			FALSE	TRUE	TRUE					
28104	SR100577	55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	4/20/2004	5/19/1999	4/20/2004	11/11/1999			FALSE	TRUE	TRUE					
28105	SR100578	55G	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/21/1978		5/17/1999		11/9/1999			FALSE	TRUE	TRUE					
28106	SR100579	55G	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	12/8/2003	5/18/1999	12/8/2003	11/10/1999			FALSE	TRUE	TRUE					
28107	SR100580	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/21/1978		5/18/1999		11/10/1999			FALSE	TRUE	TRUE					
28108	SR100581	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	4/15/2008	4/1/1999	4/15/2008	11/24/1999			FALSE	TRUE	TRUE					
28109	SR100582	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300		0	11/21/1978		5/18/1999		11/10/1999			FALSE	TRUE	TRUE					
28110	SR100583	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	6/20/2003	5/18/1999	6/20/2003	11/10/1999			FALSE	TRUE	TRUE					
28111	SR100584	55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	10/7/2003	5/17/1999	10/7/2003	11/9/1999			FALSE	TRUE	TRUE					
28112	SR100585	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1978	9/20/2003	6/1/1999	9/20/2003	11/24/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28113	SR100586	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Purge	0	11/21/1978	11/21/1978	5/18/1999	10/10/2005	11/10/1999			FALSE	TRUE	TRUE					
28114	SR100587	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/21/1978	10/4/2006	5/18/1999	10/4/2006	11/10/1999			FALSE	TRUE	TRUE					
28115	SR100588	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Purge	0	11/21/1978	11/11/1978	5/13/1999	10/9/2003	11/5/1999			FALSE	TRUE	TRUE					
28116	SR100590	SSG	EMPLACED_CNTR	10/18/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/21/1978	8/3/2004	5/18/1999	8/3/2004	11/10/1999			FALSE	TRUE	TRUE					
28117	SR100591	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	11/21/1978		6/1/1999		11/24/1999			FALSE	TRUE	TRUE					
28118	SR100594	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/28/1978	5/18/2006	11/2/1999	5/18/2006	4/26/2000										
28119	SR100594A	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1		5/18/2006		5/18/2006											
28130	SR100595	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/28/1978	1/11/2004	6/7/1999	1/11/2004	11/30/1999			FALSE	TRUE	TRUE					
28131	SR100596	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/28/1978	4/29/2006	6/1/1999	4/29/2006	11/24/1999			FALSE	TRUE	TRUE					
28132	SR100598	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/28/1978	10/14/2006	5/17/1999	10/14/2006	11/9/1999			FALSE	TRUE	TRUE					
28129	SR100608	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/5/1978	9/16/2003	5/17/1999	9/16/2003	11/9/1999			FALSE	TRUE	TRUE					
28124	SR100609	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/5/1978	7/29/2003	6/7/1999	7/29/2003	11/30/1999			FALSE	TRUE	TRUE					
28125	SR100610	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/4/1978		6/1/1999		11/24/1999			FALSE	TRUE	TRUE					
28126	SR100611	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/5/1978	12/27/2005	5/19/1999	12/27/2005	11/11/1999			FALSE	TRUE	TRUE					
28127	SR100613	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/19/1978	5/18/2004	11/2/1999	5/18/2004	4/26/2000			FALSE	TRUE	TRUE					
28128	SR100614	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/19/1978		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
28129	SR100615	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/19/1978		8/19/1999		2/11/2000			FALSE	TRUE	TRUE					
28130	SR100615	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/19/1978		10/18/1999		4/11/2000			FALSE	TRUE	TRUE					
28131	SR100617	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/19/1978		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
28132	SR100618	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/19/1978		6/7/1999		11/30/1999			FALSE	TRUE	TRUE					
28133	SR100619	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/19/1978	7/17/2003	5/13/1999	7/17/2003	11/5/1999			FALSE	TRUE	TRUE					
28134	SR100620	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/21/1978		8/23/1999		2/15/2000			FALSE	TRUE	TRUE					
28135	SR100621	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/21/1978		10/18/1999		4/12/2000			FALSE	TRUE	TRUE					
28136	SR100622	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/21/1978	5/10/2006	10/19/1999	5/10/2006	4/12/2000			FALSE	TRUE	TRUE					
28137	SR100623	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	12/21/1978		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
28138	SR100624	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	12/28/1978	4/5/2004	8/17/1999	4/5/2004	2/9/2000			FALSE	TRUE	TRUE					
28139	SR100625	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	1/4/1979		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
28140	SR100626	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/4/1979	8/6/2003	8/17/1999	8/6/2003	2/9/2000			FALSE	TRUE	TRUE					
28141	SR100627	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/4/1979	9/22/2003	8/16/1999	9/22/2003	2/8/2000			FALSE	TRUE	TRUE					
28142	SR100628	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/4/1979	3/26/2008	12/2/1999	3/26/2008	5/26/2000			FALSE	TRUE	TRUE					
28143	SR100628A	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/26/2008		3/26/2008		9/18/2008			FALSE	TRUE	TRUE					
28144	SR100629	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/11/1979	9/17/2008	11/29/1999	9/17/2008	5/23/2000			FALSE	TRUE	TRUE					
28145	SR100630	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/11/1979	6/11/2003	8/10/1999	6/11/2003	2/2/2000			FALSE	TRUE	TRUE					
28146	SR100631	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/11/1979	6/9/2004	6/15/1999	6/9/2004	12/8/1999			FALSE	TRUE	TRUE					
28147	SR100632	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	4/13/2004	8/9/1999	4/13/2004	2/1/2000			FALSE	TRUE	TRUE					
28148	SR100635	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	7/17/2003	8/9/1999	7/17/2003	2/1/2000			FALSE	TRUE	TRUE					
28149	SR100636	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	7/9/2003	8/12/1999	7/9/2003	2/4/2000			FALSE	TRUE	TRUE					
28150	SR100637	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	1/18/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28151	SR100638	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	4/28/2003	7/14/1999	4/28/2003	1/6/2000			FALSE	TRUE	TRUE					
28152	SR100639	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	1/18/2004	6/24/1999	1/18/2004	12/17/1999			FALSE	TRUE	TRUE					
28153	SR100640	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	1/18/1979	4/30/2003	10/19/1999	4/30/2003	4/12/2000			FALSE	TRUE	TRUE					
28154	SR100641	SSG	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	1/18/1979		10/18/1999		4/11/2000			FALSE	TRUE	TRUE					
28155	SR100642	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	1/18/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28156	SR100644	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/24/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28157	SR100645	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/22/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
28158	SR100649	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/6/1979		7/12/1999		1/4/2000			FALSE	TRUE	TRUE					
28159	SR100650	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/6/1979		7/14/1999		1/6/2000			FALSE	TRUE	TRUE					
28160	SR100652	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/6/1979		6/21/1999		12/14/1999			FALSE	TRUE	TRUE					
28161	SR100653	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Purge	0	2/22/1979	2/21/1979	6/21/1999	10/4/2005	12/15/1999			FALSE	TRUE	TRUE					
28162	SR100654	SSG	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/22/1979		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28163	SR100655	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/22/1979		7/14/1999		1/6/2000			FALSE	TRUE	TRUE					
28164	SR100656	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	2/22/1979		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
28165	SR100658	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	9/20/2003	8/11/1999	9/20/2003	2/3/2000			FALSE	TRUE	TRUE					
28166	SR100659	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	3/15/2004	7/15/1999	3/15/2004	1/7/2000			FALSE	TRUE	TRUE					
28167	SR100660	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	2/8/1979	7/22/2003	8/9/1999	7/22/2003	2/1/2000			FALSE	TRUE	TRUE					
28168	SR100663	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/17/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
28169	SR100664	SSG	EMPLACED_CNTR	1/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	9/17/2003	7/12/1999	9/17/2003	1/4/2000			FALSE	TRUE	TRUE					
28170	SR100665	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	3/22/2006	6/23/1999	3/22/2006	12/16/1999			FALSE	TRUE	TRUE					
28171	SR100666	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/22/1979		6/15/1999		12/8/1999			FALSE	TRUE	TRUE					
28172	SR100667	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/22/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28173	SR100668	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/22/1979		8/24/1999		12/17/1999			FALSE	TRUE	TRUE					
28174	SR100669	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	3/22/1979	7/24/2003	7/14/1999	7/24/2003	1/6/2000			FALSE	TRUE	TRUE					
28175	SR100670	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	3/22/1979	8/4/2003	8/11/1999	8/4/2003	2/3/2000			FALSE	TRUE	TRUE					
28176	SR100671	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	3/22/1979	7/15/2003	7/15/1999	7/15/2003	1/7/2000			FALSE	TRUE	TRUE					
28177	SR100672	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/27/1979		7/19/1999		1/1/2000			FALSE	TRUE	TRUE					
28178	SR100673	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/27/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28179	SR100676	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	3/27/1979		7/14/1999		1/6/2000			FALSE	TRUE	TRUE					
28180	SR100677	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	3/27/1979	3/26/2006	7/15/1999	3/26/2006	1/7/2000			FALSE	TRUE	TRUE					
28181	SR100678	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/30/1979		7/19/1999		1/11/2000			FALSE	TRUE	TRUE					
28182	SR100679	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/30/1979		6/21/1999		12/14/1999			FALSE	TRUE	TRUE					
28183	SR100680	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/17/1979		10/28/1999		4/21/2000			FALSE	TRUE	TRUE					
28184	SR100681	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	4/17/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28185	SR100682	SSG	EMPLACED_CNTR	3/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	8/19/2003	7/14/1999	8/19/2003	1/6/2000			FALSE	TRUE	TRUE					
28186	SR100683	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	4/17/1979	3/14/2003	6/15/1999	3/14/2003	12/8/1999			FALSE	TRUE	TRUE					
28187	SR100748	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	11/7/1978	7/25/2003	5/6/1999	7/25/2003	10/29/1999			FALSE	TRUE	TRUE					
28188	SR101100	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	9/5/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28189	SR101101	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/8/1978	7/3/2003	7/1/1999	7/3/2003	12/24/1999			FALSE	TRUE	TRUE					
28190	SR101102	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/8/1978	8/5/2003	4/28/1999	8/5/2003	10/21/1999			FALSE	TRUE	TRUE					
28191	SR101103	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		7/15/1999		1/5/2000			FALSE	TRUE	TRUE					
28192	SR101104	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/24/1978	4/26/2004	11/5/1999	4/26/2004	5/3/2000			FALSE	TRUE	TRUE					
28193	SR101106	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Purge	0	8/24/1978	8/24/1978	7/1/1999	10/9/2003	12/24/1999			FALSE	TRUE	TRUE					
28194	SR101107	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/24/1978	4/23/2006	7/13/1999	4/23/2006	1/5/2000			FALSE	TRUE	TRUE					
28195	SR101108	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		5/13/1999		11/5/1999			FALSE	TRUE	TRUE					
28196	SR101109	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		6/30/1999		12/23/1999			FALSE	TRUE	TRUE					
28197	SR101110	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		7/12/1999		1/4/2000			FALSE	TRUE	TRUE					
28198	SR101111	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		7/12/1999		1/4/2000			FALSE	TRUE	TRUE					
28199	SR101112	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/24/1978	6/14/2004	7/12/1999	6/14/2004	1/4/2000			FALSE	TRUE	TRUE					
28200	SR101113	SSG	EMPLACED_CNTR	1/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	8/24/1978		4/22/1999		10/15/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28201	SR101114	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	8/24/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28202	SR101115	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	8/24/1978		4/26/1999		10/19/1999			FALSE	TRUE	TRUE					
28203	SR101116	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	8/24/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28204	SR101118	SSG	EMPLACED_CNTR	6/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	8/24/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28205	SR101119	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	8/24/1978		6/30/1999		12/23/1999			FALSE	TRUE	TRUE					
28206	SR101120	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28207	SR101121	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/5/1978	8/31/2003	5/25/1999	8/31/2003	11/17/1999			FALSE	TRUE	TRUE					
28208	SR101122	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28209	SR101123	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28210	SR101124	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/5/1978	6/19/2003	5/24/1999	6/19/2003	11/16/1999			FALSE	TRUE	TRUE					
28211	SR101126	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28212	SR101127	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/5/1978	10/10/2003	5/24/1999	10/10/2003	11/16/1999			FALSE	TRUE	TRUE					
28213	SR101128	SSG	EMPLACED_CNTR	8/9/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
28214	SR101129	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/5/1978	10/3/2003	5/29/1999	10/3/2003	11/12/1999			FALSE	TRUE	TRUE					
28215	SR101130	SSG	EMPLACED_CNTR	5/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/2/1978		5/13/1999		11/5/1999			FALSE	TRUE	TRUE					
28216	SR101131	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/2/1978		5/13/1999		11/5/1999			FALSE	TRUE	TRUE					
28217	SR101132	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/25/1999		11/17/1999			FALSE	TRUE	TRUE					
28218	SR101133	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28219	SR101134	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28220	SR101135	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28221	SR101136	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28222	SR101137	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/5/1978	10/7/2003	5/24/1999	10/7/2003	11/16/1999			FALSE	TRUE	TRUE					
28223	SR101138	SSG	EMPLACED_CNTR	3/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28224	SR101140	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/5/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28225	SR101142	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/14/1978	7/9/2003	5/11/1999	7/9/2003	11/3/1999			FALSE	TRUE	TRUE					
28226	SR101143	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/19/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28227	SR101144	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/19/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28228	SR101145	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/19/1978	10/9/2003	5/12/1999	10/9/2003	11/4/1999			FALSE	TRUE	TRUE					
28229	SR101146	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/19/1978	11/15/2005	5/26/1999	11/15/2005	11/18/1999			FALSE	TRUE	TRUE					
28230	SR101147	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/19/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28231	SR101148	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/19/1978		5/26/1999		11/18/1999			FALSE	TRUE	TRUE					
28232	SR101149	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/19/1978	1/31/2006	5/6/1999	1/31/2006	10/29/1999			FALSE	TRUE	TRUE					
28233	SR101150	SSG	EMPLACED_CNTR	7/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/28/1978		5/4/1999		10/27/1999			FALSE	TRUE	TRUE					
28234	SR101151	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/26/1978		5/6/1999		10/29/1999			FALSE	TRUE	TRUE					
28235	SR101152	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/26/1978	6/9/2003	5/4/1999	6/9/2003	10/27/1999			FALSE	TRUE	TRUE					
28236	SR101153	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/26/1978		5/4/1999		10/27/1999			FALSE	TRUE	TRUE					
28237	SR101154	SSG	EMPLACED_CNTR	1/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/26/1978		5/4/1999		10/29/1999			FALSE	TRUE	TRUE					
28238	SR101155	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/26/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28239	SR101156	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	V&P Purge	0	9/26/1978	9/26/1978	5/20/1999	10/8/2003	11/12/1999			FALSE	TRUE	TRUE					
28240	SR101157	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/26/1978	4/28/2003	5/20/1999	4/28/2003	11/12/1999			FALSE	TRUE	TRUE					
28241	SR101158	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	9/26/1978		5/20/1999		11/12/1999			FALSE	TRUE	TRUE					
28242	SR101160	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/3/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28243	SR101161	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/3/1978	4/17/2004	5/24/1999	4/17/2004	11/16/1999			FALSE	TRUE	TRUE					
28244	SR101162	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/3/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28245	SR101163	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/3/1978		5/12/1999		11/4/1999			FALSE	TRUE	TRUE					
28246	SR101164	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/3/1978	6/20/2003	5/24/1999	6/20/2003	11/16/1999			FALSE	TRUE	TRUE					
28247	SR101165	SSG	EMPLACED_CNTR	6/1/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/3/1978	9/26/2006	5/24/1999	9/26/2006	11/16/1999			FALSE	TRUE	TRUE					
28248	SR101165A	SSG	EMPLACED_CNTR	6/26/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1		6/4/2006		6/4/2006											
28249	SR101166	SSG	EMPLACED_CNTR	6/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/4/1999		10/27/1999			FALSE	TRUE	TRUE					
28250	SR101167	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		4/29/1999		10/22/1999			FALSE	TRUE	TRUE					
28251	SR101168	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28252	SR101169	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/12/1978	3/15/2004	5/4/1999	3/15/2004	10/27/1999			FALSE	TRUE	TRUE					
28253	SR101170	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28254	SR101171	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28255	SR101172	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/24/1999		11/16/1999			FALSE	TRUE	TRUE					
28256	SR101173	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/12/1978	4/13/2006	5/3/1999	4/13/2006	10/26/1999			FALSE	TRUE	TRUE					
28257	SR101174	SSG	EMPLACED_CNTR	8/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/12/1978	4/6/2004	5/3/1999	4/6/2004	10/26/1999			FALSE	TRUE	TRUE					
28258	SR101174A	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1		4/6/2004		4/6/2004											
28259	SR101175	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28260	SR101176	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/12/1978	3/28/2003	4/29/1999	3/28/2003	10/22/1999			FALSE	TRUE	TRUE					
28261	SR101177	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/12/1978	4/2/2004	5/24/1999	4/2/2004	11/16/1999			FALSE	TRUE	TRUE					
28262	SR101178	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/12/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28263	SR101180	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/26/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28264	SR101181	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	10/26/1978	5/2/2004	11/2/1999	5/2/2004	4/25/2000			FALSE	TRUE	TRUE					
28265	SR101183	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/26/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28266	SR101185	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	10/26/1978		5/3/1999		10/26/1999			FALSE	TRUE	TRUE					
28267	SR101188	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	11/2/1978	10/13/2003	5/4/1999	10/13/2003	10/27/1999			FALSE	TRUE	TRUE					
28268	SR101189	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/2/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28269	SR101190	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	11/7/1978	10/4/2003	5/13/1999	10/4/2003	11/5/1999			FALSE	TRUE	TRUE					
28270	SR101191	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/13/1999		11/5/1999			FALSE	TRUE	TRUE					
28271	SR101192	SSG	EMPLACED_CNTR	12/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
28272	SR101193	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28273	SR101194	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/13/1999		11/5/1999			FALSE	TRUE	TRUE					
28274	SR101195	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	11/7/1978	6/7/2003	5/24/1999	6/7/2003	11/16/1999			FALSE	TRUE	TRUE					
28275	SR101196	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28276	SR101197	SSG	EMPLACED_CNTR	12/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/7/1978		5/5/1999		10/28/1999			FALSE	TRUE	TRUE					
28277	SR101198	SSG	EMPLACED_CNTR	11/11/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/2/1978		5/4/1999		10/27/1999			FALSE	TRUE	TRUE					
28278	SR101199	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	11/2/1978		5/17/1999		11/9/1999			FALSE	TRUE	TRUE					
28279	SR109882	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/10/1979		12/6/1999		5/30/2000			FALSE	TRUE	TRUE					
28280	SR109885	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	5/10/1979	9/20/2003	7/13/1999	9/20/2003	1/5/2000			FALSE	TRUE	TRUE					
28281	SR109886	SSG	EMPLACED_CNTR	10/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	5/10/1979	3/26/2008	10/28/1999	3/26/2008	4/21/2000			FALSE	TRUE	TRUE					
28282	SR109887	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/10/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28283	SR109888	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/10/1979		11/1/1999		4/25/2000			FALSE	TRUE	TRUE					
28284	SR109890	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/15/1979		10/28/1999		4/21/2000			FALSE	TRUE	TRUE					
28285	SR109893	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/22/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
28286	SR109895	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300		0	5/22/1979		10/28/1999		4/21/2000			FALSE	TRUE	TRUE					
28287	SR109896	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	5/22/1979	3/5/2003	7/14/1999	3/5/2003	1/6/2000			FALSE	TRUE	TRUE					
28288	SR109896A	SSG	EMPLACED_CNTR	8/14/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	$5300	Remediate	1		3/5/2003		3/5/2003											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28289	SR109897	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1979		10/28/1999		4/21/2000			FALSE	TRUE	TRUE					
28290	SR109898	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1979	8/5/2003	10/27/1999	8/5/2003	4/20/2000			FALSE	TRUE	TRUE					
28291	SR109899	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1979	7/28/2003	7/13/1999	7/28/2003	1/5/2000			FALSE	TRUE	TRUE					
28292	SR109900	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
28293	SR109901	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1979		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28294	SR109902	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1979	10/26/2003	11/29/1999	10/26/2003	5/23/2000			FALSE	TRUE	TRUE					
28295	SR109905	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1979	4/4/2004	7/15/1999	4/4/2004	1/7/2000			FALSE	TRUE	TRUE					
28296	SR109906	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1979	8/13/2003	8/23/1999	8/13/2003	2/15/2000			FALSE	TRUE	TRUE					
28297	SR109907	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	6/5/1979	6/5/1979	8/23/1999	10/14/2003	2/15/2000			FALSE	TRUE	TRUE					
28298	SR109908	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1979		10/27/1999		4/20/2000			FALSE	TRUE	TRUE					
28299	SR109909	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1979		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
28300	SR109910	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1979		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
28301	SR109913	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/19/1979	8/4/2003	8/24/1999	8/4/2003	2/16/2000			FALSE	TRUE	TRUE					
28302	SR109914	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/19/1979		8/23/1999		2/15/2000			FALSE	TRUE	TRUE					
28303	SR109915	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/19/1979	4/26/2007	11/30/1999	4/26/2007	5/24/2000			FALSE	TRUE	TRUE					
28304	SR109915A	SSG	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/26/2007		4/26/2007		10/19/2007			TRUE	TRUE	TRUE					
28305	SR109915B	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300			4/26/2007		4/26/2007					TRUE	TRUE	TRUE					
28306	SR109916	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/19/1979	3/15/2006	8/23/1999	3/15/2006	2/15/2000			FALSE	TRUE	TRUE					
28307	SR109916A	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	remediate	1		3/15/2006		3/15/2006											
28308	SR109917	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/19/1979		7/14/1999		1/6/2000			FALSE	TRUE	TRUE					
28309	SR109918	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/19/1979	4/28/2007	7/14/1999	4/28/2007	1/6/2000			FALSE	TRUE	TRUE					
28310	SR109919	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/19/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
28311	SR109923	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/3/1979		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
28312	SR109924	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/3/1979		8/4/1999		1/27/2000			FALSE	TRUE	TRUE					
28313	SR109925	SSG	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	7/12/1979	7/12/1979	8/23/1999	9/28/2003	2/15/2000			FALSE	TRUE	TRUE					
28314	SR109926	SSG	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/12/1979	9/25/2006	11/3/1999	9/25/2006	4/27/2000			FALSE	TRUE	TRUE					
28315	SR109927	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/12/1979		8/17/1999		2/9/2000			FALSE	TRUE	TRUE					
28316	SR109928	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/12/1979	10/5/2003	8/19/1999	10/5/2003	2/11/2000			FALSE	TRUE	TRUE					
28317	SR109929	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/12/1979	7/28/2003	8/5/1999	7/28/2003	1/28/2000			FALSE	TRUE	TRUE					
28318	SR109932	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		8/4/1999		1/27/2000			FALSE	TRUE	TRUE					
28319	SR109933	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		10/21/1999		4/14/2000			FALSE	TRUE	TRUE					
28320	SR109934	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
28321	SR109935	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28322	SR109936	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		8/23/1999		2/15/2000			FALSE	TRUE	TRUE					
28323	SR109937	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1979		8/4/1999		1/27/2000			FALSE	TRUE	TRUE					
28324	SR109940	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	11/11/2006	10/19/1999	11/11/2006	4/12/2000			FALSE	TRUE	TRUE					
28325	SR109941	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	5/5/2003	8/5/1999	5/5/2003	1/28/2000			FALSE	TRUE	TRUE					
28326	SR109942	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/2/1979		10/19/1999		4/12/2000			FALSE	TRUE	TRUE					
28327	SR109943	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	6/16/2003	10/21/1999	6/16/2003	4/14/2000			FALSE	TRUE	TRUE					
28328	SR109944	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	5/18/2006	8/10/1999	5/18/2006	2/2/2000			FALSE	TRUE	TRUE					
28329	SR109945	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/2/1979		8/17/1999		2/9/2000			FALSE	TRUE	TRUE					
28330	SR109946	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/2/1979		8/9/1999		2/1/2000			FALSE	TRUE	TRUE					
28331	SR109948	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/2/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28332	SR109949	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	5/14/2003	10/21/1999	5/14/2003	4/14/2000			FALSE	TRUE	TRUE					
28333	SR109950	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	4/21/2003	8/19/1999	4/21/2003	2/2/2000			FALSE	TRUE	TRUE					
28334	SR109951	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	5/7/2003	10/18/1999	5/7/2003	4/11/2000			FALSE	TRUE	TRUE					
28335	SR109952	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1979	5/1/2003	8/25/1999	5/1/2003	2/17/2000			FALSE	TRUE	TRUE					
28336	SR109953	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/14/1979		8/19/1999		2/11/2000			FALSE	TRUE	TRUE					
28337	SR109954	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/14/1979		10/18/1999		4/11/2000			FALSE	TRUE	TRUE					
28338	SR109955	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/14/1979		10/18/1999		4/11/2000			FALSE	TRUE	TRUE					
28339	SR109956	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/14/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28340	SR109957	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/14/1979	3/26/2004	10/19/1999	3/26/2004	4/12/2000			FALSE	TRUE	TRUE					
28341	SR109958	SSG	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/14/1979		8/10/1999		2/2/2000			FALSE	TRUE	TRUE					
28342	SR109959	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/14/1979	5/10/2006	8/16/1999	5/10/2006	2/8/2000			FALSE	TRUE	TRUE					
28343	SR109961A	SLB2	APPROVED_CERT		9/12/2012 15:52	mccabed	SR-WO27-FB-PRE86-C	SS300		0	5/2/2012		5/2/2012	9/5/2012		Contents of Steel Box placed into SLB2 per NDP-221-H-8827; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013	- Rpkgd was SR109961	FALSE	TRUE	TRUE			SR109961		NA
28344	SR109966	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/30/1999		2/2/2000			FALSE	TRUE	TRUE					
28345	SR109967	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/12/1999		2/4/2000			FALSE	TRUE	TRUE					
28346	SR109968	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/9/1999		2/1/2000			FALSE	TRUE	TRUE					
28347	SR109969	SSG	EMPLACED_CNTR		4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		12/31/1999		6/24/2000			FALSE	TRUE	TRUE					
28348	SR109970	SSG	EMPLACED_CNTR	2/16/2011 21:47	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	0	8/28/1979	1/28/2010	12/1/1999	1/28/2010	5/25/2000			FALSE	TRUE	TRUE					
28349	SR109971	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		10/21/1999		4/14/2000			FALSE	TRUE	TRUE					
28350	SR109972	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
28351	SR109973	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/28/1979	6/24/2003	8/16/1999	6/24/2003	2/8/2000			FALSE	TRUE	TRUE					
28352	SR109974	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/28/1979	9/18/2003	8/10/1999	9/18/2003	2/2/2000			FALSE	TRUE	TRUE					
28353	SR109975	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
28354	SR109976	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/23/1999		2/15/2000			FALSE	TRUE	TRUE					
28355	SR109977	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/28/1979		8/12/1999		2/4/2000			FALSE	TRUE	TRUE					
28356	SR109979	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/28/1979	5/12/2003	8/12/1999	5/12/2003	2/4/2000			FALSE	TRUE	TRUE					
28357	SR109981	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/6/1979	7/28/2003	8/10/1999	7/28/2003	2/2/2000			FALSE	TRUE	TRUE					
28358	SR109982	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	9/6/1979		10/21/1999		4/14/2000			FALSE	TRUE	TRUE					
28359	SR109983	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	9/6/1979	9/6/1979	10/21/1999	11/12/2006	4/14/2000			FALSE	TRUE	TRUE					
28360	SR109984	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/6/1979	7/25/2003	8/18/1999	7/25/2003	2/2/2000			FALSE	TRUE	TRUE					
28361	SR109985	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/18/1979	6/20/2003	10/20/1999	6/20/2003	4/13/2000			FALSE	TRUE	TRUE					
28362	SR109986	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	9/18/1979		12/7/1999		5/31/2000			FALSE	TRUE	TRUE					
28363	SR109987	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	9/18/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28364	SR109988	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	9/18/1979		10/21/1999		4/14/2000			FALSE	TRUE	TRUE					
28365	SR109989	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/18/1979	5/1/2003	10/19/1999	5/1/2003	4/12/2000			FALSE	TRUE	TRUE					
28366	SR109990	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	9/18/1979		10/21/1999		4/14/2000			FALSE	TRUE	TRUE					
28367	SR109991	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	9/18/1979	9/18/1979	10/20/1999	10/8/2003	4/13/2000			FALSE	TRUE	TRUE					
28368	SR109992	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/2/1979		10/25/1999		4/18/2000			FALSE	TRUE	TRUE					
28369	SR109993	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/2/1979		10/26/1999		4/19/2000			FALSE	TRUE	TRUE					
28370	SR109994	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/2/1979	5/18/2006	10/28/1999	5/18/2006	4/21/2000			FALSE	TRUE	TRUE					
28371	SR109995	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/2/1979		5/27/1999		11/19/1999			FALSE	TRUE	TRUE					
28372	SR109996	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/2/1979	10/7/2003	10/20/1999	10/7/2003	4/13/2000			FALSE	TRUE	TRUE					
28373	SR109997	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/2/1979		8/16/1999		2/8/2000			FALSE	TRUE	TRUE					
28374	SR109998	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WMIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/2/1979	6/8/2006	8/7/1999	6/8/2006	11/30/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28375	SR109999	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/2/1979	11/13/2006	8/24/1999	11/13/2006	2/16/2000			FALSE	TRUE	TRUE					
28376	SR109999A	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		11/13/2006		11/13/2006											
28377	SR110000	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/14/1979		8/19/1999		4/11/2000			FALSE	TRUE	TRUE					
28378	SR116100	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/2/1979	3/3/2003	10/20/1999	3/3/2003	4/13/2000			FALSE	TRUE	TRUE					
28379	SR116101	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/2/1979		10/25/1999		4/18/2000			FALSE	TRUE	TRUE					
28380	SR116102	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/2/1979		10/20/1999		4/13/2000			FALSE	TRUE	TRUE					
28381	SR116103	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/6/1979		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
28382	SR116104	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/6/1979		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28383	SR116105	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28384	SR116106	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	2/3/2004	10/24/1995	2/3/2004	4/17/1996			FALSE	TRUE	TRUE					
28385	SR116107	SSG	EMPLACED_CNTR	1/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28386	SR116108	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	7/14/2003	8/16/1995	7/14/2003	2/8/1996			FALSE	TRUE	TRUE					
28387	SR116109	SSG	EMPLACED_CNTR	7/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		8/15/1995		2/7/1996			FALSE	TRUE	TRUE					
28388	SR116110	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	4/30/2003	8/15/1995	4/30/2003	3/7/1996			FALSE	TRUE	TRUE					
28389	SR116111	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		8/11/1995		2/3/1996			FALSE	TRUE	TRUE					
28390	SR116112	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/5/1979	4/24/2003	3/26/1998	4/24/2003	9/18/1998			FALSE	TRUE	TRUE					
28391	SR116113	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28392	SR116114	SSG	EMPLACED_CNTR	3/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/20/1979	4/27/2006	5/11/1998	4/27/2006	11/4/1998			FALSE	TRUE	TRUE					
28393	SR116115	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/20/1979		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28394	SR116120	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/20/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28395	SR116121	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/20/1979		9/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28396	SR116127	SSG	EMPLACED_CNTR	11/2/2092	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1980		3/31/1998		9/15/1998			FALSE	TRUE	TRUE					
28397	SR116128	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/1/1979		8/16/1995		2/8/1996			FALSE	TRUE	TRUE					
28398	SR116129	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/1/1979		10/20/1995		4/13/1996			FALSE	TRUE	TRUE					
28399	SR116130	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/1/1979		8/15/1995		2/7/1996			FALSE	TRUE	TRUE					
28400	SR116131	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/1/1979	7/23/2003	8/11/1995	7/23/2003	2/3/1996			FALSE	TRUE	TRUE					
28401	SR116132	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/1/1979		8/15/1995		2/7/1996			FALSE	TRUE	TRUE					
28402	SR116133	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	6/18/2004	8/11/1995	6/18/2004	2/3/1996			FALSE	TRUE	TRUE					
28403	SR116134	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	4/30/2003	10/24/1995	4/30/2003	4/17/1996			FALSE	TRUE	TRUE					
28404	SR116135	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		8/11/1995		2/3/1996			FALSE	TRUE	TRUE					
28405	SR116136	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		8/15/1995		2/7/1996			FALSE	TRUE	TRUE					
28406	SR116137	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28407	SR116138	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28408	SR116139	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		8/16/1995		2/8/1996			FALSE	TRUE	TRUE					
28409	SR116140	SSG	EMPLACED_CNTR	7/28/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	3/27/2004	8/15/1995	3/27/2004	2/7/1996			FALSE	TRUE	TRUE					
28410	SR116141	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/11/1979		10/20/1995		4/15/1996			FALSE	TRUE	TRUE					
28411	SR116142	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	7/14/2003	8/16/1995	7/14/2003	2/10/1996			FALSE	TRUE	TRUE					
28412	SR116143	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/18/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28413	SR116144	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/18/1979	2/19/2006	10/25/1995	2/19/2006	4/18/1996			FALSE	TRUE	TRUE					
28414	SR116145	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/18/1979		10/25/1995		4/18/1996			FALSE	TRUE	TRUE					
28415	SR116146	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/18/1979		10/24/1995		4/17/1996			FALSE	TRUE	TRUE					
28416	SR116147	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/19/1979		8/15/1995		2/7/1996			FALSE	TRUE	TRUE					
28417	SR116150	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		4/16/1998		10/9/1998			FALSE	TRUE	TRUE					
28418	SR116151	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		2/25/1998		8/20/1998			FALSE	TRUE	TRUE					
28419	SR116152	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		9/26/1997		3/11/1998			FALSE	TRUE	TRUE					
28420	SR116153	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28421	SR116154	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	4/14/2004	3/4/1998	4/14/2004	8/27/1998			FALSE	TRUE	TRUE					
28422	SR116155	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28423	SR116156	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	7/10/2003	4/15/1998	7/10/2003	10/8/1998			FALSE	TRUE	TRUE					
28424	SR116157	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		4/16/1998		10/9/1998			FALSE	TRUE	TRUE					
28425	SR116158	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	4/22/2003	3/2/1998	4/22/2003	9/25/1998			TRUE	TRUE	TRUE					
28426	SR116158A	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	4/22/2003	4/22/2003	4/22/2003	10/24/2006	10/15/2003			FALSE	TRUE	TRUE					
28427	SR116159	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	4/21/2003	4/16/1998	4/21/2003	10/9/1998			FALSE	TRUE	TRUE					
28428	SR116160	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	5/26/2006	4/15/1998	5/26/2006	10/8/1998			FALSE	TRUE	TRUE					
28429	SR116161	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	7/2/2003	3/4/1998	7/2/2003	8/27/1998			FALSE	TRUE	TRUE					
28430	SR116162	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/4/1998		8/26/1998			FALSE	TRUE	TRUE					
28431	SR116163	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28432	SR116164	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	9/20/2003	3/4/1998	9/20/2003	8/27/1998			FALSE	TRUE	TRUE					
28433	SR116165	SSG	EMPLACED_CNTR	11/1/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		2/23/1998		8/18/1998			FALSE	TRUE	TRUE					
28434	SR116166	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28435	SR116167	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28436	SR116168	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	6/18/2001	4/8/1998	6/18/2003	10/1/1998			FALSE	TRUE	TRUE					
28437	SR116169	SSG	EMPLACED_CNTR	4/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28438	SR116170	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28439	SR116171	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/3/1998		8/26/1998			FALSE	TRUE	TRUE					
28440	SR116172	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28441	SR116173	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
28442	SR116174	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	5/8/2003	3/4/1998	5/8/2003	8/27/1998			FALSE	TRUE	TRUE					
28443	SR116175	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/3/1998		8/26/1998			FALSE	TRUE	TRUE					
28444	SR116176	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28445	SR116177	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/29/1979		4/15/1998		10/8/1998			FALSE	TRUE	TRUE					
28446	SR116178	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	8/9/2003	3/4/1998	8/9/2003	8/27/1998			FALSE	TRUE	TRUE					
28447	SR116179	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/29/1979	1/18/2004	4/15/1998	1/18/2004	10/8/1998			FALSE	TRUE	TRUE					
28448	SR116181	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28449	SR116182	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
28450	SR116183	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
28451	SR116184	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/5/1979	12/7/2003	3/3/1998	12/7/2003	8/26/1998			FALSE	TRUE	TRUE					
28452	SR116185	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28453	SR116186	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/6/1979	12/6/1979	5/11/1998	10/31/2006	11/4/1998			FALSE	TRUE	TRUE					
28454	SR116187	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/6/1979		5/21/1998		11/13/1998			FALSE	TRUE	TRUE					
28455	SR116188	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/6/1979		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
28456	SR116189	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28457	SR116190	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/5/1998		8/26/1998			FALSE	TRUE	TRUE					
28458	SR116191	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28459	SR116192	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/5/1979	1/27/2006	3/4/1998	1/27/2006	8/27/1998			FALSE	TRUE	TRUE					
28460	SR116193	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28461	SR116194	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28462	SR116195	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/5/1979		4/15/1998		10/8/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28463	SR116196	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/5/1979		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28464	SR116197	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/5/1979		3/3/1998		8/26/1998			FALSE	TRUE	TRUE					
28465	SR116198	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/5/1979		4/15/1998		10/8/1998			FALSE	TRUE	TRUE					
28466	SR116199	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/6/1979	7/8/2003	5/12/1998	7/8/2003	11/4/1998			FALSE	TRUE	TRUE					
28467	SR117905	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/29/1980	6/23/2003	3/2/1998	6/23/2003	8/25/1998			FALSE	TRUE	TRUE					
28468	SR117906	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/23/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28469	SR117907	SSG	EMPLACED_CNTR	7/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/29/1980	10/20/2005	4/15/1998	10/20/2005	10/8/1998			FALSE	TRUE	TRUE					
28470	SR117908	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/29/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28471	SR117909	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/29/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28472	SR117910	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/29/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28473	SR117911	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/29/1980		3/16/1998		9/8/1998			FALSE	TRUE	TRUE					
28474	SR117912	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/1/1980	5/6/2003	3/18/1998	5/6/2003	9/10/1998			FALSE	TRUE	TRUE					
28475	SR117913	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/1/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28476	SR117914	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/1/1980		4/2/1998		9/25/1998			FALSE	TRUE	TRUE					
28477	SR117915	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		10/29/1997		4/23/1998			FALSE	TRUE	TRUE					
28478	SR117916	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28479	SR117917	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28480	SR117918	SSG	EMPLACED_CNTR	5/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28481	SR117920	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/5/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28482	SR117921	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/5/1980		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28483	SR117922	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/5/1980	4/28/2007	3/13/1998	4/28/2007	9/15/1998			TRUE	TRUE	TRUE					
28484	SR117922A	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/2007		4/28/2007		10/1/2007			FALSE	TRUE	TRUE					
28485	SR117923	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/5/1980	6/4/2004	3/18/1998	6/4/2004	9/10/1998			FALSE	TRUE	TRUE					
28486	SR117923A	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		1/18/2004		1/18/2004											
28487	SR117924	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28488	SR117925	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/12/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28489	SR117926	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/6/1979	5/6/2003	5/12/1998	5/6/2003	11/4/1998			FALSE	TRUE	TRUE					
28490	SR117927	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28491	SR117928	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/6/1979	2/1/2004	3/26/1998	2/1/2004	9/18/1998			FALSE	TRUE	TRUE					
28492	SR117929	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28493	SR117930	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
28494	SR117931	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
28495	SR117932	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/6/1979	5/1/2003	3/31/1998	5/1/2003	9/23/1998			FALSE	TRUE	TRUE					
28496	SR117933	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
28497	SR117934	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28498	SR117935	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28499	SR117936	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/6/1979		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28500	SR117938	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1979		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28501	SR117939	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1979		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
28502	SR117940	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1979		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28503	SR117941	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1979		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
28504	SR117942	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1979		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
28505	SR117943	SSG	EMPLACED_CNTR	3/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/11/1979	7/8/2003	5/19/1998	7/8/2003	11/11/1998			FALSE	TRUE	TRUE					
28506	SR117944	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/8/1980	3/31/2003	3/31/1998	3/31/2003	9/23/1998			FALSE	TRUE	TRUE					
28507	SR117945	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/8/1980	9/30/2003	4/13/1998	9/30/2003	10/6/1998			FALSE	TRUE	TRUE					
28508	SR117946	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/8/1980		5/14/1998		11/4/1998			FALSE	TRUE	TRUE					
28509	SR117947	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/8/1980		2/19/1998		8/14/1998			FALSE	TRUE	TRUE					
28510	SR117948	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/8/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28511	SR117949	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
28512	SR117950	SSG	EMPLACED_CNTR	1/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		2/19/1998		8/14/1998			FALSE	TRUE	TRUE					
28513	SR117951	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28514	SR117952	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	7/7/2003	3/30/1998	7/7/2003	9/22/1998			FALSE	TRUE	TRUE					
28515	SR117954	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28516	SR117955	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	6/10/2006	3/5/1998	6/10/2006	8/28/1998			FALSE	TRUE	TRUE					
28517	SR117956	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	7/28/2003	3/18/1998	7/28/2003	9/10/1998			FALSE	TRUE	TRUE					
28518	SR117957	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		4/1/1998		9/24/1998			FALSE	TRUE	TRUE					
28519	SR117958	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	10/5/2003	4/13/1998	10/5/2003	10/6/1998			FALSE	TRUE	TRUE					
28520	SR117959	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	4/6/2004	5/14/1998	4/6/2004	11/6/1998			FALSE	TRUE	TRUE					
28521	SR117960	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28522	SR117961	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28523	SR117962	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	4/1/2003	5/18/1998	4/1/2003	11/10/1998			FALSE	TRUE	TRUE					
28524	SR117963	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1980	9/30/2003	4/8/1998	9/30/2003	10/1/1998			FALSE	TRUE	TRUE					
28525	SR117964	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1980		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28526	SR117965	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28527	SR117966	SSG	EMPLACED_CNTR	5/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
28528	SR117967	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28529	SR117968	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		2/19/1998		8/14/1998			FALSE	TRUE	TRUE					
28530	SR117969	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28531	SR117970	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/17/1980	7/11/2003	5/6/1998	7/11/2003	10/29/1998			FALSE	TRUE	TRUE					
28532	SR117971	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28533	SR117972	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		5/13/1998		11/5/1998			FALSE	TRUE	TRUE					
28534	SR117973	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28535	SR117974	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28536	SR117975	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/17/1980	11/12/2003	3/4/1998	11/12/2003	8/27/1998			FALSE	TRUE	TRUE					
28537	SR117976	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/17/1980	4/28/2003	3/5/1998	4/28/2003	8/28/1998			FALSE	TRUE	TRUE					
28538	SR117977	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/17/1980	6/9/2003	3/4/1998	6/9/2003	8/27/1998			FALSE	TRUE	TRUE					
28539	SR117978	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/17/1980	10/3/2003	5/14/1998	10/3/2003	11/6/1998			FALSE	TRUE	TRUE					
28540	SR117979	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/17/1980		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
28541	SR117980	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		5/14/1998		11/4/1998			FALSE	TRUE	TRUE					
28542	SR117981	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/23/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28543	SR117982	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28544	SR117983	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28545	SR117984	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		2/25/1998		8/20/1998			FALSE	TRUE	TRUE					
28546	SR117985	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/23/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28547	SR117986	SSG	EMPLACED_CNTR	9/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/23/1980	4/15/2006	4/29/1998	4/15/2006	10/22/1998			FALSE	TRUE	TRUE					
28548	SR117987	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/24/1980	5/12/2003	5/20/1998	5/12/2003	11/12/1998			FALSE	TRUE	TRUE					
28549	SR117988	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28550	SR117989	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/24/1980		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28551	SR117990	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1980	3/27/3003	5/20/1998	3/27/2003	11/12/1998			FALSE	TRUE	TRUE					
28552	SR117991	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	TAG-01	0	1/24/1980	1/29/2004	5/18/1998	1/29/2004	9/10/1998			FALSE	TRUE	TRUE					
28553	SR117992	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1980		5/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28554	SR117993	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1980	10/12/2003	5/18/1998	10/12/2003	11/10/1998			FALSE	TRUE	TRUE					
28555	SR117994	SSG	EMPLACED_CNTR	4/26/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/29/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28556	SR117995	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/29/1980		5/18/1998		11/10/1998			FALSE	TRUE	TRUE					
28557	SR117996	SSG	EMPLACED_CNTR	2/18/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/29/1980		3/17/1998		9/9/1998			FALSE	TRUE	TRUE					
28558	SR117997	SSG	EMPLACED_CNTR	11/18/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/29/1980	4/21/2003	4/15/1998	4/21/2003	10/8/1998			FALSE	TRUE	TRUE					
28559	SR117998	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/29/1980	9/24/2003	3/17/1998	9/24/2003	9/9/1998			FALSE	TRUE	TRUE					
28560	SR117999	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/29/1980	4/21/2003	2/24/1998	4/21/2003	8/19/1998			FALSE	TRUE	TRUE					
28561	SR118000	SSG	EMPLACED_CNTR	2/27/2011 12:44	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	0	1/29/1980	1/29/2010	2/25/1998	1/29/2010	8/20/1998			FALSE	TRUE	TRUE					
28562	SR118001	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/29/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28563	SR118193	SSG	EMPLACED_CNTR	1/11/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/14/1997		4/10/1998			FALSE	TRUE	TRUE					
28564	SR118194	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28565	SR118195	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28566	SR118199	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	11/10/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
28567	SR118200	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/10/1980	5/6/2003	10/15/1997	5/6/2003	4/9/1998			FALSE	TRUE	TRUE					
28568	SR118201	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	11/10/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
28569	SR118202	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/10/1980	4/16/2004	10/14/1997	4/16/2004	4/8/1998			FALSE	TRUE	TRUE					
28570	SR118243	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	11/12/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
28571	SR118244	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/13/1980	7/25/2003	10/8/1997	7/25/2003	4/2/1998			FALSE	TRUE	TRUE					
28572	SR118245	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/20/1980	10/3/2003	10/13/1997	10/3/2003	4/7/1998			FALSE	TRUE	TRUE					
28573	SR118246	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	11/20/1980		10/9/1997		4/3/1998			FALSE	TRUE	TRUE					
28574	SR118247	SSG	EMPLACED_CNTR	1/11/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	11/20/1980		10/9/1997		4/3/1998			FALSE	TRUE	TRUE					
28575	SR118248	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/2/1980		10/8/1997		4/2/1998			FALSE	TRUE	TRUE					
28576	SR118249	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/2/1980	10/4/2003	10/6/1997	10/4/2003	3/31/1998			FALSE	TRUE	TRUE					
28577	SR118250	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/2/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
28578	SR118251	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/2/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
28579	SR118252	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/2/1980	1/7/2004	10/6/1997	1/7/2004	3/31/1998			FALSE	TRUE	TRUE					
28580	SR118253	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/9/1980	5/13/2003	10/7/1997	5/13/2003	4/1/1998			FALSE	TRUE	TRUE					
28581	SR118254	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
28582	SR118255	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
28583	SR118256	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		10/7/1997		4/1/1998			FALSE	TRUE	TRUE					
28584	SR118257	SSG	EMPLACED_CNTR	5/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		10/7/1997		4/1/1998			FALSE	TRUE	TRUE					
28585	SR118258	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		9/26/1997		3/31/1998			FALSE	TRUE	TRUE					
28586	SR118259	SSG	EMPLACED_CNTR	5/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/11/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
28587	SR118280	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/18/1980		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
28588	SR118261	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/16/1980	5/21/2003	10/6/1997	5/21/2003	3/31/1998			FALSE	TRUE	TRUE					
28589	SR118262	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/16/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
28590	SR118263	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/23/1980		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
28591	SR118264	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	12/23/1980		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28592	SR118265	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/23/1980	9/30/2003	9/26/1997	9/30/2003	3/21/1998			FALSE	TRUE	TRUE					
28593	SR118266	SSG	EMPLACED_CNTR	6/22/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/23/1980	4/3/2004	9/11/1997	4/3/2004	3/6/1998			FALSE	TRUE	TRUE					
28594	SR118268	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/6/1981	11/14/2003	9/10/1997	11/14/2003	3/5/1998			FALSE	TRUE	TRUE					
28595	SR118270	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/15/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
28596	SR118271	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/15/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
28597	SR118272	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/15/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
28598	SR118273	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/15/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
28599	SR118274	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/15/1981	7/21/2003	9/10/1997	7/21/2003	3/5/1998			FALSE	TRUE	TRUE					
28600	SR118275	SSG	EMPLACED_CNTR	2/3/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/15/1981	6/4/2003	9/10/1997	6/4/2003	3/5/1998			FALSE	TRUE	TRUE					
28601	SR118276	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/20/1981	6/7/2008	9/19/1997	6/7/2003	3/14/1998			FALSE	TRUE	TRUE					
28602	SR118277	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
28603	SR118278	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
28604	SR118279	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/20/1981	9/18/2003	9/9/1997	9/18/2003	3/4/1998			FALSE	TRUE	TRUE					
28605	SR118280	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
28606	SR118281	SSG	EMPLACED_CNTR	2/5/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
28607	SR118379	SSG	EMPLACED_CNTR	9/19/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	9/23/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28608	SR118380	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/23/1980	7/18/2003	10/20/1997	7/18/2003	4/14/1998			FALSE	TRUE	TRUE					
28609	SR118381	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	9/23/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28610	SR118382	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/23/1980	5/30/2003	10/20/1997	5/30/2003	4/14/1998			FALSE	TRUE	TRUE					
28611	SR118383	SSG	EMPLACED_CNTR	11/1/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	9/23/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28612	SR118384	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	9/23/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28613	SR118385	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	9/23/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28614	SR118386	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/9/1980	10/4/2003	10/16/1997	10/4/2003	4/10/1998			FALSE	TRUE	TRUE					
28615	SR118387	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/9/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28616	SR118388	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/9/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28617	SR118389	SSG	EMPLACED_CNTR	5/16/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/9/1980	7/1/2008	10/20/1997	7/1/2008	4/14/1998			TRUE	TRUE	TRUE					
28618	SR118389A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/1/2008		7/1/2008		12/24/2008			FALSE	TRUE	TRUE					
28619	SR118390	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/9/1980	5/2/2004	5/20/1998	5/2/2004	11/12/1998			FALSE	TRUE	TRUE					
28620	SR118391	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
28621	SR118392	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28622	SR118393	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28623	SR118394	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	10/15/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
28624	SR118395	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
28625	SR118396	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	1/20/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
28626	SR118397	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/20/1981	9/24/2003	9/8/1997	9/24/2003	3/3/1998			FALSE	TRUE	TRUE					
28627	SR118398	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	2/12/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28628	SR118851	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/12/1980	3/7/2004	3/24/1998	3/7/2004	9/16/1998			FALSE	TRUE	TRUE					
28629	SR118853	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/21/1980	5/19/2004	11/4/1997	5/19/2004	4/28/1998			FALSE	TRUE	TRUE					
28630	SR118854	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/21/1980	3/15/2004	3/24/1998	3/15/2004	9/16/1998			FALSE	TRUE	TRUE					
28631	SR118855	SSG	EMPLACED_CNTR	4/3/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/13/1980	6/4/2003	3/18/1998	6/4/2003	9/10/1998			FALSE	TRUE	TRUE					
28632	SR118856	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/13/1980	4/29/2003	4/7/1998	4/29/2003	9/30/1998			FALSE	TRUE	TRUE					
28633	SR118857	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	2/21/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28634	SR118858	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/21/1980	7/25/2003	3/23/1998	7/25/2003	9/15/1998			FALSE	TRUE	TRUE					
28635	SR118859	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/21/1980	5/5/2006	5/20/1998	5/5/2006	11/12/1998			FALSE	TRUE	TRUE					
28636	SR118860	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/13/1980	7/10/2003	5/4/1998	7/10/2003	10/27/1998			FALSE	TRUE	TRUE					
28637	SR118861	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	3/13/1980		3/23/1998		8/18/1998			FALSE	TRUE	TRUE					
28638	SR118862	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	3/13/1980		5/13/1998		11/5/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28639	SR118863	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		2/24/1998		8/19/1998			FALSE	TRUE	TRUE					
28640	SR118864	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		5/5/1998		10/28/1998			FALSE	TRUE	TRUE					
28641	SR118865	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		3/17/1998		9/8/1998			FALSE	TRUE	TRUE					
28642	SR118866	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	3/14/2006	3/2/1998	3/14/2006	8/25/1998			FALSE	TRUE	TRUE					
28643	SR118867	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28644	SR118868	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		5/13/1998		11/5/1998			FALSE	TRUE	TRUE					
28645	SR118869	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28646	SR118870A	SSG	EMPLACED_CNTR	3/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/1/2008	7/1/2008	7/1/2008	10/28/2008	12/24/2008			TRUE	TRUE	TRUE					
28647	SR118870B	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	7/1/2008	1/9/2010	7/1/2008	1/9/2010	12/24/2008			TRUE	TRUE	TRUE					
28648	SR118870C	SSG	EMPLACED_CNTR	4/26/2013 14:53	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/9/2010		1/9/2010		7/4/2010	SR118870B is the parent container		TRUE	TRUE	TRUE					
28649	SR118871	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
28650	SR118872	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28651	SR118873	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	1/31/2006	4/21/1998	1/31/2006	10/14/1998			FALSE	TRUE	TRUE					
28652	SR118874	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	7/9/2003	4/21/1998	7/9/2003	10/14/1998			FALSE	TRUE	TRUE					
28653	SR118875	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	12/13/2005	5/19/1998	12/13/2005	11/11/1998			FALSE	TRUE	TRUE					
28654	SR118876	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	5/6/2003	5/13/1998	5/6/2003	11/5/1998			FALSE	TRUE	TRUE					
28655	SR118877	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28656	SR118878	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		4/14/1998		10/7/1998			FALSE	TRUE	TRUE					
28657	SR118879	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/20/1980		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
28658	SR118880	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/13/1980	11/2/2003	2/24/1998	11/2/2003	8/19/1998			FALSE	TRUE	TRUE					
28659	SR118881	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/13/1980		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
28660	SR118883	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/20/1980		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
28661	SR118885	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	6/18/2005	5/18/1998	6/18/2005	11/10/1998			FALSE	TRUE	TRUE					
28662	SR118886	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
28663	SR118887	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28664	SR118888	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28665	SR118889	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/20/1980	6/4/2003	4/23/1998	6/4/2003	10/16/1998			FALSE	TRUE	TRUE					
28666	SR118889A	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/4/2003	6/4/2003	6/4/2003	6/4/2003	11/27/2003			TRUE	TRUE	TRUE					
28667	SR118890	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	9/21/2003	4/28/1998	9/21/2003	10/21/1998			FALSE	TRUE	TRUE					
28668	SR118891	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28669	SR118892	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	5/12/2003	5/6/1998	5/12/2003	10/29/1998			FALSE	TRUE	TRUE					
28670	SR118893	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/22/1998		10/15/1998			FALSE	TRUE	TRUE					
28671	SR118894	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28672	SR118895	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	6/11/2004	5/4/1998	6/11/2004	10/27/1998			FALSE	TRUE	TRUE					
28673	SR118896	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/23/1998		10/16/1998			FALSE	TRUE	TRUE					
28674	SR118897	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/23/1998		10/16/1998			FALSE	TRUE	TRUE					
28675	SR118898	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28676	SR118899	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28677	SR118900	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	12/16/2003	4/23/1998	12/16/2003	10/16/1998			FALSE	TRUE	TRUE					
28678	SR118901	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
28679	SR118902	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	5/5/2003	4/29/1998	5/5/2003	10/16/1998			FALSE	TRUE	TRUE					
28680	SR118903	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28681	SR118904	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
28682	SR118905	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	8/22/2003	4/23/1998	8/22/2003	10/16/1998			FALSE	TRUE	TRUE					
28683	SR118906	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28684	SR118907	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28685	SR118908	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28686	SR118909	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28687	SR118910	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
28688	SR118911	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/16/1998		10/5/1998			FALSE	TRUE	TRUE					
28689	SR118912	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	2/10/2004	5/6/1998	2/10/2004	10/29/1998			FALSE	TRUE	TRUE					
28690	SR118913	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28691	SR118914	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
28692	SR118915	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	3/4/2003	5/4/1998	3/4/2003	10/27/1998			FALSE	TRUE	TRUE					
28693	SR118916	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	11/23/2003	4/23/1998	11/23/2003	10/16/1998			FALSE	TRUE	TRUE					
28694	SR118917	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	3/28/2004	5/6/1998	3/28/2004	10/29/1998			FALSE	TRUE	TRUE					
28695	SR118918	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
28696	SR118919	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	4/15/2003	4/22/1998	4/15/2003	10/15/1998			FALSE	TRUE	TRUE					
28697	SR118919A	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/15/2003	4/15/2003	4/15/2003	4/15/2003	10/8/2003			TRUE	TRUE	TRUE					
28698	SR118920	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28699	SR118921	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
28700	SR118922	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	1/15/2004	4/30/1998	1/15/2004	10/23/1998			FALSE	TRUE	TRUE					
28701	SR118922A	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		1/15/2004		1/15/2004											
28702	SR118923	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/25/1980	4/2/2003	5/6/1998	4/2/2003	10/29/1998			FALSE	TRUE	TRUE					
28703	SR118924	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/27/1980	3/27/1980	5/6/1998	3/15/2004	10/29/1998			FALSE	TRUE	TRUE					
28704	SR118925	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	5/13/2003	4/23/1998	5/13/2003	10/16/1998			FALSE	TRUE	TRUE					
28705	SR118926	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		4/23/1998		10/16/1998			FALSE	TRUE	TRUE					
28706	SR118927	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	5/6/2003	4/23/1998	5/6/2003	10/16/1998			FALSE	TRUE	TRUE					
28707	SR118928	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	5/28/2004	4/30/1998	5/28/2004	10/23/1998			FALSE	TRUE	TRUE					
28708	SR118929	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/27/1980	3/27/1980	4/30/1998	10/14/2003	10/23/1998			FALSE	TRUE	TRUE					
28709	SR118930	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	3/31/2003	4/21/1998	3/31/2003	10/14/1998			FALSE	TRUE	TRUE					
28710	SR118931	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	10/14/2003	4/30/1998	10/14/2003	10/23/1998			FALSE	TRUE	TRUE					
28711	SR118932	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	3/9/2004	5/6/1998	3/9/2004	10/29/1998			FALSE	TRUE	TRUE					
28712	SR118933	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28713	SR118935	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28714	SR118936	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28715	SR118937	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/15/1998		10/8/1998			FALSE	TRUE	TRUE					
28716	SR118938	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28717	SR118939	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/1/1980	4/30/2003	3/23/1998	4/30/2003	9/15/1998			FALSE	TRUE	TRUE					
28718	SR118939A	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/30/2003	4/30/2003	4/30/2003	4/30/2003	10/23/2003			TRUE	TRUE	TRUE					
28719	SR118940	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28720	SR118941	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/15/1998		10/8/1998			FALSE	TRUE	TRUE					
28721	SR118942	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
28722	SR118943	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1980		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
28723	SR118944	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1980		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
28724	SR118946	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1980		5/13/1998		11/5/1998			FALSE	TRUE	TRUE					
28725	SR118947	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/3/1980	5/8/2003	4/20/1998	5/8/2003	10/13/1998			FALSE	TRUE	TRUE					
28726	SR118948	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/3/1980	1/17/2004	4/8/1998	1/17/2004	10/1/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28727	SR118948A	55G	EMPLACED_CNTR	9/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate			1/17/2004		1/17/2004											
28728	SR118949	55G	EMPLACED_CNTR	3/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/3/1980		4/23/1998		10/15/1998			FALSE	TRUE	TRUE					
28729	SR119701	55G	EMPLACED_CNTR	5/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/5/1979		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
28730	SR119702	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/5/1979		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
28731	SR119732	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/8/1980	4/22/2003	4/15/1998	4/22/2003	10/8/1998			FALSE	TRUE	TRUE					
28732	SR119740	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/6/1979	4/21/2003	4/15/1998	4/21/2003	10/8/1998			FALSE	TRUE	TRUE					
28733	SR119742	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/3/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28734	SR119743	55G	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/3/1980	6/6/2003	3/24/1998	6/6/2003	9/16/1998			FALSE	TRUE	TRUE					
28735	SR119743A	55G	EMPLACED_CNTR	6/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/6/2003	6/6/2003	6/6/2003	6/6/2003	11/29/2003			TRUE	TRUE	TRUE					
28736	SR119744	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/3/1980		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
28737	SR119745	55G	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/15/1980	3/30/2003	5/4/1998	3/30/2003	10/27/1998			FALSE	TRUE	TRUE					
28738	SR119746	55G	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/15/1980	6/3/2003	4/30/1998	6/3/2003	10/23/1998			FALSE	TRUE	TRUE					
28739	SR119747	55G	EMPLACED_CNTR	10/19/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/15/1980		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28740	SR119748	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/17/1980		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
28741	SR119749	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/17/1980	6/7/2003	4/30/1998	6/7/2003	10/23/1998			FALSE	TRUE	TRUE					
28742	SR119750	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/17/1980		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
28743	SR119751	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/22/1980	4/15/2003	3/23/1998	4/15/2003	9/15/1998			FALSE	TRUE	TRUE					
28744	SR119752	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/22/1980	4/22/1980	4/16/1998	6/1/2004	10/9/1998			FALSE	TRUE	TRUE					
28745	SR119753	55G	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
28746	SR119754	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28747	SR119755	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28748	SR119756	55G	EMPLACED_CNTR	3/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28749	SR119757	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/24/1998		9/16/1998			FALSE	TRUE	TRUE					
28750	SR119758	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/26/1998		9/18/1998			FALSE	TRUE	TRUE					
28751	SR118759	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28752	SR119760	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/22/1980	6/19/2003	4/8/1998	6/19/2003	10/1/1998			FALSE	TRUE	TRUE					
28753	SR119761	55G	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28754	SR119762	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
28755	SR119763	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28756	SR119764	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28757	SR119765	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/22/1998		10/15/1998			FALSE	TRUE	TRUE					
28758	SR119766	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
28759	SR119767	55G	EMPLACED_CNTR	8/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/22/1980	4/21/1980	3/26/1998	6/1/2004	9/18/1998			FALSE	TRUE	TRUE					
28760	SR119768	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/22/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28761	SR119769	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/22/1980	8/9/2003	3/25/1998	8/9/2003	9/17/1998			FALSE	TRUE	TRUE					
28762	SR119770	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/22/1980	12/18/2003	4/15/1998	12/18/2003	10/8/1998			FALSE	TRUE	TRUE					
28763	SR119771	55G	EMPLACED_CNTR	9/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/22/1980	3/26/2003	3/26/1998	3/26/2003	9/18/1998			FALSE	TRUE	TRUE					
28764	SR119772	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/29/1980	4/2/1980	3/24/1998	10/7/2003	9/16/1998			FALSE	TRUE	TRUE					
28765	SR119773	55G	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	4/6/2004	3/19/1998	4/6/2004	9/11/1998			FALSE	TRUE	TRUE					
28766	SR119774	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		9/15/1997		3/20/1998			FALSE	TRUE	TRUE					
28767	SR119775	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	5/8/2003	5/12/1998	5/8/2003	11/4/1998			FALSE	TRUE	TRUE					
28768	SR119776	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28769	SR119777	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28770	SR119778	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28771	SR118779	55G	EMPLACED_CNTR	11/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28772	SR119780	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28773	SR118781	55G	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	7/9/2003	5/20/1998	7/9/2003	11/12/1998			FALSE	TRUE	TRUE					
28774	SR119782	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	6/13/2003	3/19/1998	6/13/2003	9/11/1998			FALSE	TRUE	TRUE					
28775	SR120250	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/15/1980	4/1/2003	4/28/1998	4/1/2003	10/21/1998			FALSE	TRUE	TRUE					
28776	SR120252	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	55300	Remediate	1	7/24/1980	7/7/2003	4/30/1998	7/7/2003	10/23/1998			FALSE	TRUE	TRUE					
28777	SR120253	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/24/1980	6/15/2003	5/7/1998	6/15/2003	10/30/1998			FALSE	TRUE	TRUE					
28778	SR120254	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	55300		0	7/24/1980		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
28779	SR120255	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/5/1980		5/5/1998		10/18/1998			FALSE	TRUE	TRUE					
28780	SR120256	85G	EMPLACED_CNTR	2/14/2011 21:51	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	8/5/1980	1/29/2010	11/24/1998	1/29/2010	5/19/1999			FALSE	TRUE	TRUE					
28781	SR120257	55G	EMPLACED_CNTR	11/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/5/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
28782	SR120258	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/24/1980		5/7/1998		10/30/1998			FALSE	TRUE	TRUE					
28783	SR120259	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/5/1980	11/5/2003	4/30/1998	11/5/2003	10/23/1998			FALSE	TRUE	TRUE					
28784	SR120260	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	55300	Remediate	1	8/5/1980	4/2/2004	5/7/1998	4/2/2004	10/30/1998			FALSE	TRUE	TRUE					
28785	SR120261	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/5/1980		5/7/1998		10/30/1998			FALSE	TRUE	TRUE					
28786	SR120262	55G	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/7/1980	5/12/2003	4/30/1998	5/12/2003	10/23/1998			FALSE	TRUE	TRUE					
28787	SR120263	55G	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
28788	SR120264	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
28789	SR120265	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
28790	SR120266	85G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		11/13/1998		5/18/1999			FALSE	TRUE	TRUE					
28791	SR120267	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28792	SR120268	55G	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
28793	SR120271	55G	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/7/1980	7/18/2003	5/4/1998	7/18/2003	10/27/1998			FALSE	TRUE	TRUE					
28794	SR120272	55G	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/7/1980	8/7/1980	4/30/1998	10/31/2006	10/23/1998			FALSE	TRUE	TRUE					
28795	SR120273	55G	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/7/1980	4/27/2007	5/4/1998	4/27/2007	10/29/1998			FALSE	TRUE	TRUE					
28796	SR120273A	55G	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/27/2007		4/27/2007		10/30/2007			TRUE	TRUE	TRUE					
28797	SR120274	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
28798	SR120275	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/7/1980		4/30/1998		10/13/1998			FALSE	TRUE	TRUE					
28799	SR120276	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1980		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
28800	SR120277	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1980		4/29/1998		10/13/1998			FALSE	TRUE	TRUE					
28801	SR120278	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1980	4/12/2004	5/11/1998	4/12/2004	11/3/1998			FALSE	TRUE	TRUE					
28802	SR120279	55G	EMPLACED_CNTR	12/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1980	6/4/2004	5/7/1998	6/4/2004	10/30/1998			FALSE	TRUE	TRUE					
28803	SR120280	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/19/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28804	SR120281	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/19/1980		5/21/1998		11/13/1998			FALSE	TRUE	TRUE					
28805	SR120283	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/19/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28806	SR120284	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/19/1980		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
28807	SR120285	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/19/1980	7/28/2003	3/23/1998	7/28/2003	9/15/1998			FALSE	TRUE	TRUE					
28808	SR120286	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/28/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28809	SR120287	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/28/1980		4/22/1998		10/15/1998			FALSE	TRUE	TRUE					
28810	SR120288	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/28/1980		3/23/1998		9/15/1998			FALSE	TRUE	TRUE					
28811	SR120289	55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/28/1980	4/11/2003	3/19/1998	4/11/2003	9/11/1998			FALSE	TRUE	TRUE					
28812	SR120290	55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/9/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28813	SR120291	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/9/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28814	SR120292	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/9/1980	7/1/2003	10/27/1997	7/1/2003	4/11/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28815	SR120293	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/16/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28816	SR120294	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/9/1980		10/21/1997		4/17/1998			FALSE	TRUE	TRUE					
28817	SR120396	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/23/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28818	SR120297	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/16/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28819	SR120298	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/23/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28820	SR120299	55G	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/17/1980	4/5/2004	4/7/1998	4/5/2004	9/30/1998			FALSE	TRUE	TRUE					
28821	SR120300	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/19/1980		4/22/1998		10/15/1998			FALSE	TRUE	TRUE					
28822	SR120694	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1980		10/8/1997		4/2/1998			FALSE	TRUE	TRUE					
28823	SR120695	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/21/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28824	SR120696	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/23/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28825	SR120697	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/28/1980		10/13/1997		4/7/1998			FALSE	TRUE	TRUE					
28826	SR120698	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/28/1980	5/22/2003	10/13/1997	5/21/2003	4/7/1998			FALSE	TRUE	TRUE					
28827	SR120699	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1980		10/16/1997		4/10/1998			FALSE	TRUE	TRUE					
28828	SR121380	55G	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	4/6/2004	5/21/1998	4/6/2004	11/13/1998			FALSE	TRUE	TRUE					
28829	SR121381	55G	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	5/11/2004	3/25/1998	5/11/2004	9/17/1998			FALSE	TRUE	TRUE					
28830	SR121382	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		9/19/1996		9/11/1996			FALSE	TRUE	TRUE					
28831	SR121383	55G	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	6/10/2006	4/7/1998	6/10/2006	9/30/1998			FALSE	TRUE	TRUE					
28832	SR121384	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/29/1980	5/15/2003	5/12/1998	5/15/2003	11/4/1998			FALSE	TRUE	TRUE					
28833	SR121385	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/21/1998		11/13/1998			FALSE	TRUE	TRUE					
28834	SR121386	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
28835	SR121387	55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		3/24/1998		9/16/1998			FALSE	TRUE	TRUE					
28836	SR121388	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28837	SR121389	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/29/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
28838	SR121390	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/1/1980	7/29/2003	10/30/1997	7/29/2003	4/24/1998			FALSE	TRUE	TRUE					
28839	SR121391	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/1/1980		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
28840	SR121392	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/1/1980	6/7/2003	4/7/1998	6/7/2003	9/30/1998			TRUE	TRUE	TRUE					
28841	SR121392A	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/2003	6/7/2003	6/7/2003	6/7/2003	11/30/2003			FALSE	TRUE	TRUE					
28842	SR121394	55G	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/1/1980	7/21/2003	3/25/1998	7/21/2003	9/17/1998			FALSE	TRUE	TRUE					
28843	SR121394A	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/21/2003	7/21/2003	7/21/2003	7/21/2003	1/13/2004			TRUE	TRUE	TRUE					
28844	SR121395	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/1/1980		7/24/1998		8/19/1998			FALSE	TRUE	TRUE					
28845	SR121397	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	3/23/2006	11/5/1997	3/23/2006	4/30/1998			FALSE	TRUE	TRUE					
28846	SR121398	55G	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	4/28/2003	4/13/1998	4/28/2003	10/6/1998			TRUE	TRUE	TRUE					
28847	SR121398A	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/28/2003	4/28/2003	4/28/2003	4/28/2003	10/21/2003			FALSE	TRUE	TRUE					
28848	SR121399	55G	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	1/25/2006	10/22/1997	1/25/2006	4/16/1998			FALSE	TRUE	TRUE					
28849	SR121400	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/15/1980		10/28/1997		4/23/1998			FALSE	TRUE	TRUE					
28850	SR121400A	55G	EMPLACED_CNTR	6/11/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/20/2002		11/20/2002		5/15/2003			TRUE	TRUE	TRUE					
28851	SR121401	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	5/16/2004	11/6/1997	5/16/2004	5/1/1998			FALSE	TRUE	TRUE					
28852	SR121402	55G	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	9/22/2003	11/6/1997	9/22/2003	5/1/1998			FALSE	TRUE	TRUE					
28853	SR121403	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/15/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28854	SR121404	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/13/1980	8/11/2003	3/24/1998	8/11/2003	9/16/1998			FALSE	TRUE	TRUE					
28855	SR121405	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/13/1980	6/7/2003	11/6/1997	6/7/2003	5/1/1998			FALSE	TRUE	TRUE					
28856	SR121407	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/13/1980		11/6/1997		5/1/1998			FALSE	TRUE	TRUE					
28857	SR121408	55G	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/13/1980	10/12/2003	10/30/1997	10/12/2003	4/24/1998			FALSE	TRUE	TRUE					
28858	SR121409	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/15/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28859	SR121410	55G	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	10/3/2003	11/3/1997	10/3/2003	4/28/1998			FALSE	TRUE	TRUE					
28860	SR121411	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1980	7/25/2003	11/4/1997	7/25/2003	4/29/1998			FALSE	TRUE	TRUE					
28861	SR121412	55G	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		10/29/1997		4/23/1998			FALSE	TRUE	TRUE					
28862	SR121412A	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/6/2002		8/6/2002		1/29/2003			TRUE	TRUE	TRUE					
28863	SR121413	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28864	SR121414	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/5/1997		4/30/1998			FALSE	TRUE	TRUE					
28865	SR121415	55G	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	8/5/2003	11/3/1997	8/5/2003	4/28/1998			FALSE	TRUE	TRUE					
28866	SR121416	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/27/1980		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
28867	SR121417	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/5/1997		4/30/1998			FALSE	TRUE	TRUE					
28868	SR121418	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		3/24/1998		9/16/1998			FALSE	TRUE	TRUE					
28869	SR121420	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/5/1997		4/30/1998			FALSE	TRUE	TRUE					
28870	SR121421	55G	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/27/1980		3/24/1998		9/16/1998			FALSE	TRUE	TRUE					
28871	SR121422	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/27/1980		10/21/1997		4/15/1998			FALSE	TRUE	TRUE					
28872	SR121423	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		2/23/1998		8/18/1998			FALSE	TRUE	TRUE					
28873	SR121424	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	6/4/2003	10/21/1997	6/4/2003	4/15/1998			FALSE	TRUE	TRUE					
28874	SR121425	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/3/1997		4/28/1998			FALSE	TRUE	TRUE					
28875	SR121428	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	9/23/2003	11/5/1997	9/23/2003	4/30/1998			FALSE	TRUE	TRUE					
28876	SR121427	55G	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/6/1997		5/1/1998			FALSE	TRUE	TRUE					
28877	SR121428	55G	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	6/10/2003	11/3/1997	6/10/2003	4/28/1998			FALSE	TRUE	TRUE					
28878	SR121429	55G	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28879	SR121430	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		10/27/1997		4/21/1998			FALSE	TRUE	TRUE					
28880	SR121431	55G	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	10/12/2003	11/4/1997	10/12/2003	4/29/1998			FALSE	TRUE	TRUE					
28881	SR121432	55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	3/7/2004	10/23/1997	3/7/2004	4/17/1998			FALSE	TRUE	TRUE					
28882	SR121433	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	10/21/2006	11/5/1997	10/21/2006	4/30/1998			FALSE	TRUE	TRUE					
28883	SR121434	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1980		10/28/1997		4/22/1998			FALSE	TRUE	TRUE					
28884	SR121435	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	5/1/2003	10/29/1997	5/1/2003	4/21/1998			FALSE	TRUE	TRUE					
28885	SR121436	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1980	7/29/2003	11/5/1997	7/29/2003	4/30/1998			FALSE	TRUE	TRUE					
28886	SR121438	55G	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/27/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28887	SR121439	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/27/1980	8/16/2003	11/5/1997	6/16/2003	4/30/1998			FALSE	TRUE	TRUE					
28888	SR121440	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/29/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28889	SR121441	55G	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/3/1980	1/18/2004	10/28/1997	1/18/2004	4/22/1998			FALSE	TRUE	TRUE					
28890	SR121443	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/29/1980	6/19/2003	10/29/1997	6/19/2003	4/23/1998			FALSE	TRUE	TRUE					
28891	SR121444	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/29/1980		11/4/1997		4/29/1998			FALSE	TRUE	TRUE					
28892	SR121445	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/29/1980		10/23/1997		4/17/1998			FALSE	TRUE	TRUE					
28893	SR121446	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/25/1980		11/1/1997		4/30/1998			FALSE	TRUE	TRUE					
28894	SR121447	55G	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/3/1980	10/3/2003	11/3/1997	10/3/2003	4/28/1998			FALSE	TRUE	TRUE					
28895	SR121448	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/3/1980	5/30/2003	10/29/1997	5/30/2003	4/23/1998			TRUE	TRUE	TRUE					
28896	SR121448A	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/30/2003	5/30/2003	5/30/2003	5/30/2003	11/22/2003			FALSE	TRUE	TRUE					
28897	SR121449	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/3/1980		10/29/1997		4/23/1998			FALSE	TRUE	TRUE					
28898	SR121450	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/3/1980	4/3/2004	9/25/1997	4/3/2004	3/20/1998										
28899	SR121450A	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/3/2004		4/3/2004					FALSE	TRUE	TRUE					
28900	SR121451	55G	EMPLACED_CNTR	11/6/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/3/1980		9/26/1997		3/21/1998			FALSE	TRUE	TRUE					
28901	SR121452	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/3/1980		10/29/1997		4/23/1998			FALSE	TRUE	TRUE					
28902	SR121453	55G	EMPLACED_CNTR	2/25/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/3/1980		10/28/1997		4/21/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28903	SR121454	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/3/1980	3/27/2006	10/29/1997	3/27/2006	4/23/1998			FALSE	TRUE	TRUE					
28904	SR121455	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/24/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28905	SR121456	SSG	EMPLACED_CNTR	11/1/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/3/1980		10/29/1997		4/23/1998			FALSE	TRUE	TRUE					
28906	SR121457	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/3/1980		10/30/1997		4/24/1998			FALSE	TRUE	TRUE					
28907	SR121462	SSG	EMPLACED_CNTR	1/11/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/24/1980		10/27/1997		4/21/1998			FALSE	TRUE	TRUE					
28908	SR121463	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/24/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28909	SR121466	SSG	EMPLACED_CNTR	7/30/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/17/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28910	SR121467	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/17/1980	5/1/2003	3/25/1998	5/1/2003	9/17/1998			FALSE	TRUE	TRUE					
28911	SR121468	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/24/1980	8/22/2003	10/23/1997	8/22/2003	4/17/1998			FALSE	TRUE	TRUE					
28912	SR121469	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/24/1980	7/25/2003	10/30/1997	7/25/2003	4/24/1998			FALSE	TRUE	TRUE					
28913	SR121470	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/26/1980	10/20/2003	10/22/1997	10/20/2003	4/16/1998			FALSE	TRUE	TRUE					
28914	SR121470A	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	10/20/2003	10/20/2003	10/20/2003	10/20/2003	4/13/2004			TRUE	TRUE	TRUE					
28915	SR121471	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28916	SR121472	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/30/1997		4/24/1998			FALSE	TRUE	TRUE					
28917	SR121473	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/30/1997		4/24/1998			FALSE	TRUE	TRUE					
28918	SR121474	SSG	EMPLACED_CNTR	7/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28919	SR121475	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/30/1997		4/24/1998			FALSE	TRUE	TRUE					
28920	SR121476	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/26/1980	9/19/2003	10/22/1997	9/19/2003	4/16/1998			FALSE	TRUE	TRUE					
28921	SR121477	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/26/1980	6/19/2003	10/22/1997	6/19/2003	4/16/1998			FALSE	TRUE	TRUE					
28922	SR121478	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	6/26/1980	3/16/2004	10/23/1997	3/16/2004	4/17/1998			FALSE	TRUE	TRUE					
28923	SR121478A	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1		3/16/2004		3/16/2004											
28924	SR121479	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/27/1997		4/21/1998			FALSE	TRUE	TRUE					
28925	SR121480	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/26/1980		10/22/1997		4/16/1998			FALSE	TRUE	TRUE					
28926	SR121482	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/3/1980	4/23/2003	10/7/1997	4/23/2003	4/1/1998			FALSE	TRUE	TRUE					
28927	SR121482A	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/23/2003	4/23/2003	4/23/2003	4/23/2003	10/16/2003			TRUE	TRUE	TRUE					
28928	SR121483	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/3/1980		10/23/1997		4/17/1998			FALSE	TRUE	TRUE					
28929	SR121484	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/10/1980	12/19/2003	4/23/1998	12/19/2003	10/15/1998			FALSE	TRUE	TRUE					
28930	SR121486	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/10/1980		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
28931	SR121487	SSG	EMPLACED_CNTR	11/1/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/10/1980		4/12/1998		10/15/1998			FALSE	TRUE	TRUE					
28932	SR121488	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/10/1980	4/4/2003	5/14/1998	4/4/2003	11/6/1998			FALSE	TRUE	TRUE					
28933	SR121489	SSG	EMPLACED_CNTR	5/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/10/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28934	SR121490	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/10/1980	8/19/2003	3/23/1998	8/19/2003	9/15/1998			FALSE	TRUE	TRUE					
28935	SR121492	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/17/1980	4/15/2003	4/2/1998	4/15/2003	9/25/1998			FALSE	TRUE	TRUE					
28936	SR121493	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/17/1980	10/5/2003	3/23/1998	10/5/2003	9/15/1998			FALSE	TRUE	TRUE					
28937	SR121495	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/17/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28938	SR121497	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	7/17/1980	7/16/2003	5/11/1998	7/16/2003	11/3/1998			FALSE	TRUE	TRUE					
28939	SR121498	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/17/1980		5/11/1998		11/3/1998			FALSE	TRUE	TRUE					
28940	SR121499	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/17/1980		5/14/1998		11/6/1998			FALSE	TRUE	TRUE					
28941	SR121500	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	7/24/1980		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
28942	SR123303	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/2/1981	8/19/2003	9/15/1997	8/19/2003	3/19/1998			FALSE	TRUE	TRUE					
28943	SR123304	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
28944	SR123305	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28945	SR123306	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28946	SR123307	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
28947	SR123308	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/23/1997		3/18/1998			FALSE	TRUE	TRUE					
28948	SR123309	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
28949	SR123310	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/2/1981	5/1/2003	9/11/1997	5/1/2003	3/6/1998			FALSE	TRUE	TRUE					
28950	SR123311	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/2/1981	3/27/2004	9/19/1997	3/27/2004	3/14/1998			FALSE	TRUE	TRUE					
28951	SR123712	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28952	SR123313	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
28953	SR123314	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/2/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28954	SR123315	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/3/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28955	SR123316	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Purge	0	2/3/1981	7/3/1981	8/19/1997	10/13/2003	3/14/1998			FALSE	TRUE	TRUE					
28956	SR123317	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	6/7/2003	9/4/1997	6/7/2003	2/27/1998			FALSE	TRUE	TRUE					
28957	SR123318	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	9/24/2003	9/8/1997	9/24/2003	3/3/1998			FALSE	TRUE	TRUE					
28958	SR123319	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	5/7/2007	9/19/1997	5/7/2007	3/14/1998			FALSE	TRUE	TRUE					
28959	SR123320	SSG	EMPLACED_CNTR	10/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	8/6/2004	8/20/1997	8/6/2004	2/12/1998			FALSE	TRUE	TRUE					
28960	SR123321	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	$5300		0	2/3/1981		8/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28961	SR123322	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/3/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
28962	SR123323	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	5/2/2007	9/15/1997	5/2/2007	3/10/1998			FALSE	TRUE	TRUE					
28963	SR123324	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	6/23/2003	9/22/1997	6/23/2003	3/17/1998			FALSE	TRUE	TRUE					
28964	SR123325	SSG	EMPLACED_CNTR	5/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	5/7/2007	9/22/1997	5/7/2007	3/17/1998			FALSE	TRUE	TRUE					
28965	SR123326	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	6/24/2004	9/15/1997	6/24/2004	3/10/1998			FALSE	TRUE	TRUE					
28966	SR123327	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/3/1981	5/23/2007	9/25/1997	5/23/2007	3/20/1998			FALSE	TRUE	TRUE					
28967	SR123328	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28968	SR123329	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	5/1/2007	8/25/1997	5/1/2007	2/17/1998			FALSE	TRUE	TRUE					
28969	SR123330	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	6/18/2003	8/25/1997	6/18/2003	2/17/1998			FALSE	TRUE	TRUE					
28970	SR123331	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	5/23/2003	9/19/1997	5/23/2003	3/14/1998			FALSE	TRUE	TRUE					
28971	SR123332	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28972	SR123333	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
28973	SR123334	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		8/20/1997		2/12/1998			FALSE	TRUE	TRUE					
28974	SR123335	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	5/1/2006	9/22/1997	5/1/2006	3/17/1998			FALSE	TRUE	TRUE					
28975	SR123336	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
28976	SR123337	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	9/20/2003	9/22/1997	9/20/2003	3/17/1998			FALSE	TRUE	TRUE					
28977	SR123338	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/5/1998			FALSE	TRUE	TRUE					
28978	SR123339	SSG	EMPLACED_CNTR	2/16/2011	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
28979	SR123340	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28980	SR123341	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	8/10/2003	9/19/1997	8/10/2003	3/14/1998			FALSE	TRUE	TRUE					
28981	SR123342	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	$5300		0	2/6/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
28982	SR123343	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		8/27/1997		2/19/1998			FALSE	TRUE	TRUE					
28983	SR123344	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28984	SR123345	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	5/18/2006	9/22/1997	5/18/2006	3/17/1998			FALSE	TRUE	TRUE					
28985	SR123346	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		8/20/1997		2/12/1998			FALSE	TRUE	TRUE					
28986	SR123347	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
28987	SR123348	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	2/6/1981	6/9/2004	9/19/1997	6/9/2004	3/14/1998			FALSE	TRUE	TRUE					
28988	SR123349	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	$5300		0	2/6/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28989	SR123350	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28990	SR123351	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	2/6/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
28991	SR123352	55G	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/10/1981	7/21/2003	9/8/1997	7/21/2003	3/3/1998			FALSE	TRUE	TRUE					
28992	SR123353	55G	EMPLACED_CNTR	5/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
28993	SR123354	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
28994	SR123355	55G	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
28995	SR123356	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/10/1981	3/17/2006	9/23/1997	3/17/2006	3/18/1998										
28996	SR123356A	55G	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	remediate	2		3/17/2006		3/17/2006											
28997	SR123357	55G	EMPLACED_CNTR	2/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	3	2/10/1981	3/31/2008	8/27/1997	3/31/2006	2/19/1998			FALSE	TRUE	TRUE					
28998	SR123358	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
28999	SR123359	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		8/25/1997		2/17/1998			FALSE	TRUE	TRUE					
29000	SR123360	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29001	SR123361	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	2/10/1981	6/18/2003	9/22/1997	6/18/2003	3/17/1998			FALSE	TRUE	TRUE					
29002	SR123362	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/10/1981	6/18/2003	9/24/1997	6/18/2003	3/19/1998			FALSE	TRUE	TRUE					
29003	SR123363	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29004	SR123364	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
29005	SR123365	55G	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/12/1981	10/3/2003	9/11/1997	10/3/2003	3/6/1998			FALSE	TRUE	TRUE					
29006	SR123366	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/30/1997		2/12/1998			FALSE	TRUE	TRUE					
29007	SR123367	55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29008	SR123368	55G	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/10/1981	10/1/2003	9/19/1997	10/1/2003	3/14/1998			FALSE	TRUE	TRUE					
29009	SR123369	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/12/1981	4/18/2004	8/28/1997	4/18/2004	2/20/1998			FALSE	TRUE	TRUE					
29010	SR123370	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/16/1997		3/11/1998			FALSE	TRUE	TRUE					
29011	SR123371	55G	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/10/1981	4/15/2006	9/10/1997	4/15/2006	3/5/1998			FALSE	TRUE	TRUE					
29012	SR123372	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/12/1981	8/6/2004	9/10/1997	8/6/2004	3/5/1998			FALSE	TRUE	TRUE					
29013	SR123373	55G	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29014	SR123374	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/25/1997		3/20/1998			FALSE	TRUE	TRUE					
29015	SR123375	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/10/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29016	SR123376	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/5/1997		3/4/1998			FALSE	TRUE	TRUE					
29017	SR123377	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29018	SR123378	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
29019	SR123379	85G	EMPLACED_CNTR	10/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/12/1981	3/31/2008	9/25/1997	3/31/2008	3/20/1998			FALSE	TRUE	TRUE					
29020	SR123380	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29021	SR123381	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29022	SR123382	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29023	SR123383	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29024	SR123384	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29025	SR123385	55G	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/12/1981	5/17/2006	8/27/1997	5/17/2006	2/19/1998			FALSE	TRUE	TRUE					
29026	SR123386	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29027	SR123387	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		8/27/1997		2/19/1998			FALSE	TRUE	TRUE					
29028	SR123388	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		8/25/1997		2/17/1998			FALSE	TRUE	TRUE					
29029	SR123389	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29030	SR123390	55G	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29031	SR123391	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/9/1997		2/26/1998			FALSE	TRUE	TRUE					
29032	SR123392	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29033	SR123393	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29034	SR123394	55G	EMPLACED_CNTR	1/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1981		9/2/1997		2/25/1998			FALSE	TRUE	TRUE					
29035	SR123395	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/30/1997		3/5/1998			FALSE	TRUE	TRUE					
29036	SR123396	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1981	4/30/2003	8/21/1997	4/30/2003	2/13/1998			FALSE	TRUE	TRUE					
29037	SR123397	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29038	SR123398	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/19/1981		8/25/1997		2/17/1998			FALSE	TRUE	TRUE					
29039	SR123399	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29040	SR123400	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29041	SR123401	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		8/27/1997		2/19/1998			FALSE	TRUE	TRUE					
29042	SR123402	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29043	SR123403	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29044	SR123404	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		8/25/1997		2/13/1998			FALSE	TRUE	TRUE					
29045	SR123405	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29046	SR123406	55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1981	4/3/2004	9/3/1997	4/3/2004	2/26/1998			FALSE	TRUE	TRUE					
29047	SR123407	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29048	SR123408	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/8/1997		3/4/1998			FALSE	TRUE	TRUE					
29049	SR123409	55G	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29050	SR123410	55G	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29051	SR123411	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/19/1981	9/18/2003	9/4/1997	9/18/2003	2/27/1998			FALSE	TRUE	TRUE					
29052	SR123412		EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/19/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29053	SR123413	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/24/1981	7/21/2003	9/9/1997	7/21/2003	3/4/1998			FALSE	TRUE	TRUE					
29054	SR123414	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29055	SR123415	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29056	SR123416	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/24/1981	3/7/2004	8/25/1997	3/7/2004	2/17/1998			FALSE	TRUE	TRUE					
29057	SR123417	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		8/28/1997		2/20/1998			FALSE	TRUE	TRUE					
29058	SR123418	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29059	SR123419	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/24/1981	9/18/2003	9/15/1997	9/18/2003	3/10/1998			FALSE	TRUE	TRUE					
29060	SR123420	55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		8/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29061	SR123421	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/24/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29062	SR123422	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		8/27/1997		2/19/1998			FALSE	TRUE	TRUE					
29063	SR123423	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29064	SR123424	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/3/1981	4/24/2003	9/2/1997	4/24/2003	2/25/1998			FALSE	TRUE	TRUE					
29065	SR123425	55G	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29066	SR123426	55G	EMPLACED_CNTR	3/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/3/1981	10/6/2003	9/7/1997	10/6/2003	2/25/1998			FALSE	TRUE	TRUE					
29067	SR123428	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/19/1981		9/10/1997		3/5/1998			FALSE	TRUE	TRUE					
29068	SR123429	55G	EMPLACED_CNTR	2/27/2011 13:33	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/3/1981	1/19/2010	9/24/1997	1/19/2010	3/19/1998			FALSE	TRUE	TRUE					
29069	SR123429A	55G	APPROVED_CERT		6/6/2012 16:15	mccabed	SR-W027-FB-PRE86-C	S5300		0	1/19/2010	5/30/2012	1/19/2010	5/30/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd into SR123429C	TRUE	TRUE	TRUE			SR123429A		Daughter
29070	SR123429C	55G	APPROVED_CERT		6/6/2012 16:15	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/30/2012		5/30/2012				- Rpkgd was SR123429A	TRUE	TRUE	TRUE					
29071	SR123430	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29072	SR123431	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29073	SR123432	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29074	SR123433	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29075	SR123434	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		8/20/1997		2/12/1998			FALSE	TRUE	TRUE					
29076	SR123435	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29077	SR123436	55G	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29078	SR123437	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/3/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29079	SR123438	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/3/1981	8/3/2004	8/21/1997	8/3/2004	2/13/1998			FALSE	TRUE	TRUE					
29080	SR123439	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/3/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29081	SR123440	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/19/1981	5/1/2003	9/4/1997	5/1/2003	2/27/1998			FALSE	TRUE	TRUE					
29082	SR123441	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/19/1981	7/22/2003	8/26/1997	7/22/2003	2/18/1998			FALSE	TRUE	TRUE					
29083	SR123442	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/19/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29084	SR123443	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/19/1981		8/25/1997		2/17/1998			FALSE	TRUE	TRUE					
29085	SR123444	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/12/1981	6/24/2003	9/2/1997	6/24/2003	2/25/1998			FALSE	TRUE	TRUE					
29086	SR123445	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/19/1981		9/19/1997		3/4/1998			FALSE	TRUE	TRUE					
29087	SR123446	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	3/24/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29088	SR123447	SSG	EMPLACED_CNTR	12/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/24/1981	7/1/2003	8/21/1997	7/1/2003	2/13/1998			FALSE	TRUE	TRUE					
29089	SR123448	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	3/24/1981	4/15/2003	8/27/1997	4/15/2003	2/19/1998			FALSE	TRUE	TRUE					
29090	SR123449	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/2/1981		4/8/1998		10/1/1998			FALSE	TRUE	TRUE					
29091	SR123450	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	4/3/2008	4/13/1998	4/3/2008	10/6/1998			TRUE	TRUE	TRUE					
29092	SR123450A	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/3/2007		5/3/2007		10/26/2007			FALSE	TRUE	TRUE					
29093	SR123451	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	1/12/2004	4/16/1998	1/12/2004	10/9/1998			FALSE	TRUE	TRUE					
29094	SR123452	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	5/19/2006	4/14/1998	5/19/2006	10/7/1998			FALSE	TRUE	TRUE					
29095	SR123453	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	2/9/2004	4/23/1998	2/9/2004	10/16/1998			FALSE	TRUE	TRUE					
29096	SR123454	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	2/3/2004	4/20/1998	2/3/2004	10/13/1998			FALSE	TRUE	TRUE					
29097	SR123454A	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1		2/3/2004		2/3/2004											
29098	SR123455	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	3/27/2004	4/27/1998	3/27/2004	10/20/1998			FALSE	TRUE	TRUE					
29099	SR123456	SSG	EMPLACED_CNTR	4/10/2004	5/30/2012 13:33	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/2/1981		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
29100	SR123458	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	3/19/2003	4/22/1998	3/19/2003	10/15/1998			FALSE	TRUE	TRUE					
29101	SR123459	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/2/1981		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
29102	SR123460	SSG	EMPLACED_CNTR	12/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/2/1981	5/7/2007	4/16/1998	5/7/2007	10/9/1998			FALSE	TRUE	TRUE					
29103	SR123461	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
29104	SR123462	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
29105	SR123463	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
29106	SR123464	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		5/5/1998		10/28/1998			FALSE	TRUE	TRUE					
29107	SR123465	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		5/13/1998		11/5/1998			FALSE	TRUE	TRUE					
29108	SR123466	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/7/1981		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
29109	SR123467	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/7/1981	5/1/2006	4/21/1998	5/1/2006	10/14/1998										
29110	SR123467A	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1		5/1/2006		5/1/2006											
29111	SR123468	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/8/1981		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
29112	SR123470	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/16/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29113	SR123471	SSG	EMPLACED_CNTR	2/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/16/1981	6/6/2003	9/2/1997	6/6/2003	2/25/1998			FALSE	TRUE	TRUE					
29114	SR123472	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/16/1981		8/20/1997		2/12/1998			FALSE	TRUE	TRUE					
29115	SR123473	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/16/1981		8/26/1997		2/18/1998			FALSE	TRUE	TRUE					
29116	SR123474	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/16/1981	6/27/2003	8/28/1997	6/27/2003	2/20/1998			FALSE	TRUE	TRUE					
29117	SR123475	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/16/1981	7/29/2009	9/15/1997	7/29/2003	3/10/1998			FALSE	TRUE	TRUE					
29118	SR123476	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/23/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29119	SR123477	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/23/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29120	SR123478	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/23/1981	4/21/2005	9/8/1997	4/21/2003	3/3/1998			FALSE	TRUE	TRUE					
29121	SR123479	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/23/1981		9/19/1997		3/14/1998			FALSE	TRUE	TRUE					
29122	SR123480	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	V&P Vent	0	4/23/1981	4/23/1981	9/3/1997	11/11/2008	2/26/1998			FALSE	TRUE	TRUE					
29123	SR123481	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/28/1981	7/28/2003	8/28/1997	7/28/2003	2/20/1998			FALSE	TRUE	TRUE					
29124	SR123482	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	4/28/1981	1/26/2006	8/20/1997	1/26/2006	2/12/1998			FALSE	TRUE	TRUE					
29125	SR123483	SSG	EMPLACED_CNTR	1/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/28/1981		8/28/1997		2/20/1998			FALSE	TRUE	TRUE					
29126	SR123484	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	4/28/1981		8/26/1997		2/18/1998			FALSE	TRUE	TRUE					
29127	SR123486	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/5/1981	4/5/2004	9/4/1997	4/5/2004	2/27/1998			FALSE	TRUE	TRUE					
29128	SR123487	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29129	SR123488	SSG	EMPLACED_CNTR	7/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29130	SR123489	SSG	EMPLACED_CNTR	11/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29131	SR123490	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
29132	SR123491	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remedkute	1	5/5/1981	7/25/2003	8/28/1997	7/25/2003	2/20/1998			FALSE	TRUE	TRUE					
29133	SR123492	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29134	SR123493	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/5/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29135	SR123496	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/7/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29136	SR123497	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/7/1981		9/8/1997		3/4/1998			FALSE	TRUE	TRUE					
29137	SR123498	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/7/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29138	SR123499	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/7/1981		8/25/1997		2/17/1998			FALSE	TRUE	TRUE					
29139	SR123500	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/7/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
29140	SR123502	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	5/12/2003	9/2/1997	5/12/2003	2/25/1998			FALSE	TRUE	TRUE					
29141	SR123503	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/12/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29142	SR123504	SSG	EMPLACED_CNTR	10/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	6/23/2003	9/8/1997	6/23/2003	3/4/1998			FALSE	TRUE	TRUE					
29143	SR123505	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	5/14/2003	8/28/1997	5/14/2003	2/20/1998			FALSE	TRUE	TRUE					
29144	SR123506	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/12/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29145	SR123507	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	1/4/2004	8/28/1997	1/4/2004	2/20/1998			FALSE	TRUE	TRUE					
29146	SR123508	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	4/10/2003	8/25/1997	4/10/2003	2/17/1998			FALSE	TRUE	TRUE					
29147	SR123509	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/12/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29148	SR123510	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	1/30/2006	9/11/1997	1/30/2006	3/6/1998			FALSE	TRUE	TRUE					
29149	SR123511	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	9/23/2003	9/2/1997	9/23/2003	2/25/1998			FALSE	TRUE	TRUE					
29150	SR123512	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	6/11/1981		4/14/1998		10/7/1998			FALSE	TRUE	TRUE					
29151	SR123513	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/12/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29152	SR123514	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	5/2/2007	8/27/1997	5/2/2007	2/19/1998			FALSE	TRUE	TRUE					
29153	SR123515	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	11/8/2005	8/19/1997	11/8/2005	2/11/1998			FALSE	TRUE	TRUE					
29154	SR123516	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	3/21/2006	8/28/1997	3/21/2006	2/20/1998			FALSE	TRUE	TRUE					
29155	SR123517	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/12/1981	5/2/2007	8/20/1997	5/2/2007	2/12/1998			FALSE	TRUE	TRUE					
29156	SR123518	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/12/1981		9/15/1997		3/10/1998			FALSE	TRUE	TRUE					
29157	SR123519	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/14/1981	3/21/2006	4/21/1998	3/21/2006	10/14/1998			FALSE	TRUE	TRUE					
29158	SR123520	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/14/1981	6/3/2008	4/29/1998	6/3/2008	10/22/1998			FALSE	TRUE	TRUE					
29159	SR123520A	SSG	EMPLACED_CNTR	2/24/2011 18:49	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	0	6/3/2008	12/28/2009	6/3/2008	12/28/2009	11/26/2008			TRUE	TRUE	TRUE					
29160	SR123520B	SSG	EMPLACED_CNTR	1/16/2013 15:01	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	$5300		0	12/28/2009		12/28/2009		6/22/2010			FALSE	TRUE	TRUE					
29161	SR123521	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/14/1981	1/26/2006	4/16/1998	1/26/2006	10/9/1998			FALSE	TRUE	TRUE					
29162	SR123522	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/14/1981		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
29163	SR123524	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/27/1981	5/3/2007	4/30/1998	5/3/2007	10/23/1998			FALSE	TRUE	TRUE					
29164	SR123525	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/27/1981		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
29165	SR123526	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300	Remediate	1	5/27/1981	5/3/2007	4/29/1998	5/3/2007	10/22/1998			FALSE	TRUE	TRUE					
29166	SR123527	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	$5300		0	5/27/1981		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29167	SR123528	55G	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	1/31/2006	4/23/1998	1/31/2006	10/16/1998			FALSE	TRUE	TRUE					
29168	SR123529	55G	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	5/13/2003	5/5/1998	5/13/2003	10/28/1998			FALSE	TRUE	TRUE					
29169	SR123530	55G	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
29170	SR123531	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/23/1998		10/16/1998			FALSE	TRUE	TRUE					
29171	SR123532	55G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	9/24/2003	4/27/1998	9/24/2003	10/20/1998			FALSE	TRUE	TRUE					
29172	SR123533	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
29173	SR123534	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
29174	SR123536	55G	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		5/4/1998		10/27/1998			FALSE	TRUE	TRUE					
29175	SR123537	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
29176	SR123538	85G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		11/23/1998		5/18/1999			FALSE	TRUE	TRUE					
29177	SR123539	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		5/5/1998		10/28/1998			FALSE	TRUE	TRUE					
29178	SR123540	55G	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/28/1981	5/9/2007	5/12/1998	5/9/2007	11/4/1998			FALSE	TRUE	TRUE					
29179	SR123541	55G	EMPLACED_CNTR	3/24/2011 19:27	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	3/23/2010	5/4/1998	3/23/2010	10/27/1998	WWIS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
29180	SR123541A	55G	APPROVED_CERT		4/28/2011 6:00	WRPPNET\SQLMaster	SR-WO27-FB-PRE86-C	S5300		0	3/23/2010		3/23/2010		9/15/2010			TRUE	TRUE	TRUE					
29181	SR123541B	55G	EMPLACED_CNTR	2/16/2011 22:12	4/28/2011 6:00	WRPPNET\SQLMaster	SR-WO27-FB-PRE86-C	S5300		0	3/23/2010		3/23/2010		9/15/2010			FALSE	TRUE	TRUE					
29182	SR123542	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/28/1998		10/21/1998			FALSE	TRUE	TRUE					
29183	SR123543	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29184	SR123544	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		5/5/1998		10/28/1998			FALSE	TRUE	TRUE					
29185	SR123545	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
29186	SR123546	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	3/11/2003	5/6/1998	3/11/2003	10/29/1998			FALSE	TRUE	TRUE					
29187	SR123547	55G	EMPLACED_CNTR	7/19/2001	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
29188	SR123548	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	5/8/2003	4/27/1998	5/8/2003	10/20/1998			FALSE	TRUE	TRUE					
29189	SR123549	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		4/29/1998		10/22/1998			FALSE	TRUE	TRUE					
29190	SR123550	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/27/1981		5/6/1998		10/29/1998			FALSE	TRUE	TRUE					
29191	SR123551	55G	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/28/1981	5/30/2003	4/1/1998	5/30/2003	9/24/1998			FALSE	TRUE	TRUE					
29192	SR123551A	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/30/2003	5/30/2003	5/30/2003	5/30/2003	11/22/2003			FALSE	TRUE	TRUE					
29193	SR123552	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/28/1981	6/27/2003	3/30/1998	6/27/2003	9/22/1998			FALSE	TRUE	TRUE					
29194	SR123553	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
29195	SR123554	55G	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	V&P Vent	0	5/27/1981	5/27/1981	4/27/1998	8/23/2006	10/20/1998			FALSE	TRUE	TRUE					
29196	SR123555	55G	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/28/1981	3/31/2008	3/30/1998	3/31/2008	9/22/1998			FALSE	TRUE	TRUE					
29197	SR123556	55G	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/28/1981	3/31/2003	5/4/1998	3/31/2003	10/27/1998			FALSE	TRUE	TRUE					
29198	SR123557	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29199	SR123558	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	5/27/1981	6/7/2004	4/19/1998	6/7/2004	10/6/1998			FALSE	TRUE	TRUE					
29200	SR123559	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
29201	SR123560	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29202	SR123561	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	5/28/1981		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
29203	SR123562	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/2/1981	8/23/2003	3/3/1998	8/23/2003	8/26/1998			FALSE	TRUE	TRUE					
29204	SR123563	55G	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/2/1981		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
29205	SR123564	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/2/1981	8/21/2003	5/12/1998	8/21/2003	11/4/1998			FALSE	TRUE	TRUE					
29206	SR123565	95G	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/2/1981	7/15/2003	5/13/1998	7/15/2003	11/5/1998			FALSE	TRUE	TRUE					
29207	SR123566	85G	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/2/1981	3/20/2008	11/18/1998	3/20/2008	5/13/1999			FALSE	TRUE	TRUE					
29208	SR123567	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/2/1981		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
29209	SR123569	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		4/14/1998		10/7/1998			FALSE	TRUE	TRUE					
29210	SR123570	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29211	SR123571	55G	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
29212	SR123572	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
29213	SR123573	85G	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		11/24/1998		5/19/1999			FALSE	TRUE	TRUE					
29214	SR123574	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
29215	SR123575	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
29216	SR123576	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/11/1981	1/19/2006	4/14/1998	1/19/2006	10/7/1998			FALSE	TRUE	TRUE					
29217	SR123577	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29218	SR123578	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		4/13/1998		10/6/1998			FALSE	TRUE	TRUE					
29219	SR123580	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		4/14/1998		10/7/1998			FALSE	TRUE	TRUE					
29220	SR123581	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		3/19/1998		9/11/1998			FALSE	TRUE	TRUE					
29221	SR123582	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		2/19/1998		8/14/1998			FALSE	TRUE	TRUE					
29222	SR123587	55G	APPROVED_CERT		10/10/2012 10:58	mccabed	SR-WO27-FB-PRE86-C	S5300	V&P Vent	0	6/11/1981	10/8/2012	11/17/2006	10/8/2012		221-F-55113	- Rpkgd into SR123587A - Rpkgd into SR123587B - Rpkgd into SR123587C - Rpkgd was SR123587 - Rpkgd was SR123587	FALSE	TRUE	TRUE					
29223	SR123587A	55G	APPROVED_CERT		10/10/2012 10:57	mccabed	SR-WO27-FB-PRE86-C	S5300	None	0	10/8/2012		10/8/2012					FALSE	TRUE	TRUE			SR123587		Daughter
29224	SR123587B	55G	APPROVED_CERT		10/10/2012 10:57	mccabed	SR-WO27-FB-PRE86-C	S5300	None	0	10/8/2012		10/8/2012					FALSE	TRUE	TRUE			SR123587		Daughter
29225	SR123588	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/11/1981	5/12/2003	2/24/1998	5/12/2003	8/19/1998			FALSE	TRUE	TRUE					
29226	SR123589	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		5/12/1998		11/4/1998			FALSE	TRUE	TRUE					
29227	SR123590	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29228	SR123591	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/25/1981	7/10/2003	9/9/1997	7/10/2003	3/4/1998			TRUE	TRUE	TRUE					
29229	SR123591A	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/10/2003	7/10/2003	7/10/2003	7/10/2003	1/2/2004			FALSE	TRUE	TRUE					
29230	SR123592	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/25/1981	10/24/2005	8/20/1997	10/24/2005	2/12/1998			FALSE	TRUE	TRUE					
29231	SR123593	55G	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	1/27/1981	6/7/2005	9/15/1997	6/7/2005	3/19/1998			FALSE	TRUE	TRUE					
29232	SR123594	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	1/27/1981		9/15/1997		3/30/1998			FALSE	TRUE	TRUE					
29233	SR123595	55G	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	1/27/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
29234	SR123596	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/11/1981		2/25/1998		8/20/1998			FALSE	TRUE	TRUE					
29235	SR123597	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	3/19/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29236	SR130501	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		8/26/1997		2/18/1998			FALSE	TRUE	TRUE					
29237	SR130502	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/25/1981	6/11/2003	9/2/1997	6/11/2003	2/25/1998			FALSE	TRUE	TRUE					
29238	SR130503	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		9/4/1997		2/27/1998			FALSE	TRUE	TRUE					
29239	SR130504	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/25/1981	1/12/2004	9/11/1997	1/12/2004	3/6/1998			FALSE	TRUE	TRUE					
29240	SR130504A	55G	EMPLACED_CNTR	9/15/2005	4/28/2011 8:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	1/12/2004		1/12/2004		1/13/2004										
29241	SR130505	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		8/18/1997		2/11/1998			FALSE	TRUE	TRUE					
29242	SR130506	55G	EMPLACED_CNTR	4/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	6/25/1981	5/8/2003	8/28/1997	5/8/2003	2/20/1998			FALSE	TRUE	TRUE					
29243	SR130508	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		8/28/1997		2/20/1998			FALSE	TRUE	TRUE					
29244	SR130509	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		9/2/1997		2/25/1998			FALSE	TRUE	TRUE					
29245	SR130510	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	6/25/1981		9/2/1997		2/25/1998			FALSE	TRUE	TRUE					
29246	SR130511	55G	EMPLACED_CNTR	10/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/7/1981	10/6/2003	3/19/1998	10/6/2003	9/11/1998			FALSE	TRUE	TRUE					
29247	SR130512	55G	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	7/7/1981		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
29248	SR130513	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/7/1981	5/16/2007	3/19/1998	5/16/2007	9/11/1998			FALSE	TRUE	TRUE					
29249	SR130514	55G	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/7/1981	1/15/2004	3/16/1998	1/15/2004	9/10/1998			FALSE	TRUE	TRUE					
29250	SR130515	55G	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/7/1981	9/21/2003	3/25/1998	9/21/2003	9/17/1998			FALSE	TRUE	TRUE					
29251	SR130516	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300	Remediate	1	7/7/1981	9/14/2003	5/13/1998	9/14/2003	11/5/1998			FALSE	TRUE	TRUE					
29252	SR130517	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	7/7/1981		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
29253	SR130518	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	S5300		0	7/7/1981		2/23/1998		8/18/1998										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29254	SR130519	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/2/1981		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
29255	SR130520	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/2/1981		3/25/1998		9/17/1998			FALSE	TRUE	TRUE					
29256	SR130521	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/2/1981		3/30/1998		9/22/1998			FALSE	TRUE	TRUE					
29257	SR130522	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/2/1981		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
29258	SR130523	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		3/17/1998		9/9/1998			FALSE	TRUE	TRUE					
29259	SR130524	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		5/5/1998		10/28/1996			FALSE	TRUE	TRUE					
29260	SR130525	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		3/16/1998		9/8/1998			FALSE	TRUE	TRUE					
29261	SR130527	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		4/20/1998		10/13/1998			FALSE	TRUE	TRUE					
29262	SR130528	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
29263	SR130529	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/9/1981		3/16/1998		9/8/1998			FALSE	TRUE	TRUE					
29264	SR130530	SSG	EMPLACED_CNTR	10/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/9/1981	5/8/2003	3/31/1998	5/8/2003	9/23/1998			FALSE	TRUE	TRUE					
29265	SR130531	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/14/1981		5/5/1998		10/28/1998			FALSE	TRUE	TRUE					
29266	SR130532	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/14/1981		3/4/1998		8/27/1998			FALSE	TRUE	TRUE					
29267	SR130533	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/14/1981	12/17/2003	4/21/1998	12/17/2003	10/14/1998			FALSE	TRUE	TRUE					
29268	SR130534	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/14/1981		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
29269	SR130535	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		8/21/1997		2/13/1998			FALSE	TRUE	TRUE					
29270	SR130536	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		8/19/1997		2/11/1998			FALSE	TRUE	TRUE					
29271	SR130537	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		8/18/1997		2/10/1998			FALSE	TRUE	TRUE					
29272	SR130538	SSG	EMPLACED_CNTR	5/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		3/5/1998		8/28/1998			FALSE	TRUE	TRUE					
29273	SR130539	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/21/1981	5/19/2006	2/26/1998	5/19/2006	8/21/1998			FALSE	TRUE	TRUE					
29274	SR130540	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/21/1981	5/17/2006	3/4/1998	5/17/2006	8/27/1998			FALSE	TRUE	TRUE					
29275	SR130543	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
29276	SR130544	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/21/1981		8/18/1997		2/10/1998			FALSE	TRUE	TRUE					
29277	SR130545	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/28/1981	8/22/2003	8/26/1996	8/22/2003	2/18/1999			FALSE	TRUE	TRUE					
29278	SR130546	SSG	EMPLACED_CNTR	5/30/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/28/1981		9/8/1998		3/3/1999			FALSE	TRUE	TRUE					
29279	SR130547	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/28/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29280	SR130548	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/28/1981	10/10/2005	4/2/1998	10/10/2003	9/25/1998			FALSE	TRUE	TRUE					
29281	SR130551	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/29/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29282	SR130552	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29283	SR130553	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		3/18/1998		9/10/1998			FALSE	TRUE	TRUE					
29284	SR130554	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		9/2/1997		2/25/1998			FALSE	TRUE	TRUE					
29285	SR130555	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/4/1981	5/14/2003	8/28/1997	5/14/2003	2/20/1998			FALSE	TRUE	TRUE					
29286	SR130556	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
29287	SR130557	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29288	SR130558	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		2/25/1998		8/20/1998			FALSE	TRUE	TRUE					
29289	SR130559	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
29290	SR130560	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/6/1981	1/31/2008	9/18/1997	3/31/2008	2/10/1998			FALSE	TRUE	TRUE					
29291	SR130561	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/6/1981	5/3/2007	9/2/1997	5/3/2007	2/25/1998			FALSE	TRUE	TRUE					
29292	SR130562	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/6/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29293	SR130563	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/6/1981		8/19/1997		2/11/1998			FALSE	TRUE	TRUE					
29294	SR130564	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/6/1981	6/4/2003	9/2/1997	6/4/2003	2/25/1998			FALSE	TRUE	TRUE					
29295	SR130565	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/6/1981		9/9/1997		3/4/1998			FALSE	TRUE	TRUE					
29296	SR130566	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/6/1981		9/8/1997		3/3/1998			FALSE	TRUE	TRUE					
29297	SR130567	SSG	EMPLACED_CNTR	2/17/2011 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/18/1981	7/11/2008	9/8/1998	7/11/2008	3/3/1999			TRUE	TRUE	TRUE					
29298	SR130567A	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	7/11/2008	1/12/2010	7/11/2008	1/12/2010	3/3/2009			TRUE	TRUE	TRUE					
29299	SR130567B	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/12/2010		1/12/2010		7/7/2010			TRUE	TRUE	TRUE					
29300	SR130567C	SSG	EMPLACED_CNTR	11/18/2010 11:15	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/12/2010		1/12/2010		7/7/2010			TRUE	TRUE	TRUE					
29301	SR130568	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29302	SR130569	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/18/1981	5/14/2003	9/3/1998	5/14/2003	2/26/1999			FALSE	TRUE	TRUE					
29303	SR130570	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29304	SR130571	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29305	SR130572	SSG	EMPLACED_CNTR	10/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/18/1981	5/7/2003	8/27/1998	5/7/2003	2/19/1999			FALSE	TRUE	TRUE					
29306	SR130573	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		8/27/1998		2/19/1999			FALSE	TRUE	TRUE					
29307	SR130574	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/18/1981	4/27/2004	8/27/1998	4/27/2004	2/19/1999			FALSE	TRUE	TRUE					
29308	SR130575	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29309	SR130576	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		9/8/1998		3/3/1999			FALSE	TRUE	TRUE					
29310	SR130577	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/1981		4/2/1998		9/25/1998			FALSE	TRUE	TRUE					
29311	SR130578	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/27/1998		2/19/1999			FALSE	TRUE	TRUE					
29312	SR130579	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29313	SR130580	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29314	SR130581	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/27/1981	6/17/2008	9/10/1998	6/17/2008	3/3/1999			FALSE	TRUE	TRUE					
29315	SR130581A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/17/2008		6/17/2008		12/10/2008			TRUE	TRUE	TRUE					
29316	SR130581B	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/17/2008	1/14/2010	6/17/2008	1/14/2010	12/10/2008			TRUE	TRUE	TRUE					
29317	SR130581C	SSG	EMPLACED_CNTR	9/26/2011 23:42	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/14/2010		1/14/2010		7/9/2010	SR130581B is the parent container.		TRUE	TRUE	TRUE					
29318	SR130581D	SSG	EMPLACED_CNTR	3/24/2011 18:51	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/14/2010		1/14/2010		7/9/2010			TRUE	TRUE	TRUE					
29319	SR130582	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29320	SR130583	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29321	SR130584	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/27/1981	7/18/2003	8/31/1998	7/18/2003	2/23/1999			FALSE	TRUE	TRUE					
29322	SR130585	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29323	SR130586	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/27/1998		2/19/1999			FALSE	TRUE	TRUE					
29324	SR130587	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/27/1998		2/19/1999			FALSE	TRUE	TRUE					
29325	SR130588	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/27/1998		2/19/1999			FALSE	TRUE	TRUE					
29326	SR130589	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/27/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29327	SR130590	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/27/1981	12/18/2003	8/31/1998	12/18/2003	2/23/1999			FALSE	TRUE	TRUE					
29328	SR130591	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/3/1981	4/29/2006	8/31/1998	4/29/2006	2/23/1999			FALSE	TRUE	TRUE					
29329	SR130592	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/3/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29330	SR130594	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/3/1981		4/21/1998		10/14/1998			FALSE	TRUE	TRUE					
29331	SR130595	SSG	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/3/1981		8/31/1998		2/23/1999			FALSE	TRUE	TRUE					
29332	SR130596	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29333	SR130597	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/10/1981	7/24/2003	9/21/1998	7/24/2003	3/16/1999			FALSE	TRUE	TRUE					
29334	SR130598	SSG	EMPLACED_CNTR	11/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29335	SR130599	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/24/1998		3/19/1999			FALSE	TRUE	TRUE					
29336	SR130600	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29337	SR130601	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29338	SR130602	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29339	SR130603	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29340	SR130604	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29341	SR130605	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/10/1981	9/10/1981	9/23/1998	11/25/2006	3/18/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29342	SR130606	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/10/1981	5/16/2007	9/21/1998	5/16/2007	3/16/1999			FALSE	TRUE	TRUE					
29343	SR130607	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/1981		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29344	SR130608	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29345	SR130612	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/1981		9/22/1998		3/17/1999			FALSE	TRUE	TRUE					
29346	SR130613	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29347	SR130614	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29348	SR130615	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/15/1981	8/10/2003	8/20/1998	8/10/2003	2/12/1999			FALSE	TRUE	TRUE					
29349	SR130616	SSG	EMPLACED_CNTR	5/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1981		11/19/1998		5/14/1999			FALSE	TRUE	TRUE					
29350	SR130617	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1981		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29351	SR130618	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/24/1981	7/17/2003	9/21/1998	7/17/2003	3/16/1999			FALSE	TRUE	TRUE					
29352	SR130619	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1981		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29353	SR130621	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1981		8/19/1998		2/2/1999			FALSE	TRUE	TRUE					
29354	SR130622	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1981		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29355	SR130624	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1981		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29356	SR130625	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1981		11/30/1998		5/25/1999			FALSE	TRUE	TRUE					
29357	SR130626	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1981		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29358	SR130628	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29359	SR130629	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/6/1981	1/12/2006	8/13/1998	1/12/2006	2/5/1999			FALSE	TRUE	TRUE					
29360	SR130630	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29361	SR130631	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29362	SR130632	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/18/1998		2/11/1999			FALSE	TRUE	TRUE					
29363	SR130634	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29364	SR130635	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29365	SR130636	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/18/1998		2/10/1999			FALSE	TRUE	TRUE					
29366	SR130637	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29367	SR130638	SSG	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/6/1981	5/27/2003	8/13/1998	5/27/2003	2/5/1999			FALSE	TRUE	TRUE					
29368	SR130639	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29369	SR130641	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29370	SR130642	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29371	SR130643	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/6/1981		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29372	SR130648	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29373	SR130649	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29374	SR130650	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29375	SR130651	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29376	SR130652	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29377	SR130653	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29378	SR130654	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/15/1981	10/4/2003	10/6/1998	10/4/2003	3/31/1999			FALSE	TRUE	TRUE					
29379	SR130655	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1981		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29380	SR130656	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29381	SR130657	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29382	SR130658	SSG	EMPLACED_CNTR	1/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/15/1981	10/4/2003	10/5/1998	10/4/2003	3/30/1999			FALSE	TRUE	TRUE					
29383	SR130659	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29384	SR130660	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29385	SR130661	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29386	SR130662	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/15/1981	4/1/2008	10/7/1998	4/1/2008	4/1/1999			FALSE	TRUE	TRUE					
29387	SR130663	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29388	SR130664	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/20/1981	6/4/2007	10/7/1998	6/4/2007	4/1/1999			FALSE	TRUE	TRUE					
29389	SR130665	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/15/1981	6/4/2007	10/7/1998	6/4/2007	4/1/1999			FALSE	TRUE	TRUE					
29390	SR130666	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29391	SR130667	SSG	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/15/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29392	SR130669	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29393	SR130670	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1981		10/6/1998		3/31/1999			FALSE	TRUE	TRUE					
29394	SR130671	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29395	SR130672	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29396	SR130675	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29397	SR130676	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29398	SR130677	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1981	7/28/2003	10/6/1998	7/28/2003	3/31/1999			FALSE	TRUE	TRUE					
29399	SR130678	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		12/1/1998		5/26/1999			FALSE	TRUE	TRUE					
29400	SR130679	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1981	5/8/2004	10/7/1998	5/8/2004	4/1/1999			FALSE	TRUE	TRUE					
29401	SR130680	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29402	SR130681	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29403	SR130682	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1981	6/6/2006	10/7/1998	6/6/2006	4/1/1999			FALSE	TRUE	TRUE					
29404	SR130683	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1981	11/6/2003	10/1/1998	11/6/2003	3/26/1999			FALSE	TRUE	TRUE					
29405	SR130684	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/1/1998		3/25/1999			FALSE	TRUE	TRUE					
29406	SR130685	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1981		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29407	SR130688	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/12/1981	5/12/2004	10/1/1998	5/12/2004	3/26/1999			FALSE	TRUE	TRUE					
29408	SR130689	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29409	SR130690	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/12/1981	9/18/2003	10/5/1998	9/18/2003	3/30/1999			FALSE	TRUE	TRUE					
29410	SR130691	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/12/1981	11/17/2005	8/24/1998	11/17/2005	3/19/1999			FALSE	TRUE	TRUE					
29411	SR130692	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		9/24/1998		3/19/1999			FALSE	TRUE	TRUE					
29412	SR130693	SSG	EMPLACED_CNTR	7/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29413	SR130694	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/12/1981	9/15/2003	10/5/1998	9/15/2003	3/30/1999			FALSE	TRUE	TRUE					
29414	SR130695	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		10/7/1998		4/1/1999			FALSE	TRUE	TRUE					
29415	SR130696	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/12/1981	3/5/2003	10/5/1998	3/5/2003	3/30/1999			FALSE	TRUE	TRUE					
29416	SR130697	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29417	SR130698	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29418	SR130699	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29419	SR130700	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/19/1981	12/23/2003	10/1/1998	12/23/2003	3/29/1999			FALSE	TRUE	TRUE					
29420	SR130701	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29421	SR130702	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29422	SR130703	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		10/5/1998		3/30/1999			FALSE	TRUE	TRUE					
29423	SR130704	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29424	SR130705	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29425	SR130706	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/19/1981		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29426	SR130710	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/1/1981		8/24/1998		2/16/1999			FALSE	TRUE	TRUE					
29427	SR130712	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/8/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29428	SR130713	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/8/1981	1/7/2004	9/30/1998	1/7/2004	3/25/1999			FALSE	TRUE	TRUE					
29429	SR130714	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/8/1981		9/28/1998		3/23/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29430	SR130715	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	12/8/1981	10/3/2003	9/29/1998	10/3/2003	3/24/1999			FALSE	TRUE	TRUE					
29431	SR130716	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/8/1981		9/30/1998		3/25/1999			FALSE	TRUE	TRUE					
29432	SR130717	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/8/1981		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29433	SR130718	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/8/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29434	SR130719	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/17/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29435	SR130721	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/17/1981		9/30/1998		3/25/1999			FALSE	TRUE	TRUE					
29436	SR130722	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/17/1981		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29437	SR130723	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	12/17/1981		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29438	SR130724	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE94-C	$5300		0	12/17/1981		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29439	SR130725	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE94-C	$5300		0	1/5/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29440	SR130726	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE94-C	$5300		0	1/5/1982		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29441	SR130727	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/5/1982	6/23/2003	9/29/1998	6/23/2003	3/24/1999			FALSE	TRUE	TRUE					
29442	SR130728	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/5/1982	1/13/2006	9/28/1998	1/13/2006	3/23/1999			FALSE	TRUE	TRUE					
29443	SR130729	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/5/1982	5/14/2003	10/12/1998	5/14/2003	4/6/1999			FALSE	TRUE	TRUE					
29444	SR130730	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE94-C	$5300		0	1/5/1982		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29445	SR130731	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE94-C	$5300		0	1/5/1982		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29446	SR130732	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/5/1982		10/16/1998		4/10/1999			FALSE	TRUE	TRUE					
29447	SR130733	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/5/1982		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29448	SR130734	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/5/1982		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29449	SR130735	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/18/1998		2/10/1999			FALSE	TRUE	TRUE					
29450	SR130738	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/19/1982	4/14/2003	8/18/1998	4/14/2003	2/10/1999			FALSE	TRUE	TRUE					
29451	SR130739	SSG	EMPLACED_CNTR	11/1/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29452	SR130740	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/19/1982	5/7/2003	8/17/1998	5/7/2003	2/9/1999			FALSE	TRUE	TRUE					
29453	SR130741	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/19/1982	4/28/2003	8/17/1998	4/28/2003	2/9/1999			FALSE	TRUE	TRUE					
29454	SR130742	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29455	SR130743	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29456	SR130744	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29457	SR130745	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29458	SR130747	SSG	EMPLACED_CNTR	5/26/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29459	SR130748	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	1/19/1982	5/29/2003	8/18/1998	5/29/2003	2/10/1999			FALSE	TRUE	TRUE					
29460	SR130749	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	1/19/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29461	SR130750	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE96-C	$5300	Remediate	1	1/19/1982	5/14/2003	8/6/1998	5/14/2003	1/29/1999			FALSE	TRUE	TRUE					
29462	SR135001	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	6/29/1982	3/23/2006	7/23/1998	3/23/2006	1/15/1999			FALSE	TRUE	TRUE					
29463	SR135002	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/6/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29464	SR135003	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	7/6/1982	5/19/2003	7/27/1998	5/19/2003	1/19/1999			FALSE	TRUE	TRUE					
29465	SR135004	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	6/29/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29466	SR135005	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	6/29/1982	1/16/2004	9/10/1998	1/16/2004	3/5/1999			FALSE	TRUE	TRUE					
29467	SR135006	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	6/29/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29468	SR135007	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	6/29/1982		9/9/1998		3/4/1999			FALSE	TRUE	TRUE					
29469	SR135008	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/15/1982		8/10/1998		2/2/1999			FALSE	TRUE	TRUE					
29470	SR135009	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/15/1982		7/27/1998		1/19/1999			FALSE	TRUE	TRUE					
29471	SR135010	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/15/1982		8/10/1998		2/2/1999			FALSE	TRUE	TRUE					
29472	SR135011	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/15/1982		7/21/1998		1/15/1999			FALSE	TRUE	TRUE					
29473	SR135012	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	7/15/1982	1/10/2004	8/3/1998	1/10/2004	1/26/1999			FALSE	TRUE	TRUE					
29474	SR135013	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	7/15/1982		7/20/1998		1/12/1999			FALSE	TRUE	TRUE					
29475	SR135014	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/27/1998		1/19/1999			FALSE	TRUE	TRUE					
29476	SR135015	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/27/1998		1/19/1999			FALSE	TRUE	TRUE					
29477	SR135016	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29478	SR135017	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29479	SR135018	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		8/19/1998		2/2/1999			FALSE	TRUE	TRUE					
29480	SR135019	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/21/1998		1/13/1999			FALSE	TRUE	TRUE					
29481	SR135020	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		8/10/1998		2/2/1999			FALSE	TRUE	TRUE					
29482	SR135021	SSG	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/21/1998		1/13/1999			FALSE	TRUE	TRUE					
29483	SR135024	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/3/1982	4/23/2006	7/21/1998	4/23/2006	1/13/1999			FALSE	TRUE	TRUE					
29484	SR135025	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE96-C	$5300		0	8/3/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29485	SR135026	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/5/1982		8/26/1998		2/16/1999			FALSE	TRUE	TRUE					
29486	SR135027	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/21/1998		1/13/1999			FALSE	TRUE	TRUE					
29487	SR135028	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29488	SR135029	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/3/1982	3/20/2004	8/26/1998	3/20/2004	2/18/1999			FALSE	TRUE	TRUE					
29489	SR135030	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/3/1982		8/5/1998		1/26/1999			FALSE	TRUE	TRUE					
29490	SR135031	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/3/1982	6/5/2007	7/27/1998	6/5/2007	1/19/1999			FALSE	TRUE	TRUE					
29491	SR135032	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/12/1982	7/1/2003	7/23/1998	7/1/2003	1/15/1999			FALSE	TRUE	TRUE					
29492	SR135033	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		12/31/1999		6/24/2000			FALSE	TRUE	TRUE					
29493	SR135034	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		7/28/1998		1/26/1999			FALSE	TRUE	TRUE					
29494	SR135035	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		7/20/1998		1/12/1999			FALSE	TRUE	TRUE					
29495	SR135036	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		8/11/1998		2/3/1999			FALSE	TRUE	TRUE					
29496	SR135037	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29497	SR135038	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/12/1982	5/14/2004	9/8/1998	5/14/2004	3/3/1999			FALSE	TRUE	TRUE					
29498	SR135039	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/12/1982	5/22/2003	8/3/1998	5/22/2003	1/26/1999			FALSE	TRUE	TRUE					
29499	SR135040	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/12/1982		7/29/1998		1/21/1999			FALSE	TRUE	TRUE					
29500	SR135041	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/12/1982	3/18/2003	7/28/1998	3/18/2003	1/20/1999			FALSE	TRUE	TRUE					
29501	SR135043	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/26/1982		12/31/1999		6/24/2000			FALSE	TRUE	TRUE					
29502	SR135044	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/26/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29503	SR135045	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/26/1982	3/27/2004	8/3/1998	3/27/2004	1/26/1999			FALSE	TRUE	TRUE					
29504	SR135046	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/26/1982	7/7/2003	7/30/1998	7/7/2003	1/12/1999			FALSE	TRUE	TRUE					
29505	SR135047	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE96-C	$5300		0	8/26/1982		7/16/1998		1/8/1999			FALSE	TRUE	TRUE					
29506	SR135048	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	8/26/1982	4/13/2004	7/21/1998	4/13/2004	1/13/1999			FALSE	TRUE	TRUE					
29507	SR135049	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/26/1982		7/29/1998		1/21/1999			FALSE	TRUE	TRUE					
29508	SR135050	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/31/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29509	SR135051	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/31/1982		7/23/1998		1/14/1999			FALSE	TRUE	TRUE					
29510	SR135052	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	8/31/1982		7/29/1998		1/21/1999			FALSE	TRUE	TRUE					
29511	SR135053	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	9/2/1982		9/15/1998		3/10/1999			FALSE	TRUE	TRUE					
29512	SR135054	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	9/2/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29513	SR135055	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	9/2/1982		6/18/1998		12/9/1998			FALSE	TRUE	TRUE					
29514	SR135056	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	9/2/1982		9/15/1998		3/10/1999			FALSE	TRUE	TRUE					
29515	SR135057	SSG	EMPLACED_CNTR	3/14/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE96-C	$5300	Remediate	1	9/2/1982	5/8/2003	9/15/1998	5/8/2003	3/10/1999			FALSE	TRUE	TRUE					
29516	SR135058	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300	Remediate	1	9/2/1982	6/26/2003	6/25/1998	6/26/2003	12/18/1998			FALSE	TRUE	TRUE					
29517	SR135059	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Upd	SR-WQ27-FB-PRE86-C	$5300		0	9/2/1982		9/15/1998		3/10/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29518	SR135060	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29519	SR135061	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/9/1982	3/20/2004	6/12/1998	3/20/2004	12/15/1998			FALSE	TRUE	TRUE					
29520	SR135062	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		7/13/1998		1/5/1999			FALSE	TRUE	TRUE					
29521	SR135063	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29522	SR135064	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/11/1998		12/4/1998			FALSE	TRUE	TRUE					
29523	SR135065	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29524	SR135066	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/9/1982	4/12/2004	6/15/1998	4/12/2004	12/8/1998			FALSE	TRUE	TRUE					
29525	SR135067	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29526	SR135068	SSG	EMPLACED_CNTR	1/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/22/1998		12/15/1998			FALSE	TRUE	TRUE					
29527	SR135069	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/9/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29528	SR135070	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29529	SR135071	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/14/1982	5/30/2003	6/17/1998	5/30/2003	12/10/1998			FALSE	TRUE	TRUE					
29530	SR135072	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/14/1982	7/11/2003	6/18/1998	7/11/2003	12/11/1998			FALSE	TRUE	TRUE					
29531	SR135073	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29532	SR135074	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29533	SR135075	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/14/1982	6/5/2007	6/11/1998	6/5/2007	12/4/1998			FALSE	TRUE	TRUE					
29534	SR135076	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29535	SR135079	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/5/1982	7/16/2003	6/25/1998	7/16/2003	12/18/1998			FALSE	TRUE	TRUE					
29536	SR135080	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29537	SR135081	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/22/1998		12/15/1998			FALSE	TRUE	TRUE					
29538	SR135082	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		7/8/1998		12/31/1998			FALSE	TRUE	TRUE					
29539	SR135083	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/5/1982	10/10/2003	6/9/1998	10/10/2003	12/2/1998			FALSE	TRUE	TRUE					
29540	SR135084	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		7/8/1998		12/31/1998			FALSE	TRUE	TRUE					
29541	SR135085	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29542	SR135086	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29543	SR135088	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29544	SR135089	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/5/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29545	SR135090	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/5/1982	1/7/2004	7/8/1998	1/7/2004	12/31/1998			FALSE	TRUE	TRUE					
29546	SR135091	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/5/1982	5/1/2003	7/8/1998	5/1/2003	12/31/1998			FALSE	TRUE	TRUE					
29547	SR135092	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/5/1982	5/5/2003	6/22/1998	5/5/2003	12/15/1998			FALSE	TRUE	TRUE					
29548	SR135094	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29549	SR135095	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1982	5/25/2006	6/8/1998	5/25/2006	12/1/1998			FALSE	TRUE	TRUE					
29550	SR135096	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29551	SR135097	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29552	SR135098	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/14/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29553	SR135099	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/14/1982		6/22/1998		12/15/1998			FALSE	TRUE	TRUE					
29554	SR135101	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/14/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29555	SR135102	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/14/1982		6/25/1998		12/18/1998			FALSE	TRUE	TRUE					
29556	SR135103	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/19/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29557	SR135104	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/19/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29558	SR135106	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1982	7/11/2003	8/11/1998	7/11/2003	2/3/1999			FALSE	TRUE	TRUE					
29559	SR135107	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/26/1982		8/11/1998		2/3/1999			FALSE	TRUE	TRUE					
29560	SR135108	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1982	3/27/2003	7/16/1998	3/27/2003	1/8/1999			FALSE	TRUE	TRUE					
29561	SR135109	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1982	9/19/2003	8/12/1998	9/19/2003	2/4/1999			FALSE	TRUE	TRUE					
29562	SR135110	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1982	6/7/2003	8/12/1998	6/7/2003	2/4/1999			FALSE	TRUE	TRUE					
29563	SR135111	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1982	5/5/2003	8/11/1998	5/5/2003	2/3/1999			FALSE	TRUE	TRUE					
29564	SR135115	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/9/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29565	SR135117	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/9/1982	6/10/2008	6/22/1998	6/10/2008	12/15/1998			FALSE	TRUE	TRUE					
29566	SR135117A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/10/2008		6/10/2008		12/3/2008			TRUE	TRUE	TRUE					
29567	SR135118	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/9/1982		7/8/1998		12/31/1998			FALSE	TRUE	TRUE					
29568	SR135120	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		5/28/1998		11/20/1998			FALSE	TRUE	TRUE					
29569	SR135121	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29570	SR135122	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29571	SR135123	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/18/1982	10/11/2005	5/27/1998	10/11/2005	11/19/1998			FALSE	TRUE	TRUE					
29572	SR135124	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/18/1982	3/24/2004	5/28/1998	3/24/2004	11/20/1998			FALSE	TRUE	TRUE					
29573	SR135125	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/18/1982	4/4/2003	7/7/1998	4/4/2003	12/30/1998			FALSE	TRUE	TRUE					
29574	SR135126	SSG	EMPLACED_CNTR	8/9/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29575	SR135127	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/18/1982	5/14/2003	4/2/1998	5/14/2003	9/25/1998			FALSE	TRUE	TRUE					
29576	SR135128	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29577	SR135129	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29578	SR135130	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		6/1/1998		11/24/1998			FALSE	TRUE	TRUE					
29579	SR135131	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/18/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29580	SR135135	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		7/6/1998		12/29/1998			FALSE	TRUE	TRUE					
29581	SR135136	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		5/28/1998		11/20/1998			FALSE	TRUE	TRUE					
29582	SR135137	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/30/1982	10/5/2006	7/6/1998	10/5/2006	12/29/1998			FALSE	TRUE	TRUE					
29583	SR135138	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29584	SR135139	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29585	SR135141	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29586	SR135142	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29587	SR135143	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		6/1/1998		11/24/1998			FALSE	TRUE	TRUE					
29588	SR135144	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		5/28/1998		11/20/1998			FALSE	TRUE	TRUE					
29589	SR135145	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29590	SR135146	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29591	SR135147	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/30/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29592	SR135148	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29593	SR135149	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29594	SR135150	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29595	SR135151	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/2/1982	4/15/2003	4/7/1998	4/15/2003	9/30/1998			FALSE	TRUE	TRUE					
29596	SR135152	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29597	SR135153	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		6/1/1998		11/25/1998			FALSE	TRUE	TRUE					
29598	SR135154	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		5/19/1998		11/11/1998			FALSE	TRUE	TRUE					
29599	SR135155	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		6/1/1998		11/24/1998			FALSE	TRUE	TRUE					
29600	SR135156	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300	Lid Removal	0	12/2/1982	8/14/2003	12/31/1999	8/14/2003	6/24/2000			FALSE	TRUE	TRUE					
29601	SR135157	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29602	SR135158	SSG	EMPLACED_CNTR	10/1/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/2/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29603	SR135159	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/7/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29604	SR135160	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/7/1982		6/2/1998		11/25/1998			FALSE	TRUE	TRUE					
29605	SR135161	SSG	EMPLACED_CNTR	4/18/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29404	SR135162	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/2/1998		11/25/1998			FALSE	TRUE	TRUE					
29407	SR135163	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29408	SR135164	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/7/1982	2/1/2006	6/16/1998	2/1/2006	12/9/1998			FALSE	TRUE	TRUE					
29409	SR135165	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29410	SR135166	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29411	SR135167	SSG	EMPLACED_CNTR	6/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		7/6/1998		12/29/1998			FALSE	TRUE	TRUE					
29412	SR135168	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29413	SR135169	SSG	EMPLACED_CNTR	2/27/2011 10:22	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29414	SR135170	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/2/1998		11/25/1998			FALSE	TRUE	TRUE					
29415	SR135171	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		7/16/1998		1/8/1999			FALSE	TRUE	TRUE					
29416	SR135172	SSG	EMPLACED_CNTR	6/19/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/11/1998		12/4/1998			FALSE	TRUE	TRUE					
29417	SR135173	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/8/1998		12/1/1998			FALSE	TRUE	TRUE					
29418	SR135174	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/25/1998		12/18/1998			FALSE	TRUE	TRUE					
29419	SR135175	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/9/1998		12/2/1998			FALSE	TRUE	TRUE					
29420	SR135176	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/7/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29421	SR135177	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29422	SR135178	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/25/1998		12/18/1998			FALSE	TRUE	TRUE					
29423	SR135179	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29424	SR135180	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29425	SR135181	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1982	10/4/2006	6/8/1998	10/4/2006	12/1/1998			FALSE	TRUE	TRUE					
29426	SR135182	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29427	SR135183	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		4/7/1998		9/30/1998			FALSE	TRUE	TRUE					
29428	SR135184	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/9/1982	12/9/1982	5/19/1998	9/9/2006	11/11/1998			FALSE	TRUE	TRUE					
29429	SR135185	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29430	SR135186	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		7/7/1998		12/30/1998			FALSE	TRUE	TRUE					
29431	SR135187	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29432	SR135188	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29433	SR135189	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29434	SR135190	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/3/1998		11/26/1998			FALSE	TRUE	TRUE					
29435	SR135193	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29436	SR135194	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1982	10/4/2006	5/27/1998	10/4/2006	11/19/1998			FALSE	TRUE	TRUE					
29437	SR135195	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		6/4/1998		11/27/1998			FALSE	TRUE	TRUE					
29438	SR135196	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1982	5/21/2006	6/11/1998	5/21/2006	12/4/1998			FALSE	TRUE	TRUE					
29439	SR135196A	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1		5/21/2006		5/21/2006											
29440	SR135197	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/9/1982		5/27/1998		11/19/1998			FALSE	TRUE	TRUE					
29441	SR135198	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1982	5/15/2003	7/9/1998	5/15/2003	1/1/1999			FALSE	TRUE	TRUE					
29442	SR135199	SSG	EMPLACED_CNTR	8/8/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/14/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29443	SR135200	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/14/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29444	SR135201	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/14/1982	3/28/2006	9/8/1998	3/28/2006	3/3/1999			FALSE	TRUE	TRUE					
29445	SR135202	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/14/1982		6/15/1998		12/8/1998			FALSE	TRUE	TRUE					
29446	SR135203	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/14/1982		6/10/1998		12/3/1998			FALSE	TRUE	TRUE					
29447	SR135205	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29448	SR135206	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29449	SR135207	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	4/3/2004	6/22/1998	4/3/2004	12/15/1998			FALSE	TRUE	TRUE					
29450	SR135208	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29451	SR135209	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	8/21/2003	6/23/1998	8/21/2003	12/16/1998			FALSE	TRUE	TRUE					
29452	SR135210	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29453	SR135211	SSG	EMPLACED_CNTR	11/30/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29454	SR135212	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29455	SR135213	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29456	SR135214	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		7/9/1998		1/1/1999			FALSE	TRUE	TRUE					
29457	SR135215	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29458	SR135216	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/18/1998		12/11/1998			FALSE	TRUE	TRUE					
29459	SR135217	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29460	SR135218	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29461	SR135219	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/16/1998		12/9/1998			FALSE	TRUE	TRUE					
29462	SR135220	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29463	SR135221	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29464	SR135222	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	9/21/2003	6/15/1998	9/21/2003	12/8/1998			FALSE	TRUE	TRUE					
29465	SR135223	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/11/1998		12/4/1998			FALSE	TRUE	TRUE					
29466	SR135224	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/24/1998		12/17/1998			FALSE	TRUE	TRUE					
29467	SR135225	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29468	SR135226	SSG	EMPLACED_CNTR	10/5/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29469	SR135227	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/24/1998		12/17/1998			FALSE	TRUE	TRUE					
29470	SR135228	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29471	SR135229	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29472	SR135230	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	5/15/2003	6/23/1998	5/15/2003	12/16/1998			FALSE	TRUE	TRUE					
29473	SR135231	SSG	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/17/1998		12/10/1998			FALSE	TRUE	TRUE					
29474	SR135232	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/10/1998		12/3/1998			FALSE	TRUE	TRUE					
29475	SR135233	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	7/10/2003	6/11/1998	7/10/2003	12/4/1998			FALSE	TRUE	TRUE					
29476	SR135234	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	4/8/2003	6/16/1998	4/8/2003	12/9/1998			FALSE	TRUE	TRUE					
29477	SR135235	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	4/6/2004	6/22/1998	4/6/2004	12/15/1998			FALSE	TRUE	TRUE					
29478	SR135237	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/11/1998		12/4/1998			FALSE	TRUE	TRUE					
29479	SR135238	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/16/1982		6/22/1998		12/15/1998			FALSE	TRUE	TRUE					
29480	SR135239	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	3/27/2003	6/18/1998	3/27/2003	12/11/1998			FALSE	TRUE	TRUE					
29481	SR135240	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	9/19/2003	6/25/1998	9/19/2003	12/18/1998			FALSE	TRUE	TRUE					
29482	SR135241	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	9/5/2006	6/24/1998	9/5/2006	12/17/1998			FALSE	TRUE	TRUE					
29483	SR135242	SSG	EMPLACED_CNTR	4/28/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	11/3/2003	6/18/1998	11/3/2003	12/11/1998			FALSE	TRUE	TRUE					
29484	SR135243	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/30/1982		7/8/1998		12/31/1998			FALSE	TRUE	TRUE					
29485	SR135244	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	11/28/2003	6/22/1998	11/28/2003	12/15/1998			FALSE	TRUE	TRUE					
29486	SR135245	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	5/14/2003	7/8/1998	5/14/2003	12/31/1998			FALSE	TRUE	TRUE					
29487	SR135246	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	3/27/2004	6/24/1998	3/27/2004	12/17/1998			FALSE	TRUE	TRUE					
29488	SR135246A	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	3/27/2004		3/27/2004												
29489	SR135247	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/30/1982		6/23/1998		12/16/1998			FALSE	TRUE	TRUE					
29490	SR135248	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	12/30/1982		6/11/1998		12/4/1998			FALSE	TRUE	TRUE					
29491	SR135250	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	12/30/1982	12/6/2003	6/25/1998	12/6/2003	12/18/1998			FALSE	TRUE	TRUE					
29492	SR138751	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300	Remediate	1	1/26/1982	5/20/2003	8/24/1998	5/20/2003	2/16/1999			FALSE	TRUE	TRUE					
29493	SR138752	SSG	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	55300		0	1/26/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29694	SR138753	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29695	SR138754	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		8/24/1998		2/16/1999			FALSE	TRUE	TRUE					
29696	SR138755	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29697	SR138756	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29698	SR138758	BSG	EMPLACED_CNTR	4/4/2011 21:37	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	1/26/1982	1/29/2010	11/18/1998	1/29/2010	5/13/1999	Free liquids absorbed between overpack and candidate drum. 1/29/2010		FALSE	TRUE	TRUE					
29699	SR138759	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/26/1982	3/11/2003	8/18/1998	3/11/2003	2/10/1999			FALSE	TRUE	TRUE					
29700	SR138760	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		8/18/1998		2/10/1999			FALSE	TRUE	TRUE					
29701	SR138761	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29702	SR138762	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/26/1982		8/19/1998		2/11/1999			FALSE	TRUE	TRUE					
29703	SR138763	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/9/1982	5/31/2007	8/19/1998	5/31/2007	2/11/1999			FALSE	TRUE	TRUE					
29704	SR138764	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/9/1982	2/9/2004	8/17/1998	2/9/2004	2/9/1999			FALSE	TRUE	TRUE					
29705	SR138765	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29706	SR138766	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29707	SR138767	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/9/1982	3/21/2004	8/5/1998	3/21/2004	1/28/1999			FALSE	TRUE	TRUE					
29708	SR138768	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/18/1998		2/10/1999			FALSE	TRUE	TRUE					
29709	SR138769	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/18/1998		2/10/1999			FALSE	TRUE	TRUE					
29710	SR138770	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29711	SR138771	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29712	SR138772	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29713	SR138773	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29714	SR138774	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/9/1982	6/13/2004	8/18/1998	6/13/2004	2/10/1999			FALSE	TRUE	TRUE					
29715	SR138775	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29716	SR138776	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/9/1982	2/9/1982	8/18/1998	3/17/2004	2/10/1999			FALSE	TRUE	TRUE					
29717	SR138780	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29718	SR138781	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29719	SR138782	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/9/1982		9/3/1998		2/26/1999			FALSE	TRUE	TRUE					
29720	SR138783	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		9/30/1998		3/25/1999			FALSE	TRUE	TRUE					
29721	SR138784	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1982	5/8/2003	9/30/1998	5/8/2003	3/25/1999			FALSE	TRUE	TRUE					
29722	SR138785	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29723	SR138786	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29724	SR138787	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29725	SR138788	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1982	6/5/2007	9/29/1998	6/5/2007	3/24/1999			FALSE	TRUE	TRUE					
29726	SR138789	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/8/1998		4/2/1999			FALSE	TRUE	TRUE					
29727	SR138790	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/8/1998		4/2/1999			FALSE	TRUE	TRUE					
29728	SR138791	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/1/1998		3/26/1999			FALSE	TRUE	TRUE					
29729	SR138792	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		9/29/1998		3/24/1999			FALSE	TRUE	TRUE					
29730	SR138793	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/16/1998		4/10/1999			FALSE	TRUE	TRUE					
29731	SR138794	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1982	6/20/2003	9/24/1998	6/20/2003	3/19/1999			FALSE	TRUE	TRUE					
29732	SR138795	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29733	SR138796	SSG	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		9/30/1998		3/25/1999			FALSE	TRUE	TRUE					
29734	SR138797	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29735	SR138798	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29736	SR138799	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29737	SR138800	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29738	SR138801	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/25/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29739	SR138802	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/25/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29740	SR138803	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/25/1982	5/11/2004	8/17/1998	5/11/2004	2/9/1999			FALSE	TRUE	TRUE					
29741	SR138807	SSG	EMPLACED_CNTR	8/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29742	SR138808	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1982	5/8/2003	10/19/1998	5/8/2003	4/13/1999			FALSE	TRUE	TRUE					
29743	SR138809	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/16/1998		4/10/1999			FALSE	TRUE	TRUE					
29744	SR138810	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1982	5/28/2004	10/19/1998	5/28/2004	4/13/1999			FALSE	TRUE	TRUE					
29745	SR138811	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/16/1998		4/10/1999			FALSE	TRUE	TRUE					
29746	SR138812	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1982	6/20/2003	10/15/1998	6/20/2003	4/9/1999			FALSE	TRUE	TRUE					
29747	SR138813	SSG	APPROVED CERT		6/28/2012 13:00	recalced	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1982	1/26/2010	10/19/1998	1/26/2010		Updated BE information per MPapp email 062812		TRUE	TRUE	TRUE					
29748	SR138813A	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/27/2008		6/27/2008		12/20/2008			TRUE	TRUE	TRUE					
29749	SR138813B	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			6/27/2008		6/27/2008		8/13/2008			TRUE	TRUE	TRUE					
29750	SR138813C	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			6/27/2008		6/27/2008		8/13/2008			TRUE	TRUE	TRUE					
29751	SR138813E	SSG	EMPLACED_CNTR	3/3/2011 22:43	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/26/2010		1/26/2010		7/21/2010			TRUE	TRUE	TRUE					
29752	SR138814	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/16/1998		4/10/1999			FALSE	TRUE	TRUE					
29753	SR138815	SSG	EMPLACED_CNTR	11/23/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29754	SR138817	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		9/21/1998		3/17/1999			FALSE	TRUE	TRUE					
29755	SR138818	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29756	SR138819	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1982	5/31/2007	12/1/1998	5/31/2007	5/26/1999			FALSE	TRUE	TRUE					
29757	SR138820	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/4/1982	4/24/2004	10/15/1998	4/24/2004	4/9/1999			FALSE	TRUE	TRUE					
29758	SR138821	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29759	SR138822	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/4/1982	10/8/2003	10/13/1998	10/8/2003	4/7/1999			FALSE	TRUE	TRUE					
29760	SR138823	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/4/1982	5/24/2007	10/14/1998	5/24/2007	4/8/1999			FALSE	TRUE	TRUE					
29761	SR138824	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29762	SR138825	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29763	SR138826	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29764	SR138827	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29765	SR138828	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/4/1982	4/26/2004	10/13/1998	4/26/2004	4/7/1999			FALSE	TRUE	TRUE					
29766	SR138829	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29767	SR138830	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29768	SR138831	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/4/1982	4/22/2003	9/24/1998	4/22/2003	3/19/1999			FALSE	TRUE	TRUE					
29769	SR138832	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/4/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29770	SR138833	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29771	SR138834	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29772	SR138835	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/9/1982	5/12/2003	10/13/1998	5/12/2003	4/7/1999			FALSE	TRUE	TRUE					
29773	SR138836	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29774	SR138837	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29775	SR138838	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29776	SR138839	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		12/1/1998		5/26/1999			FALSE	TRUE	TRUE					
29777	SR138840	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/9/1982	2/26/2006	10/12/1998	2/26/2006	4/6/1999			FALSE	TRUE	TRUE					
29778	SR138841	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/9/1982	5/14/2003	10/15/1998	5/14/2003	4/9/1999			FALSE	TRUE	TRUE					
29779	SR138842	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/9/1982	5/8/2003	10/13/1998	5/8/2003	4/7/1999			FALSE	TRUE	TRUE					
29780	SR138843	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/9/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29781	SR138844	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/9/1982		10/14/1998		4/8/1999			FALSE	TRUE	TRUE					
29782	SR138845	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/9/1982		10/13/1998		4/7/1999			FALSE	TRUE	TRUE					
29783	SR138846	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	5/14/2006	8/20/1998	5/14/2006	2/12/1999			FALSE	TRUE	TRUE					
29784	SR138847	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29785	SR138848	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29786	SR138849	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	5/15/2006	8/5/1998	5/15/2006	1/28/1999			FALSE	TRUE	TRUE					
29787	SR138850	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29788	SR138851	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	5/6/2004	8/25/1998	5/6/2004	2/17/1999			FALSE	TRUE	TRUE					
29789	SR138852	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	5/22/2003	8/25/1998	5/22/2003	2/17/1999			FALSE	TRUE	TRUE					
29790	SR138853	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	6/10/2008	9/9/1998	6/10/2008	3/4/1999			TRUE	TRUE	TRUE					
29791	SR138853A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/10/2008		6/10/2008		12/3/2008			FALSE	TRUE	TRUE					
29792	SR138854	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29793	SR138855	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29794	SR138856	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29795	SR138857	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29796	SR138858	SSG	EMPLACED_CNTR	11/27/2001	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29797	SR138859	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	10/7/2003	8/20/1998	10/7/2003	2/12/1999			FALSE	TRUE	TRUE					
29798	SR138860	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/17/1998		2/9/1999			FALSE	TRUE	TRUE					
29799	SR138861	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1982	8/11/2003	8/24/1998	8/11/2003	2/16/1999			FALSE	TRUE	TRUE					
29800	SR138862	SSG	EMPLACED_CNTR	11/11/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29801	SR138863	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29802	SR138864	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/20/1998		2/12/1999			FALSE	TRUE	TRUE					
29803	SR138865	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
29804	SR138866	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29805	SR138867	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29806	SR138868	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29807	SR138869	SSG	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	1/23/2010	9/8/1998	1/23/2010	3/3/1999			TRUE	TRUE	TRUE					
29808	SR138869A	SSG	APPROVED_CERT		4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/23/2010		1/23/2010		7/18/2010			FALSE	TRUE	TRUE					
29809	SR138870	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	7/28/2003	9/17/1998	7/28/2003	3/12/1999			FALSE	TRUE	TRUE					
29810	SR138871	SSG	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		9/30/1998		3/25/1999			FALSE	TRUE	TRUE					
29811	SR138872	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/19/1998		4/13/1999			FALSE	TRUE	TRUE					
29812	SR138873	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29813	SR138874	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	8/7/2004	9/10/1998	8/7/2004	3/5/1999			FALSE	TRUE	TRUE					
29814	SR138875	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29815	SR138876	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		9/22/1998		3/17/1999			FALSE	TRUE	TRUE					
29816	SR138877	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	6/20/2003	9/10/1998	6/20/2003	3/5/1999			FALSE	TRUE	TRUE					
29817	SR138878	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/15/1998		4/9/1999			FALSE	TRUE	TRUE					
29818	SR138879	SSG	EMPLACED_CNTR	1/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29819	SR138880	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/15/1982	3/15/1982	9/17/1998	8/24/2006	3/12/1999			FALSE	TRUE	TRUE					
29820	SR138881	SSG	EMPLACED_CNTR	11/15/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29821	SR138882	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	4/21/2003	9/30/1998	4/21/2003	3/25/1999			FALSE	TRUE	TRUE					
29822	SR138883	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1982	4/29/2004	9/30/1998	4/29/2004	3/25/1999			FALSE	TRUE	TRUE					
29823	SR138884	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/15/1982		9/24/1998		3/19/1999			FALSE	TRUE	TRUE					
29824	SR138885	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/10/1998		3/5/1999			FALSE	TRUE	TRUE					
29825	SR138886	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	4/2/2003	9/28/1998	4/2/2003	3/23/1999			FALSE	TRUE	TRUE					
29826	SR138887	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29827	SR138888	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/10/1998		3/5/1999			FALSE	TRUE	TRUE					
29828	SR138889	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29829	SR138890	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/22/1998		3/17/1999			FALSE	TRUE	TRUE					
29830	SR138892	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	5/24/2007	10/12/1998	5/24/2007	4/6/1999			FALSE	TRUE	TRUE					
29831	SR138893	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29832	SR138894	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/23/1998		3/18/1999			FALSE	TRUE	TRUE					
29833	SR138895	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		10/12/1998		4/6/1999			FALSE	TRUE	TRUE					
29834	SR138896	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	6/19/2003	9/24/1998	6/19/2003	3/19/1999			FALSE	TRUE	TRUE					
29835	SR138897	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	5/15/2004	9/24/1998	5/15/2004	3/19/1999			FALSE	TRUE	TRUE					
29836	SR138898	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29837	SR138899	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/10/1998		3/5/1999			FALSE	TRUE	TRUE					
29838	SR138900	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/24/1998		3/19/1999			FALSE	TRUE	TRUE					
29839	SR138901	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29840	SR138902	SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1982		9/28/1998		3/23/1999			FALSE	TRUE	TRUE					
29841	SR138903	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	5/31/2007	9/10/1998	5/31/2007	3/5/1999			FALSE	TRUE	TRUE					
29842	SR138904	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1982	4/5/2004	9/22/1998	4/5/2004	3/17/1999			FALSE	TRUE	TRUE					
29843	SR138905	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/23/1982	3/27/2004	8/25/1998	3/27/2004	2/17/1999			FALSE	TRUE	TRUE					
29844	SR138906	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/23/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29845	SR138907	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/23/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29846	SR138908	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/23/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29847	SR138909	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/23/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29848	SR138911	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/1/1982	8/9/2003	8/5/1998	8/9/2003	1/28/1999			FALSE	TRUE	TRUE					
29849	SR138912	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29850	SR138913	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29851	SR138914	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1982		8/6/1998		1/29/1999			FALSE	TRUE	TRUE					
29852	SR138915	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1982		8/24/1998		2/16/1999			FALSE	TRUE	TRUE					
29853	SR138916	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/1/1982	5/16/2004	8/5/1998	5/16/2004	1/28/1999			FALSE	TRUE	TRUE					
29854	SR138917	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/1/1982	7/29/2003	8/25/1998	7/29/2003	2/17/1999			FALSE	TRUE	TRUE					
29855	SR138918	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/1/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29856	SR138919	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/6/1982	7/9/2003	8/6/1998	7/9/2003	1/29/1999			FALSE	TRUE	TRUE					
29857	SR138920	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29858	SR138922	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/26/1998		2/18/1999			FALSE	TRUE	TRUE					
29859	SR138923	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/24/1998		2/16/1999			FALSE	TRUE	TRUE					
29860	SR138924	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/24/1998		2/16/1999			FALSE	TRUE	TRUE					
29861	SR138925	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/6/1982	5/21/2003	9/3/1998	5/21/2003	2/26/1999			FALSE	TRUE	TRUE					
29862	SR138926	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/6/1982	4/21/2003	8/6/1998	4/21/2003	1/29/1999			FALSE	TRUE	TRUE					
29863	SR138927	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		9/18/1998		3/5/1999			FALSE	TRUE	TRUE					
29864	SR138928	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/6/1982	8/10/2003	8/24/1998	8/10/2003	2/16/1999			FALSE	TRUE	TRUE					
29865	SR138929	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/6/1982	6/4/2007	8/27/1998	6/4/2007	2/19/1999			FALSE	TRUE	TRUE					
29866	SR138931	SSG	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29867	SR138932	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/6/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29868	SR138933	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/15/1982		7/13/1998		1/15/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29869	SR138934	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/15/1982	6/3/2008	7/28/1998	6/3/2008	1/20/1999			FALSE	TRUE	TRUE					
29870	SR138934A	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/2008		6/3/2008		11/26/2008			TRUE	TRUE	TRUE					
29871	SR138935	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/15/1982	4/4/2004	8/3/1998	4/4/2004	1/26/1999			FALSE	TRUE	TRUE					
29872	SR138936	SSG	EMPLACED_CNTR	6/25/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		7/28/1998		1/20/1999			TRUE	TRUE	TRUE					
29873	SR138937	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29874	SR138938	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		7/28/1998		1/20/1999			FALSE	TRUE	TRUE					
29875	SR138939	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		7/23/1998		1/15/1999			FALSE	TRUE	TRUE					
29876	SR138940	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/15/1982	8/4/2003	8/4/1998	8/4/2003	1/27/1999			FALSE	TRUE	TRUE					
29877	SR138941	SSG	EMPLACED_CNTR	11/10/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29878	SR138942	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29879	SR138943	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/15/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29880	SR138945	SSG	EMPLACED_CNTR	11/3/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/13/1982	6/11/2006	8/4/1998	6/11/2006	1/27/1999			FALSE	TRUE	TRUE					
29881	SR138946	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		7/28/1998		1/20/1999			FALSE	TRUE	TRUE					
29882	SR138947	SSG	EMPLACED_CNTR	5/21/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/13/1982	4/8/2008	7/28/1998	4/8/2008	1/20/1999			FALSE	TRUE	TRUE					
29883	SR138948	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		8/4/1998		1/27/1999			FALSE	TRUE	TRUE					
29884	SR138949	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/27/1982	8/7/2004	9/26/1996	8/7/2004	3/23/1999			FALSE	TRUE	TRUE					
29885	SR138950	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/27/1982	9/11/2008	9/17/1996	9/11/2008	3/12/1999			FALSE	TRUE	TRUE					
29886	SR138951	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/27/1982		9/24/1996		3/19/1999			FALSE	TRUE	TRUE					
29887	SR138952	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/27/1982		9/21/1998		3/16/1999			FALSE	TRUE	TRUE					
29888	SR138953	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/27/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29889	SR138955	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/27/1982		9/22/1998		3/17/1999			FALSE	TRUE	TRUE					
29890	SR138956	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/27/1982	4/13/2004	9/28/1998	4/13/2004	3/23/1999			FALSE	TRUE	TRUE					
29891	SR138957	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/27/1982		9/24/1998		3/19/1999			FALSE	TRUE	TRUE					
29892	SR138958	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		8/5/1998		1/28/1999			FALSE	TRUE	TRUE					
29893	SR138959	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		8/11/1998		2/3/1999			FALSE	TRUE	TRUE					
29894	SR138960	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		8/10/1998		2/2/1999			FALSE	TRUE	TRUE					
29895	SR138961	SSG	EMPLACED_CNTR	10/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/13/1982	3/25/2008	8/4/1998	3/25/2008	1/27/1999			TRUE	TRUE	TRUE					
29896	SR138961A	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	3/25/2008		3/25/2008		9/17/2008			FALSE	TRUE	TRUE					
29897	SR138963	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/13/1982		8/3/1998		1/26/1999			FALSE	TRUE	TRUE					
29898	SR138964	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/8/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29899	SR138965	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/20/1982		9/15/1998		3/10/1999			FALSE	TRUE	TRUE					
29900	SR138966	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/20/1982		9/15/1998		3/10/1999			FALSE	TRUE	TRUE					
29901	SR138968	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/1982		9/10/1998		3/5/1999			FALSE	TRUE	TRUE					
29902	SR138969	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/1982		7/29/1998		1/21/1999			FALSE	TRUE	TRUE					
29903	SR138970	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/3/1982	5/5/2003	6/22/1998	5/5/2003	12/15/1998			FALSE	TRUE	TRUE					
29904	SR138971	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/3/1982	2/11/2004	7/16/1998	2/11/2004	1/8/1999			FALSE	TRUE	TRUE					
29905	SR138972	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/1982		7/16/1998		1/8/1999			FALSE	TRUE	TRUE					
29906	SR138973	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/1982		8/11/1998		2/3/1999			FALSE	TRUE	TRUE					
29907	SR138974	SSG	EMPLACED_CNTR	12/9/2002	4/29/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/1982		7/16/1998		1/4/1999			FALSE	TRUE	TRUE					
29908	SR138975	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29909	SR138976	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29910	SR138978	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/8/1982		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29911	SR138979	SSG	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/8/1982		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29912	SR138980	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/8/1982	5/16/2006	9/1/1998	5/16/2006	2/24/1999			FALSE	TRUE	TRUE					
29913	SR138981	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/8/1982		9/16/1998		3/11/1999			FALSE	TRUE	TRUE					
29914	SR138982	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/15/1982	5/10/2007	9/8/1998	5/10/2007	3/3/1999			FALSE	TRUE	TRUE					
29915	SR138984	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29916	SR138985	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29917	SR138986	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		8/26/1998		2/18/1999			FALSE	TRUE	TRUE					
29918	SR138987	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/2/1998		2/25/1999			FALSE	TRUE	TRUE					
29919	SR138988	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/2/1998		2/25/1999			FALSE	TRUE	TRUE					
29920	SR138989	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		8/26/1998		2/18/1999			FALSE	TRUE	TRUE					
29921	SR138990	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/1/1998		2/24/1999			FALSE	TRUE	TRUE					
29922	SR138991	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/2/1998		2/25/1999			FALSE	TRUE	TRUE					
29923	SR138992	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/15/1982		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
29924	SR138993	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/15/1982	9/21/2003	9/1/1998	9/21/2003	2/24/1999			FALSE	TRUE	TRUE					
29925	SR138994	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/23/1982		7/20/1998		1/12/1999			FALSE	TRUE	TRUE					
29926	SR138995	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/23/1982		8/10/1998		2/2/1999			FALSE	TRUE	TRUE					
29927	SR138996	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/29/1982		7/27/1998		1/19/1999			FALSE	TRUE	TRUE					
29928	SR138998	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/29/1982		8/25/1998		2/17/1999			FALSE	TRUE	TRUE					
29929	SR138999	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/29/1982		8/3/1998		1/26/1999			TRUE	TRUE	TRUE					
29930	SR142270	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/13/1984		7/9/1993		1/1/1994			TRUE	TRUE	TRUE					
29931	SR142271	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/26/1984		7/13/1993		1/5/1994										
29932	SR142272	SSG	APPROVED_CERT		10/11/2012 17:29	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	7/13/1984	10/9/2012	6/12/2006	10/9/2012		221-F-55113	- Rpkgd into SR142272A - Rpkgd into SR142272B - Rpkgd into SR142272C	TRUE	TRUE	TRUE					
29933	SR142272A	SSG	APPROVED_CERT		10/11/2012 17:28	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	10/9/2012		10/9/2012				- Rpkgd was SR142272	TRUE	TRUE	TRUE			SR142272		Daughter
29934	SR142272B	SSG	APPROVED_CERT		10/11/2012 17:28	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	10/9/2012		10/9/2012				- Rpkgd was SR142272	TRUE	TRUE	TRUE			SR142272		Daughter
29935	SR142272C	SSG	APPROVED_CERT		10/11/2012 17:28	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	10/9/2012		10/9/2012				- Rpkgd was SR142272	TRUE	TRUE	TRUE			SR142272		Daughter
29936	SR142273	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	VAP Vent	0	7/23/1984	7/23/1984	7/13/1993	12/12/2006	1/5/1994			TRUE	TRUE	TRUE					
29937	SR142274	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	7/15/2003	7/8/1993	7/15/2003	12/31/1993			TRUE	TRUE	TRUE					
29938	SR142275	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	6/16/2003	7/8/1993	6/16/2003	12/31/1993			TRUE	TRUE	TRUE					
29939	SR142276	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		1/3/1994			TRUE	TRUE	TRUE					
29940	SR142363	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
29941	SR142364	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/11/1993		1/13/1994			TRUE	TRUE	TRUE					
29942	SR142365	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
29943	SR142366	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
29944	SR142367	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
29945	SR142368	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	9/21/2003	7/30/1993	9/21/2003	1/22/1994			TRUE	TRUE	TRUE					
29946	SR142369	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/23/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
29947	SR142370	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/25/1984	6/19/2003	6/22/1993	6/19/2003	12/15/1993			TRUE	TRUE	TRUE					
29948	SR142372	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/25/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
29949	SR142373	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/25/1984	6/7/2003	6/18/1993	6/7/2003	12/31/1993			TRUE	TRUE	TRUE					
29950	SR142374	SSG	EMPLACED_CNTR	1/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/25/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
29951	SR142375	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/25/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
29952	SR142376	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/25/1984	3/13/2006	7/22/1993	3/13/2006	1/14/1994			TRUE	TRUE	TRUE					
29953	SR142377	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	7/25/1984	11/18/2006	7/22/1993	11/18/2006	1/14/1994			TRUE	TRUE	TRUE					
29954	SR142378	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		11/18/2006		11/18/2006											
29955	SR142378A	SSG	EMPLACED_CNTR	4/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	7/25/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
29956	SR142379	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
29958	SR142380	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/27/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
29957	SR142381	55G	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	5/12/2004	7/14/1993	5/12/2004	1/6/1994			TRUE	TRUE	TRUE					
29956	SR142382	85G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	9/6/2007	9/24/1993	9/6/2007	3/19/1954			TRUE	TRUE	TRUE					
29959	SR142383	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/25/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
29960	SR142384	55G	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	9/18/2008	9/23/1993	9/18/2008	3/18/1994			TRUE	TRUE	TRUE					
29961	SR142386	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	5/24/2006	7/15/1993	5/24/2006	1/7/1994			TRUE	TRUE	TRUE					
29962	SR142387	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/25/1984		7/06/1993		1/12/1994			TRUE	TRUE	TRUE					
29963	SR142388	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	3/30/2003	6/25/1993	3/30/2003	12/18/1993			TRUE	TRUE	TRUE					
29964	SR142389	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	2/28/2004	6/18/1993	2/28/2004	12/11/1993			TRUE	TRUE	TRUE					
29965	SR142389A	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		2/28/2004		2/28/2004											
29966	SR142390	55G	EMPLACED_CNTR	1/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/25/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
29967	SR142391	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/25/1984	2/10/2004	7/16/1993	2/10/2004	1/8/1994			TRUE	TRUE	TRUE					
29968	SR142392	55G	EMPLACED_CNTR	11/2/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
29969	SR142393	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/31/1984	6/16/2003	6/18/1993	6/16/2003	12/11/1993			TRUE	TRUE	TRUE					
29970	SR142394	55G	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
29971	SR142395	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
29972	SR142396	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/9/1984	10/9/2007	6/22/1993	10/9/2007	12/15/1993			TRUE	TRUE	TRUE					
29973	SR142397	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
29974	SR142398	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		6/23/1993		12/15/1993			TRUE	TRUE	TRUE					
29975	SR142399	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
29976	SR142400	55G	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
29977	SR142401	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
29978	SR142402	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
29979	SR142403	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/9/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
29960	SR142404	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
29981	SR142405	55G	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
29982	SR142406	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
29983	SR142407	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/31/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
29984	SR142408	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/31/1984	10/4/2006	7/20/1993	10/4/2006	1/12/1994			TRUE	TRUE	TRUE					
29985	SR142408A	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		10/4/2006		10/4/2006											
29986	SR144751	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/28/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
29987	SR144753	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	7/7/1983	1/10/2006	7/30/1998	1/10/2006	1/22/1999			TRUE	TRUE	TRUE					
29988	SR144754	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/7/1983	8/3/2004	9/14/1998	8/3/2004	3/9/1999			TRUE	TRUE	TRUE					
29989	SR144755	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/7/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
29990	SR144756	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/7/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
29991	SR144757	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		9/1/1998		2/24/1999			TRUE	TRUE	TRUE					
29992	SR144758	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		9/1/1998		2/24/1999			TRUE	TRUE	TRUE					
29993	SR144759	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
29994	SR144760	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
29995	SR144761	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
29996	SR144762	55G	EMPLACED_CNTR	5/7/2009	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		8/24/1998		2/16/1999			TRUE	TRUE	TRUE					
29997	SR144763	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		8/25/1998		2/17/1999			TRUE	TRUE	TRUE					
29998	SR144764	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/7/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
29999	SR144765	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/7/1983		8/25/1998		2/17/1999			TRUE	TRUE	TRUE					
30000	SR144766	55G	EMPLACED_CNTR	11/5/2002	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/7/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
30001	SR144767	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	7/12/1983	3/12/2003	8/12/1998	3/12/2003	2/4/1999			TRUE	TRUE	TRUE					
30002	SR144768	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/12/1983		7/14/1998		1/6/1999			TRUE	TRUE	TRUE					
30003	SR144769	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/12/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
30004	SR144770	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/12/1983		8/12/1998		2/4/1999			TRUE	TRUE	TRUE					
30005	SR144771	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	7/12/1983	4/11/2003	7/29/1998	4/11/2003	1/21/1999			TRUE	TRUE	TRUE					
30006	SR144771A	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	4/11/2003	4/11/2003	4/11/2003	4/11/2003	10/4/2003			TRUE	TRUE	TRUE					
30007	SR144772	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/12/1983		7/13/1998		1/5/1999			TRUE	TRUE	TRUE					
30008	SR144773	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/12/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
30009	SR144774	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/14/1983		8/26/1998		2/18/1999			TRUE	TRUE	TRUE					
30010	SR144775	55G	EMPLACED_CNTR	12/27/2002	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	7/14/1983	7/2/2003	8/12/1998	7/2/2003	2/4/1999			TRUE	TRUE	TRUE					
30011	SR144776	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300	Remediate	1	7/14/1983	5/1/2006	8/10/1998	5/1/2006	2/2/1999			TRUE	TRUE	TRUE					
30012	SR144777	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/14/1983		8/4/1998		1/27/1999			TRUE	TRUE	TRUE					
30013	SR144778	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/14/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30014	SR144779	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/14/1983		8/3/1998		1/29/1999			TRUE	TRUE	TRUE					
30015	SR144783	55G	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/19/1983		7/27/1998		1/19/1999			TRUE	TRUE	TRUE					
30016	SR144784	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30017	SR144785	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-WB27-FB-PRE86-C	S5300		0	7/19/1983		7/27/1998		1/19/1999			TRUE	TRUE	TRUE					
30018	SR144786	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
30019	SR144794	55G	EMPLACED_CNTR	11/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
30020	SR144795	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		7/14/1998		1/6/1999			TRUE	TRUE	TRUE					
30021	SR144796	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		7/9/1998		1/1/1999			TRUE	TRUE	TRUE					
30022	SR144797	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
30023	SR144798	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	7/28/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					
30024	SR144799	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/2/1983		9/9/1998		3/4/1999			TRUE	TRUE	TRUE					
30025	SR144800	55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/2/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
30026	SR144801	55G	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/2/1983		7/14/1998		1/6/1999			TRUE	TRUE	TRUE					
30027	SR144802	55G	EMPLACED_CNTR	2/9/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/2/1983	1/8/2007	9/9/1998	1/8/2007	3/4/1999			TRUE	TRUE	TRUE					
30028	SR144805	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/2/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
30029	SR144804	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/2/1983	3/22/2004	9/15/1998	3/22/2004	1/10/1999			TRUE	TRUE	TRUE					
30030	SR144806	55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		8/12/1998		2/4/1999			TRUE	TRUE	TRUE					
30031	SR144807	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30032	SR144808	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
30033	SR144809	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/11/1983	1/16/2004	7/13/1998	1/16/2004	1/5/1999			TRUE	TRUE	TRUE					
30034	SR144810	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30035	SR144811	55G	EMPLACED_CNTR	1/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/15/1983		8/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30036	SR144812	85G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	8/11/1983	8/11/1983	11/19/1998	10/26/2006	5/16/1999			TRUE	TRUE	TRUE					
30037	SR144813	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
30038	SR144816	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/16/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
30039	SR144817	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30040	SR144818	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/11/1983		9/24/1998		3/19/1999			TRUE	TRUE	TRUE					
30041	SR144819	55G	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/16/1983		8/13/1998		2/3/1999			TRUE	TRUE	TRUE					
30042	SR144820	55G	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/16/1983	12/23/2003	7/30/1998	12/23/2003	1/22/1999			TRUE	TRUE	TRUE					
30043	SR144822	55G	EMPLACED_CNTR	1/10/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/16/1983	11/2/2006	6/24/1998	11/2/2006	12/17/1998			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30044	SR144824	55G	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/16/1983	5/16/2004	7/13/1998	5/16/2004	1/5/1999			TRUE	TRUE	TRUE					
30045	SR144825	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30046	SR144826	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/23/1983		7/28/1998		1/20/1999			TRUE	TRUE	TRUE					
30047	SR144827	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/23/1983		6/23/1998		12/16/1998			TRUE	TRUE	TRUE					
30048	SR144828	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/25/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30049	SR144829	55G	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/25/1983	11/9/2005	6/24/1998	11/9/2005	12/17/1998			TRUE	TRUE	TRUE					
30050	SR144831	55G	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/25/1983	7/14/2003	6/17/1998	7/14/2003	12/10/1998			TRUE	TRUE	TRUE					
30051	SR144831A	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/14/2003	7/14/2003	7/14/2003	7/14/2003	1/6/2004			TRUE	TRUE	TRUE					
30052	SR144832	55G	EMPLACED_CNTR	11/17/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/25/1983		6/18/1998		12/11/1998			TRUE	TRUE	TRUE					
30053	SR144833	55G	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/25/1983	6/18/2004	5/18/1998	6/18/2004	11/10/1998			TRUE	TRUE	TRUE					
30054	SR144834	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30055	SR144835	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/15/1983	4/30/2006	6/22/1998	4/30/2006	12/15/1998			TRUE	TRUE	TRUE					
30056	SR144837	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30057	SR144838	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/16/1998		12/9/1998			TRUE	TRUE	TRUE					
30058	SR144839	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30059	SR144840	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		7/8/1998		12/31/1998			TRUE	TRUE	TRUE					
30060	SR144841	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30061	SR144842	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30062	SR144843	55G	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/15/1983	7/10/2003	6/16/1998	7/10/2003	12/9/1998			TRUE	TRUE	TRUE					
30063	SR144844	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/11/1998		12/4/1998			TRUE	TRUE	TRUE					
30064	SR144845	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30065	SR144846	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/18/1998		12/11/1998			TRUE	TRUE	TRUE					
30066	SR144847	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/11/1998		12/4/1998			TRUE	TRUE	TRUE					
30067	SR144848	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/15/1983	6/12/2004	6/11/1998	6/12/2004	12/4/1998			TRUE	TRUE	TRUE					
30068	SR144849	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30069	SR144850	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30070	SR144851	55G	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30071	SR148751	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30072	SR148752	55G	EMPLACED_CNTR	4/14/2012 14:54	8/1/2011 13:20	mccabed	SR-W027-FB-PRE86-C	55300	Remediation	0	9/15/1983	6/14/2011	11/23/1998	6/14/2011		Changed containertype per MPapp email 080111.		TRUE	TRUE	TRUE					
30073	SR148753	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30074	SR148754	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30075	SR148755	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/16/1998		12/9/1998			TRUE	TRUE	TRUE					
30076	SR148756	55G	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		6/18/1998		12/11/1998			TRUE	TRUE	TRUE					
30077	SR148757	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/15/1983		7/6/1998		12/29/1998			TRUE	TRUE	TRUE					
30078	SR148758	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/22/1983	8/8/2003	7/6/1998	8/8/2003	12/29/1998			TRUE	TRUE	TRUE					
30079	SR148759	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30080	SR148760	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		6/4/1998		11/27/1998			TRUE	TRUE	TRUE					
30081	SR148762	55G	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/22/1983	4/3/2004	6/3/1998	4/3/2004	11/26/1998			TRUE	TRUE	TRUE					
30082	SR148763	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/22/1983	4/2/2003	6/2/1998	4/2/2003	11/25/1998			TRUE	TRUE	TRUE					
30083	SR148764	55G	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30084	SR148765	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30085	SR148766	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/22/1983	3/26/2003	6/4/1998	3/26/2003	11/27/1998			TRUE	TRUE	TRUE					
30086	SR148767	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		6/22/1998		12/15/1998			TRUE	TRUE	TRUE					
30087	SR148768	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/22/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30088	SR148769	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30089	SR148770	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30090	SR148771	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/29/1983	4/17/2004	9/8/1998	4/17/2004	3/3/1999			TRUE	TRUE	TRUE					
30091	SR148771A	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		4/17/2004		4/17/2004											
30092	SR148772	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30093	SR148773	55G	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1983	10/8/2003	5/27/1998	10/8/2003	11/19/1998			TRUE	TRUE	TRUE					
30094	SR148774	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/18/1983	7/7/2003	5/26/1998	7/7/2003	11/18/1998			TRUE	TRUE	TRUE					
30095	SR148775	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30096	SR148776	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		5/27/1998		11/19/1998			TRUE	TRUE	TRUE					
30097	SR148777	55G	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30098	SR148778	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/29/1983	3/23/2004	6/1/1998	3/23/2004	11/24/1998			TRUE	TRUE	TRUE					
30099	SR148779	55G	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30100	SR148780	55G	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/29/1983		7/6/1998		12/29/1998			TRUE	TRUE	TRUE					
30101	SR148781	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30102	SR148782	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1983	12/17/2003	5/17/1998	12/17/2003	11/19/1998			TRUE	TRUE	TRUE					
30103	SR148783	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1983	4/4/2004	5/27/1998	4/4/2004	11/19/1998			TRUE	TRUE	TRUE					
30104	SR148784	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		4/22/1998		10/15/1998			TRUE	TRUE	TRUE					
30105	SR148785	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1983	7/1/2003	5/27/1998	7/1/2003	11/19/1998			TRUE	TRUE	TRUE					
30106	SR148786	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30107	SR148787	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30108	SR148788	55G	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1983	4/8/2003	6/2/1998	4/8/2003	11/25/1998			TRUE	TRUE	TRUE					
30109	SR148789	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/13/1983		5/18/1998		11/10/1998			TRUE	TRUE	TRUE					
30110	SR148790	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/13/1983		5/14/1998		11/6/1998			TRUE	TRUE	TRUE					
30111	SR148791	55G	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/13/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30112	SR148792	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/13/1983		5/18/1998		11/10/1998			TRUE	TRUE	TRUE					
30113	SR148793	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/13/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30114	SR148794	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/13/1983	4/23/2003	5/21/1998	4/23/2003	11/13/1998			TRUE	TRUE	TRUE					
30115	SR148795	55G	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/18/1983	3/27/2003	5/26/1998	3/27/2003	11/18/1998			TRUE	TRUE	TRUE					
30116	SR148796	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30117	SR148798	55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/18/1983	10/17/2006	5/26/1998	10/17/2006	11/18/1998			TRUE	TRUE	TRUE					
30118	SR148800	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30119	SR148801	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30120	SR148802	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30121	SR148803	55G	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/18/1983	10/18/1983	5/26/1998	11/11/2006	11/18/1998			TRUE	TRUE	TRUE					
30122	SR148806	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30123	SR148807	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1983		4/2/1998		9/25/1998			TRUE	TRUE	TRUE					
30124	SR148808	55G	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/25/1983		4/6/1998		9/29/1998			TRUE	TRUE	TRUE					
30125	SR148810	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/1/1983		4/6/1998		9/29/1998			TRUE	TRUE	TRUE					
30126	SR148811	55G	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/1/1983		4/22/1998		10/15/1998			TRUE	TRUE	TRUE					
30127	SR148812	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/1/1983	1/8/2007	5/13/1998	1/8/2007	11/5/1998			TRUE	TRUE	TRUE					
30128	SR148813	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/3/1983		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30129	SR148814	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/3/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30130	SR148815	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/3/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30131	SR148816	55G	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/3/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30132	SR148818	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/3/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30133	SR148819	SSG	EMPLACED_CNTR	8/31/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/3/1983	11/10/2006	8/13/1993	11/10/2006	2/5/1994			TRUE	TRUE	TRUE					
30134	SR148820	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/3/1983	6/21/2006	8/10/1993	6/21/2006	2/3/1994			TRUE	TRUE	TRUE					
30135	SR148821	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	11/3/1983	11/3/1983	8/4/1993	10/12/2005	1/27/1994			TRUE	TRUE	TRUE					
30136	SR148822	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30137	SR148823	SSG	EMPLACED_CNTR	5/10/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30138	SR148824	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30139	SR148829	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30140	SR148830	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	11/15/1983	11/15/1983	7/28/1993	9/5/2005	1/20/1994			TRUE	TRUE	TRUE					
30141	SR148831	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1983	11/3/2006	7/29/1993	11/3/2006	1/21/1994			TRUE	TRUE	TRUE					
30142	SR148832	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30143	SR148833	SSG	EMPLACED_CNTR	12/3/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1983	11/1/2006	7/30/1993	11/1/2006	1/22/1994			TRUE	TRUE	TRUE					
30144	SR148834	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	11/15/1983	11/15/1983	7/29/1993	9/6/2005	1/21/1994			TRUE	TRUE	TRUE					
30145	SR148835	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1983	2/9/2004	7/28/1993	2/9/2004	1/20/1994			TRUE	TRUE	TRUE					
30146	SR148836	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30147	SR148837	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/17/1983	6/7/2003	7/30/1993	6/7/2003	1/22/1994			TRUE	TRUE	TRUE					
30148	SR148838	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30149	SR148839	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30150	SR148840	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30151	SR148841	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30152	SR148842	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/15/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30153	SR148843	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/17/1983	5/14/2006	7/27/1993	5/14/2006	1/19/1994			TRUE	TRUE	TRUE					
30154	SR148843A	SSG	EMPLACED_CNTR	4/11/2013 15:07	3/15/2012 21:04	deccabed	SR-W027-FB-PRE86-C	S5300			5/14/2008	3/8/2012	5/14/2008	3/8/2012		SWD061328 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
30155	SR148844	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/17/1983	1/20/2004	7/30/1993	1/20/2004	1/22/1994			TRUE	TRUE	TRUE					
30156	SR148845	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/17/1983	10/5/2006	8/10/1993	10/5/2006	2/2/1994			TRUE	TRUE	TRUE					
30157	SR148846	SSG	EMPLACED_CNTR	6/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/17/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30158	SR148847	SSG	EMPLACED_CNTR	11/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/17/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30159	SR148848	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/7/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30160	SR148849	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/17/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30161	SR148850	SSG	EMPLACED_CNTR	7/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/17/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30162	SR148851	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/22/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30163	SR148852	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/22/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30164	SR148853	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/22/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30165	SR148854	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/22/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30166	SR148855	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/23/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30167	SR148856	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	11/12/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30168	SR148857	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30169	SR148858	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30170	SR148859	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30171	SR148860	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30172	SR148861	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30173	SR148862	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30174	SR148863	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30175	SR148864	SSG	EMPLACED_CNTR	7/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30176	SR148865	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/8/1983	7/31/2003	7/30/1993	7/31/2003	1/22/1994			TRUE	TRUE	TRUE					
30177	SR148866	SSG	EMPLACED_CNTR	11/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30178	SR148867	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/8/1983	11/30/2006	8/3/1993	11/30/2006	1/26/1994			TRUE	TRUE	TRUE					
30179	SR148868	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30180	SR148869	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30181	SR148870	SSG	EMPLACED_CNTR	4/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/8/1983	10/31/2006	7/30/1993	10/31/2006	1/22/1994			TRUE	TRUE	TRUE					
30182	SR148871	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/8/1983		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30183	SR148872	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/8/1983	1/25/2006	7/28/1993	1/25/2006	1/20/1994			TRUE	TRUE	TRUE					
30184	SR148873	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1983	5/18/2004	7/27/1993	5/18/2004	1/19/1994			TRUE	TRUE	TRUE					
30185	SR148874	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1983	5/6/2003	7/28/1993	5/6/2003	1/20/1994			TRUE	TRUE	TRUE					
30186	SR148875	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30187	SR148876	SSG	EMPLACED_CNTR	11/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30188	SR148877	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30189	SR148878	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1983	6/12/2003	7/27/1993	6/12/2003	1/19/1994			TRUE	TRUE	TRUE					
30190	SR148879	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30191	SR148880	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1983	7/22/2003	7/27/1993	7/22/2003	1/19/1994			TRUE	TRUE	TRUE					
30192	SR148881	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30193	SR148882	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1983		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
30194	SR148883	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	9/28/2003	7/27/1993	9/28/2003	1/19/1994			TRUE	TRUE	TRUE					
30195	SR148884	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30196	SR148885	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	10/9/2003	8/10/1993	10/9/2003	2/2/1994			TRUE	TRUE	TRUE					
30197	SR148886	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	5/3/2004	8/6/1993	5/3/2004	1/29/1994			TRUE	TRUE	TRUE					
30198	SR148887	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/29/1983	12/29/1983	7/27/1993	11/13/2006	1/19/1994			TRUE	TRUE	TRUE					
30199	SR148888	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	5/13/2004	8/3/1993	5/13/2004	1/26/1994			TRUE	TRUE	TRUE					
30200	SR148889	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30201	SR148890	SSG	EMPLACED_CNTR	4/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30202	SR148891	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	4/18/2006	7/29/1993	4/18/2006	1/21/1994			TRUE	TRUE	TRUE					
30203	SR148892	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30204	SR148893	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30205	SR148894	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	2/6/2004	8/3/1993	2/6/2004	1/26/1994			TRUE	TRUE	TRUE					
30206	SR148895	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30207	SR148896	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30208	SR148897	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	4/24/2004	8/10/1993	4/24/2004	2/2/1994			TRUE	TRUE	TRUE					
30209	SR148898	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30210	SR148899	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30211	SR148900	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30212	SR148901	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/1983		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
30213	SR148902	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/17/1984		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30214	SR148903	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1984	12/12/2005	7/30/1993	12/12/2005	1/22/1994			TRUE	TRUE	TRUE					
30215	SR148904	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/17/1984		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30216	SR148905	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/17/1984		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30217	SR148906	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/17/1984		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30218	SR148907	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1984	2/5/2004	7/27/1993	2/5/2004	1/19/1994			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30219	SR148908	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/17/1984		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30220	SR148909	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/17/1984	7/31/2003	7/29/1993	7/31/2003	1/21/1994			TRUE	TRUE	TRUE					
30221	SR148910	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/17/1984		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
30222	SR148916	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/17/1984		7/28/1993		1/20/1994			TRUE	TRUE	TRUE					
30223	SR148918	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/26/1984	8/11/2003	7/30/1993	8/11/2003	1/21/1994			TRUE	TRUE	TRUE					
30224	SR148930	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/31/1984	6/10/2004	8/3/1993	6/10/2004	1/26/1994			TRUE	TRUE	TRUE					
30225	SR148931	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30226	SR148932	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/31/1984	9/18/2003	7/29/1993	9/18/2003	1/21/1994			TRUE	TRUE	TRUE					
30227	SR148933	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30228	SR148934	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30229	SR148935	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30230	SR148936	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30231	SR148937	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
30232	SR148938	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/30/1993		1/23/1994			TRUE	TRUE	TRUE					
30233	SR148939	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
30234	SR148940	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30235	SR148941	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30236	SR148942	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/5/1993		1/26/1994			TRUE	TRUE	TRUE					
30237	SR148943	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
30238	SR148944	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30239	SR148945	SSG	EMPLACED_CNTR	8/29/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/2/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
30240	SR148946	SSG	EMPLACED_CNTR	11/15/2012 12:50	10/11/2011 15:20	mccabed	SR-WQ27-FB-PRE86-C	S5300	Remediation	0	2/7/1984	10/5/2011	9/23/1993	10/5/2011			- Rpkgd into SR148946A - Rpkgd was SR148946	TRUE	TRUE	TRUE			SR148946		Daughter
30241	SR148946A	SSG	EMPLACED_CNTR	12/15/2012 10:54	10/11/2011 15:20	mccabed	SR-WQ27-FB-PRE86-C	S5300	None	0	10/5/2011		10/5/2011					TRUE	TRUE	TRUE					
30242	SR148947	SSG	EMPLACED_CNTR	6/27/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30243	SR148948	SSG	EMPLACED_CNTR	6/20/2007	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30244	SR148949	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
30245	SR148950	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/7/1984	9/14/2003	8/4/1993	9/14/2003	1/27/1994			TRUE	TRUE	TRUE					
30246	SR148951	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30247	SR148952	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/7/1984	4/30/2003	8/5/1993	4/30/2003	1/28/1994			TRUE	TRUE	TRUE					
30248	SR148953	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/7/1984	9/20/2003	8/5/1993	9/20/2003	1/28/1994			TRUE	TRUE	TRUE					
30249	SR148954	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/7/1984	4/4/2004	8/17/1993	4/4/2004	2/9/1994			TRUE	TRUE	TRUE					
30250	SR148954A	SSG	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		9/8/2007		9/8/2007											
30251	SR148955	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30252	SR148957	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
30253	SR148958	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
30254	SR148959	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/5/1993		1/26/1994			TRUE	TRUE	TRUE					
30255	SR148960	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30256	SR148961	SSG	EMPLACED_CNTR	11/21/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/7/1984		8/11/1993		2/2/1994			TRUE	TRUE	TRUE					
30257	SR148962	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/9/1984		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30258	SR148963	SSG	EMPLACED_CNTR	4/26/2013 16:53	9/26/2012 15:51	mccabed	SR-WQ27-FB-PRE86-C	S5300	None	1	2/9/1984	9/21/2012	11/10/2006	9/21/2012		221-F-55001	- Rpkgd into SR148963A - Rpkgd into SR148963B	TRUE	TRUE	TRUE					
30259	SR148963A	SSG	APPROVED_CERT		9/26/2012 15:50	mccabed	SR-WQ27-FB-PRE86-C	S5300	None			9/21/2012					- Rpkgd was SR148963 - Rpkgd was SR148963	TRUE	TRUE	TRUE			SR148963		Daughter
30260	SR148963B	SSG	APPROVED_CERT		9/26/2012 15:51	mccabed	SR-WQ27-FB-PRE86-C	S5300	None			9/21/2012						TRUE	TRUE	TRUE			SR148963		Daughter
30261	SR148964	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/9/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30262	SR148965	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/9/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30263	SR148966	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/9/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30264	SR148968	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/9/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30265	SR148969	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/16/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30266	SR148971	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/16/1984	3/12/2003	8/4/1993	3/12/2003	1/27/1994			TRUE	TRUE	TRUE					
30267	SR148972	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	2/16/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30268	SR148973	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	2/16/1984	5/5/2008	9/14/1993	5/5/2008	3/19/1994			TRUE	TRUE	TRUE					
30269	SR148979	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30270	SR148980	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
30271	SR148981	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/6/1984	6/7/2006	8/10/1993	6/7/2006	2/2/1994			TRUE	TRUE	TRUE					
30272	SR148982	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30273	SR148983	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	3/6/1984	3/6/1984	8/13/1993	9/19/2007	2/5/1994			TRUE	TRUE	TRUE					
30274	SR148984	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/6/1984	5/27/2004	8/13/1993	5/27/2004	2/5/1994			TRUE	TRUE	TRUE					
30275	SR148986	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30276	SR148987	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
30277	SR148988	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/10/1993		2/2/1994			TRUE	TRUE	TRUE					
30278	SR148989	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/6/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30279	SR148992	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/13/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
30280	SR148993	SSG	EMPLACED_CNTR	7/22/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/13/1984	1/23/2006	8/4/1993	1/23/2006	1/27/1994			TRUE	TRUE	TRUE					
30281	SR148994	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/13/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
30282	SR148997	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/13/1984	6/7/2003	8/5/1993	6/7/2003	1/28/1994			FALSE	TRUE	TRUE					
30283	SR150751	SSG	EMPLACED_CNTR	7/19/2009	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/30/1982		6/24/1998		12/17/1998			FALSE	TRUE	TRUE					
30284	SR150752	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/30/1982		6/24/1998		12/17/1998			FALSE	TRUE	TRUE					
30285	SR150753	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/30/1982		6/24/1998		12/17/1998			FALSE	TRUE	TRUE					
30286	SR150754	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/30/1982	9/20/2003	6/17/1998	9/20/2003	12/10/1998			TRUE	TRUE	TRUE					
30287	SR150755	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		6/22/1998		12/15/1998			TRUE	TRUE	TRUE					
30288	SR150759	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		7/6/1998		12/29/1998			TRUE	TRUE	TRUE					
30289	SR150760	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		7/6/1998		12/29/1998			TRUE	TRUE	TRUE					
30290	SR150761	SSG	EMPLACED_CNTR	5/14/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		6/22/1998		12/15/1998			TRUE	TRUE	TRUE					
30291	SR150763	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		9/16/1998		8/11/1999			TRUE	TRUE	TRUE					
30292	SR150765	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		6/22/1998		12/15/1998			TRUE	TRUE	TRUE					
30293	SR150766	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/6/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
30294	SR150769	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/20/1983		6/18/1998		12/11/1998			TRUE	TRUE	TRUE					
30295	SR150770	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/20/1983	3/14/2004	6/11/1998	3/14/2004	12/4/1998			TRUE	TRUE	TRUE					
30296	SR150771	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/20/1983	8/5/2003	6/17/1998	8/5/2003	12/10/1998			TRUE	TRUE	TRUE					
30297	SR150772	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/20/1983	5/5/2008	6/10/1998	5/5/2008	12/3/1998			TRUE	TRUE	TRUE					
30298	SR150772A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/5/2008		5/5/2008		10/28/2008			TRUE	TRUE	TRUE					
30299	SR150773	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/20/1983		6/16/1998		12/9/1998			TRUE	TRUE	TRUE					
30300	SR150775	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	1/20/1983	1/20/1983	6/17/1998	3/17/2004	12/10/1998			TRUE	TRUE	TRUE					
30301	SR150776	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/27/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30302	SR150777	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/27/1983		6/25/1998		12/18/1998			TRUE	TRUE	TRUE					
30303	SR150778	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	1/27/1983	7/9/2003	6/18/1998	7/9/2003	12/11/1998			TRUE	TRUE	TRUE					
30304	SR150779	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/27/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30305	SR150780	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	1/27/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
20306	SR150781	45G	EMPLACED_CNTR	5/15/2011 14:29	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/27/1983	9/17/2007	11/19/1998	9/17/2007	5/14/1999	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
20307	SR150782	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/27/1983		6/18/1998		12/11/1998			TRUE	TRUE	TRUE					
20308	SR150783	55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/27/1983	4/19/2007	6/17/1998	4/19/2007	12/10/1998			TRUE	TRUE	TRUE					
20309	SR150784	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/27/1983	7/11/2003	6/17/1998	7/11/2003	12/10/1998			TRUE	TRUE	TRUE					
20310	SR150785	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/27/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
20311	SR150786	55G	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/27/1983	7/30/2003	6/11/1998	7/30/2003	12/4/1998			TRUE	TRUE	TRUE					
20312	SR150791	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/8/1983		9/15/1998		1/4/1999			TRUE	TRUE	TRUE					
20313	SR150792	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/8/1983		7/14/1998		1/5/1999			TRUE	TRUE	TRUE					
20314	SR150793	55G	EMPLACED_CNTR	5/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/8/1983	2/8/1983	9/14/1998	8/18/2004	3/9/1999			TRUE	TRUE	TRUE					
20315	SR150794	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/8/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20316	SR150795	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	3/21/2004	9/14/1998	3/21/2004	3/9/1999			TRUE	TRUE	TRUE					
20317	SR150796	55G	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	7/8/2003	7/14/1998	7/8/2003	1/6/1999			TRUE	TRUE	TRUE					
20318	SR150797	55G	EMPLACED_CNTR	12/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	6/17/2006	7/13/1998	6/17/2006	1/5/1999			TRUE	TRUE	TRUE					
20319	SR150798	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		7/14/1998		1/8/1999			TRUE	TRUE	TRUE					
20320	SR150801	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					
20321	SR150802	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/17/1983	5/7/2003	9/14/1998	5/7/2003	3/9/1999			TRUE	TRUE	TRUE					
20322	SR150803	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20323	SR150804	55G	EMPLACED_CNTR	8/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
20324	SR150806	55G	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		7/9/1998		1/1/1999			TRUE	TRUE	TRUE					
20325	SR150807	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
20326	SR150808	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		7/8/1998		12/31/1998			TRUE	TRUE	TRUE					
20327	SR150809	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
20328	SR150810	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20329	SR150811	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/17/1983	1/18/2006	9/14/1998	1/18/2006	3/9/1999			TRUE	TRUE	TRUE					
20330	SR150812	55G	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		8/10/1998		2/2/1999			TRUE	TRUE	TRUE					
20331	SR150813	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/16/1998		3/11/1999			TRUE	TRUE	TRUE					
20332	SR150814	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20333	SR150815	55G	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/17/1983		9/16/1998		3/11/1999			TRUE	TRUE	TRUE					
20334	SR150816	55G	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/22/1983		7/7/1998		12/30/1998			TRUE	TRUE	TRUE					
20335	SR150817	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	2/22/1983	2/22/1983	7/28/1998	9/9/2006	1/20/1999			TRUE	TRUE	TRUE					
20336	SR150818	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/22/1983		7/7/1998		12/30/1998			TRUE	TRUE	TRUE					
20337	SR150819	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/22/1983	7/12/2006	8/10/1998	7/12/2006	2/2/1999			TRUE	TRUE	TRUE					
20338	SR150820	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/22/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
20339	SR150821	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/22/1983		9/16/1998		3/11/1999			TRUE	TRUE	TRUE					
20340	SR150822	55G	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/22/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20341	SR150823	55G	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		9/16/1998		3/11/1999			TRUE	TRUE	TRUE					
20342	SR150824	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		7/8/1998		1/1/1999			TRUE	TRUE	TRUE					
20343	SR150825	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
20344	SR150826	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
20345	SR150828	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/8/1983	8/23/2003	9/14/1998	8/23/2003	3/9/1999			TRUE	TRUE	TRUE					
20346	SR150829	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		9/16/1998		3/11/1999			TRUE	TRUE	TRUE					
20347	SR150830	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
20348	SR150832	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
20349	SR150833	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1983		7/14/1998		1/4/1999			TRUE	TRUE	TRUE					
20350	SR150834	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/22/1983	5/16/2004	6/23/1998	5/16/2004	12/16/1998			TRUE	TRUE	TRUE					
20351	SR150835	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		6/23/1998		12/16/1998			TRUE	TRUE	TRUE					
20352	SR150836	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		7/8/1998		12/29/1998			TRUE	TRUE	TRUE					
20353	SR150837	55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		6/23/1998		12/16/1998			TRUE	TRUE	TRUE					
20354	SR150838	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		8/3/1998		1/26/1999			TRUE	TRUE	TRUE					
20355	SR150839	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					
20356	SR150840	55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
20357	SR150841	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		5/19/1998		11/11/1998			TRUE	TRUE	TRUE					
20358	SR150842	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		6/2/1998		11/25/1998			TRUE	TRUE	TRUE					
20359	SR150843	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		7/7/1998		12/30/1998			TRUE	TRUE	TRUE					
20360	SR150844	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/29/1983	3/27/2004	5/19/1998	3/27/2004	11/11/1998			TRUE	TRUE	TRUE					
20361	SR150845	55G	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		9/9/1998		3/4/1999			TRUE	TRUE	TRUE					
20362	SR150846	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
20363	SR150847	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					
20364	SR150848	55G	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		7/28/1998		1/20/1999			TRUE	TRUE	TRUE					
20365	SR150849	55G	EMPLACED_CNTR	6/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
20366	SR150850	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/29/1983		5/27/1998		11/18/1998			TRUE	TRUE	TRUE					
20367	SR150851	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		7/21/1998		1/13/1999			TRUE	TRUE	TRUE					
20368	SR150852	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		8/4/1998		1/26/1999			TRUE	TRUE	TRUE					
20369	SR150853	55G	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/31/1983	12/10/2003	8/11/1998	12/10/2003	2/3/1999			TRUE	TRUE	TRUE					
20370	SR150854	55G	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/31/1983	12/14/2003	7/21/1998	12/14/2003	1/13/1999			TRUE	TRUE	TRUE					
20371	SR150855	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		8/12/1998		2/4/1999			TRUE	TRUE	TRUE					
20372	SR150856	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
20373	SR150857	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
20374	SR150858	55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/31/1983		8/3/1998		1/26/1999			TRUE	TRUE	TRUE					
20375	SR150876	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/31/1983	5/8/2004	7/16/1998	5/8/2004	1/8/1999			TRUE	TRUE	TRUE					
20376	SR150877	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/11/1998		12/4/1998			TRUE	TRUE	TRUE					
20377	SR150878	55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/4/1998		11/27/1998			TRUE	TRUE	TRUE					
20378	SR150879	55G	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
20379	SR150880	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
20380	SR150881	55G	EMPLACED_CNTR	11/27/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
20381	SR150882	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/5/1983	4/4/2003	6/23/1998	4/4/2003	12/16/1998			TRUE	TRUE	TRUE					
20382	SR150883	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/1/1998		11/24/1998			TRUE	TRUE	TRUE					
20383	SR150884	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/5/1983		6/16/1998		12/9/1998			TRUE	TRUE	TRUE					
20384	SR150885	55G	EMPLACED_CNTR	2/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/7/1983	6/4/2004	5/28/1998	6/4/2004	11/20/1998			TRUE	TRUE	TRUE					
20385	SR150886	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/7/1983		6/2/1998		11/25/1998			TRUE	TRUE	TRUE					
20386	SR150887	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/7/1983		6/1/1998		11/24/1998			TRUE	TRUE	TRUE					
20387	SR150893	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/7/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
20388	SR150894	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1983		6/11/1998		12/4/1998			TRUE	TRUE	TRUE					
20389	SR150895	55G	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
20390	SR150896	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1983		6/23/1998		12/16/1998			TRUE	TRUE	TRUE					
20391	SR150897	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
20392	SR150898	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/28/1983	4/28/1983	9/14/1998	10/23/2006	3/9/1999			TRUE	TRUE	TRUE					
20393	SR150899	55G	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1983		9/14/1998		3/9/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30394	SR150900	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/28/1983	3/30/2004	7/28/1998	3/30/2004	1/30/1999			TRUE	TRUE	TRUE					
30395	SR150901	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30396	SR150902	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/28/1983	10/14/2003	7/15/1998	10/14/2003	1/7/1999			TRUE	TRUE	TRUE					
30397	SR150903	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		8/10/1998		2/2/1999			TRUE	TRUE	TRUE					
30398	SR150904	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		9/8/1998		3/3/1999			TRUE	TRUE	TRUE					
30399	SR150905	SSG	EMPLACED_CNTR	1/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
30400	SR150906	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
30401	SR150907	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		9/2/1998		2/25/1999			TRUE	TRUE	TRUE					
30402	SR150908	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/28/1983	6/27/2006	8/27/1998	6/27/2006	2/19/1999			TRUE	TRUE	TRUE					
30403	SR150909	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/28/1983	4/1/2003	7/14/1998	4/1/2003	1/6/1999			TRUE	TRUE	TRUE					
30404	SR150910	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		7/30/1998		1/22/1999			TRUE	TRUE	TRUE					
30405	SR150911	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/28/1983	4/1/2003	7/14/1998	4/1/2003	1/6/1999			TRUE	TRUE	TRUE					
30406	SR150911A	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/1/2003	4/1/2003	4/1/2003	4/1/2003	9/24/2003			TRUE	TRUE	TRUE					
30407	SR150912	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	4/28/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
30408	SR150913	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/3/1983		5/27/1998		11/19/1998			TRUE	TRUE	TRUE					
30409	SR150914	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/3/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30410	SR150915	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/3/1983		5/27/1998		11/19/1998			TRUE	TRUE	TRUE					
30411	SR150916	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/3/1983	3/30/2004	5/21/1998	3/30/2004	11/13/1998			TRUE	TRUE	TRUE					
30412	SR150916A	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1		3/30/2004		3/30/2004											
30413	SR150917	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/3/1983		7/8/1998		12/31/1998			TRUE	TRUE	TRUE					
30414	SR150918	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/3/1983		6/2/1998		11/25/1998			TRUE	TRUE	TRUE					
30415	SR150919	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/17/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30416	SR150920	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/12/1983	10/4/2003	6/10/1998	10/4/2003	12/3/1998			TRUE	TRUE	TRUE					
30417	SR150921	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/12/1983	6/15/2004	5/27/1998	6/15/2004	11/19/1998			TRUE	TRUE	TRUE					
30418	SR150922	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		6/25/1998		12/18/1998			TRUE	TRUE	TRUE					
30419	SR150923	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		7/8/1998		12/31/1998			TRUE	TRUE	TRUE					
30420	SR150924	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		7/6/1998		12/29/1998			TRUE	TRUE	TRUE					
30421	SR150925	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		6/23/1998		12/16/1998			TRUE	TRUE	TRUE					
30422	SR150926	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		6/4/1998		11/27/1998			TRUE	TRUE	TRUE					
30423	SR150927	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/12/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30424	SR150928	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/17/1983	4/26/2004	7/6/1998	4/26/2004	12/29/1998			TRUE	TRUE	TRUE					
30425	SR150929	SSG	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/17/1983	3/2/2006	8/1/1998	3/2/2006	11/24/1998			TRUE	TRUE	TRUE					
30426	SR150930	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/17/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30427	SR150931	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/17/1983	5/12/2006	6/11/1998	5/12/2006	12/4/1998			TRUE	TRUE	TRUE					
30428	SR150931A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/8/2042 15:07	mccabed	SR-W027-F8-PRE86-C	55300			5/12/2006	3/1/2012	5/12/2006	3/1/2012		SWD061324 re-named and WS reassigned from SR-SWMF-HET-4; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE					
30429	SR150932	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/17/1983		7/9/1998		1/1/1999			TRUE	TRUE	TRUE					
30430	SR150933	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/17/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30431	SR150934	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/17/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30432	SR150935	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
30433	SR150936	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		7/17/1998		1/19/1999			TRUE	TRUE	TRUE					
30434	SR150938	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		6/15/1998		12/18/1998			TRUE	TRUE	TRUE					
30435	SR150939	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		8/11/1998		2/3/1999			TRUE	TRUE	TRUE					
30436	SR150940	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/24/1983	12/4/2004	8/14/1998	12/4/2004	3/9/1999			TRUE	TRUE	TRUE					
30437	SR150941	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/24/1983	4/29/2003	7/14/1998	4/29/2003	1/6/1999			TRUE	TRUE	TRUE					
30438	SR150941A	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	4/29/2003	4/29/2003	4/29/2003	4/29/2003	10/22/2003			TRUE	TRUE	TRUE					
30439	SR150942	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
30440	SR150943	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		6/24/1998		12/17/1998			TRUE	TRUE	TRUE					
30441	SR150945	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/24/1983	3/6/2004	7/14/1998	3/6/2004	1/6/1999			TRUE	TRUE	TRUE					
30442	SR150947	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/24/1983		7/15/1998		1/7/1999			TRUE	TRUE	TRUE					
30443	SR150948	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30444	SR150949	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30445	SR150950	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30446	SR150951	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		7/8/1998		12/31/1998			TRUE	TRUE	TRUE					
30447	SR150952	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		6/2/1998		11/25/1998			TRUE	TRUE	TRUE					
30448	SR150953	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		6/17/1998		12/10/1998			TRUE	TRUE	TRUE					
30449	SR150954	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	5/26/1983	7/24/2003	4/2/1998	7/24/2003	9/25/1998			TRUE	TRUE	TRUE					
30450	SR150955	SSG	EMPLACED_CNTR	11/29/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30451	SR150956	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		6/1/1998		11/24/1998			TRUE	TRUE	TRUE					
30452	SR150957	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	5/26/1983		6/15/1998		12/8/1998			TRUE	TRUE	TRUE					
30453	SR150958	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/2/1983		8/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30454	SR150959	SSG	EMPLACED_CNTR	6/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	12/5/2005	7/8/1998	12/5/2005	12/31/1998			TRUE	TRUE	TRUE					
30455	SR150960	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	7/10/2003	6/25/1998	7/10/2003	12/18/1998			TRUE	TRUE	TRUE					
30456	SR150961	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	3/27/2003	6/18/1998	3/27/2003	12/11/1998			TRUE	TRUE	TRUE					
30457	SR150962	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/2/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
30458	SR150963	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	9/6/2006	9/15/1998	9/6/2006	3/10/1999			TRUE	TRUE	TRUE					
30459	SR150964	SSG	EMPLACED_CNTR	4/30/2025	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	V&P Purge	0	6/2/1983	6/2/1983	6/22/1998	2/25/2004	12/15/1998			TRUE	TRUE	TRUE					
30460	SR150965	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/2/1983		9/14/1998		3/9/1999			TRUE	TRUE	TRUE					
30461	SR150966	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/2/1983		7/16/1998		1/8/1999			TRUE	TRUE	TRUE					
30462	SR150967	BSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	10/20/2007	11/19/1998	10/20/2007	5/14/1999			TRUE	TRUE	TRUE					
30463	SR150968	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/2/1983	5/14/2003	5/28/1998	5/14/2003	11/20/1998			TRUE	TRUE	TRUE					
30464	SR150969	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/2/1983		6/11/1998		12/4/1998			TRUE	TRUE	TRUE					
30465	SR150970	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		5/26/1998		11/18/1998			TRUE	TRUE	TRUE					
30466	SR150971	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		5/14/1998		11/6/1998			TRUE	TRUE	TRUE					
30467	SR150972	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		5/28/1998		11/20/1998			TRUE	TRUE	TRUE					
30468	SR150973	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/16/1983	11/13/2003	7/7/1998	11/13/2003	12/30/1998			TRUE	TRUE	TRUE					
30469	SR150974	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		7/7/1998		12/30/1998			TRUE	TRUE	TRUE					
30470	SR150975	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		6/3/1998		11/26/1998			TRUE	TRUE	TRUE					
30471	SR150976	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/16/1983	3/26/2003	5/21/1998	3/26/2003	11/13/1998			TRUE	TRUE	TRUE					
30472	SR150977	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/16/1983	3/22/2004	6/2/1998	3/22/2004	11/25/1998			TRUE	TRUE	TRUE					
30473	SR150978	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		9/15/1998		3/10/1999			TRUE	TRUE	TRUE					
30474	SR150979	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		5/21/1998		11/13/1998			TRUE	TRUE	TRUE					
30475	SR150980	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		6/4/1998		11/27/1998			TRUE	TRUE	TRUE					
30476	SR150981	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/16/1983		5/18/1998		11/10/1998			TRUE	TRUE	TRUE					
30477	SR150982	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/28/1983		7/27/1998		1/19/1999			TRUE	TRUE	TRUE					
30478	SR150983	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/28/1983		8/10/1998		2/2/1999			TRUE	TRUE	TRUE					
30479	SR150984	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300	Remediate	1	6/28/1983	3/18/2003	7/28/1998	3/18/2003	1/20/1999			TRUE	TRUE	TRUE					
30480	SR150985	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-F8-PRE86-C	55300		0	6/28/1983		8/12/1998		2/4/1999			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30481	SR150986		55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983			7/9/1998			TRUE	TRUE	TRUE					
30482	SR150987		55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1983	7/24/2003	8/10/1998	7/24/2003	2/2/1999		TRUE	TRUE	TRUE					
30483	SR150988		55G	EMPLACED_CNTR	2/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		8/11/1998		1/3/1999		TRUE	TRUE	TRUE					
30484	SR150989		55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1983	5/12/2004	8/11/1998	5/12/2004	2/3/1999		TRUE	TRUE	TRUE					
30485	SR150990		55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		8/12/1998		2/4/1999		TRUE	TRUE	TRUE					
30486	SR150991		55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		7/16/1998		1/8/1999		TRUE	TRUE	TRUE					
30487	SR150992		55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		7/27/1998		1/19/1999		TRUE	TRUE	TRUE					
30488	SR150993		55G	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		8/11/1998		2/3/1999		TRUE	TRUE	TRUE					
30489	SR150994		55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		8/12/1998		2/4/1999		TRUE	TRUE	TRUE					
30490	SR150995		55G	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1983		8/11/1998		2/3/1999		TRUE	TRUE	TRUE					
30491	SR150996		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/7/1983		9/1/1998		2/24/1999		TRUE	TRUE	TRUE					
30492	SR150997		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/7/1983		7/30/1998		1/22/1999		TRUE	TRUE	TRUE					
30493	SR150998		55G	EMPLACED_CNTR	11/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/7/1983		9/3/1998		2/24/1999		TRUE	TRUE	TRUE					
30494	SR151251		55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/20/1993		11/12/1993									
30495	SR152252		55G	APPROVED_CERT		3/11/2013 22:55	mccabed	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/13/1984	9/20/2012	10/2/2006	9/20/2012		211-F-55001; >50% 55000 waste per LWatson email 113012; Un-exclude per LWatson 031113.	- Rpkgd into SR152252A - Rpkgd into SR152528 - Rpkgd was SR152252 - Rpkgd was SR152252	TRUE	TRUE	TRUE		SR152252 SR152252		Daughter Daughter
30496	SR152252A		55G	APPROVED_CERT		9/26/2012 15:48	mccabed	SR-W027-FB-PRE86-C	55300	None	0	9/20/2012		9/20/2012				TRUE	TRUE	TRUE					
30497	SR152528		55G	APPROVED_CERT		9/26/2012 15:48	mccabed	SR-W027-FB-PRE86-C	55300	None	0	9/20/2012		9/20/2012				TRUE	TRUE	TRUE					
30498	SR152253		55G	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30499	SR152254		55G	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30500	SR152255		55G	EMPLACED_CNTR	8/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30501	SR152256		55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30502	SR152257		55G	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	6/26/2003	5/19/1993	6/26/2003	11/11/1993			TRUE	TRUE	TRUE					
30503	SR152258		55G	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30504	SR152259		55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30505	SR152260		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30506	SR152261		55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	3/18/2003	6/4/1993	3/18/2003	11/27/1993			TRUE	TRUE	TRUE					
30507	SR152262		55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	3/26/2004	6/1/1993	3/26/2004	11/24/1993			TRUE	TRUE	TRUE					
30508	SR152263		55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30509	SR152264		55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30510	SR152265		55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	4/3/2004	5/26/1993	4/3/2004	11/18/1993			TRUE	TRUE	TRUE					
30511	SR152266		55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	9/22/2006	5/20/1993	9/22/2006	11/12/1993			TRUE	TRUE	TRUE					
30512	SR152267		55G	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30513	SR152268		55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30514	SR152269		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30515	SR152270		55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/13/1984	9/13/1984	5/20/1993	8/17/2006	11/12/1993			TRUE	TRUE	TRUE					
30516	SR152271		55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30517	SR152272		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30518	SR152273		55G	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30519	SR152274		55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	3/14/2003	5/20/1993	3/14/2003	11/12/1993			TRUE	TRUE	TRUE					
30520	SR152275		55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30521	SR152276		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30522	SR152277		55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		6/24/1993		12/17/1993			TRUE	TRUE	TRUE					
30523	SR152278		55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30524	SR152279		55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30525	SR152280		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30526	SR152281		55G	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30527	SR152282		55G	EMPLACED_CNTR	6/27/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30528	SR152283		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/13/1984		5/19/1993		11/11/1993			TRUE	TRUE	TRUE					
30529	SR152284		55G	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/13/1984	12/13/2006	8/6/1993	12/13/2006	1/29/1994			TRUE	TRUE	TRUE					
30530	SR152286		55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30531	SR152287		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30532	SR152288		55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30533	SR152289		55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30534	SR152290		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30535	SR152291		55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30536	SR152292		55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/20/1984	12/18/2006	4/23/1993	12/18/2006	10/16/1993										
30537	SR152292A		55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		12/18/2006		12/18/2006				TRUE	TRUE	TRUE					
30538	SR152293		55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30539	SR152294		55G	EMPLACED_CNTR	3/20/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30540	SR152295		55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30541	SR152296		55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
30542	SR152297		55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
30543	SR152298		55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30544	SR152299		55G	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30545	SR152300		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30546	SR152301		55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30547	SR152302		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30548	SR152303		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30549	SR152304		55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30550	SR152305		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30551	SR152306		55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30552	SR152307		55G	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30553	SR152316		55G	EMPLACED_CNTR	6/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30554	SR152318		55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30555	SR152320		55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1984		4/16/1993		10/8/1993			TRUE	TRUE	TRUE					
30556	SR152321		55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30557	SR152332		55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30558	SR152333		55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/1/1984	4/3/2006	2/4/1993	4/3/2006	7/30/1993			TRUE	TRUE	TRUE					
30559	SR152334		55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30560	SR152335		55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		1/30/1993		7/25/1993			TRUE	TRUE	TRUE					
30561	SR152336		55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30562	SR152337		55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		2/5/1993		7/13/1993			TRUE	TRUE	TRUE					
30563	SR152338		55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30564	SR152339		55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
30565	SR152340		55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30566	SR152342		55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30567	SR152343		55G	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/1/1984		4/8/1993		9/29/1993										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30568	SR152344	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/2/1984	2/3/2004	4/8/1993	2/3/2004	10/1/1993			TRUE	TRUE	TRUE					
30569	SR152345	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30570	SR152346	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
30571	SR152347	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
30572	SR152348	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30573	SR152349	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/2/1984	10/26/2003	1/30/1993	10/26/2003	7/25/1993			TRUE	TRUE	TRUE					
30574	SR152350	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30575	SR152351	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30576	SR152352	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30577	SR152353	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30578	SR152354	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/2/1984		9/24/1993		3/19/1994			TRUE	TRUE	TRUE					
30579	SR152355	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		7/5/1993		7/31/1993			TRUE	TRUE	TRUE					
30580	SR152356	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		2/10/1993		8/5/1993			TRUE	TRUE	TRUE					
30581	SR152357	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		4/13/1993		10/4/1993			TRUE	TRUE	TRUE					
30582	SR152358	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		1/28/1993		7/31/1993			TRUE	TRUE	TRUE					
30583	SR152359	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		1/28/1993		7/23/1993			TRUE	TRUE	TRUE					
30584	SR152360	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
30585	SR152361	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30586	SR152362	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
30587	SR152363	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
30588	SR152364	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/8/1993		12/2/1992			TRUE	TRUE	TRUE					
30589	SR152365	SSG	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30590	SR152366	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1984	6/27/2006	4/22/1993	6/27/2006	10/15/1993			TRUE	TRUE	TRUE					
30591	SR152367	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1984	2/28/2007	2/5/1993	2/28/2007	7/31/1993			TRUE	TRUE	TRUE					
30592	SR152368	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30593	SR152369	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		1/30/1993		7/25/1993			TRUE	TRUE	TRUE					
30594	SR152370	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/4/1984		2/2/1993		8/25/1993			TRUE	TRUE	TRUE					
30595	SR152371	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1984	7/30/2003	1/30/1993	7/30/2003	7/25/1993			TRUE	TRUE	TRUE					
30596	SR152372	SSG	EMPLACED_CNTR	6/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1984	4/5/2004	4/7/1993	4/5/2004	9/30/1993			TRUE	TRUE	TRUE					
30597	SR152373	SSG	EMPLACED_CNTR	6/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1984	6/19/2003	1/29/1993	6/19/2003	7/24/1993			TRUE	TRUE	TRUE					
30598	SR152374	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
30599	SR152375	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30600	SR152376	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30601	SR152377	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30602	SR152378	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30603	SR152379	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30604	SR152380	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30605	SR152381	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30606	SR152382	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30607	SR152383	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30608	SR152384	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30609	SR152385	SSG	EMPLACED_CNTR	5/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30610	SR152386	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/2/1993		11/24/1993			TRUE	TRUE	TRUE					
30611	SR152387	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		8/6/1993		1/25/1994			TRUE	TRUE	TRUE					
30612	SR152388	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30613	SR152389	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30614	SR152390	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/16/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30615	SR152391	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1984		6/29/1993		12/3/1993			TRUE	TRUE	TRUE					
30616	SR152392	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30617	SR152393	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30618	SR152394	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/18/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30619	SR152395	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30620	SR152396	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30621	SR152397	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30622	SR152398	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		5/27/1993		11/18/1993			TRUE	TRUE	TRUE					
30623	SR152399	SSG	EMPLACED_CNTR	2/27/2011 10:21	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1984	11/6/2006	5/26/1993	11/6/2006	11/18/1993			TRUE	TRUE	TRUE					
30624	SR152400	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30625	SR152401	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30626	SR152402	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30627	SR152403	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30628	SR152404	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30629	SR152405	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30630	SR152406	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30631	SR152407	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30632	SR152408	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30633	SR152409	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30634	SR152410	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1984	8/4/2003	6/10/1993	8/4/2003	12/3/1993			TRUE	TRUE	TRUE					
30635	SR152411	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30636	SR152412	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/24/1993		12/17/1993			TRUE	TRUE	TRUE					
30637	SR152413	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30638	SR152414	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/20/1993		11/12/1993			TRUE	TRUE	TRUE					
30639	SR152415	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1984	1/21/2004	6/8/1993	1/21/2004	12/1/1993			TRUE	TRUE	TRUE					
30640	SR152415A	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1984	1/21/2004	6/8/1993	1/21/2004				TRUE	TRUE	TRUE					
30641	SR152416	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1984	9/14/2003	6/17/1993	9/14/2003	12/10/1993			TRUE	TRUE	TRUE					
30642	SR152417	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30643	SR152418	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30644	SR152419	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30645	SR152420	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30646	SR152421	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30647	SR152422	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30648	SR152423	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		6/15/1993		12/8/1993			TRUE	TRUE	TRUE					
30649	SR152424	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		4/23/1993		10/18/1993			TRUE	TRUE	TRUE					
30650	SR152425	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1984	4/5/2004	4/23/1993	4/5/2004	10/15/1993			TRUE	TRUE	TRUE					
30651	SR152425A	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		4/5/2004		4/5/2004											
30652	SR152426	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30653	SR152427	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		6/24/1993		12/17/1993			TRUE	TRUE	TRUE					
30654	SR152428	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30655	SR152429	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1984	9/5/2006	4/28/1993	9/5/2006	10/21/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30656	SR152430	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30657	SR152431	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30658	SR152432	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30659	SR152433	SSG	EMPLACED_CNTR	4/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30660	SR152434	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/30/1984	6/9/2003	6/8/1993	6/9/2003	12/1/1993			TRUE	TRUE	TRUE					
30661	SR152435	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30662	SR152436	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/29/1993		10/22/1993			TRUE	TRUE	TRUE					
30663	SR152437	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/1/1984	1/22/2004	1/23/1993	1/22/2004	9/15/1993			TRUE	TRUE	TRUE					
30664	SR152438	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30665	SR152439	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/1/1984	3/22/2004	4/27/1993	3/22/2004	10/20/1993			TRUE	TRUE	TRUE					
30666	SR152440	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30667	SR152441	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30668	SR152442	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30669	SR152443	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993										
30670	SR152444	SSG	APPROVED_CERT		10/1/2012 16:50	mccabed	SR-W027-FB-PRE86-C	S5300		0	10/30/1984	9/26/2012	8/6/1993	9/26/2012		221-F-55001	Rpkgd into SR152444A - Rpkgd into SR152444B	TRUE	TRUE	TRUE					
30671	SR152444A	SWB	APPROVED_CERT		6/26/2013 11:34	mccabed	SR-W027-FB-PRE86-C	S5300		0	9/26/2012	5/15/2013	9/26/2012	5/15/2013			Rpkgd was SR152444 - Rpkgd into SR152444C - Rpkgd into SR152444D - Rpkgd was SR152444	TRUE	TRUE	TRUE			SR152444		Daughter
30672	SR152444B	SSG	APPROVED_CERT		10/1/2012 16:50	mccabed	SR-W027-FB-PRE86-C	S5300		0	9/26/2012		9/26/2012												
30673	SR152444C	SSG	APPROVED_CERT		6/26/2013 11:34	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/15/2013		5/15/2013			Possible high FGE per LWatson 062613.	- Rpkgd was SR152444 - Rpkgd was SR152444A - Rpkgd was SR152444 - Rpkgd was SR152444A	TRUE	TRUE	TRUE			SR152444A	SR152444	Daughter
30674	SR152444D	SSG	APPROVED_CERT		6/26/2013 11:34	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/15/2013		5/15/2013			Possible high FGE per LWatson 062613.		TRUE	TRUE	TRUE			SR152444A		Repack
30675	SR152445	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/30/1984	6/4/2003	6/10/1993	6/4/2003	12/3/1993			TRUE	TRUE	TRUE					
30676	SR152445A	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/4/2003	6/4/2003	6/4/2003	6/4/2003	11/27/2003			TRUE	TRUE	TRUE					
30677	SR152446	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30678	SR152447	SSG	EMPLACED_CNTR	7/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	10/30/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30679	SR152448	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30680	SR152449	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/29/1993		10/22/1993			TRUE	TRUE	TRUE					
30681	SR152450	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30682	SR152451	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30683	SR152453	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/1/1984		4/23/1993		10/14/1993			TRUE	TRUE	TRUE					
30684	SR152453	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/1/1984	3/25/2006	4/29/1993	3/25/2006	10/22/1993			TRUE	TRUE	TRUE					
30685	SR152455	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		4/23/1993		9/15/1993			TRUE	TRUE	TRUE					
30686	SR152456	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		5/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30687	SR152457	SSG	EMPLACED_CNTR	7/19/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30688	SR152458	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30689	SR152459	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30690	SR152460	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30691	SR152461	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/6/1984	3/27/2004	3/23/1993	3/27/2004	9/15/1993			TRUE	TRUE	TRUE					
30692	SR152462	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/6/1984	1/21/2004	1/23/1993	1/21/2004	9/15/1993			TRUE	TRUE	TRUE					
30693	SR152463	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30694	SR152464	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30695	SR152465	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30696	SR152466	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30697	SR152467	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30698	SR152468	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/6/1984	11/6/1984	4/1/1993	7/23/2004	9/24/1993			TRUE	TRUE	TRUE					
30699	SR152469	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/6/1984	6/6/2003	3/30/1993	6/6/2003	9/22/1993			TRUE	TRUE	TRUE					
30700	SR152470	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/6/1984	4/3/2004	3/31/1993	4/3/2004	9/23/1993			TRUE	TRUE	TRUE					
30701	SR152471	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30702	SR152472	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/6/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30703	SR152473	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/23/1993		9/15/1993			TRUE	TRUE	TRUE					
30704	SR152474	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30705	SR152475	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/14/1993		9/10/1993			TRUE	TRUE	TRUE					
30706	SR152476	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30707	SR152477	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30708	SR152478	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/8/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30709	SR152480	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/27/1984		3/15/1993		9/1/1993			TRUE	TRUE	TRUE					
30710	SR152481	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1984	12/10/2003	3/25/1993	12/10/2003	9/17/1993			TRUE	TRUE	TRUE					
30711	SR152482	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30712	SR152483	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		9/21/1993		3/16/1994			TRUE	TRUE	TRUE					
30713	SR152484	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30714	SR152485	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1984	6/11/2003	3/30/1993	6/11/2003	9/22/1993			TRUE	TRUE	TRUE					
30715	SR152486	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30716	SR152487	SSG	APPROVED_CERT		10/9/2012 22:54	mccabed	SR-W027-FB-PRE86-C	S5300		0	11/15/1984	10/4/2012	9/23/1993	10/4/2012		221-F-55001	- Rpkgd into SR152487A - Rpkgd was SR152487	TRUE	TRUE	TRUE			SR152487		Daughter
30717	SR152487A	SSG	APPROVED_CERT		10/9/2012 22:54	mccabed	SR-W027-FB-PRE86-C	S5300		0	10/4/2012		10/4/2012					TRUE	TRUE	TRUE					
30718	SR152488	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30719	SR152489	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1984	10/27/2006	3/24/1993	10/27/2006	9/16/1993			TRUE	TRUE	TRUE					
30720	SR152490	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30721	SR152491	SSG	EMPLACED_CNTR	11/6/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30722	SR152492	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1984	9/14/2003	4/1/1993	9/14/2003	9/24/1993			TRUE	TRUE	TRUE					
30723	SR152493	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/23/1993		9/15/1993			TRUE	TRUE	TRUE					
30724	SR152494	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/17/1993		9/9/1993			TRUE	TRUE	TRUE					
30725	SR152495	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/24/1993		9/16/1993			TRUE	TRUE	TRUE					
30726	SR152496	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30727	SR152497	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30728	SR152498	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30729	SR152499	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	11/15/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30730	SR152500	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	1/8/1985		3/5/1993		8/18/1993			TRUE	TRUE	TRUE					
30731	SR152751	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30732	SR152752	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/23/1984	9/5/2006	6/1/1993	9/5/2006	11/24/1993			TRUE	TRUE	TRUE					
30733	SR152753	SSG	EMPLACED_CNTR	3/24/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/23/1984	9/28/2003	6/4/1993	9/28/2003	11/27/1993			TRUE	TRUE	TRUE					
30734	SR152754	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/23/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
30735	SR152755	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/30/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30736	SR152756	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/30/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30737	SR152757	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/30/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30738	SR152758	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	8/30/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30739	SR152759	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/30/1984	1/22/2004	5/27/1993	1/22/2004	11/18/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30740	SR152760	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30741	SR152761	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/11/1993		12/4/1991			TRUE	TRUE	TRUE					
30742	SR152762	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/30/1964	9/19/2003	6/1/1993	9/19/2003	11/24/1993			TRUE	TRUE	TRUE					
30743	SR152763	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30744	SR152764	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
30745	SR152765	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/11/1993		12/4/1991			TRUE	TRUE	TRUE					
30746	SR152766	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/4/1993		11/27/1991			TRUE	TRUE	TRUE					
30747	SR152767	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30748	SR152768	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		5/27/1993		11/19/1991			TRUE	TRUE	TRUE					
30749	SR152769	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
30750	SR152770	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	8/30/1964	12/11/2006	6/24/1993	12/11/2006	12/17/1993			TRUE	TRUE	TRUE					
30751	SR152771	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	8/30/1964		6/11/1993		12/4/1991			TRUE	TRUE	TRUE					
30752	SR152772	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/6/1984		6/11/1993		12/4/1991			TRUE	TRUE	TRUE					
30753	SR152773	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/6/1984		6/15/1993		12/8/1993			TRUE	TRUE	TRUE					
30754	SR152774	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/1/1984	4/30/2004	8/30/1993	4/30/2004	2/2/1994			TRUE	TRUE	TRUE					
30755	SR152776	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	9/25/1984	4/18/2004	4/16/1993	4/18/2004	10/9/1993			TRUE	TRUE	TRUE					
30756	SR152777	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
30757	SR152778	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30758	SR152779	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1991			TRUE	TRUE	TRUE					
30759	SR152780	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1991			TRUE	TRUE	TRUE					
30760	SR152781	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30761	SR152782	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30762	SR152783	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30763	SR152784	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30764	SR152785	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
30765	SR152786	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	9/25/1984	9/21/2003	4/8/1993	9/21/2003	10/1/1993			TRUE	TRUE	TRUE					
30766	SR152787	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	9/25/1984		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
30767	SR152789	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/11/1984	6/26/2003	6/9/1993	6/26/2003	12/2/1993			TRUE	TRUE	TRUE					
30768	SR152790	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
30769	SR152791	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
30770	SR152792	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30771	SR152793	SSG	EMPLACED_CNTR	10/1/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
30772	SR152794	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/11/1984	1/21/2004	5/27/1993	1/21/2004	11/19/1993			TRUE	TRUE	TRUE					
30773	SR152795	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/10/1993		12/3/1991			TRUE	TRUE	TRUE					
30774	SR152796	SSG	EMPLACED_CNTR	2/5/2001	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
30775	SR152797	SSG	EMPLACED_CNTR	2/27/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/11/1984	1/20/2004	5/27/1993	1/20/2004	11/19/1993			TRUE	TRUE	TRUE					
30776	SR152798	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30777	SR152799	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30778	SR152800	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
30779	SR152801	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		9/13/1993		3/18/1994			TRUE	TRUE	TRUE					
30780	SR152802	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30781	SR152803	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/11/1984	4/2/2004	6/9/1993	4/2/2004	12/2/1993			TRUE	TRUE	TRUE					
30782	SR152804	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30783	SR152805	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/9/1993		12/2/1993			TRUE	TRUE	TRUE					
30784	SR152806	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/8/1993		12/1/1993			TRUE	TRUE	TRUE					
30785	SR152807	SSG	EMPLACED_CNTR	11/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30786	SR152808	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/11/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30787	SR152809	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/18/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30788	SR152810	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/16/1984	4/7/2004	6/11/1993	4/7/2004	12/4/1993			TRUE	TRUE	TRUE					
30789	SR152811	SSG	EMPLACED_CNTR	5/12/2008	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30790	SR152812	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/15/1993		12/8/1993			TRUE	TRUE	TRUE					
30791	SR152813	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30792	SR152814	SSG	EMPLACED_CNTR	11/16/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/1/1993		12/4/1991			TRUE	TRUE	TRUE					
30793	SR152815	SSG	EMPLACED_CNTR	1/1/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/16/1984	6/27/2003	5/27/1993	6/27/2003	11/19/1993			TRUE	TRUE	TRUE					
30794	SR152816	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
30795	SR152817	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/15/1993		12/8/1993			TRUE	TRUE	TRUE					
30796	SR152818	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
30797	SR152819	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30798	SR152821	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/16/1984		6/15/1993		12/8/1993			TRUE	TRUE	TRUE					
30799	SR152822	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/18/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30800	SR152823	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/18/1984		5/27/1993		11/19/1993			TRUE	TRUE	TRUE					
30801	SR152824	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/30/1984	7/17/2003	6/10/1993	7/17/2003	12/3/1993			TRUE	TRUE	TRUE					
30802	SR152825	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/1/1984	4/29/2003	3/21/1993	4/29/2003	9/15/1993			TRUE	TRUE	TRUE					
30803	SR152826	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30804	SR152827	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/30/1984	6/8/2006	4/23/1993	6/8/2006	10/16/1993			TRUE	TRUE	TRUE					
30805	SR152828	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30806	SR152829	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30807	SR152830	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		6/10/1993		12/3/1993			TRUE	TRUE	TRUE					
30808	SR152831	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		6/17/1993		12/10/1993			TRUE	TRUE	TRUE					
30809	SR152832	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30810	SR152833	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30811	SR152834	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30812	SR152835	SSG	EMPLACED_CNTR	11/17/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		6/11/1993		12/4/1993			TRUE	TRUE	TRUE					
30813	SR152836	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/30/1984	3/25/2004	6/11/1993	3/25/2004	12/4/1993			TRUE	TRUE	TRUE					
30814	SR152837	SSG	EMPLACED_CNTR	8/13/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	10/30/1984		4/27/1993		10/20/1993			TRUE	TRUE	TRUE					
30815	SR152838	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	11/1/1984		4/28/1993		10/21/1993			TRUE	TRUE	TRUE					
30816	SR152839	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30817	SR152840	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30818	SR152841	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/4/1993		9/29/1993			TRUE	TRUE	TRUE					
30819	SR152843	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/23/1993		10/16/1993			TRUE	TRUE	TRUE					
30820	SR152844	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30821	SR152845	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30822	SR152846	SSG	EMPLACED_CNTR	1/28/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30823	SR152847	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30824	SR152848	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30825	SR152849	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30826	SR152850	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	12/11/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30827	SR152851	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	11/1/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30826	SR152852	55G	EMPLACED_CNTR	10/4/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/27/1984	6/1/2006	3/24/1993	6/1/2006	9/15/1993			TRUE	TRUE	TRUE					
30827	SR152853	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/27/1984	11/12/2003	3/30/1993	11/12/2003	9/22/1993			TRUE	TRUE	TRUE					
30828	SR153854	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/27/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30829	SR153855	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30830	SR152858	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/18/1993		9/10/1993			TRUE	TRUE	TRUE					
30831	SR152859	55G	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	12/8/2003	3/30/1993	12/8/2003	9/22/1993										
30832	SR152859A	55G	EMPLACED_CNTR	9/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1		12/8/2003		12/8/2003											
30833	SR152860	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30834	SR152861	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	3/5/2006	3/31/1993	3/5/2006	9/23/1993			TRUE	TRUE	TRUE					
30835	SR152862	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	10/7/2006	3/18/1993	10/7/2006	9/10/1993			TRUE	TRUE	TRUE					
30836	SR152863	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	7/14/2003	3/23/1993	7/14/2003	9/15/1993			TRUE	TRUE	TRUE					
30837	SR152864	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30838	SR152865	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30839	SR152866	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/23/1993		9/15/1993			TRUE	TRUE	TRUE					
30840	SR152867	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	3/17/2003	3/19/1993	3/17/2003	9/13/1993			TRUE	TRUE	TRUE					
30841	SR152868	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	9/30/2006	4/1/1993	9/30/2006	9/24/1993			TRUE	TRUE	TRUE					
30842	SR152869	55G	EMPLACED_CNTR	10/5/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	5/11/2006	3/25/1993	5/11/2006	9/17/1993			TRUE	TRUE	TRUE					
30843	SR152870	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30844	SR152871	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		4/23/1993		10/16/1993			TRUE	TRUE	TRUE					
30845	SR152872	55G	EMPLACED_CNTR	9/6/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	1/4/2007	4/22/1993	1/4/2007	10/15/1993										
30846	SR152872A	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1		5/18/2007		5/18/2007											
30847	SR152873	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	7/1/2003	3/30/1993	7/1/2003	9/22/1993			TRUE	TRUE	TRUE					
30848	SR152874	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/17/1993		9/9/1993			TRUE	TRUE	TRUE					
30849	SR152875	55G	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30850	SR152876	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/17/1993		9/9/1993			TRUE	TRUE	TRUE					
30851	SR152877	55G	EMPLACED_CNTR	6/10/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	6/23/2003	3/24/1993	6/23/2003	9/16/1993			TRUE	TRUE	TRUE					
30852	SR152878	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	4/12/2006	3/24/1993	4/12/2006	9/16/1993			TRUE	TRUE	TRUE					
30853	SR152879	55G	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	4/27/2004	4/19/1993	4/27/2004	10/6/1993			TRUE	TRUE	TRUE					
30854	SR152880	55G	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/20/1984	6/20/2003	3/23/1993	6/20/2003	9/15/1993			TRUE	TRUE	TRUE					
30855	SR152881	55G	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30856	SR152882	55G	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/20/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30857	SR152883	55G	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/27/1984		3/5/1993		9/1/1993			TRUE	TRUE	TRUE					
30858	SR152884	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/27/1984		3/24/1993		9/16/1993			TRUE	TRUE	TRUE					
30859	SR152885	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/27/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30860	SR152886	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	11/27/1984		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30861	SR152887	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	11/27/1984	12/6/2003	3/30/1993	12/6/2003	9/22/1993			TRUE	TRUE	TRUE					
30862	SR152888	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30863	SR152889	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/13/1993		10/6/1993			TRUE	TRUE	TRUE					
30864	SR152890	55G	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30865	SR152891	55G	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/13/1993		10/6/1993			TRUE	TRUE	TRUE					
30866	SR152892	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/8/1993		10/1/1993			TRUE	TRUE	TRUE					
30867	SR152893	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	12/11/1984	5/6/2003	4/6/1993	5/6/2003	9/29/1993			TRUE	TRUE	TRUE					
30868	SR152894	55G	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	12/11/1984	7/5/2006	4/8/1993	7/5/2006	10/1/1993			TRUE	TRUE	TRUE					
30869	SR152895	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30870	SR152896	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/1/1993		9/24/1993			TRUE	TRUE	TRUE					
30871	SR152897	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	12/11/1984	6/14/2004	4/8/1993	6/14/2004	10/1/1993			TRUE	TRUE	TRUE					
30872	SR152898	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/13/1993		10/6/1993			TRUE	TRUE	TRUE					
30873	SR152899	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/11/1984		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30874	SR152913	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/2/1993		8/25/1993			TRUE	TRUE	TRUE					
30875	SR152914	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/24/1993		9/16/1993			TRUE	TRUE	TRUE					
30876	SR152916	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
30877	SR152917	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/24/1993		8/19/1993			TRUE	TRUE	TRUE					
30878	SR152918	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/19/1993		9/13/1993			TRUE	TRUE	TRUE					
30879	SR152919	55G	EMPLACED_CNTR	9/23/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		9/22/1993		3/17/1994			TRUE	TRUE	TRUE					
30880	SR152920	55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
30881	SR152922	55G	EMPLACED_CNTR	6/28/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30882	SR152924	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30883	SR152925	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
30884	SR152926	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/24/1993		9/16/1993			TRUE	TRUE	TRUE					
30885	SR152927	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/31/1993		9/23/1993			TRUE	TRUE	TRUE					
30886	SR152948	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
30887	SR152949	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30888	SR152950	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30889	SR152951	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/16/1993		9/8/1993			TRUE	TRUE	TRUE					
30890	SR152952	55G	EMPLACED_CNTR	6/22/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	12/20/1984	5/27/2003	3/5/1993	5/27/2003	8/28/1993			TRUE	TRUE	TRUE					
30891	SR152953	55G	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	12/20/1984	10/18/2005	3/5/1993	10/18/2005	8/28/1993			TRUE	TRUE	TRUE					
30892	SR152954	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30893	SR152955	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	12/20/1984		3/2/1993		8/23/1993			TRUE	TRUE	TRUE					
30894	SR152976	55G	EMPLACED_CNTR	12/7/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/23/1993		9/15/1993			TRUE	TRUE	TRUE					
30895	SR152977	55G	EMPLACED_CNTR	11/30/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/16/1993		9/8/1993			TRUE	TRUE	TRUE					
30896	SR152978	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	1/8/1985	9/14/2003	3/19/1993	9/14/2003	9/11/1993			TRUE	TRUE	TRUE					
30897	SR152979	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30898	SR152980	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	1/8/1985	4/28/2006	3/9/1993	4/28/2006	9/1/1993			TRUE	TRUE	TRUE					
30899	SR152980A	55G	EMPLACED_CNTR	1/24/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1		4/28/2006		4/28/2006											
30900	SR152989	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/24/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30901	SR152990	55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	1/8/1985	1/27/2006	2/27/1993	1/27/2006	8/22/1993			TRUE	TRUE	TRUE					
30902	SR152991	55G	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		2/25/1993		8/20/1993			TRUE	TRUE	TRUE					
30903	SR152992	55G	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/30/1993		9/22/1993			TRUE	TRUE	TRUE					
30904	SR152993	55G	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30905	SR152994	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/8/1985		12/31/1999		9/24/2000			TRUE	TRUE	TRUE					
30906	SR152995	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	1/24/1985		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
30907	SR153137	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	2/6/1985	5/11/2007	4/23/1993	5/11/2007	10/16/1993			TRUE	TRUE	TRUE					
30908	SR153137A	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	5/11/2007		5/11/2007		11/3/2007			TRUE	TRUE	TRUE					
30909	SR153138	55G	EMPLACED_CNTR	9/19/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	2/6/1985		9/24/1993		3/19/1994			TRUE	TRUE	TRUE					
30910	SR153139	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	2/6/1985		3/2/1993		8/25/1993			TRUE	TRUE	TRUE					
30911	SR153140	55G	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	2/20/1985		3/4/1993		8/27/1993			TRUE	TRUE	TRUE					
30912	SR153141	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300		0	2/6/1985		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30913	SR153142	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	55300	Remediate	1	2/6/1985	9/26/2006	4/22/1993	9/26/2006	10/15/1993										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
30916	SR153143	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30917	SR153144	SSG	EMPLACED_CNTR	11/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30918	SR153145	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1985	9/26/2006	4/22/1993	9/26/2006	10/15/1993			TRUE	TRUE	TRUE					
30919	SR153146	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
30920	SR153147	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
30921	SR153148	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1985	6/15/2006	2/15/1993	6/15/2006	8/20/1993			TRUE	TRUE	TRUE					
30922	SR153149	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1985	6/27/2003	4/21/1993	6/27/2003	10/14/1993			TRUE	TRUE	TRUE					
30923	SR153150	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30924	SR153151	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1985		4/23/1993		10/16/1993			TRUE	TRUE	TRUE					
30925	SR153152	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	3/24/2004	4/7/1993	3/26/2004	9/30/1993			TRUE	TRUE	TRUE					
30926	SR153153	SSG	EMPLACED_CNTR	7/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30927	SR153154	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		4/6/1993		9/29/1993			TRUE	TRUE	TRUE					
30928	SR153155	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	5/4/2006	3/4/1993	5/4/2006	8/27/1993										
30929	SR153155A	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		5/4/2006		5/4/2006				TRUE	TRUE	TRUE					
30930	SR153156	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
30931	SR153158	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	2/5/2004	2/13/1993	2/5/2004	8/8/1993			TRUE	TRUE	TRUE					
30932	SR153160	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	11/12/2006	2/19/1993	11/12/2006	8/14/1993			TRUE	TRUE	TRUE					
30933	SR153161	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	7/15/2003	4/7/1993	7/15/2003	9/30/1993			TRUE	TRUE	TRUE					
30934	SR153162	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	12/11/2003	2/19/1993	12/11/2003	8/14/1993			TRUE	TRUE	TRUE					
30935	SR153163	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	7/17/2006	2/12/1993	7/17/2006	8/7/1993										
30936	SR153163A	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		4/20/2006		4/20/2006											
30937	SR153164	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Lid Removal	0	2/25/1985	1/17/2003	2/12/1993	1/17/2003	8/7/1993			TRUE	TRUE	TRUE					
30938	SR153165	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30939	SR153166	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		2/25/1993		8/20/1993			TRUE	TRUE	TRUE					
30940	SR153167	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		2/13/1993		8/8/1993			TRUE	TRUE	TRUE					
30941	SR153168	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		2/13/1993		8/8/1993			TRUE	TRUE	TRUE					
30942	SR153169	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		4/7/1993		9/30/1993			TRUE	TRUE	TRUE					
30943	SR153170	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/12/1993		8/7/1993			TRUE	TRUE	TRUE					
30944	SR153171	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
30945	SR153172	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
30946	SR153173	SSG	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
30947	SR153174	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		2/12/1993		8/7/1993			TRUE	TRUE	TRUE					
30948	SR153175	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1985	4/20/2006	2/19/1993	4/20/2006	8/14/1993			TRUE	TRUE	TRUE					
30949	SR153176	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/20/1985		3/4/1993		8/27/1993			TRUE	TRUE	TRUE					
30950	SR153211	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	5/2/2006	2/19/1993	5/2/2006	8/14/1993			TRUE	TRUE	TRUE					
30951	SR153212	SSG	EMPLACED_CNTR	7/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	2/10/2004	2/25/1993	2/10/2004	8/20/1993			TRUE	TRUE	TRUE					
30952	SR153213	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/28/1985		2/11/1993		8/6/1993			TRUE	TRUE	TRUE					
30953	SR153216	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1985	2/10/2004	6/12/1993	2/10/2004	2/4/1994			TRUE	TRUE	TRUE					
30954	SR153217	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	8/22/2006	2/18/1993	8/22/2006	8/13/1993			TRUE	TRUE	TRUE					
30955	SR153219	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/28/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
30956	SR153220	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	5/21/2003	2/27/1993	5/21/2003	8/22/1993			TRUE	TRUE	TRUE					
30957	SR153221	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	5/21/2003	2/19/1993	5/21/2003	8/14/1993			TRUE	TRUE	TRUE					
30958	SR153223	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	6/25/2003	2/25/1993	6/25/2003	8/20/1993			TRUE	TRUE	TRUE					
30959	SR153224	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/28/1985	10/2/2006	2/18/1993	10/2/2006	8/13/1993			TRUE	TRUE	TRUE					
30960	SR153225	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/28/1985		2/13/1993		8/8/1993			TRUE	TRUE	TRUE					
30961	SR153241	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/22/1985		2/19/1993		8/14/1993			TRUE	TRUE	TRUE					
30962	SR153242	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		2/13/1993		8/8/1993			TRUE	TRUE	TRUE					
30963	SR153243	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/25/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30964	SR153244	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/25/1985	9/15/2003	2/20/1993	9/15/2003	8/15/1993			TRUE	TRUE	TRUE					
30965	SR153245	SSG	EMPLACED_CNTR	10/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/25/1985	2/10/2004	2/9/1993	2/10/2004	8/4/1993			TRUE	TRUE	TRUE					
30966	SR154064	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	5/15/2006	12/31/1999	5/15/2006	6/24/2000										
30967	SR154064A	SSG	EMPLACED_CNTR	6/27/2012 13:15	5/15/2012 21:06	mccabed	SR-WQ27-FB-PRE86-C	SS300			5/15/2006	3/7/2012	5/15/2006	3/7/2012		SWD061132 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
30968	SR154065	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
30969	SR154066	SSG	EMPLACED_CNTR	10/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		1/5/1995		6/30/1995			TRUE	TRUE	TRUE					
30970	SR154067	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/5/1985	9/1/2003	12/9/1994	9/1/2003	6/3/1995			TRUE	TRUE	TRUE					
30971	SR154068	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
30972	SR154075	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/5/1985	3/12/2006	12/31/1999	3/12/2006	6/24/2000			TRUE	TRUE	TRUE					
30973	SR154076	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	5/5/2003	12/31/1999	5/5/2003	6/24/2000			TRUE	TRUE	TRUE					
30974	SR154077	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/4/1985	9/4/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
30975	SR154078	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
30976	SR154079	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	9/20/2003	12/31/1999	9/20/2003	6/24/2000			TRUE	TRUE	TRUE					
30977	SR154080	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	3/22/2004	11/6/1994	3/22/2004	5/3/1995			TRUE	TRUE	TRUE					
30978	SR154081	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
30979	SR154082	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/4/1985	9/4/1985	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
30980	SR154083	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1985	2/17/2006	12/31/1999	2/17/2006	6/24/2000			TRUE	TRUE	TRUE					
30981	SR154084	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	9/13/2003	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
30982	SR154085	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
30983	SR154088	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
30984	SR154087	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	7/30/2003	12/31/1999	7/30/2003	6/24/2000			TRUE	TRUE	TRUE					
30985	SR154096	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
30986	SR154097	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
30987	SR154098	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	1/16/2004	12/31/1999	1/16/2004	6/24/2000			TRUE	TRUE	TRUE					
30988	SR154822	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/19/1993		9/11/1993			TRUE	TRUE	TRUE					
30989	SR154823	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30990	SR154824	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/25/1993		9/17/1993			TRUE	TRUE	TRUE					
30991	SR154825	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		2/27/1993		8/22/1993			TRUE	TRUE	TRUE					
30992	SR154826	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1985	2/10/2004	3/18/1993	2/10/2004	9/10/1993			TRUE	TRUE	TRUE					
30993	SR154828	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1985	7/14/2003	2/24/1993	7/14/2003	8/19/1993			TRUE	TRUE	TRUE					
30994	SR154829	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30995	SR154830	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		2/24/1993		8/19/1993			TRUE	TRUE	TRUE					
30996	SR154831	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/24/1993		9/16/1993			TRUE	TRUE	TRUE					
30997	SR154832	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/5/1993		8/28/1993			TRUE	TRUE	TRUE					
30998	SR154833	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1985	5/27/2003	4/1/1993	5/27/2003	9/24/1993										
30999	SR154833A	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		5/27/2003		5/27/2003				TRUE	TRUE	TRUE					
31000	SR154834	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1985	2/5/2004	3/3/1993	2/5/2004	8/25/1993			TRUE	TRUE	TRUE					
31001	SR154835	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/24/1985	4/4/2006	3/24/1993	4/4/2006	9/16/1993			TRUE	TRUE	TRUE					
31002	SR154836	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/24/1985		3/5/1993		8/28/1993										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31003	SR154837	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/24/1985		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
31004	SR154839	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		3/18/1993		9/10/1993			TRUE	TRUE	TRUE					
31005	SR154840	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
31006	SR154841	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
31007	SR154842	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/16/1993		10/9/1993			TRUE	TRUE	TRUE					
31008	SR154843	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/6/1985	11/8/2006	4/22/1993	11/8/2006	10/15/1993			TRUE	TRUE	TRUE					
31009	SR154844	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		3/17/1993		9/9/1993			TRUE	TRUE	TRUE					
31010	SR154845	SSG	EMPLACED_CNTR	7/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		3/18/1993		9/10/1993			TRUE	TRUE	TRUE					
31011	SR154846	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/6/1985	12/8/2005	3/19/1993	12/8/2005	9/11/1993			TRUE	TRUE	TRUE					
31012	SR154847	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		3/2/1993		8/25/1993			TRUE	TRUE	TRUE					
31013	SR154848	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/22/1993		10/15/1993			TRUE	TRUE	TRUE					
31014	SR154849	SSG	EMPLACED_CNTR	11/25/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/21/1993		10/14/1993			TRUE	TRUE	TRUE					
31015	SR154850	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1985		3/4/1993		8/27/1993			TRUE	TRUE	TRUE					
31016	SR154851	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		4/15/1993		10/8/1993			TRUE	TRUE	TRUE					
31017	SR154852	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/6/1985		2/20/1993		8/15/1993			TRUE	TRUE	TRUE					
31018	SR154912	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/4/1985	12/3/2004	12/31/1999	12/3/2004	6/24/2000			TRUE	TRUE	TRUE					
31019	SR154913	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	9/4/1985		12/31/1998		6/24/2000			TRUE	TRUE	TRUE					
31020	SR157533	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		5/26/1993		11/18/1993			TRUE	TRUE	TRUE					
31021	SR157534	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
31022	SR157535	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
31023	SR157536	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
31024	SR157537	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31025	SR157538	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
31026	SR157539	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/4/1993		11/27/1993			TRUE	TRUE	TRUE					
31027	SR157540	SSG	EMPLACED_CNTR	10/13/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31028	SR157541	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31029	SR159753	SSG	EMPLACED_CNTR	9/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/22/1984		8/4/1993		1/27/1994			TRUE	TRUE	TRUE					
31030	SR159752	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/22/1984		8/5/1993		1/28/1994			TRUE	TRUE	TRUE					
31031	SR159753	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/22/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31032	SR159755	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/22/1984	11/1/2006	9/10/1993	11/1/2006	3/5/1994			TRUE	TRUE	TRUE					
31033	SR159756	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/22/1984	5/8/2008	8/10/1993	5/8/2008	2/2/1994			TRUE	TRUE	TRUE					
31034	SR159757	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/22/1984		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
31035	SR159758	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/22/1984	11/2/2006	8/17/1993	11/2/2006	2/9/1994			TRUE	TRUE	TRUE					
31036	SR159762	SSG	EMPLACED_CNTR	2/28/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/3/1984	7/21/2003	8/12/1993	7/21/2003	2/4/1994			TRUE	TRUE	TRUE					
31037	SR159763	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31038	SR159764	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/13/1993		2/3/1994			TRUE	TRUE	TRUE					
31039	SR159765	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31040	SR159766	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31041	SR159767	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31042	SR159768	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/3/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31043	SR159771	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		9/2/1993		2/25/1994			TRUE	TRUE	TRUE					
31044	SR159772	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31045	SR159773	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31046	SR159774	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31047	SR159775	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	6/25/2003	8/13/1993	6/25/2003	2/5/1994			TRUE	TRUE	TRUE					
31048	SR159776	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31049	SR159777	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	6/27/2005	8/11/1993	6/27/2005	2/3/1994			TRUE	TRUE	TRUE					
31050	SR159778	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	3/25/2006	8/13/1993	3/25/2006	2/5/1994			TRUE	TRUE	TRUE					
31051	SR159780	SSG	EMPLACED_CNTR	10/9/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31052	SR159781	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31053	SR159782	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31054	SR159783	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
31055	SR159784	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	3/6/2007	8/11/1993	3/6/2007	2/5/1994			TRUE	TRUE	TRUE					
31056	SR159788	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/10/1984		9/23/1993		3/18/1994			TRUE	TRUE	TRUE					
31057	SR159789	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	1/28/2004	8/12/1993	1/28/2004	2/4/1994			TRUE	TRUE	TRUE					
31058	SR159790	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/10/1984	5/5/2003	8/17/1993	5/5/2003	2/9/1994			TRUE	TRUE	TRUE					
31059	SR159792	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31060	SR159793	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31061	SR159794	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31062	SR159795	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31063	SR159796	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31064	SR159797	SSG	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		9/23/1993		3/18/1994			TRUE	TRUE	TRUE					
31065	SR159798	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/17/1984	4/17/1984	8/13/1993	12/3/2006	2/5/1994			TRUE	TRUE	TRUE					
31066	SR159799	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31067	SR159800	SSG	EMPLACED_CNTR	8/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		7/29/1993		1/21/1994			TRUE	TRUE	TRUE					
31068	SR159801	SSG	EMPLACED_CNTR	8/15/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31069	SR159802	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31070	SR159803	SSG	EMPLACED_CNTR	12/17/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/17/1984	9/15/2003	8/17/1993	9/15/2003	2/9/1994			TRUE	TRUE	TRUE					
31071	SR159804	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31072	SR159805	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31073	SR159806	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31074	SR159807	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31075	SR159808	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31076	SR159809	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/17/1993		2/9/1994			TRUE	TRUE	TRUE					
31077	SR159811	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/17/1984		8/13/1993		2/5/1994			TRUE	TRUE	TRUE					
31078	SR159812	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/24/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31079	SR159813	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/24/1984	4/30/2003	8/24/1993	4/30/2003	2/16/1994			TRUE	TRUE	TRUE					
31080	SR159813A	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/30/2003	4/30/2003	4/30/2003	4/30/2003	10/23/2003			TRUE	TRUE	TRUE					
31081	SR159814	SSG	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/24/1984		9/10/1993		3/5/1994			TRUE	TRUE	TRUE					
31082	SR159815	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/24/1984	9/21/2003	8/26/1993	9/21/2003	2/18/1994			TRUE	TRUE	TRUE					
31083	SR159816	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/24/1984		9/2/1993		2/25/1994			TRUE	TRUE	TRUE					
31084	SR159817	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/24/1984		9/10/1993		3/5/1994			TRUE	TRUE	TRUE					
31085	SR159818	SSG	EMPLACED_CNTR	9/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/26/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31086	SR159819	SSG	EMPLACED_CNTR	9/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/26/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31087	SR159820	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/26/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31088	SR159821	SSG	EMPLACED_CNTR	9/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/26/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31089	SR159822	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/1/1984	4/29/2004	9/23/1993	4/29/2004	3/18/1994			TRUE	TRUE	TRUE					
31090	SR159823	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/1/1984	5/6/2003	8/11/1993	5/5/2003	2/3/1994			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31092	SR159824	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/1/1993		2/3/1994			TRUE	TRUE	TRUE					
31093	SR159825	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/1/1984	3/25/2003	8/1/1993	3/25/2003	2/3/1994			TRUE	TRUE	TRUE					
31093	SR159826	SSG	EMPLACED_CNTR	2/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/1/1993		2/3/1994			TRUE	TRUE	TRUE					
31094	SR159827	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31095	SR159828	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/12/1993		2/3/1994			TRUE	TRUE	TRUE					
31096	SR159829	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31097	SR159830	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31098	SR159831	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/1/1984	2/13/2006	8/12/1993	2/13/2006	2/4/1994										
31099	SR159831A	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		2/9/2004		2/9/2004											
31100	SR159832	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/1/1993		1/26/1994			TRUE	TRUE	TRUE					
31101	SR159833	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31102	SR159834	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31103	SR159835	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/1/1984		8/11/1993		2/3/1994			TRUE	TRUE	TRUE					
31104	SR159836	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/1/1984	6/7/2003	8/11/1993	6/7/2003	2/3/1994			TRUE	TRUE	TRUE					
31105	SR159838	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/22/1993		1/19/1994			TRUE	TRUE	TRUE					
31106	SR159839	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	6/10/2003	7/22/1993	6/10/2003	1/14/1994			TRUE	TRUE	TRUE					
31107	SR159840	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	2/10/2004	7/30/1993	2/10/2004	1/22/1994			TRUE	TRUE	TRUE					
31108	SR159841	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	6/2/2006	7/20/1993	6/2/2006	1/12/1994			TRUE	TRUE	TRUE					
31109	SR159842	SSG	EMPLACED_CNTR	5/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31110	SR159843	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31111	SR159844	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31112	SR159845	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		9/15/1993		3/16/1994			TRUE	TRUE	TRUE					
31113	SR159846	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31114	SR159847	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31115	SR159848	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	12/13/2006	7/22/1993	12/13/2006	1/14/1994			TRUE	TRUE	TRUE					
31116	SR159850	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31117	SR159851	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	7/31/2003	7/16/1993	7/31/2003	1/8/1994			TRUE	TRUE	TRUE					
31118	SR159853	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31119	SR159854	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31120	SR159855	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31121	SR159856	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/22/1984	3/24/2004	9/3/1993	3/24/2004	2/28/1994										
31122	SR159856A	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		3/24/2004		3/24/2004											
31123	SR159857	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
31124	SR159858	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31125	SR159859	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31126	SR159860	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/22/1984		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
31127	SR159861	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/24/1984	9/20/2003	7/20/1993	9/20/2003	1/12/1994			TRUE	TRUE	TRUE					
31128	SR159862	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/24/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31129	SR159863	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/24/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31130	SR159864	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/24/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31131	SR159865	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/24/1984	7/25/2003	7/16/1993	7/25/2003	1/8/1994			TRUE	TRUE	TRUE					
31132	SR159866	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/24/1984	8/11/2008	7/20/1993	8/11/2003	1/12/1994			TRUE	TRUE	TRUE					
31133	SR159867	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/24/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31134	SR159868	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31135	SR159869	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31136	SR159870	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31137	SR159872	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31138	SR159873	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31139	SR159874	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31140	SR159875	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/14/1993		1/14/1994			TRUE	TRUE	TRUE					
31141	SR159876	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31142	SR159877	SSG	EMPLACED_CNTR	7/2/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/14/1993		1/14/1994			TRUE	TRUE	TRUE					
31143	SR159878	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31144	SR159879	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/22/1993		1/20/1994			TRUE	TRUE	TRUE					
31145	SR159880	SSG	EMPLACED_CNTR	8/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/31/1984	2/9/2004	7/22/1993	2/9/2004	1/14/1994			TRUE	TRUE	TRUE					
31146	SR159881	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/23/1993		1/25/1994			TRUE	TRUE	TRUE					
31147	SR159882	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31148	SR159883	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31149	SR159884	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31150	SR159885	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31151	SR159886	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/31/1984	9/14/2009	7/15/1993	9/14/2003	1/7/1994			TRUE	TRUE	TRUE					
31152	SR159887	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	5/31/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31153	SR159888	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31154	SR159889	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31155	SR159890	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/30/1993		1/22/1994			TRUE	TRUE	TRUE					
31156	SR159891	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31157	SR159892	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31158	SR159893	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31159	SR159894	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31160	SR159895	SSG	EMPLACED_CNTR	7/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31161	SR159896	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1984	5/17/2006	7/23/1993	5/17/2006	1/25/1994			TRUE	TRUE	TRUE					
31162	SR159897	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		8/4/1993		1/25/1994			TRUE	TRUE	TRUE					
31163	SR159898	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31164	SR159899	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31165	SR159900	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31166	SR159901	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1984	3/6/2004	7/21/1993	3/6/2004	1/13/1994			TRUE	TRUE	TRUE					
31167	SR159903	SSG	EMPLACED_CNTR	6/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		9/23/1993		3/18/1994			TRUE	TRUE	TRUE					
31168	SR159904	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31169	SR159905	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31170	SR159906	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1984	10/20/2005	7/14/1993	10/20/2005	1/6/1994			TRUE	TRUE	TRUE					
31171	SR159907	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31172	SR159908	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31173	SR159909	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1984	11/14/2005	7/23/1993	11/14/2005	1/15/1994			TRUE	TRUE	TRUE					
31174	SR159910	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31175	SR159911	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/5/1984	5/5/2008	7/16/1993	5/5/2008	1/8/1994										
31176	SR159911A	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		9/24/2006		9/24/2006											
31177	SR159912	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31178	SR159914	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/12/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31179	SR159915	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31180	SR159916	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31181	SR159917	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31182	SR159918	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	2/11/2004	7/13/1993	2/11/2004	1/5/1994			TRUE	TRUE	TRUE					
31183	SR159919	SSG	EMPLACED_CNTR	5/5/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/8/1993		1/1/1994			TRUE	TRUE	TRUE					
31184	SR159920	SSG	EMPLACED_CNTR	6/16/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31185	SR159921	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	1/10/2006	7/15/1993	1/10/2006	1/7/1994			TRUE	TRUE	TRUE					
31186	SR159922	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31187	SR159923	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31188	SR159924	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31189	SR159925	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31190	SR159926	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		8/6/1993		1/29/1994			TRUE	TRUE	TRUE					
31191	SR159927	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	6/27/2003	7/7/1993	6/27/2003	12/30/1993			TRUE	TRUE	TRUE					
31192	SR159928	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31193	SR159929	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31194	SR159930	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31195	SR159931	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31196	SR159932	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	6/6/2006	7/23/1993	6/6/2006	1/15/1994			TRUE	TRUE	TRUE					
31197	SR159933	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	7/16/2003	7/13/1993	7/16/2003	1/5/1994			TRUE	TRUE	TRUE					
31198	SR159936	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31199	SR159937	SSG	EMPLACED_CNTR	6/28/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31200	SR159938	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31201	SR159939	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31202	SR159940	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/12/1984	5/22/2003	7/15/1993	5/22/2003	1/7/1994			TRUE	TRUE	TRUE					
31203	SR159941	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31204	SR159942	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31205	SR159943	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31206	SR159944	SSG	EMPLACED_CNTR	11/24/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/12/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31207	SR159945	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/14/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31208	SR159946	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	6/14/1984	6/14/1984	7/22/1993	11/13/2003	1/14/1994			TRUE	TRUE	TRUE					
31209	SR159947	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	5/6/2006	8/13/1993	5/6/2006	2/5/1994			TRUE	TRUE	TRUE					
31210	SR159948	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/14/1984		7/14/1993		1/6/1994			TRUE	TRUE	TRUE					
31211	SR159949	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	12/13/2003	9/23/1993	12/13/2003	3/18/1994			TRUE	TRUE	TRUE					
31212	SR159950	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/14/1984		7/15/1993		1/7/1994			TRUE	TRUE	TRUE					
31213	SR159951	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	4/13/2004	7/16/1993	4/13/2004	1/8/1994			TRUE	TRUE	TRUE					
31214	SR159952	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/14/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31215	SR159953	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	9/26/2006	7/23/1993	9/26/2006	1/15/1994			TRUE	TRUE	TRUE					
31216	SR159954	SSG	EMPLACED_CNTR	3/10/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	9/2/2006	7/23/1993	9/2/2006	1/15/1994			TRUE	TRUE	TRUE					
31217	SR159955	SSG	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	6/7/2006	7/23/1993	6/7/2006	1/15/1994			TRUE	TRUE	TRUE					
31218	SR159956	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/14/1984		7/16/1993		1/8/1994			TRUE	TRUE	TRUE					
31219	SR159957	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/14/1984	8/23/2005	7/7/1993	8/23/2005	12/30/1993			TRUE	TRUE	TRUE					
31220	SR159958	SSG	EMPLACED_CNTR	4/27/2012 15:14	10/11/2011 15:21	mccabed	SR-WQ27-FB-PRE86-C	SS300	Remediation	0	6/19/1984	10/6/2011	9/23/1993	10/6/2011		- Rpkgd into SR159958A		TRUE	TRUE	TRUE					
31221	SR159958A	SSG	EMPLACED_CNTR	11/15/2012 14:02	10/11/2011 15:21	mccabed	SR-WQ27-FB-PRE86-C	SS300	None	0	10/6/2011		10/6/2011			- Rpkgd was SR159958		TRUE	TRUE	TRUE			SR159958		Daughter
31222	SR159959	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/9/1993		1/1/1994			TRUE	TRUE	TRUE					
31223	SR159960	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31224	SR159961	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31225	SR159962	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/7/1993		12/30/1993			TRUE	TRUE	TRUE					
31226	SR159963	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31227	SR159964	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31228	SR159965	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/19/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31229	SR159966	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/28/1984		7/9/1993		1/1/1994			TRUE	TRUE	TRUE					
31230	SR159967	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/28/1984		7/13/1993		1/5/1994			TRUE	TRUE	TRUE					
31231	SR159968	SSG	APPROVED_CERT		10/1/2012 16:48	mccabed	SR-WQ27-FB-PRE86-C	SS300	Remediation		6/28/1984	9/27/2012	5/9/2004	9/27/2012		221-4-55001	Rpkgd into SR159968A Rpkgd into SR159968B	TRUE	TRUE	TRUE					
31232	SR159968A	SSG	APPROVED_CERT		10/1/2012 16:48	mccabed	SR-WQ27-FB-PRE86-C	SS300	None		9/27/2012		9/27/2012				- Rpkgd was SR159968	TRUE	TRUE	TRUE			SR159968		Daughter
31233	SR159968B	SSG	APPROVED_CERT		10/1/2012 16:48	mccabed	SR-WQ27-FB-PRE86-C	SS300	None		9/27/2012		9/27/2012				- Rpkgd was SR159968	TRUE	TRUE	TRUE			SR159968		Daughter
31234	SR159969	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/28/1984	2/10/2004	7/8/1993	2/10/2004	12/31/1993			TRUE	TRUE	TRUE					
31235	SR159969A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		2/10/2004		2/10/2004											
31236	SR159970	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/28/1984	3/20/2003	7/8/1993	3/20/2003	12/31/1993			TRUE	TRUE	TRUE					
31237	SR159971	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/28/1984	6/20/2003	7/8/1993	6/20/2003	12/31/1993			TRUE	TRUE	TRUE					
31238	SR159972	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/28/1984	1/23/2004	7/7/1993	1/23/2004	12/30/1993			TRUE	TRUE	TRUE					
31239	SR159975	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/28/1984	7/24/2003	7/8/1993	7/24/2003	12/31/1993			TRUE	TRUE	TRUE					
31240	SR159976	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	6/28/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31241	SR159977	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/12/1984	12/8/2005	7/8/1993	12/8/2005	12/31/1993			TRUE	TRUE	TRUE					
31242	SR159978	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/12/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31243	SR159979	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/12/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31244	SR159980	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/12/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31245	SR159981	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/12/1984	1/21/2004	7/8/1993	1/21/2004	12/31/1993			TRUE	TRUE	TRUE					
31246	SR159982	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/12/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31247	SR159983	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/12/1984	8/12/2003	7/8/1993	8/12/2003	12/31/1993			TRUE	TRUE	TRUE					
31248	SR159984	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/12/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31249	SR159985	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	2/10/2004	7/8/1993	2/10/2004	12/31/1993			TRUE	TRUE	TRUE					
31250	SR159985A	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		2/10/2004		2/10/2004											
31251	SR159990	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31252	SR159991	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		9/23/1993		1/18/1994			TRUE	TRUE	TRUE					
31253	SR159992	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	7/18/2006	9/23/1993	7/18/2006	1/18/1994			TRUE	TRUE	TRUE					
31254	SR159992A	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		7/18/2006		7/18/2006											
31255	SR159993	SSG	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	1/23/2008	7/16/1993	1/23/2008	1/8/1994			TRUE	TRUE	TRUE					
31256	SR159994	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	11/10/2003	6/22/1993	11/10/2003	12/15/1993			TRUE	TRUE	TRUE					
31257	SR159995	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/13/1993		1/15/1994			TRUE	TRUE	TRUE					
31258	SR159996	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31259	SR159997	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/8/1993		12/31/1993			TRUE	TRUE	TRUE					
31260	SR159998	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/23/1993		1/15/1994			TRUE	TRUE	TRUE					
31261	SR159999	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/23/1984	6/23/2003	7/21/1993	6/23/2003	1/15/1994			TRUE	TRUE	TRUE					
31262	SR160000	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	7/23/1984		7/22/1993		1/14/1994			TRUE	TRUE	TRUE					
31263	SR162414	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	8/16/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31264	SR162415	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	8/16/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31265	SR162416	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Upd	SR-WQ27-FB-PRE86-C	SS300		0	8/16/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31266	SR162417	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31267	SR162418	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31268	SR162419	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31269	SR162420	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31270	SR162421	55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31271	SR162422	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31272	SR162423	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31273	SR162424	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31274	SR162425	55G	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/21/1984	8/23/1984	7/20/1993	11/27/2006	1/13/1994			TRUE	TRUE	TRUE					
31275	SR162426	55G	EMPLACED_CNTR	9/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31276	SR162427	55G	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31277	SR162428	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	5/20/2003	6/3/1993	5/20/2003	11/26/1993			TRUE	TRUE	TRUE					
31278	SR162428A	55G	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/20/2003	5/20/2003	5/20/2003	5/20/2003	11/12/2003			TRUE	TRUE	TRUE					
31279	SR162429	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	6/17/2003	6/1/1993	6/17/2003	11/24/1993			TRUE	TRUE	TRUE					
31280	SR162429A	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/17/2003	6/17/2003	6/17/2003	6/17/2003	12/10/2003			TRUE	TRUE	TRUE					
31281	SR162430	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31282	SR162431	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31283	SR162432	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31284	SR162433	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31285	SR162434	55G	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31286	SR162435	55G	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31287	SR162436	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31288	SR162437	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	1/31/2004	6/2/1993	1/31/2004	11/25/1993			TRUE	TRUE	TRUE					
31289	SR162438	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	9/23/2006	6/2/1993	9/23/2006	11/25/1993			TRUE	TRUE	TRUE					
31290	SR162439	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31291	SR162440	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	6/4/2003	6/2/1993	6/4/2003	11/25/1993			TRUE	TRUE	TRUE					
31292	SR162441	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31293	SR162442	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31294	SR162443	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31295	SR162444	55G	EMPLACED_CNTR	3/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31296	SR162445	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31297	SR162446	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31298	SR162447	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31299	SR162448	55G	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31300	SR162449	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/21/1984	5/30/2003	6/1/1993	5/30/2003	11/24/1993			TRUE	TRUE	TRUE					
31301	SR162450	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/21/1984	8/21/1984	6/3/1993	2/23/2004	11/26/1993			TRUE	TRUE	TRUE					
31302	SR162451	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/3/1993		11/26/1993			TRUE	TRUE	TRUE					
31303	SR162452	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31304	SR162453	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31305	SR162463	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/9/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31306	SR162464	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31307	SR162465	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31308	SR162466	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1984	7/1/2003	6/23/1993	7/1/2003	12/16/1993			TRUE	TRUE	TRUE					
31309	SR162467	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31310	SR167468	85G	EMPLACED_CNTR	5/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		9/23/1993		3/18/1994			TRUE	TRUE	TRUE					
31311	SR162470	55G	EMPLACED_CNTR	7/30/2003	4/26/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		6/23/1993		12/15/1993			TRUE	TRUE	TRUE					
31312	SR162471	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31313	SR162472	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31314	SR162473	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		7/16/1993		1/6/1994			TRUE	TRUE	TRUE					
31315	SR162474	85G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1984	11/1/2003	9/23/1993	11/1/2003	3/18/1994			TRUE	TRUE	TRUE					
31316	SR162475	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1984	3/14/2003	6/23/1993	3/14/2003	12/15/1993			TRUE	TRUE	TRUE					
31317	SR162476	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1984		7/21/1993		1/14/1994			TRUE	TRUE	TRUE					
31318	SR162477	55G	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31319	SR162478	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31320	SR162479	55G	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31321	SR162480	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31322	SR162481	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31323	SR162482	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/23/1993		12/16/1993			TRUE	TRUE	TRUE					
31324	SR162483	55G	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/16/1984	4/19/2006	6/23/1993	4/19/2006	12/16/1993			TRUE	TRUE	TRUE					
31325	SR162484	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/18/1993		12/11/1993			TRUE	TRUE	TRUE					
31326	SR162485	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/21/1993		1/13/1994			TRUE	TRUE	TRUE					
31327	SR162486	55G	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
31328	SR162487	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
31329	SR162488	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31330	SR162489	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31331	SR162490	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
31332	SR162491	55G	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31333	SR162492	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/27/1993		1/19/1994			TRUE	TRUE	TRUE					
31334	SR162494	85G	EMPLACED_CNTR	7/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		9/23/1993		3/18/1994			TRUE	TRUE	TRUE					
31335	SR162495	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		7/20/1993		1/12/1994			TRUE	TRUE	TRUE					
31336	SR162496	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		6/22/1993		12/15/1993			TRUE	TRUE	TRUE					
31337	SR162497	55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/16/1984		9/5/1993		2/26/1994			TRUE	TRUE	TRUE					
31338	SR162498	55G	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31339	SR162499	55G	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/1/1993		11/24/1993			TRUE	TRUE	TRUE					
31340	SR162500	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1984		6/2/1993		11/25/1993			TRUE	TRUE	TRUE					
31341	SR170253	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/19/1993		8/14/1993			TRUE	TRUE	TRUE					
31342	SR170254	55G	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/18/1993		8/13/1993			TRUE	TRUE	TRUE					
31343	SR170255	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/12/1985	4/29/2003	2/11/1993	4/29/2003	8/6/1993			TRUE	TRUE	TRUE					
31344	SR170256	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31345	SR170257	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/25/1993		8/20/1993			TRUE	TRUE	TRUE					
31346	SR170258	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31347	SR170259	55G	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/18/1993		8/13/1993			TRUE	TRUE	TRUE					
31348	SR170260	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/11/1993		8/6/1993			TRUE	TRUE	TRUE					
31349	SR170261	55G	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
31350	SR170262	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/19/1985	11/17/2006	2/4/1993	11/17/2006	7/30/1993			TRUE	TRUE	TRUE					
31351	SR170263	55G	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1985	2/10/2004	2/13/1993	2/10/2004	8/8/1993			TRUE	TRUE	TRUE					
31352	SR170264	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		3/4/1993		8/27/1993			TRUE	TRUE	TRUE					
31353	SR170265	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/12/1985		2/19/1993		8/14/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31354	SR170266	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/12/1985		2/11/1993		8/6/1993			TRUE	TRUE	TRUE					
31355	SR170267	55G	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/12/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
31356	SR170268	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31357	SR170269	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/12/1985		2/26/1993		8/21/1993			TRUE	TRUE	TRUE					
31358	SR170270	55G	EMPLACED_CNTR	7/15/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/12/1985	2/10/2004	2/20/1993	2/10/2004	8/15/1993			TRUE	TRUE	TRUE					
31359	SR170271	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/12/1985	9/19/2003	3/4/1993	9/19/2003	8/27/1993			TRUE	TRUE	TRUE					
31360	SR170272	55G	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/12/1985		2/12/1993		8/7/1993			TRUE	TRUE	TRUE					
31361	SR170273	55G	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/12/1985		2/12/1993		8/7/1993			TRUE	TRUE	TRUE					
31362	SR170274	55G	EMPLACED_CNTR	1/4/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/1/1985	4/30/2003	12/9/1994	4/30/2003	5/3/1995			TRUE	TRUE	TRUE					
31363	SR170324	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/1/1994		5/27/1995			TRUE	TRUE	TRUE					
31364	SR170325	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31365	SR170326	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
31366	SR170328	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
31367	SR170329	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31368	SR170330	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/17/1985	7/31/2003	12/31/1999	7/31/2003	6/24/2000			TRUE	TRUE	TRUE					
31369	SR170331	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31370	SR170332	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/17/1985	2/15/2004	12/31/1999	2/15/2004	6/24/2000			TRUE	TRUE	TRUE					
31371	SR170333	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31372	SR170334	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
31373	SR170335	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31374	SR170336	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/17/1985	10/30/2006	12/31/1999	10/30/2006	6/24/2000			TRUE	TRUE	TRUE					
31375	SR170337	55G	EMPLACED_CNTR	8/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		10/26/1994		4/20/1995			TRUE	TRUE	TRUE					
31376	SR170338	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	4/17/1985	4/17/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
31377	SR170339	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31378	SR170340	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31379	SR170341	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	4/17/1985	4/17/1985	12/31/1999	3/17/2004	6/24/2000			TRUE	TRUE	TRUE					
31380	SR170342	55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/17/1985	3/11/2003	12/31/1999	3/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31381	SR170343	55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31382	SR170344	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31383	SR170345	55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	4/17/1985	3/20/2003	12/31/1999	3/20/2003	6/24/2000			TRUE	TRUE	TRUE					
31384	SR170346	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31385	SR170415	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
31386	SR170416	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31387	SR170418	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		11/23/1994		5/18/1995			TRUE	TRUE	TRUE					
31388	SR170419	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31389	SR170420	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300	Remediate	1	5/1/1985	5/5/2003	12/31/1999	5/5/2003	6/24/2000			TRUE	TRUE	TRUE					
31390	SR170421	55G	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31391	SR170422	55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300	Remediate	1	5/1/1985	10/22/2006	12/31/1999	10/22/2006	6/24/2000			TRUE	TRUE	TRUE					
31392	SR170423	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
31393	SR170424	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		11/22/1994		5/17/1995			TRUE	TRUE	TRUE					
31394	SR170425	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	5/1/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31395	SR170426	55G	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	5/1/1985	3/26/2004	11/16/1994	3/26/2004	5/11/1995			TRUE	TRUE	TRUE					
31396	SR170427	55G	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31397	SR170428	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	5/1/1985	5/1/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31398	SR170429	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31399	SR170430	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31400	SR170431	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		1/20/1995		7/15/1995			TRUE	TRUE	TRUE					
31401	SR170432	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	5/1/1985	11/2/2003	10/27/1994	11/2/2003	4/21/1995			TRUE	TRUE	TRUE					
31402	SR170433	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	5/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31403	SR170447	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/19/1985		2/7/1993		7/28/1993			TRUE	TRUE	TRUE					
31404	SR170448	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/19/1985		2/3/1993		7/29/1993			TRUE	TRUE	TRUE					
31405	SR170449	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		2/2/1993		7/28/1993			TRUE	TRUE	TRUE					
31406	SR170450	55G	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/19/1985	2/11/2004	1/29/1993	2/11/2004	7/24/1993			TRUE	TRUE	TRUE					
31407	SR170451	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31408	SR170452	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31409	SR170453	55G	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/19/1985	6/26/2003	2/2/1993	6/26/2003	7/28/1993			TRUE	TRUE	TRUE					
31410	SR170454	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/2/1993		7/28/1993			TRUE	TRUE	TRUE					
31411	SR170455	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	5/3/2006	1/31/1993	5/3/2006	7/22/1993			TRUE	TRUE	TRUE					
31412	SR170456	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	9/19/2003	2/3/1993	9/19/2003	7/29/1993			TRUE	TRUE	TRUE					
31413	SR170457	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		1/27/1993		7/22/1993			TRUE	TRUE	TRUE					
31414	SR170458	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31415	SR170459	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31416	SR170460	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31417	SR170461	55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31418	SR170462	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	4/29/2003	2/5/1993	4/29/2003	7/31/1993			TRUE	TRUE	TRUE					
31419	SR170463	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		1/30/1993		7/15/1993			TRUE	TRUE	TRUE					
31420	SR170464	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/5/1993		8/4/1993			TRUE	TRUE	TRUE					
31421	SR170465	55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	3/25/2003	2/5/1993	3/25/2003	7/31/1993			TRUE	TRUE	TRUE					
31422	SR170466	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	2/8/2004	2/2/1993	2/8/2004	7/28/1993			TRUE	TRUE	TRUE					
31423	SR170467	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	2/22/2004	2/6/1992	2/22/2004	8/1/1993			TRUE	TRUE	TRUE					
31424	SR170467A	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		2/22/2004		2/22/2004											
31425	SR170468	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/2/1993		7/28/1993			TRUE	TRUE	TRUE					
31426	SR170469	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	3/14/2003	1/28/1993	3/14/2003	7/23/1993			TRUE	TRUE	TRUE					
31427	SR170470	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	6/27/2003	1/29/1993	6/27/2003	7/24/1993			TRUE	TRUE	TRUE					
31428	SR170471	55G	EMPLACED_CNTR	1/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	2/28/2004	2/4/1993	2/28/2004	7/30/1993			TRUE	TRUE	TRUE					
31429	SR170472	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	1/11/2006	1/20/1993	1/11/2006	7/15/1993			TRUE	TRUE	TRUE					
31430	SR170473	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		1/27/1993		7/22/1993			TRUE	TRUE	TRUE					
31431	SR170474	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWS_Updt	SR-WR27-FB-PRE86-C	S5300		0	3/27/1985		1/30/1993		7/25/1993			TRUE	TRUE	TRUE					
31432	SR170475	55G	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	3/27/1985	3/27/1985	2/11/1993	11/11/2006	8/6/1993			TRUE	TRUE	TRUE					
31433	SR170476	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		1/29/1993		7/24/1993			TRUE	TRUE	TRUE					
31434	SR170477	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/27/1985	1/30/2006	2/4/1993	1/30/2006	7/30/1993			TRUE	TRUE	TRUE					
31435	SR170478	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31436	SR170479	55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		1/28/1993		7/23/1993			TRUE	TRUE	TRUE					
31437	SR170480	55G	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/27/1985		2/11/1993		8/6/1993			TRUE	TRUE	TRUE					
31438	SR170481	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		2/2/1993		7/28/1993			TRUE	TRUE	TRUE					
31439	SR170482	55G	EMPLACED_CNTR	11/9/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31440	SR170483	55G	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300		0	3/19/1985		1/27/1993		7/22/1993			TRUE	TRUE	TRUE					
31441	SR170484	55G	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	3/19/1985	10/18/2007	2/6/1993	10/18/2007	8/1/1993			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31442	SR170485	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		1/29/1993		7/24/1993			TRUE	TRUE	TRUE					
31443	SR170486	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/19/1985	3/14/2003	1/27/1993	3/14/2003	7/22/1993			TRUE	TRUE	TRUE					
31444	SR170487	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/19/1985	3/25/2003	2/5/1993	3/25/2003	7/31/1993			TRUE	TRUE	TRUE					
31445	SR170488	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/19/1985	2/26/2007	2/1/1993	2/26/2007	8/6/1993			TRUE	TRUE	TRUE					
31446	SR170489	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/19/1985	4/13/2004	1/29/1993	4/13/2004	7/24/1993			TRUE	TRUE	TRUE					
31447	SR170490	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31448	SR170491	SSG	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31449	SR170492	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31450	SR170493	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/19/1985	4/17/2004	1/28/1993	4/17/2004	7/23/1993			TRUE	TRUE	TRUE					
31451	SR170494	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31452	SR170495	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		1/29/1993		7/24/1993			TRUE	TRUE	TRUE					
31453	SR170496	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/19/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31454	SR170497	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1985	8/12/2003	2/2/1993	8/12/2003	7/28/1993			TRUE	TRUE	TRUE					
31455	SR170498	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		8/12/1993		2/4/1994			TRUE	TRUE	TRUE					
31456	SR170499	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31457	SR170500	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		1/27/1993		7/22/1993			TRUE	TRUE	TRUE					
31458	SR171101	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	9/29/2003	6/24/2000			TRUE	TRUE	TRUE					
31459	SR171102	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/30/1985	12/31/1999	12/11/2006	6/24/2000			TRUE	TRUE	TRUE					
31460	SR171103	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	1/15/2004	6/24/2000			TRUE	TRUE	TRUE					
31461	SR171104	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	9/30/2003	6/24/2000			TRUE	TRUE	TRUE					
31462	SR171105	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31463	SR171106	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/10/1985	1/3/2007	12/31/1999	1/3/2007	6/24/2000			TRUE	TRUE	TRUE					
31464	SR171107	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	10/15/2003	6/24/2000			TRUE	TRUE	TRUE					
31465	SR171108	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	4/19/2004	6/24/2000			TRUE	TRUE	TRUE					
31466	SR171109	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/10/1985		10/25/1994		4/19/1995			TRUE	TRUE	TRUE					
31467	SR171110	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	1/15/2004	6/24/2000			TRUE	TRUE	TRUE					
31468	SR171111	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/10/1985	7/16/2003	12/6/1994	7/16/2003	5/31/1995			TRUE	TRUE	TRUE					
31469	SR171112	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/10/1985	11/13/2003	12/31/1999	11/13/2003	6/24/2000			TRUE	TRUE	TRUE					
31470	SR171113	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/10/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31471	SR171114	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	10/2/2003	6/24/2000			TRUE	TRUE	TRUE					
31472	SR171115	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	9/30/2003	6/24/2000			TRUE	TRUE	TRUE					
31473	SR171116	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/10/1985	9/10/1985	12/31/1999	10/14/2003	6/24/2000			TRUE	TRUE	TRUE					
31474	SR171117	SSG			4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31475	SR171604	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
31476	SR171631	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/3/1993		7/29/1993			TRUE	TRUE	TRUE					
31477	SR171632	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		1/27/1993		7/22/1993			TRUE	TRUE	TRUE					
31478	SR171633	SSG	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		1/28/1993		7/23/1993			TRUE	TRUE	TRUE					
31479	SR171634	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	6/11/2003	1/27/1993	6/11/2003	7/22/1993			TRUE	TRUE	TRUE					
31480	SR171635	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31481	SR171636	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31482	SR171641	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		1/29/1993		7/24/1993			TRUE	TRUE	TRUE					
31483	SR171642	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31484	SR171645	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	3/13/2006	2/5/1993	3/13/2006	7/31/1993			TRUE	TRUE	TRUE					
31485	SR171646	SSG	EMPLACED_CNTR	8/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/14/1993		8/9/1993			TRUE	TRUE	TRUE					
31486	SR171647	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	4/29/2006	2/9/1993	4/29/2006	8/4/1993			TRUE	TRUE	TRUE					
31487	SR171648	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/2/1993		7/28/1993			TRUE	TRUE	TRUE					
31488	SR171649	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		1/30/1993		7/25/1993			TRUE	TRUE	TRUE					
31489	SR171650	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		1/28/1993		7/23/1993			TRUE	TRUE	TRUE					
31490	SR171651	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31491	SR171652	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/17/1993		8/22/1993			TRUE	TRUE	TRUE					
31492	SR171653	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/2/1993		7/26/1993			TRUE	TRUE	TRUE					
31493	SR171655	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	4/7/2003	2/9/1993	4/7/2003	8/4/1993			TRUE	TRUE	TRUE					
31494	SR171656	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		1/28/1993		7/23/1993			TRUE	TRUE	TRUE					
31495	SR171657	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	10/8/2006	1/30/1993	10/8/2006	7/25/1993			TRUE	TRUE	TRUE					
31496	SR171659	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1985	3/13/2003	1/27/1993	3/13/2003	7/22/1993			TRUE	TRUE	TRUE					
31497	SR171660	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/9/1993		8/4/1993			TRUE	TRUE	TRUE					
31498	SR171661	SSG	EMPLACED_CNTR	11/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/11/1993		8/6/1993			TRUE	TRUE	TRUE					
31499	SR171662	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/5/1993		7/31/1993			TRUE	TRUE	TRUE					
31500	SR171663	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31501	SR171666	SSG	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1985		2/4/1993		7/30/1993			TRUE	TRUE	TRUE					
31502	SR171667	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		2/6/1993		8/1/1993			TRUE	TRUE	TRUE					
31503	SR171668	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1985		8/3/1993		1/26/1994			TRUE	TRUE	TRUE					
31504	SR171749	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/1/1985	9/7/2006	10/25/1994	9/7/2006	4/19/1995			TRUE	TRUE	TRUE					
31505	SR171856	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31506	SR171858	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	4/23/2004	12/31/1999	4/23/2004	6/24/2000			TRUE	TRUE	TRUE					
31507	SR171859	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31508	SR171860	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	6/16/2004	12/31/1999	6/16/2004	6/24/2000			TRUE	TRUE	TRUE					
31509	SR171861	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	5/5/2003	10/27/1994	5/5/2003	4/21/1995			TRUE	TRUE	TRUE					
31510	SR171862	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	5/27/2004	10/19/1994	5/27/2004	4/13/1995			TRUE	TRUE	TRUE					
31511	SR171863	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		12/28/1994		4/27/1995			TRUE	TRUE	TRUE					
31512	SR171865	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	4/24/2004	12/31/1999	4/24/2004	6/24/2000			TRUE	TRUE	TRUE					
31513	SR171866	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	4/10/2006	12/31/1999	4/10/2006	6/24/2000			TRUE	TRUE	TRUE					
31514	SR171867	SSG	EMPLACED_CNTR	8/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31515	SR171868	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31516	SR171869	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/27/1985	5/6/2003	12/31/1999	5/6/2003	6/24/2000			TRUE	TRUE	TRUE					
31517	SR171870	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/27/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31518	SR171842	SSG	EMPLACED_CNTR	6/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31519	SR171843	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31520	SR171884	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
31521	SR171885	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31522	SR171886	SSG	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	6/26/1985	8/12/2003	12/31/1999	8/12/2003	6/24/2000			TRUE	TRUE	TRUE					
31523	SR171887	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31524	SR171888	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31525	SR171889	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31526	SR171890	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	6/26/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31527	SR171891	SSG	EMPLACED_CNTR	5/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/8/1985	11/15/2006	12/31/1999	11/15/2006	6/24/2000			TRUE	TRUE	TRUE					
31528	SR171892	SSG	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	7/8/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31529	SR171893	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	7/8/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31530	SR171894	55G	EMPLACED_CNTR	8/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/8/1985	1/4/2008	2/17/1995	1/4/2008	8/12/1995			TRUE	TRUE	TRUE					
31531	SR171894A	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	1/4/2008		1/4/2008		6/28/2008			TRUE	TRUE	TRUE					
31532	SR171895	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		1/11/1995		7/6/1995			TRUE	TRUE	TRUE					
31533	SR171896	55G	EMPLACED_CNTR	2/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31534	SR171897	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31535	SR171898	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31536	SR171899	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/8/1985	8/4/2003	12/31/1999	8/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31537	SR171900	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/3/1985	6/16/2004	11/9/1994	6/16/2004	5/4/1995			TRUE	TRUE	TRUE					
31538	SR171901	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31539	SR171938	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31540	SR171939	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		10/20/1994		4/14/1995			TRUE	TRUE	TRUE					
31541	SR171940	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31542	SR171941	55G	EMPLACED_CNTR	5/19/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Purge	0	7/9/1985	7/9/1985	12/31/1999	9/20/2005	6/24/2000			TRUE	TRUE	TRUE					
31543	SR171942	55G	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/9/1985	1/16/2004	11/30/1994	1/16/2004	5/25/1995			TRUE	TRUE	TRUE					
31544	SR171943	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31545	SR171944	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/9/1985	6/19/2006	12/31/1999	6/19/2006	6/24/2000			TRUE	TRUE	TRUE					
31546	SR171945	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31547	SR171946	55G	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		10/26/1994		4/20/1995			TRUE	TRUE	TRUE					
31548	SR171947	55G	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/9/1985	3/11/2006	2/7/1995	3/11/2006	8/2/1995			TRUE	TRUE	TRUE					
31549	SR171947A	55G	EMPLACED_CNTR	10/12/2006	8/23/2011 10:36	mccabed	SR-WO27-FB-PRE86-C	55300	Remediate	1		3/11/2006		3/11/2006		SWD061092 re-named and WS reassigned from SR-SWMF-HET-A.		FALSE	FALSE	FALSE					
31550	SR171948	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/9/1985	5/5/2006	11/23/1994	5/5/2006	5/18/1995			TRUE	TRUE	TRUE					
31551	SR171949	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31552	SR171950	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31553	SR171951	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/16/1985		1/25/1999		7/20/1999			TRUE	TRUE	TRUE					
31554	SR171952	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/16/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31555	SR171953	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31556	SR171954	55G	EMPLACED_CNTR	5/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/16/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31557	SR171955	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		11/3/1994		4/26/1995			TRUE	TRUE	TRUE					
31558	SR171956	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31559	SR171957	55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	8/27/1985	2/28/2004	12/31/1999	2/28/2004	6/24/2000			TRUE	TRUE	TRUE					
31560	SR171958	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Vent	0	7/22/1985	7/22/1985	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
31561	SR171959	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/22/1985	12/29/2003	12/31/1999	12/29/2003	6/24/2000			TRUE	TRUE	TRUE					
31562	SR171960	55G	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31563	SR171961	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31564	SR171962	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31565	SR171963	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/22/1985	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31566	SR171964	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31567	SR171965	55G	EMPLACED_CNTR	5/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/22/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31568	SR171966	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31569	SR171967	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31570	SR171968	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31571	SR171969	55G	EMPLACED_CNTR	6/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31572	SR171970	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31573	SR171971	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31574	SR171972	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31575	SR171973	55G	EMPLACED_CNTR	8/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/25/1985	3/14/2006	12/31/1999	3/14/2006	6/24/2000			TRUE	TRUE	TRUE					
31576	SR171974	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31577	SR171975	55G	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
31578	SR171976	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	7/25/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
31579	SR171977	55G	EMPLACED_CNTR	3/7/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	V&P Vent	0	7/25/1985	7/25/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
31580	SR171979	55G	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	7/25/1985	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31581	SR172001	55G	EMPLACED_CNTR	7/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	2/15/2004	12/31/1999	2/15/2004	6/24/2000			TRUE	TRUE	TRUE					
31582	SR172002	55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		11/18/1994		5/5/1995			TRUE	TRUE	TRUE					
31583	SR172003	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		11/11/1994		5/6/1995			TRUE	TRUE	TRUE					
31584	SR172004	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
31585	SR172005	55G	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
31586	SR172006	55G	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	2/27/2008	12/31/1999	2/27/2008	6/24/2000			TRUE	TRUE	TRUE					
31587	SR172007	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31588	SR172008	55G	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
31589	SR172009	55G	EMPLACED_CNTR	6/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31590	SR172010	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		2/17/1995		8/12/1995			TRUE	TRUE	TRUE					
31591	SR172011	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31592	SR172013	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		2/17/1995		8/12/1995			TRUE	TRUE	TRUE					
31593	SR172014	55G	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31594	SR172015	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31595	SR172016	55G	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	11/5/2005	12/31/1999	11/5/2005	6/24/2000			TRUE	TRUE	TRUE					
31596	SR172017	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31597	SR172018	55G	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31598	SR172019	55G	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	11/3/2006	12/31/1999	11/3/2006	6/24/2000			TRUE	TRUE	TRUE					
31599	SR172020	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/7/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31600	SR172021	55G	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	11/27/2006	12/31/1999	11/27/2006	6/24/2000			TRUE	TRUE	TRUE					
31601	SR172022	55G	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/7/1985	11/7/2006	12/31/1999	11/7/2006	6/24/2000			TRUE	TRUE	TRUE					
31602	SR172023	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/17/1985	6/26/2003	12/31/1999	6/26/2003	6/24/2000			TRUE	TRUE	TRUE					
31603	SR172024	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31604	SR172025	55G	EMPLACED_CNTR	11/18/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31605	SR172026	55G	EMPLACED_CNTR	7/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/1/1995		7/6/1995			TRUE	TRUE	TRUE					
31606	SR172027	55G	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/28/1994		5/23/1995			TRUE	TRUE	TRUE					
31607	SR172028	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/17/1985	4/8/2003	11/8/1994	4/8/2003	5/3/1995			TRUE	TRUE	TRUE					
31608	SR172029	55G	EMPLACED_CNTR	8/4/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
31609	SR172030	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
31610	SR172031	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		11/17/1994		5/12/1995			TRUE	TRUE	TRUE					
31611	SR172032	55G	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/17/1985	2/9/2004	12/31/1999	2/9/2004	6/24/2000			TRUE	TRUE	TRUE					
31612	SR172033	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300		0	5/17/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31613	SR172034	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/17/1985	2/4/2004	10/27/1994	2/4/2004	4/21/1995			TRUE	TRUE	TRUE					
31614	SR172035	55G	EMPLACED_CNTR	10/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	55300	Remediate	1	5/17/1985	9/5/2006	11/8/1994	9/5/2006	5/3/1995										
31615	SR172035A	55G	EMPLACED_CNTR	6/27/2012 13:15	3/15/2012 21:00	mccabed	SR-WO27-FB-PRE86-C	55300			9/5/2006	3/6/2012	9/5/2006	3/6/2012		SWD061086 re-named and WS reassigned from SR-SWMF-HET-A. Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3161	SR172036	SSG	EMPLACED_CNTR	4/24/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3161	SR172037	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/17/1985	11/2/2007	12/31/1999	11/2/2007	6/24/2000			TRUE	TRUE	TRUE					
3161	SR172038	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/17/1985	5/18/2004	12/31/1999	5/18/2004	6/24/2000			TRUE	TRUE	TRUE					
3161	SR172039	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/17/1985	5/16/2006	12/31/1999	5/18/2006	6/24/2000			TRUE	TRUE	TRUE					
3162	SR172040	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/17/1985	5/17/1985	12/31/1999	10/7/2003	6/24/2000			TRUE	TRUE	TRUE					
3162	SR172041	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		11/8/1994		5/3/1995			TRUE	TRUE	TRUE					
3162	SR172042	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
3162	SR172043	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		12/29/1994		6/23/1995			TRUE	TRUE	TRUE					
3162	SR172044	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		12/11/1999		6/24/2000			TRUE	TRUE	TRUE					
3162	SR172045	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3162	SR172046	SSG	EMPLACED_CNTR	8/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		10/25/1994		4/19/1995			TRUE	TRUE	TRUE					
3162	SR172047	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
3162	SR172048	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3162	SR172049	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
3163	SR172050	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/21/1985	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
3163	SR172051	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
3163	SR172052	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/21/1985	12/30/2003	12/31/1999	12/30/2003	6/24/2000			TRUE	TRUE	TRUE					
3163	SR172052A	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		12/30/2003		12/30/2003											
3163	SR172054	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		11/17/1994		5/12/1995			TRUE	TRUE	TRUE					
3163	SR172055	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		11/17/1994		5/12/1995			TRUE	TRUE	TRUE					
3163	SR172056	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		11/3/1994		4/28/1995			TRUE	TRUE	TRUE					
3163	SR172057	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/17/1985	1/18/2006	11/29/1994	1/18/2006	5/24/1995			TRUE	TRUE	TRUE					
3163	SR172058	SSG	EMPLACED_CNTR	12/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3163	SR172059	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/21/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
3164	SR172060	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/17/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
3164	SR172061	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
3164	SR172062	SSG	EMPLACED_CNTR	4/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/30/1985	11/11/2006	12/31/1999	11/11/2006	6/24/2000			TRUE	TRUE	TRUE					
3164	SR172062A	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		6/12/2006		6/12/2006											
3164	SR172062B	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		11/11/2006		11/11/2006											
3164	SR172063	SSG	EMPLACED_CNTR	5/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
3164	SR172064	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
3164	SR172065	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/30/1985	12/9/2003	12/31/1999	12/9/2003	5/28/1999			TRUE	TRUE	TRUE					
3164	SR172066	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		11/10/1998		5/5/1999			TRUE	TRUE	TRUE					
3164	SR172067	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
3165	SR172165	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W021-FB-PRE86-C	55300		0	7/25/1985		11/21/1999		6/24/2000			TRUE	TRUE	TRUE					
3165	SR172166	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/25/1985		11/5/1998		4/30/1999			TRUE	TRUE	TRUE					
3165	SR172167	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/25/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3165	SR172168	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/30/1985	7/30/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
3165	SR172169	SSG	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3165	SR172171	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/30/1985	12/7/2005	12/31/1999	12/7/2005	6/24/2000			TRUE	TRUE	TRUE					
3165	SR172172	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		11/17/1998		5/12/1999			TRUE	TRUE	TRUE					
3165	SR172173	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/30/1985	2/8/2004	11/17/1998	2/8/2004	5/12/1999			TRUE	TRUE	TRUE					
3165	SR172174	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3165	SR172175	SSG	EMPLACED_CNTR	6/19/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3166	SR172176	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3166	SR172177	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3166	SR172178	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		11/17/1998		5/12/1999			TRUE	TRUE	TRUE					
3166	SR172181	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/30/1985	9/19/2006	12/31/1999	9/19/2006	6/24/2000			TRUE	TRUE	TRUE					
3166	SR172182	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/30/1985	7/30/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
3166	SR172183	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/30/1985	10/3/2006	12/31/1999	10/3/2006	6/24/2000			TRUE	TRUE	TRUE					
3166	SR172183A	SSG	EMPLACED_CNTR	8/8/2012 14:42	3/19/2012 16:07	mccabed	SR-W027-FB-PRE86-C	55300	Remediation		5/23/2006	3/13/2012	5/23/2006	3/13/2012		SWD061365 re-named and WS reassigned from SR-SWMF-HET-A		TRUE	FALSE	TRUE					
3166	SR172184	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3166	SR172185	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/30/1985	7/30/1985	12/31/1999	10/16/2003	6/24/2000			TRUE	TRUE	TRUE					
3166	SR172186	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	55300	Remediate	1	7/30/1985	7/30/2003	12/31/1999	7/30/2003	6/24/2000			TRUE	TRUE	TRUE					
3167	SR172186A	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/30/2003	7/30/2003	7/30/2003	7/30/2003	1/12/2004			TRUE	TRUE	TRUE					
3167	SR172187	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3167	SR172188	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3167	SR172189	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3167	SR172190	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3167	SR172191	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/1/1985	8/1/1985	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
3167	SR172192	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3167	SR172194	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/1/1985	6/18/2004	12/31/1999	6/18/2004	6/24/2000			TRUE	TRUE	TRUE					
3167	SR172196	SSG	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		1/14/1999		7/9/1999			TRUE	TRUE	TRUE					
3167	SR172197	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172198	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		1/14/1999		7/9/1999			TRUE	TRUE	TRUE					
3168	SR172201	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/1/1985	5/11/2004	12/31/1999	5/11/2004	6/24/2000			TRUE	TRUE	TRUE					
3168	SR172202	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172203	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172204	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172205	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172206	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/1/1985	11/10/2006	12/31/1999	11/10/2006	6/24/2000			TRUE	TRUE	TRUE					
3168	SR172207	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3168	SR172208	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/1/1985	8/1/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
3168	SR173001	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/7/1985		1/21/1999		7/16/1999			TRUE	TRUE	TRUE					
3169	SR173002	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/7/1985		1/21/1999		7/16/1999			TRUE	TRUE	TRUE					
3169	SR173003	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/7/1985		11/2/1998		4/27/1999			TRUE	TRUE	TRUE					
3169	SR173004	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/7/1985	8/18/2003	12/31/1999	8/18/2003	6/24/2000			TRUE	TRUE	TRUE					
3169	SR173005	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/7/1985		11/3/1998		4/28/1999			TRUE	TRUE	TRUE					
3169	SR173006	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
3169	SR173007	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/7/1985	7/30/2003	12/31/1999	7/30/2003	6/24/2000			TRUE	TRUE	TRUE					
3169	SR173037	SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/1/1985		11/30/1998		5/25/1999			TRUE	TRUE	TRUE					
3169	SR173038	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/30/1985	5/30/1985	12/31/1999	9/8/2003	6/24/2000			TRUE	TRUE	TRUE					
3169	SR173039	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/30/1985	5/30/1985	12/31/1999	4/29/2005	6/24/2000			TRUE	TRUE	TRUE					
3169	SR173040	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/30/1985	5/30/1985	12/31/1999	9/2/2003	6/24/2000			TRUE	TRUE	TRUE					
3170	SR173041	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/30/1985	11/10/2003	10/29/1998	11/10/2003	4/23/1999			TRUE	TRUE	TRUE					
3170	SR173042	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		10/29/1998		4/23/1999			TRUE	TRUE	TRUE					
3170	SR173043	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31703	SR173044	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/30/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31704	SR173061	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31705	SR173062	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	2/9/2004	12/31/1999	2/9/2004	6/24/2000			TRUE	TRUE	TRUE					
31706	SR173063	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/19/1998		5/14/1999			TRUE	TRUE	TRUE					
31707	SR173064	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/19/1998		5/14/1999			TRUE	TRUE	TRUE					
31708	SR173065	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/30/1998		5/25/1999			TRUE	TRUE	TRUE					
31709	SR173066	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		1/20/1999		7/15/1999			TRUE	TRUE	TRUE					
31710	SR173067	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		1/14/1999		7/8/1999			TRUE	TRUE	TRUE					
31711	SR173068	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31712	SR173069	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	9/15/2003	12/31/1999	9/15/2003	6/24/2000			TRUE	TRUE	TRUE					
31713	SR173070	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	1/9/2004	1/19/1999	1/9/2004	7/14/1999										
31714	SR173070A	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		3/9/2004		3/9/2004				TRUE	TRUE	TRUE					
31715	SR173071	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31716	SR173072	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		1/19/1999		7/14/1999			TRUE	TRUE	TRUE					
31717	SR173073	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	8/18/2003	10/22/1998	8/18/2003	4/16/1999			TRUE	TRUE	TRUE					
31718	SR173074	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31719	SR173075	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/6/1985	6/6/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
31720	SR173076	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	11/3/2005	12/31/1999	11/3/2005	6/24/2000			TRUE	TRUE	TRUE					
31721	SR173077	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31722	SR173078	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	11/2/2006	11/9/1998	11/2/2006	5/4/1999			TRUE	TRUE	TRUE					
31723	SR173079	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31724	SR173080	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	5/15/2003	1/6/1999	5/15/2003	7/1/1999			TRUE	TRUE	TRUE					
31725	SR173081	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		1/26/1999		7/31/1999			TRUE	TRUE	TRUE					
31726	SR173082	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/6/1985	6/6/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
31727	SR173185	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/1/1985	1/13/2004	12/31/1999	1/13/2004	6/24/2000			TRUE	TRUE	TRUE					
31728	SR173186	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		1/18/1999		7/14/1999			TRUE	TRUE	TRUE					
31729	SR173187	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/1/1985	4/14/2003	12/31/1999	4/14/2003	6/24/2000			TRUE	TRUE	TRUE					
31730	SR173188	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		11/18/1998		5/13/1999			TRUE	TRUE	TRUE					
31731	SR173189	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		10/22/1998		4/16/1999			TRUE	TRUE	TRUE					
31732	SR173190	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31733	SR173191	SSG	EMPLACED_CNTR	9/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		11/9/1998		5/4/1999			TRUE	TRUE	TRUE					
31734	SR173192	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/1/1985	5/1/2004	11/5/1998	5/1/2004	4/30/1999			TRUE	TRUE	TRUE					
31735	SR173193	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/1/1985	11/7/2006	12/31/1999	11/7/2006	6/24/2000			TRUE	TRUE	TRUE					
31736	SR173194	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/1/1985		1/18/1999		7/13/1999			TRUE	TRUE	TRUE					
31737	SR173198	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31738	SR173199	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		1/25/1999		7/20/1999			TRUE	TRUE	TRUE					
31739	SR173200	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31740	SR173201	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		12/10/1998		6/4/1999			TRUE	TRUE	TRUE					
31741	SR173202	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/5/1998		4/30/1999			TRUE	TRUE	TRUE					
31742	SR173203	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/5/1998		4/30/1999			TRUE	TRUE	TRUE					
31743	SR173204	SSG	EMPLACED_CNTR	9/27/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	5/12/2006	12/31/1999	5/12/2006	6/24/2000										
31744	SR173204A	SSG	EMPLACED_CNTR	6/27/2012 13:15	3/6/2012 15:06	mccabed	SR-W027-FB-PRE86-C	SS300				5/12/2006	3/5/2012	5/12/2006	3/5/2012		SWD06122 re-named and WS reassigned from SR-SWMF-HET-A, 221-F-55006 Tru Drum Repacking.	TRUE	FALSE	TRUE					
31745	SR173205	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	6/26/2006	11/5/1998	6/26/2006	4/30/1999			TRUE	TRUE	TRUE					
31746	SR173206	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/1985		11/3/1998		4/28/1999			TRUE	TRUE	TRUE					
31747	SR173207	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/6/1985	3/14/2006	12/15/1998	3/14/2006	6/9/1999		SWD06109? re-named and WS reassigned from SR-SWMF-HET-A, 221-F-55006 Tru Drum Repacking.	TRUE	FALSE	TRUE					
31748	SR173207A	SSG	EMPLACED_CNTR	10/25/2012 15:30	3/6/2012 15:08	mccabed	SR-W027-FB-PRE86-C	SS300				3/14/2006	3/5/2012	3/14/2006	3/5/2012			TRUE	TRUE	TRUE					
31749	SR173215	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		1/20/1999		7/15/1999			TRUE	TRUE	TRUE					
31750	SR173216	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/16/1998		5/11/1999			TRUE	TRUE	TRUE					
31751	SR173217	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	1/2/2008	11/17/1998	1/2/2008	5/12/1999			TRUE	TRUE	TRUE					
31752	SR173217A	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/2/2008		1/2/2008		6/16/2008			TRUE	TRUE	TRUE					
31753	SR173218	SSG	EMPLACED_CNTR	1/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/16/1998		5/11/1999			TRUE	TRUE	TRUE					
31754	SR173219	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/4/1998		4/29/1999			TRUE	TRUE	TRUE					
31755	SR173220	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		2/3/1999		7/29/1999			TRUE	TRUE	TRUE					
31756	SR173221	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/20/1998		4/14/1999			TRUE	TRUE	TRUE					
31757	SR173222	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/19/1998		4/13/1999			TRUE	TRUE	TRUE					
31758	SR173223	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/4/1998		4/29/1999			TRUE	TRUE	TRUE					
31759	SR173224	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/20/1998		4/14/1999			TRUE	TRUE	TRUE					
31760	SR173225	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		1/6/1999		7/1/1999			TRUE	TRUE	TRUE					
31761	SR173226	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/4/1998		4/29/1999			TRUE	TRUE	TRUE					
31762	SR173228	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/20/1998		4/14/1999			TRUE	TRUE	TRUE					
31763	SR173229	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/26/1998		4/29/1999			TRUE	TRUE	TRUE					
31764	SR173230	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	6/27/2005	10/20/1998	6/27/2005	4/14/1999										
31765	SR173230A	SSG	EMPLACED_CNTR	9/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		4/4/2004		4/4/2004				TRUE	TRUE	TRUE					
31766	SR173231	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		12/8/1998		6/2/1998			TRUE	TRUE	TRUE					
31767	SR173232	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/20/1985	6/20/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31768	SR173233	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	9/7/2006	12/31/1999	9/7/2006	6/24/2000			TRUE	TRUE	TRUE					
31769	SR173233A	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		9/7/2006		9/7/2006				TRUE	TRUE	TRUE					
31770	SR173234	SSG	EMPLACED_CNTR	11/24/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		11/16/1998		5/11/1999			TRUE	TRUE	TRUE					
31771	SR173235	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	4/4/2003	1/25/1999	4/4/2003	7/20/1999			TRUE	TRUE	TRUE					
31772	SR173236	SSG	EMPLACED_CNTR	1/12/2010	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/26/1998		4/29/1999			TRUE	TRUE	TRUE					
31773	SR173237	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	4/23/2003	2/6/1999	4/23/2003	8/3/1999			TRUE	TRUE	TRUE					
31774	SR173238	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/19/1998		4/13/1999			TRUE	TRUE	TRUE					
31775	SR173239	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/19/1985		2/4/1999		7/30/1999			TRUE	TRUE	TRUE					
31776	SR173240	SSG	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/20/1998		4/14/1999			TRUE	TRUE	TRUE					
31777	SR173241	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	6/2/2006	2/4/1999	6/2/2006	7/30/1999			TRUE	TRUE	TRUE					
31778	SR173242	SSG	EMPLACED_CNTR	11/3/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	5/5/2003	12/8/1998	5/5/2003	6/2/1999			TRUE	TRUE	TRUE					
31779	SR173243	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		1/27/1999		7/22/1999			TRUE	TRUE	TRUE					
31780	SR173244	SSG	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	9/25/2006	11/17/1998	9/25/2006	5/12/1999			TRUE	TRUE	TRUE					
31781	SR173245	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	9/21/2003	2/1/1999	9/21/2003	7/27/1999			TRUE	TRUE	TRUE					
31782	SR173246	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		1/25/1999		7/20/1999			TRUE	TRUE	TRUE					
31783	SR173247	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/20/1985	12/19/2003	1/27/1999	12/19/2003	7/22/1999			TRUE	TRUE	TRUE					
31784	SR173248	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/1985		10/19/1998		4/13/1999			TRUE	TRUE	TRUE					
31785	SR173560	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/23/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31786	SR173561	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/22/1985		12/18/1998		6/10/1999			TRUE	TRUE	TRUE					
31787	SR173562	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/22/1985	12/23/2003	3/16/1994	12/23/2003	9/8/1994			TRUE	TRUE	TRUE					
31788	SR173563	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/22/1985	11/17/2004	12/31/1999	11/17/2004	6/24/2000			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31789	SR173564	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31790	SR173565	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31791	SR173566	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31792	SR173567	55G	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
31793	SR173568	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31794	SR173569	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
31795	SR173570	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/22/1985	8/22/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31796	SR173571	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31797	SR173572	55G	EMPLACED_CNTR	4/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31798	SR173573	55G	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/22/1985	3/24/2004	1/6/1995	3/24/2004	7/1/1995			TRUE	TRUE	TRUE					
31799	SR173574	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		10/28/1994		4/12/1995			TRUE	TRUE	TRUE					
31800	SR173575	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31801	SR173576	55G	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		11/9/1994		5/4/1995			TRUE	TRUE	TRUE					
31802	SR173577	55G	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	4/24/2004	12/31/1999	4/24/2004	6/24/2000			TRUE	TRUE	TRUE					
31803	SR173578	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	9/6/2006	12/31/1999	9/6/2006	6/24/2000			TRUE	TRUE	TRUE					
31804	SR173578A	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		12/27/2005		12/27/2005											
31805	SR173579	55G	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31806	SR173580	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		11/22/1994		5/17/1995			TRUE	TRUE	TRUE					
31807	SR173581	55G	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/22/1985	7/17/2003	12/31/1999	7/17/2003	6/24/2000			TRUE	TRUE	TRUE					
31808	SR173582	55G	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		2/15/1995		8/10/1995			TRUE	TRUE	TRUE					
31809	SR173593	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
31810	SR173594	55G	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	2/20/2006	1/20/1995	2/20/2006	7/15/1995			TRUE	TRUE	TRUE					
31811	SR173595	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	7/22/2003	1/11/1995	7/22/2003	7/6/1995			TRUE	TRUE	TRUE					
31812	SR173596	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31813	SR173597	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	5/13/2003	11/1994	5/13/2003	4/26/1995			TRUE	TRUE	TRUE					
31814	SR173598	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31815	SR173599	55G	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31816	SR173600	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		3/16/1994		9/8/1994			TRUE	TRUE	TRUE					
31817	SR173645	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31818	SR173646	55G	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31819	SR173647	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31820	SR173648	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31821	SR173649	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/22/1985	3/13/2003	12/31/1999	3/13/2003	6/24/2000			TRUE	TRUE	TRUE					
31822	SR173650	55G	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/22/1985		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
31823	SR173651	55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31824	SR173652	55G	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
31825	SR173653	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		11/8/1994		5/3/1995			TRUE	TRUE	TRUE					
31826	SR173654	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31827	SR173655	55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		1/20/1995		7/15/1995			TRUE	TRUE	TRUE					
31828	SR173656	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	2/6/2007	12/31/1999	2/6/2007	6/24/2000			TRUE	TRUE	TRUE					
31829	SR173687	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31830	SR173689	55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31831	SR173690	55G	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	9/13/2003	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
31832	SR173691	55G	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/15/1985	8/15/1985	12/31/1999	9/2/2003	6/24/2000			TRUE	TRUE	TRUE					
31833	SR173692	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	2/8/2004	12/31/1999	2/8/2004	6/24/2000			TRUE	TRUE	TRUE					
31834	SR173693	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31835	SR173694	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	9/20/2003	12/31/1999	9/20/2003	6/24/2000			TRUE	TRUE	TRUE					
31836	SR173695	55G	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	3/11/2006	12/31/1999	3/11/2006	6/24/2000			TRUE	TRUE	TRUE					
31837	SR173696	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31838	SR173698	55G	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	2/14/2004	12/31/1999	2/14/2004	6/24/2000			TRUE	TRUE	TRUE					
31839	SR173699	55G	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/27/1985	6/8/2006	12/31/1999	6/8/2006	6/24/2000			TRUE	TRUE	TRUE					
31840	SR173700	55G	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31841	SR173701	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31842	SR173702	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		1/7/1995		8/12/1995			TRUE	TRUE	TRUE					
31843	SR173703	55G	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	4/5/2004	12/31/1999	4/5/2004	6/24/2000			TRUE	TRUE	TRUE					
31844	SR173704	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/15/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31845	SR173705	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	12/12/2005	12/31/1999	12/12/2005	6/24/2000			TRUE	TRUE	TRUE					
31846	SR173706	55G	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/15/1985	8/21/2003	12/31/1999	8/21/2003	6/24/2000			TRUE	TRUE	TRUE					
31847	SR173708	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/15/1985	8/15/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31848	SR173750	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/27/1985		1/24/1994		4/29/1995			TRUE	TRUE	TRUE					
31849	SR175501	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	4/2/1985	4/2/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31850	SR175502	55G	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	11/17/2003	12/31/1999	11/17/2003	6/24/2000			TRUE	TRUE	TRUE					
31851	SR175503	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	10/26/2004	12/31/1999	10/26/2004	6/24/2000			TRUE	TRUE	TRUE					
31852	SR175504	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
31853	SR175505	55G	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	4/2/1985	4/2/1985	12/31/1999	8/5/2005	6/24/2000			TRUE	TRUE	TRUE					
31854	SR175506	55G	EMPLACED_CNTR	2/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		1/15/1995		7/8/1995			TRUE	TRUE	TRUE					
31855	SR175507	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		1/4/1994		4/29/1995			TRUE	TRUE	TRUE					
31856	SR175508	55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	1/23/2004	12/31/1999	1/23/2004	6/24/2000										
31857	SR175508A	55G	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		1/23/2004		1/23/2004				TRUE	TRUE	TRUE					
31858	SR175509	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31859	SR175510	55G	EMPLACED_CNTR	12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		2/17/1995		8/12/1995			TRUE	TRUE	TRUE					
31860	SR175511	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31861	SR175512	55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	1/20/2004	12/31/1999	1/20/2004	6/24/2000										
31862	SR175512A	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		1/20/2004		1/20/2004				TRUE	TRUE	TRUE					
31863	SR175513	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	4/2/1985	4/2/1985	12/31/1999	9/2/2003	6/24/2000			TRUE	TRUE	TRUE					
31864	SR175515	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	4/2/1985	4/2/1985	12/31/1999	9/26/2003	6/24/2000			TRUE	TRUE	TRUE					
31865	SR175516	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	11/12/2007	12/31/1999	11/12/2007	6/24/2000			TRUE	TRUE	TRUE					
31866	SR175516A	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/10/2007	11/26/2007	5/10/2007	11/26/2007	11/2/2007			TRUE	TRUE	TRUE					
31867	SR175517	55G	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		10/28/1994		4/12/1995			TRUE	TRUE	TRUE					
31868	SR175518	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31869	SR175519	55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/2/1985	10/9/2003	1/10/1995	10/9/2003	7/5/1995			TRUE	TRUE	TRUE					
31870	SR175521	55G	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	4/2/1985	4/2/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
31871	SR175522	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31872	SR175523	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/9/1985	1/19/2004	12/31/1999	1/19/2004	6/24/2000			TRUE	TRUE	TRUE					
31873	SR175524	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31874	SR175525	55G	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	4/9/1985	4/9/1985	12/31/1999	9/5/2003	6/24/2000			TRUE	TRUE	TRUE					
31875	SR175526	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31876	SR175527	55G	EMPLACED_CNTR	10/28/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	4/9/1985	4/9/1985	12/31/1999	9/2/2003	6/24/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31377	SR175928	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/9/1985	2/11/2004	12/31/1999	2/11/2004	6/24/2000			TRUE	TRUE	TRUE					
31378	SR175529	SSG	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31379	SR175530	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
31380	SR175601	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
31381	SR175602	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/9/1985	9/20/2003	12/31/1999	9/20/2003	6/24/2000			TRUE	TRUE	TRUE					
31382	SR175603	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	4/9/1985	4/9/1985	12/31/1999	8/5/2005	6/24/2000			TRUE	TRUE	TRUE					
31383	SR175604	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		12/9/1994		6/3/1995			TRUE	TRUE	TRUE					
31384	SR175605	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/9/1985	6/16/2004	10/25/1994	6/16/2004	4/19/1995			TRUE	TRUE	TRUE					
31385	SR175606	SSG	EMPLACED_CNTR	3/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		11/16/1994		5/11/1995			TRUE	TRUE	TRUE					
31386	SR175607	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/9/1985	3/22/2004	12/31/1999	3/22/2004	5/26/1995			TRUE	TRUE	TRUE					
31387	SR175608	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31388	SR175612	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	4/9/1985	4/9/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31389	SR175623	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		1/6/1995		7/1/1995			TRUE	TRUE	TRUE					
31390	SR175624	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
31391	SR175625	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	4/9/1985	4/9/1985	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
31392	SR175626	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/9/1985		1/18/1995		7/14/1995			TRUE	TRUE	TRUE					
31393	SR175627	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/9/1985	10/18/2003	10/28/1994	10/18/2003	4/22/1995			TRUE	TRUE	TRUE					
31394	SR175665	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/27/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
31395	SR175666	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	1	9/4/1985	2/25/2003	12/31/1999	10/14/2003	6/24/2000			TRUE	TRUE	TRUE					
31396	SR175667	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/4/1985	9/4/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
31397	SR175668	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31398	SR175669	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31399	SR175670	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/4/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31900	SR175671	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/4/1985	6/10/2004	12/31/1999	9/10/2004	6/24/2000			TRUE	TRUE	TRUE					
31901	SR175672	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31902	SR175673	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	4/17/1985	4/17/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
31903	SR175674	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31904	SR175675	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31905	SR175676	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31906	SR175677	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31907	SR175678	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31908	SR175679	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31909	SR175680	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/17/1985	1/11/2004	12/31/1999	1/11/2004	6/24/2000			TRUE	TRUE	TRUE					
31910	SR175681	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/17/1985	9/12/2003	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
31911	SR175682	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/17/1985	4/3/2004	12/31/1999	4/3/2004	6/24/2000			TRUE	TRUE	TRUE					
31912	SR176510	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	6/4/2004	12/31/1999	6/4/2004	6/24/2000										
31913	SR176510A	SSG	EMPLACED_CNTR	4/26/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		6/4/2004		6/4/2004				TRUE	TRUE	TRUE					
31914	SR176511	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
31915	SR176512	SSG	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	6/18/2004	12/31/1999	6/18/2004	6/24/2000			TRUE	TRUE	TRUE					
31916	SR176513	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31917	SR176514	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	3/25/2003	12/31/1999	3/25/2003	6/24/2000			TRUE	TRUE	TRUE					
31918	SR176515	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31919	SR176516	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	4/17/2004	12/1/1994	4/17/2004	5/26/1995			TRUE	TRUE	TRUE					
31920	SR176517	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	8/8/1985	8/8/1985	12/31/1999	9/29/2003	6/24/2000			TRUE	TRUE	TRUE					
31921	SR176518	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	7/22/2003	12/31/1999	7/22/2003	6/24/2000			TRUE	TRUE	TRUE					
31922	SR176519	SSG	EMPLACED_CNTR	11/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		10/20/1994		4/14/1995			TRUE	TRUE	TRUE					
31923	SR176520	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		11/23/1994		5/18/1995			TRUE	TRUE	TRUE					
31924	SR176521	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	3/21/2004	11/17/1994	3/21/2004	5/12/1995			TRUE	TRUE	TRUE					
31925	SR176521A	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		3/21/2004		3/21/2004											
31926	SR176522	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31927	SR176523	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/8/1985	11/1/2006	12/6/1994	11/1/2006	5/31/1995			TRUE	TRUE	TRUE					
31928	SR176524	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	8/8/1985	8/8/1985	12/31/1999	9/19/2003	6/24/2000			TRUE	TRUE	TRUE					
31929	SR176525	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
31930	SR176526	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31931	SR176527	SSG	EMPLACED_CNTR	9/18/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31932	SR176528	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31933	SR176529	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31934	SR176530	SSG	EMPLACED_CNTR	9/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/13/1985	10/25/2005	12/31/1999	10/25/2005	6/24/2000			TRUE	TRUE	TRUE					
31935	SR176531	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31936	SR176532	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/13/1985	9/25/2006	12/31/1999	9/25/2006	6/24/2000										
31937	SR176532A	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		9/25/2006		9/25/2006											
31938	SR176533	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/13/1985	3/29/2006	12/31/1999	3/29/2006	6/24/2000			TRUE	TRUE	TRUE					
31939	SR176533A	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		3/29/2006		3/29/2006											
31940	SR176534	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	8/13/1985	8/13/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
31941	SR176535	SSG	EMPLACED_CNTR	9/18/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31942	SR176536	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/13/1985	5/15/2003	11/1/1994	5/15/2003	4/26/1995			TRUE	TRUE	TRUE					
31943	SR176537	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/13/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31944	SR176538	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	8/13/1985	8/13/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
31945	SR176539	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	8/15/1985	8/15/1985	12/31/1999	9/29/2005	6/24/2000			TRUE	TRUE	TRUE					
31946	SR176540	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/27/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31947	SR176555	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
31948	SR176556	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31949	SR176557	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		2/15/1995		8/30/1995			TRUE	TRUE	TRUE					
31950	SR176558	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1985	1/31/2006	12/6/1994	1/31/2006	5/31/1995			TRUE	TRUE	TRUE					
31951	SR176559	SSG	EMPLACED_CNTR	9/16/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31952	SR176569	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/11/1986		1/11/1995		7/6/1995			TRUE	TRUE	TRUE					
31953	SR176570	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/11/1986		1/25/1995		7/20/1995			TRUE	TRUE	TRUE					
31954	SR176589	SSG	EMPLACED_CNTR	6/20/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
31955	SR176590	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1985	9/13/2003	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
31956	SR176613	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31957	SR176634	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31958	SR176635	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		11/3/1994		4/28/1995			TRUE	TRUE	TRUE					
31959	SR176636	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31960	SR176637	SSG	EMPLACED_CNTR	9/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1985	4/15/2006	12/31/1999	4/15/2006	6/24/2000			TRUE	TRUE	TRUE					
31961	SR176638	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/6/1985	9/5/1985	12/31/1999	9/5/2003	6/24/2000			TRUE	TRUE	TRUE					
31962	SR176639	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/6/1985	9/5/1985	12/31/1999	9/5/2003	6/24/2000			TRUE	TRUE	TRUE					
31963	SR176640	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1985		11/16/1994		5/11/1995			TRUE	TRUE	TRUE					
31964	SR176641	SSG	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/9/1985	5/15/2003	12/31/1999	5/15/2003	6/24/2000			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31965	SR176642	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31966	SR176643	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		11/4/1994		4/28/1995			TRUE	TRUE	TRUE					
31967	SR176644	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		11/11/1994		5/6/1995			TRUE	TRUE	TRUE					
31968	SR176645	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		12/15/1994		6/9/1995			TRUE	TRUE	TRUE					
31969	SR176646	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Lid Removal	0	9/6/1965	8/14/2003	12/29/1994	8/14/2003	6/23/1995			TRUE	TRUE	TRUE					
31970	SR176647	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31971	SR176648	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
31972	SR176650	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	9/10/1985	9/10/1985	12/31/1999	9/2/2003	6/24/2000			TRUE	TRUE	TRUE					
31973	SR176651	SSG	EMPLACED_CNTR	7/11/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31974	SR176652	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/6/1965		11/8/1994		5/3/1995			TRUE	TRUE	TRUE					
31975	SR176653	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1965	6/16/2004	12/31/1999	6/16/2004	6/24/2000			TRUE	TRUE	TRUE					
31976	SR182503	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31977	SR182506	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31978	SR182507	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
31979	SR182508	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/31/1992		6/24/2000			TRUE	TRUE	TRUE					
31980	SR182509	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/9/1994		6/3/1995			TRUE	TRUE	TRUE					
31981	SR182510	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31982	SR182511	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/16/1986	1/19/2006	12/31/1999	1/19/2006	6/24/2000			TRUE	TRUE	TRUE					
31983	SR182512	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/16/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31984	SR182513	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/16/1986	6/7/2003	12/31/1999	6/7/2003	6/24/2000			TRUE	TRUE	TRUE					
31985	SR182517	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
31986	SR182518	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		12/11/1999		6/24/2000			TRUE	TRUE	TRUE					
31987	SR182522	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		11/29/1994		5/24/1995			TRUE	TRUE	TRUE					
31988	SR182523	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		1/18/1995		7/8/1995			TRUE	TRUE	TRUE					
31989	SR182524	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
31990	SR182525	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	1/21/1986	1/21/1986	12/31/1999	9/20/2005	6/24/2000			TRUE	TRUE	TRUE					
31991	SR182526	SSG	EMPLACED_CNTR	4/24/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/21/1986		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
31992	SR182527	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/28/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31993	SR182528	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	4/23/2008	12/31/1999	4/23/2003	6/24/2000			TRUE	TRUE	TRUE					
31994	SR182529	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	11/30/2003	12/31/1999	11/30/2003	6/24/2000			TRUE	TRUE	TRUE					
31995	SR182530	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	2/4/2004	12/31/1999	2/4/2004	6/24/2000			TRUE	TRUE	TRUE					
31996	SR182531	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	4/22/2003	12/31/1999	4/22/2003	6/24/2000			TRUE	TRUE	TRUE					
31997	SR182532	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31998	SR182533	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
31999	SR182534	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32000	SR182535	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	2/8/2004	12/31/1999	2/8/2004	6/24/2000			TRUE	TRUE	TRUE					
32001	SR182536	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32002	SR182537	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/13/1994		6/7/1995			TRUE	TRUE	TRUE					
32003	SR182538	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32004	SR182539	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	1/23/1986	1/23/1986	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
32005	SR182540	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1998		6/24/2000			TRUE	TRUE	TRUE					
32006	SR182542	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	6/23/2003	12/13/1994	6/23/2003	6/7/1995			TRUE	TRUE	TRUE					
32007	SR182547	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		11/30/1994		5/5/1995			TRUE	TRUE	TRUE					
32008	SR182550	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32009	SR182551	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	2/14/2004	12/31/1999	2/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32010	SR182552	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/23/1986	6/26/2003	11/8/1994	6/26/2003	5/3/1995			TRUE	TRUE	TRUE					
32011	SR182553	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
32012	SR182554	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/23/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32013	SR182556	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		11/23/1994		5/18/1995			TRUE	TRUE	TRUE					
32014	SR182557	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32015	SR182559	SSG	EMPLACED_CNTR	11/14/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
32016	SR182560	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32017	SR182561	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32018	SR182562	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		3/14/1994		9/8/1994			TRUE	TRUE	TRUE					
32019	SR182563	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32020	SR182564	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		1/24/1995		7/19/1995			TRUE	TRUE	TRUE					
32021	SR182567	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		11/4/1994		4/29/1995			TRUE	TRUE	TRUE					
32022	SR182568	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32023	SR182569	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	1/30/1986	1/30/1986	12/14/1994	3/1/2004	6/8/1995			TRUE	TRUE	TRUE					
32024	SR182570	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32025	SR182571	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		1/24/1995		7/19/1995			TRUE	TRUE	TRUE					
32026	SR182572	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
32027	SR182573	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/30/1986		11/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32028	SR182574	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/4/1986		12/15/1994		6/8/1995			TRUE	TRUE	TRUE					
32029	SR182575	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/4/1994		4/29/1995			TRUE	TRUE	TRUE					
32030	SR182577	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	4/20/2006	2/1/1995	4/20/2006	7/27/1995			TRUE	TRUE	TRUE					
32031	SR182578	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32032	SR182580	SSG	EMPLACED_CNTR	4/6/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/15/1994		5/10/1995			TRUE	TRUE	TRUE					
32033	SR182581	SSG	EMPLACED_CNTR	7/14/2001	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32034	SR182582	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	8/31/2003	1/10/1995	8/31/2003	7/5/1995			TRUE	TRUE	TRUE					
32035	SR182583	SSG	EMPLACED_CNTR	11/10/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/8/1994		6/2/1995			TRUE	TRUE	TRUE					
32036	SR182584	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	7/15/2003	12/31/1999	7/15/2003	6/24/2000			TRUE	TRUE	TRUE					
32037	SR182585	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
32038	SR182586	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		2/17/1995		8/12/1995			TRUE	TRUE	TRUE					
32039	SR182587	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/23/1994		5/18/1995			TRUE	TRUE	TRUE					
32040	SR182588	SSG	EMPLACED_CNTR	2/1/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	6/13/2006	12/31/1999	6/13/2006	6/24/2000			TRUE	TRUE	TRUE					
32041	SR182589	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32042	SR182590	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
32043	SR182591	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32044	SR182592	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	2/9/2004	12/31/1999	2/9/2004	6/24/2000			TRUE	TRUE	TRUE					
32045	SR182593	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		1/6/1995		7/1/1995			TRUE	TRUE	TRUE					
32046	SR182594	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32047	SR182595	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
32048	SR182596	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1986	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32049	SR182597	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32050	SR182598	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32051	SR182599	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32052	SR182601	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMIS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/6/1986		11/15/1994		5/10/1995			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32053	SR182602	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/6/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32054	SR182603	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/6/1986		1/27/1995		7/22/1995			TRUE	TRUE	TRUE					
32055	SR182604	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/6/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32056	SR182605	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/6/1986		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
32057	SR182606	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	2/16/2006	12/31/1999	2/16/2006	6/24/2000			TRUE	TRUE	TRUE					
32058	SR182607	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/7/1995		8/2/1995			TRUE	TRUE	TRUE					
32059	SR182608	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/14/1994	11/10/2006	6/8/1995			TRUE	TRUE	TRUE					
32060	SR182609	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/13/1986		1/4/1995		6/29/1995			TRUE	TRUE	TRUE					
32061	SR182610	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/20/1995		7/15/1995			TRUE	TRUE	TRUE					
32062	SR182611	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32063	SR182612	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/11/1995		7/6/1995			TRUE	TRUE	TRUE					
32064	SR182613	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/2/1995		7/29/1995			TRUE	TRUE	TRUE					
32065	SR182615	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		12/8/1994		6/2/1995			TRUE	TRUE	TRUE					
32066	SR182616	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/24/1995		7/21/1995			TRUE	TRUE	TRUE					
32067	SR182617	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/8/1994		5/4/1995			TRUE	TRUE	TRUE					
32068	SR182618	SSG	EMPLACED_CNTR	9/3/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	5/5/2004	2/7/1995	5/5/2004	7/28/1995			TRUE	TRUE	TRUE					
32069	SR182620	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
32070	SR182621	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/15/1994		5/10/1995			TRUE	TRUE	TRUE					
32071	SR182622	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	10/25/2003	12/31/1999	10/25/2003	6/24/2000			TRUE	TRUE	TRUE					
32072	SR182623	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/1/1995		7/27/1995			TRUE	TRUE	TRUE					
32073	SR182624	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/18/1994		5/11/1995			TRUE	TRUE	TRUE					
32074	SR182625	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32075	SR182626	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/10/1995		7/5/1995			TRUE	TRUE	TRUE					
32076	SR182627	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/11/1995		7/6/1995			TRUE	TRUE	TRUE					
32077	SR182628	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/3/1995		6/28/1995			TRUE	TRUE	TRUE					
32078	SR182629	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/31/1999	9/29/2003	6/24/2000			TRUE	TRUE	TRUE					
32079	SR182630	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32080	SR182631	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	5/12/2004	1/6/1995	5/12/2004	7/1/1995			TRUE	TRUE	TRUE					
32081	SR182632	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/13/1986	2/13/1986	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
32082	SR182633	SSG			4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32083	SR182634	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	11/14/2004	2/4/1999	11/14/2004	7/30/1999			TRUE	TRUE	TRUE					
32084	SR182635	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	4/4/2004	2/1/1995	4/4/2004	7/27/1995			TRUE	TRUE	TRUE					
32085	SR182636	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32086	SR182637	SSG	EMPLACED_CNTR	2/14/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32087	SR182638	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		12/8/1994		6/2/1995			TRUE	TRUE	TRUE					
32088	SR182639	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/7/1995		8/2/1995			TRUE	TRUE	TRUE					
32089	SR182640	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		1/27/1995		7/22/1995			TRUE	TRUE	TRUE					
32090	SR182641	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32091	SR182642	SSG	EMPLACED_CNTR	12/17/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	6/9/2003	2/7/1995	6/9/2003	8/2/1995			TRUE	TRUE	TRUE					
32092	SR182643	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	7/22/2003	1/26/1995	7/22/2003	7/21/1995			TRUE	TRUE	TRUE					
32093	SR182644	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/11/1994		5/6/1995			TRUE	TRUE	TRUE					
32094	SR182645	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32095	SR182646	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		1/3/1995		6/28/1995			TRUE	TRUE	TRUE					
32096	SR182647	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/11/1986	12/12/2005	2/2/1995	12/12/2005	7/28/1995			TRUE	TRUE	TRUE					
32097	SR182648	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/22/1994		5/17/1995			TRUE	TRUE	TRUE					
32098	SR182649	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		11/4/1994		4/29/1995			TRUE	TRUE	TRUE					
32099	SR182650	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32100	SR182651	SSG	EMPLACED_CNTR	9/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/11/1986	2/11/1986	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32101	SR182652	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/11/1986		2/7/1995		8/2/1995			TRUE	TRUE	TRUE					
32102	SR182653	SSG	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1986	3/23/2004	12/8/1994	3/23/2004	6/2/1995			TRUE	TRUE	TRUE					
32103	SR182654	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		11/11/1994		5/6/1995			TRUE	TRUE	TRUE					
32104	SR182655	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1986	3/17/2004	2/1/1995	3/17/2004	7/27/1995			TRUE	TRUE	TRUE					
32105	SR182656	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32106	SR182657	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		11/15/1994		5/10/1995			TRUE	TRUE	TRUE					
32107	SR182658	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		1/27/1995		7/22/1995			TRUE	TRUE	TRUE					
32108	SR182659	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		1/5/1995		6/30/1995			TRUE	TRUE	TRUE					
32109	SR182660	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		12/15/1994		6/9/1995			TRUE	TRUE	TRUE					
32110	SR182661	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/18/1986	2/18/1986	12/31/1999	2/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32111	SR182662	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/18/1986	10/25/2003	10/26/1994	10/25/2003	4/20/1995			TRUE	TRUE	TRUE					
32112	SR182663	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		11/15/1994		5/10/1995			TRUE	TRUE	TRUE					
32113	SR182664	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/18/1986	2/18/1986	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32114	SR182665	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		12/15/1994		6/9/1995			TRUE	TRUE	TRUE					
32115	SR182666	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		1/27/1995		7/12/1995			TRUE	TRUE	TRUE					
32116	SR182667	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/18/1986		12/8/1994		6/2/1995			TRUE	TRUE	TRUE					
32117	SR182668	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/27/1986	6/25/2003	1/14/1995	6/25/2003	7/19/1995			TRUE	TRUE	TRUE					
32118	SR182669	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32119	SR182670	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32120	SR182671	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/27/1986	2/27/1986	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32121	SR182672	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32122	SR182674	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32123	SR182675	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/3/1995		7/28/1995			TRUE	TRUE	TRUE					
32124	SR182676	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
32125	SR182677	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32126	SR182678	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/27/1986	2/27/1986	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32127	SR182679	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/2/1995		7/28/1995			TRUE	TRUE	TRUE					
32128	SR182680	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		1/27/1995		7/22/1995			TRUE	TRUE	TRUE					
32129	SR182681	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/27/1986	7/9/2005	2/1/1995	7/9/2005	7/27/1995			TRUE	TRUE	TRUE					
32130	SR182682	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		2/1/1995		7/27/1995			TRUE	TRUE	TRUE					
32131	SR182683	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/27/1986	1/26/2006	12/31/1999	1/26/2006	6/24/2000			TRUE	TRUE	TRUE					
32132	SR182684	SSG	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		1/25/1995		7/20/1995			TRUE	TRUE	TRUE					
32133	SR182685	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/27/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32134	SR193751	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/12/1985	10/18/2003	12/31/1999	10/18/2003	6/24/2000			TRUE	TRUE	TRUE					
32135	SR193752	SSG	EMPLACED_CNTR	12/17/2001	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/12/1985	7/22/2003	12/31/1999	7/21/2003	6/24/2000			TRUE	TRUE	TRUE					
32136	SR193753	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32137	SR193754	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/12/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32138	SR193755	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32139	SR193756	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		11/16/1994		5/11/1995			TRUE	TRUE	TRUE					
32140	SR193760	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32141	SR193761	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32142	SR193762	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/19/1985	6/7/2006	12/31/1999	6/7/2006	6/24/2000			TRUE	TRUE	TRUE					
32143	SR193762A	SSG	EMPLACED_CNTR	1/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		6/7/2006		6/7/2006											
32144	SR193763	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		11/16/1994		5/11/1995			TRUE	TRUE	TRUE					
32145	SR193764	SSG	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32146	SR193765	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32147	SR193766	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32148	SR193767	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/19/1985	3/21/2004	10/21/1994	3/21/2004	4/15/1995			TRUE	TRUE	TRUE					
32149	SR193768	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32150	SR193769	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32151	SR193770	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32152	SR193771	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32153	SR193772	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32154	SR193773	SSG	EMPLACED_CNTR	12/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32155	SR193774	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/19/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32156	SR193775	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/19/1985	1/16/2007	12/31/1999	1/16/2007	6/24/2000			TRUE	TRUE	TRUE					
32157	SR193777	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32158	SR193778	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	8/10/2003	12/31/1999	8/10/2003	6/24/2000			TRUE	TRUE	TRUE					
32159	SR193779	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	1/24/2007	12/31/1999	1/24/2007	6/24/2000			TRUE	TRUE	TRUE					
32160	SR193780	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32161	SR193781	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32162	SR193782	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32163	SR193783	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		11/8/1994		5/4/1995			TRUE	TRUE	TRUE					
32164	SR193784	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32165	SR193785	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32166	SR193786	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32167	SR193787	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	11/2/2006	12/31/1999	11/2/2006	6/24/2000			TRUE	TRUE	TRUE					
32168	SR193788	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32169	SR193789	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	3/29/2007	12/31/1999	3/29/2007	6/24/2000			TRUE	TRUE	TRUE					
32170	SR193789A	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/29/2007	3/29/2007	3/29/2007	3/29/2007	9/21/2007			TRUE	TRUE	TRUE					
32171	SR193790	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32172	SR193791	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	4/24/2004	12/31/1999	4/24/2004	6/24/2000			TRUE	TRUE	TRUE					
32173	SR193792	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		1/13/1995		7/6/1995			TRUE	TRUE	TRUE					
32174	SR193793	SSG	EMPLACED_CNTR	3/3/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	2/8/2004	12/31/1999	2/8/2004	6/24/2000			TRUE	TRUE	TRUE					
32175	SR193794	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	8/3/2007	12/31/1999	8/3/2007	6/24/2000			TRUE	TRUE	TRUE					
32176	SR193796	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	5/4/2006	12/31/1999	5/4/2006	6/24/2000			TRUE	TRUE	TRUE					
32177	SR193797	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32178	SR193798	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/3/1985	10/30/2004	1/13/1995	10/30/2004	7/6/1995			TRUE	TRUE	TRUE					
32179	SR193799	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32180	SR193800	SSG	EMPLACED_CNTR	1/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/9/1994		6/3/1995			TRUE	TRUE	TRUE					
32181	SR193801	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/8/1985	9/16/2003	12/31/1999	9/16/2003	6/24/2000			TRUE	TRUE	TRUE					
32182	SR193802	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
32183	SR193803	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
32184	SR193804	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/8/1985	5/18/2004	12/31/1999	5/18/2004	6/24/2000			TRUE	TRUE	TRUE					
32185	SR193805	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32186	SR193806	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		10/25/1994		4/19/1995			TRUE	TRUE	TRUE					
32187	SR193807	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32188	SR193808	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32189	SR193809	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32190	SR193810	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32191	SR193811	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		11/16/1994		5/11/1995			TRUE	TRUE	TRUE					
32192	SR193812	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/8/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32193	SR193813	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/8/1985	12/10/2003	12/1/1994	12/10/2003	5/26/1995			TRUE	TRUE	TRUE					
32194	SR193814	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/8/1985	5/7/2003	11/1/1994	5/7/2003	4/26/1995			TRUE	TRUE	TRUE					
32195	SR193815	SSG	EMPLACED_CNTR	5/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32196	SR193816	SSG	EMPLACED_CNTR	12/8/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
32197	SR193817	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32198	SR193818	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	10/9/1985	10/9/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32199	SR193819	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	12/3/2003	12/31/1999	12/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32200	SR193820	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32201	SR193821	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	6/23/2003	12/31/1999	6/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32202	SR193822	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/19/1985	12/19/1985	12/31/1999	9/2/2003	6/24/2000			TRUE	TRUE	TRUE					
32203	SR193823	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/19/1985	12/19/1985	12/31/1999	9/8/2003	6/24/2000			TRUE	TRUE	TRUE					
32204	SR193824	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32205	SR193825	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32206	SR193826	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/19/1985	12/19/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32207	SR193827	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32208	SR193828	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32209	SR193829	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32210	SR193830	SSG	EMPLACED_CNTR	11/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	5/13/2003	11/1/1994	5/13/2003	4/26/1995			TRUE	TRUE	TRUE					
32211	SR193831	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	1/25/2006	12/31/1999	1/25/2006	6/24/2000			TRUE	TRUE	TRUE					
32212	SR193832	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32213	SR193833	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	10/9/1985	10/9/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32214	SR193834	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32215	SR193835	SSG	EMPLACED_CNTR	11/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	10/9/1985	10/9/1985	12/31/1999	9/19/2003	6/24/2000			TRUE	TRUE	TRUE					
32216	SR193836	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32217	SR193837	SSG	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/9/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32218	SR193838	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	8/23/2003	12/31/1999	8/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32219	SR193839	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		2/16/1995		8/11/1995			TRUE	TRUE	TRUE					
32220	SR193840	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
32221	SR193841	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		10/20/1994		4/14/1995			TRUE	TRUE	TRUE					
32222	SR193842	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	7/16/2003	12/31/1999	7/16/2003	6/24/2000			TRUE	TRUE	TRUE					
32223	SR193843	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	3/9/2004	10/21/1994	3/9/2004	4/15/1995			TRUE	TRUE	TRUE					
32224	SR193844	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		2/10/1995		8/5/1995			TRUE	TRUE	TRUE					
32225	SR193845	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	10/10/1985	10/10/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32226	SR193846	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32227	SR193847	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32228	SR193848	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	1/12/2004	12/31/1999	1/12/2004	6/24/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32229	SR193849	55G	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32230	SR193851	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32231	SR193852	55G	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/10/1985	1/25/2006	12/31/1999	1/25/2006	6/24/2000			TRUE	TRUE	TRUE					
32232	SR193853	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32233	SR193854	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		11/10/1994		5/5/1995			TRUE	TRUE	TRUE					
32234	SR193855	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32235	SR193856	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		10/25/1994		4/19/1995			TRUE	TRUE	TRUE					
32236	SR193857	55G	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32237	SR193858	55G	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
32238	SR193860	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32239	SR193862	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/8/1994		5/31/1995			TRUE	TRUE	TRUE					
32240	SR193863	55G	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	2/8/2004	12/31/1999	2/8/2004	6/24/2000			TRUE	TRUE	TRUE					
32241	SR193864	55G	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32242	SR193865	55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	8/10/2003	12/31/1999	8/10/2003	6/24/2000			TRUE	TRUE	TRUE					
32243	SR193866	55G	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	4/3/2003	11/11/1994	4/3/2003	5/5/1995			TRUE	TRUE	TRUE					
32244	SR193867	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	10/31/2003	12/31/1999	10/31/2003	6/24/2000			TRUE	TRUE	TRUE					
32245	SR193868	55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	7/30/2003	12/31/1999	7/30/2003	6/24/2000			TRUE	TRUE	TRUE					
32246	SR193869	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32247	SR193870	55G	EMPLACED_CNTR	3/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	V&P Purge	0	10/16/1985	10/16/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32248	SR193871	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	6/13/2003	12/15/1994	6/13/2003	6/8/1995			TRUE	TRUE	TRUE					
32249	SR193872	55G	EMPLACED_CNTR	7/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32250	SR193873	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		1/13/1995		7/8/1995			TRUE	TRUE	TRUE					
32251	SR193874	55G	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32252	SR193875	55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32253	SR193876	55G	EMPLACED_CNTR	7/9/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32254	SR193877	55G	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/15/1985	5/13/2006	12/6/1994	5/13/2006	5/31/1995			TRUE	TRUE	TRUE					
32255	SR193877A	55G	EMPLACED_CNTR	6/27/2012 13:15	3/8/2012 15:01	mccabed	SR-WD27-FB-PRE86-C	55300			5/13/2006	3/6/2012	5/13/2006	3/6/2012		SWD061327 re-named and WS reassigned from SR-SWMF-HET-A, 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE					
32256	SR193878	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	3/13/2006	12/31/1999	3/13/2006	6/24/2000			TRUE	TRUE	TRUE					
32257	SR193879	55G	EMPLACED_CNTR	5/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32258	SR193880	55G	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32259	SR193881	55G	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32260	SR193882	55G	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32261	SR193883	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/15/1985		10/26/1994		4/20/1995			TRUE	TRUE	TRUE					
32262	SR193884	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
32263	SR193885	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		1/24/1995		7/19/1995			TRUE	TRUE	TRUE					
32264	SR193886	55G	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32265	SR193887	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/16/1985	1/22/2004	12/31/1999	1/22/2004	6/24/2000			TRUE	TRUE	TRUE					
32266	SR193888	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/16/1985		11/23/1994		5/18/1995			TRUE	TRUE	TRUE					
32267	SR193889	55G	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32268	SR193890	55G	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32269	SR193891	55G	EMPLACED_CNTR	9/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	5/29/2003	12/31/1999	5/29/2003	6/24/2000			TRUE	TRUE	TRUE					
32270	SR193892	55G	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	11/20/2007	12/31/1999	11/20/2007	6/24/2000			TRUE	TRUE	TRUE					
32271	SR193893	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32272	SR193894	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/8/1994		5/31/1995			TRUE	TRUE	TRUE					
32273	SR193896	55G	EMPLACED_CNTR	11/14/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	12/14/2005	12/31/1999	12/14/2005	6/24/2000			TRUE	TRUE	TRUE					
32274	SR193898	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32275	SR193900	55G	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	5/7/2003	12/31/1999	5/7/2003	6/24/2000			TRUE	TRUE	TRUE					
32276	SR193901	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	10/10/2003	3/16/1994	10/10/2003	9/8/1994			TRUE	TRUE	TRUE					
32277	SR193902	55G	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/23/1985		12/28/1994		6/22/1995			TRUE	TRUE	TRUE					
32278	SR193903	55G	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32279	SR193904	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	8/23/2003	12/31/1999	8/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32280	SR193905	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32281	SR193906	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32282	SR193907	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	V&P Vent	0	10/22/1985	10/22/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32283	SR193908	55G	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	6/13/2003	12/31/1999	6/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32284	SR193909	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32285	SR193910	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32286	SR193911	55G	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	V&P Vent	0	10/22/1985	10/22/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32287	SR193912	55G	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32288	SR193913	55G	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32289	SR193914	55G	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	V&P Vent	0	10/22/1985	10/22/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32290	SR193915	55G	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/22/1985	5/21/2003	1/17/1995	5/21/2003	7/12/1995			TRUE	TRUE	TRUE					
32291	SR193916	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32292	SR193917	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32293	SR193918	55G	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/22/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32294	SR193919	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	3/6/1986		1/10/1995		7/5/1995			TRUE	TRUE	TRUE					
32295	SR193920	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	3/6/1986		12/15/1994		6/8/1995			TRUE	TRUE	TRUE					
32296	SR193921	55G	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	3/6/1986		1/20/1995		7/15/1995			TRUE	TRUE	TRUE					
32297	SR193922	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	3/6/1986		11/10/1994		5/5/1995			TRUE	TRUE	TRUE					
32298	SR193928	55G	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/24/1985	7/16/2007	12/31/1999	7/16/2007	6/24/2000			TRUE	TRUE	TRUE					
32299	SR193929	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/24/1985	10/7/2006	11/16/1994	10/7/2006	5/11/1995			TRUE	TRUE	TRUE					
32300	SR193930	55G	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/24/1985	7/8/2006	12/31/1999	7/8/2006	6/24/2000			TRUE	TRUE	TRUE					
32301	SR193931	55G	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32302	SR193932	55G	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32303	SR193933	55G	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32304	SR193934	55G	EMPLACED_CNTR	8/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32305	SR193935	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	V&P Vent	0	10/24/1985	10/24/1985	12/31/1999	9/8/2003	6/24/2000			TRUE	TRUE	TRUE					
32306	SR193937	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		10/21/1994		4/15/1995			TRUE	TRUE	TRUE					
32307	SR193938	55G	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/24/1985		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
32308	SR193939	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/24/1985	8/22/2003	12/31/1999	8/22/2003	6/24/2000			TRUE	TRUE	TRUE					
32309	SR194505	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/29/1985		1/18/1995		7/13/1995			TRUE	TRUE	TRUE					
32310	SR194506	55G	EMPLACED_CNTR	2/26/2005	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/29/1985	3/20/2004	12/31/1999	3/20/2004	6/24/2000			TRUE	TRUE	TRUE					
32311	SR194507	55G	EMPLACED_CNTR	6/15/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/29/1985	2/6/2004	12/31/1999	2/6/2004	6/24/2000			TRUE	TRUE	TRUE					
32312	SR194509	55G	EMPLACED_CNTR	8/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300		0	10/29/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32313	SR194510	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/29/1985	9/13/2003	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32314	SR194511	55G	EMPLACED_CNTR	12/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/29/1985	9/14/2003	12/31/1999	9/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32315	SR194512	55G	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WD27-FB-PRE86-C	55300	Remediate	1	10/29/1985	6/27/2003	12/31/1999	6/27/2003	6/24/2000			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32316	SR194513	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/29/1985	5/27/2003	1/20/1995	5/27/2003	7/15/1995			TRUE	TRUE	TRUE					
32317	SR194514	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/29/1985	2/15/2004	12/31/1999	2/15/2004	6/24/2000			TRUE	TRUE	TRUE					
32318	SR194515	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32319	SR194516	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32320	SR194517	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32321	SR194518	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/29/1985	10/29/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32322	SR194519	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32323	SR194520	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32324	SR194521	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		11/3/1994		4/28/1995			TRUE	TRUE	TRUE					
32325	SR194522	SSG	EMPLACED_CNTR	7/24/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32326	SR194523	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32327	SR194524	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32328	SR194525	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32329	SR194526	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	11/5/1985	11/5/1985	12/31/1999	3/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32330	SR194527	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	5/15/2003	12/31/1999	5/15/2003	6/24/2000			TRUE	TRUE	TRUE					
32331	SR194528	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	5/17/2004	9/17/1994	5/17/2004	9/9/1994			TRUE	TRUE	TRUE					
32332	SR194529	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32333	SR194530	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	9/13/2003	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32334	SR194531	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32335	SR194532	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	10/30/2006	12/31/1999	10/30/2006	6/24/2000			TRUE	TRUE	TRUE					
32336	SR194533	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32337	SR194534	SSG	EMPLACED_CNTR	6/18/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	3/5/2007	2/15/1996	3/5/2007	8/8/1996			TRUE	TRUE	TRUE					
32338	SR194535	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32339	SR194536	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	10/5/2003	12/31/1999	10/5/2003	6/24/2000			TRUE	TRUE	TRUE					
32340	SR194541	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	9/2/2003	11/2/1994	9/2/2003	4/27/1995			TRUE	TRUE	TRUE					
32341	SR194542	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	5/11/2004	12/31/1999	5/11/2004	6/24/2000			TRUE	TRUE	TRUE					
32342	SR194543	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32343	SR194544	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32344	SR194545	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	2/1/2004	12/31/1999	2/1/2004	6/24/2000			TRUE	TRUE	TRUE					
32345	SR194546	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1985	9/14/2003	12/31/1999	9/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32346	SR194547	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	11/7/1985	11/7/1985	12/31/1999	10/26/2006	6/24/2000			TRUE	TRUE	TRUE					
32347	SR194548	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/7/1985	2/6/2006	12/31/1999	2/6/2006	6/24/2000			TRUE	TRUE	TRUE					
32348	SR194552	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32349	SR194553	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32350	SR194555	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32351	SR194556	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/7/1985	9/23/2006	12/31/1999	9/23/2006	6/24/2000			TRUE	TRUE	TRUE					
32352	SR194557	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32353	SR194561	SSG	EMPLACED_CNTR	8/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32354	SR194564	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/7/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32355	SR194568	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32356	SR194569	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		11/3/1994		4/28/1995			TRUE	TRUE	TRUE					
32357	SR194570	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/14/1985		3/18/1994		9/9/1994			TRUE	TRUE	TRUE					
32358	SR194571	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32359	SR194572	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32360	SR194573	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	3/21/2004	12/31/1999	3/21/2004	6/24/2000			TRUE	TRUE	TRUE					
32361	SR194574	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32362	SR194575	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	4/29/2003	11/4/1994	4/29/2003	4/29/1995			TRUE	TRUE	TRUE					
32363	SR194576	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32364	SR194577	SSG	EMPLACED_CNTR	4/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	10/26/2003	1/11/1995	10/26/2003	7/6/1995			TRUE	TRUE	TRUE					
32365	SR194578	SSG	EMPLACED_CNTR	7/31/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32366	SR194579	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32367	SR194580	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/14/1985		3/18/1994		9/8/1994			TRUE	TRUE	TRUE					
32368	SR194581	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32369	SR194582	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	2/22/2004	12/31/1999	2/22/2004	6/24/2000			TRUE	TRUE	TRUE					
32370	SR194583	SSG	EMPLACED_CNTR	5/16/1904	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32371	SR194584	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32372	SR194585	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		11/4/1994		4/29/1995			TRUE	TRUE	TRUE					
32373	SR194586	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
32374	SR194587	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32375	SR194588	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32376	SR194589	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32377	SR194590	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32378	SR194591	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	11/12/1985	11/12/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32379	SR194593	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		3/17/1994		9/9/1994			TRUE	TRUE	TRUE					
32380	SR194594	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	11/12/1985	11/12/1985	12/31/1999	9/9/2003	6/24/2000			TRUE	TRUE	TRUE					
32381	SR194595	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32382	SR194596	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999	1/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32383	SR194597	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	1/17/2004	12/31/1999	1/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32384	SR194598	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	5/13/2006	12/31/1999	5/13/2006	6/24/2000										
32385	SR194598A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		1/7/2004		1/7/2004				TRUE	TRUE	TRUE					
32386	SR194599	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32387	SR194600	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/12/1985	3/21/2004	12/6/1994	3/21/2004	5/31/1995										
32388	SR194600A	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1		3/21/2004		3/21/2004											
32389	SR194601	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32390	SR194602	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/12/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32391	SR194603	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/14/1985	2/29/2004	11/4/1994	2/29/2004	4/29/1995			TRUE	TRUE	TRUE					
32392	SR194606	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/14/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32393	SR194607	SSG	EMPLACED_CNTR	6/17/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/14/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32394	SR194608	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/14/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					
32395	SR194610	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32396	SR194611	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/16/1985	12/19/2006	12/31/1999	12/19/2006	6/24/2000			TRUE	TRUE	TRUE					
32397	SR194612	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
32398	SR194613	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32399	SR194614	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32400	SR194615	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32401	SR194616	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32402	SR194617	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/16/1985	3/11/2003	12/31/1999	3/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32403	SR194618	SSG	EMPLACED_CNTR	11/7/2001	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	11/16/1985		11/1/1994		4/26/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32404	SR194619	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/16/1985	2/22/2004	12/31/1999	2/22/2004	6/24/2000			TRUE	TRUE	TRUE					
32405	SR194620	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32406	SR194621	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32407	SR194622	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32408	SR194623	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/21/1985	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32409	SR194624	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32410	SR194625	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32411	SR194626	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	11/21/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32412	SR194627	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32413	SR194628	SSG	EMPLACED_CNTR	6/18/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32414	SR194629	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32415	SR194630	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32416	SR194631	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
32417	SR194632	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32418	SR194633	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32419	SR194634	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32420	SR194635	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/2/1985	7/15/2003	12/31/1999	7/15/2003	6/24/2000			TRUE	TRUE	TRUE					
32421	SR194636	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32422	SR194637	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1985		1/17/1995		7/12/1995			TRUE	TRUE	TRUE					
32423	SR194638	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/2/1985	8/20/2003	12/31/1999	8/20/2003	6/24/2000			TRUE	TRUE	TRUE					
32424	SR194640	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		10/20/1994		4/14/1995			TRUE	TRUE	TRUE					
32425	SR194641	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32426	SR194642	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	2/14/2004	12/31/1999	2/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32427	SR194643	SSG	EMPLACED_CNTR	5/16/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32428	SR194644	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	3/14/2004	12/31/1999	3/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32429	SR194644A	SSG	EMPLACED_CNTR	7/25/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		3/14/2004		3/14/2004											
32430	SR194645	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32431	SR194646	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	7/23/2003	12/31/1999	7/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32432	SR194647	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	8/5/2006	12/31/1999	8/5/2006	6/24/2000										
32433	SR194647A	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		1/27/2006		1/27/2006											
32434	SR194648	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	7/24/2003	10/25/1994	7/24/2003	4/19/1995			TRUE	TRUE	TRUE					
32435	SR194649	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32436	SR194650	SSG	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32437	SR194651	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/3/1985	12/3/1985	12/31/1999	9/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32438	SR194652	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/3/1985	12/3/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32439	SR194653	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	9/17/2003	12/31/1999	9/17/2003	6/24/2000			TRUE	TRUE	TRUE					
32440	SR194654	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/3/1985	9/14/2003	12/31/1999	9/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32441	SR194655	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/3/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32442	SR194657	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32443	SR194658	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32444	SR194659	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32445	SR194660	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32446	SR194662	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		10/28/1994		4/12/1995			TRUE	TRUE	TRUE					
32447	SR194663	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		10/27/1994		4/21/1995			TRUE	TRUE	TRUE					
32448	SR194664	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/6/1994		5/31/1995			TRUE	TRUE	TRUE					
32449	SR194665	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		11/29/1994		5/24/1995			TRUE	TRUE	TRUE					
32450	SR194666	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		10/21/1994		4/13/1995			TRUE	TRUE	TRUE					
32451	SR194667	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/5/1985	12/16/2003	12/31/1999	12/16/2003	6/24/2000			TRUE	TRUE	TRUE					
32452	SR194668	SSG	EMPLACED_CNTR	3/9/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/5/1985	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32453	SR194669	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/5/1985	3/7/2003	12/31/1999	3/7/2003	6/24/2000			TRUE	TRUE	TRUE					
32454	SR194670	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32455	SR194672	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32456	SR194673	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32457	SR194674	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32458	SR194675	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32459	SR194676	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32460	SR194677	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/5/1985	8/11/2003	12/31/1999	8/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32461	SR194679	SSG	EMPLACED_CNTR	11/30/2002	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		11/30/1994		5/25/1995			TRUE	TRUE	TRUE					
32462	SR194680	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/5/1985	12/5/1985	12/31/1999	9/12/2003	6/24/2000			TRUE	TRUE	TRUE					
32463	SR194681	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/5/1985	1/18/2006	12/31/1999	1/18/2006	6/24/2000			TRUE	TRUE	TRUE					
32464	SR194682	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32465	SR194683	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32466	SR194684	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32467	SR194685	SSG	EMPLACED_CNTR	4/14/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32468	SR194686	SSG	EMPLACED_CNTR	6/26/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32469	SR194687	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32470	SR194688	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32471	SR194693	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/5/1985		12/28/1994		6/22/1995			TRUE	TRUE	TRUE					
32472	SR194696	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/10/1985	5/14/2003	12/16/1994	5/14/2003	6/10/1995			TRUE	TRUE	TRUE					
32473	SR194700	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32474	SR194701	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32475	SR194702	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/10/1985	5/27/2004	12/31/1999	5/27/2004	6/24/2000			TRUE	TRUE	TRUE					
32476	SR194703	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32477	SR194704	SSG	EMPLACED_CNTR	1/28/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/10/1985	6/30/2003	1/19/1995	6/30/2003	7/14/1995			TRUE	TRUE	TRUE					
32478	SR194705	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32479	SR194706	SSG	EMPLACED_CNTR	2/26/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32480	SR194707	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/10/1985	2/8/2004	12/31/1999	2/8/2004	6/24/2000			TRUE	TRUE	TRUE					
32481	SR194708	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/10/1985	12/10/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32482	SR194709	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/10/1985	8/20/2003	11/30/1994	8/20/2003	5/25/1995			TRUE	TRUE	TRUE					
32483	SR194710	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32484	SR194711	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/10/1985	12/10/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32485	SR194712	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/10/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32486	SR194714	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		11/18/1994		5/13/1995			TRUE	TRUE	TRUE					
32487	SR194715	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32488	SR194716	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/17/1985	7/18/2003	12/31/1999	7/18/2003	8/24/2000			TRUE	TRUE	TRUE					
32489	SR194718	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		8/24/2000			TRUE	TRUE	TRUE					
32490	SR194719	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/17/1985	12/17/1985	12/31/1999	7/28/2005	8/24/2000			TRUE	TRUE	TRUE					
32491	SR194720	SSG	EMPLACED_CNTR	11/29/2002	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/1/1994		5/26/1995			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32492	SR194721	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/17/1985	6/15/2004	12/31/1999	8/15/2004	6/24/2000			TRUE	TRUE	TRUE					
32493	SR194722	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		10/28/1994		4/22/1995			TRUE	TRUE	TRUE					
32494	SR194723	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32495	SR194724	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/7/1994		6/1/1995			TRUE	TRUE	TRUE					
32496	SR194725	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/17/1985	4/11/2003	12/31/1999	4/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32497	SR194726	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		10/28/1994		4/23/1995			TRUE	TRUE	TRUE					
32498	SR194727	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/17/1985	12/17/1985	12/31/1999	9/3/2003	6/24/2000			TRUE	TRUE	TRUE					
32499	SR194728	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		11/17/1994		5/12/1995			TRUE	TRUE	TRUE					
32500	SR194729	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32501	SR194730	SSG	EMPLACED_CNTR	7/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/17/1985	12/17/1985	12/31/1999	11/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32502	SR194731	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32503	SR194732	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32504	SR194733	SSG	EMPLACED_CNTR	2/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32505	SR194734	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/8/1994		6/1/1995			TRUE	TRUE	TRUE					
32506	SR194735	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/17/1985	9/21/2003	12/31/1999	9/21/2003	6/24/2000			TRUE	TRUE	TRUE					
32507	SR194736	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32508	SR194737	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/17/1985	6/24/2003	12/31/1999	6/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32509	SR194739	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		1/17/1995		6/24/2000			TRUE	TRUE	TRUE					
32510	SR194740	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32511	SR194741	SSG	EMPLACED_CNTR	2/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32512	SR194742	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/17/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32513	SR194743	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/17/1985	12/17/1985	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32514	SR194744	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/13/1986		12/29/1994		6/23/1995			TRUE	TRUE	TRUE					
32515	SR194745	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/13/1986		12/29/1994		6/21/1995			TRUE	TRUE	TRUE					
32516	SR194746	SSG	EMPLACED_CNTR	9/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/13/1986		12/28/1994		6/22/1995			TRUE	TRUE	TRUE					
32517	SR194747	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1986	11/12/2003	2/7/1995	11/12/2003	8/2/1995			TRUE	TRUE	TRUE					
32518	SR194751	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32519	SR194752	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32520	SR194753	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1985		1/16/1995		7/13/1995			TRUE	TRUE	TRUE					
32521	SR194754	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/24/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32522	SR194755	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/24/1985	9/14/2003	12/31/1999	9/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32523	SR194756	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/24/1985	2/11/2004	12/31/1999	2/11/2004	6/24/2000			TRUE	TRUE	TRUE					
32524	SR199501	SSG	EMPLACED_CNTR	7/23/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1985	6/16/2004	12/31/1999	6/16/2004	6/24/2000			TRUE	TRUE	TRUE					
32525	SR199503	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/29/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32526	SR199504	SSG	EMPLACED_CNTR	7/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/29/1985	4/5/2004	2/17/1995	4/5/2004	8/12/1995			TRUE	TRUE	TRUE					
32527	SR199509	SSG	EMPLACED_CNTR	8/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32528	SR199510	SSG	EMPLACED_CNTR	10/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32529	SR199511	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
32530	SR199512	SSG	EMPLACED_CNTR	6/29/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32531	SR199513	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32532	SR199514	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32533	SR199515	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/19/1985	5/30/2003	12/31/1999	5/30/2003	6/24/2000			TRUE	TRUE	TRUE					
32534	SR199516	SSG	EMPLACED_CNTR	8/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/15/1994		6/9/1995			TRUE	TRUE	TRUE					
32535	SR199517	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/19/1985		12/14/1994		6/8/1995			TRUE	TRUE	TRUE					
32536	SR199518	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/19/1985	12/19/1985	12/31/1999	9/11/2003	6/24/2000			TRUE	TRUE	TRUE					
32537	SR199519	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/19/1985	9/18/2003	12/31/1999	9/18/2003	6/24/2000			TRUE	TRUE	TRUE					
32538	SR199520	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/19/1985	6/18/2004	12/31/1999	6/18/2004	6/24/2000			TRUE	TRUE	TRUE					
32539	SR199521	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/31/1985		3/3/1995		6/28/1995			TRUE	TRUE	TRUE					
32540	SR199522	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/31/1985		1/3/1995		6/28/1995			TRUE	TRUE	TRUE					
32541	SR199523	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/31/1985		12/8/1994		6/3/1995			TRUE	TRUE	TRUE					
32542	SR199524	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/31/1985		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32543	SR199525	SSG	EMPLACED_CNTR	1/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/2/1986	4/23/2003	12/31/1999	4/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32544	SR199525A	SSG	EMPLACED_CNTR	7/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/23/2003	4/23/2003	4/23/2003	4/23/2003	10/16/2003			TRUE	TRUE	TRUE					
32545	SR199526	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/2/1986	1/2/2003	11/4/1994	1/2/2003	4/29/1995			TRUE	TRUE	TRUE					
32546	SR199527	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/2/1986	3/6/2004	11/23/1994	3/6/2004	5/18/1995			TRUE	TRUE	TRUE					
32547	SR199528	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/2/1986	12/4/2004	12/31/1999	12/4/2004	6/24/2000			TRUE	TRUE	TRUE					
32548	SR199529	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/2/1986		11/4/1994		4/29/1995			TRUE	TRUE	TRUE					
32549	SR199530	SSG	EMPLACED_CNTR	4/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/2/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32550	SR199531	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/2/1986	5/4/2007	12/31/1999	5/4/2007	6/24/2000			TRUE	TRUE	TRUE					
32551	SR199533	SSG	EMPLACED_CNTR	1/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/2/1986		1/13/1995		7/8/1995			TRUE	TRUE	TRUE					
32552	SR199534	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/2/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32553	SR199535	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/2/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32554	SR199536	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	1/2/1986	1/2/1986	12/31/1999	9/10/2003	6/24/2000			TRUE	TRUE	TRUE					
32555	SR199537	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
32556	SR199538	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/7/1986	1/7/1986	12/31/1999	9/4/2003	6/24/2000			TRUE	TRUE	TRUE					
32557	SR199539	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		1/4/1995		7/1/1995			TRUE	TRUE	TRUE					
32558	SR199540	SSG	EMPLACED_CNTR	7/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32559	SR199541	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32560	SR199542	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32561	SR199543	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		1/4/1994		4/28/1995			TRUE	TRUE	TRUE					
32562	SR199544	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/7/1986	1/7/1986	12/31/1999	9/10/2003	6/24/2000			TRUE	TRUE	TRUE					
32563	SR199545	SSG	EMPLACED_CNTR	6/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/7/1986	12/7/2006	12/31/1999	12/7/2006	6/24/2000			TRUE	TRUE	TRUE					
32564	SR199546	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32565	SR199547	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/7/1986	1/20/2004	12/31/1999	1/20/2004	6/24/2000			TRUE	TRUE	TRUE					
32566	SR199548	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/16/1994		6/10/1995			TRUE	TRUE	TRUE					
32567	SR199549	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32568	SR199550	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/7/1986	5/30/2003	1/19/1995	5/30/2003	7/14/1995			TRUE	TRUE	TRUE					
32569	SR199551	SSG	EMPLACED_CNTR	3/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/7/1986	7/23/2003	11/10/1994	7/23/2003	5/5/1995			TRUE	TRUE	TRUE					
32570	SR199552	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/7/1988		10/27/1994		4/25/1995			TRUE	TRUE	TRUE					
32571	SR199553	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		1/10/1995		7/5/1995			TRUE	TRUE	TRUE					
32572	SR199554	SSG	EMPLACED_CNTR	7/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32573	SR199555	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		11/22/1994		5/17/1995			TRUE	TRUE	TRUE					
32574	SR199556	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		12/8/1994		6/3/1995			TRUE	TRUE	TRUE					
32575	SR199557	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32576	SR199558	SSG	EMPLACED_CNTR	6/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1986	6/14/2004	12/31/1999	6/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32577	SR199558A	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		6/14/2004		6/14/2004											
32578	SR199559	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		12/2/1994		5/27/1995			TRUE	TRUE	TRUE					
32579	SR199560	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/9/1986		11/3/1994		4/28/1995										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32580	SR199561	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/9/1986	4/8/2003	12/31/1999	4/8/2003	6/24/2000			TRUE	TRUE	TRUE					
32581	SR199562	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		4/8/1995		10/1/1996			TRUE	TRUE	TRUE					
32582	SR199563	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32583	SR199564	SSG	EMPLACED_CNTR	1/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		10/28/1994		4/23/1995			TRUE	TRUE	TRUE					
32584	SR199565	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		3/18/1996		9/10/1996			TRUE	TRUE	TRUE					
32585	SR199566	SSG	EMPLACED_CNTR	7/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/14/1986	3/15/2004	11/18/1994	3/15/2004	5/13/1995			TRUE	TRUE	TRUE					
32586	SR199567	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		11/10/1994		5/5/1995			TRUE	TRUE	TRUE					
32587	SR199568	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/14/1986	2/5/2004	11/3/1994	2/5/2004	4/28/1995			TRUE	TRUE	TRUE					
32588	SR199569	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		12/4/1996		5/29/1997			TRUE	TRUE	TRUE					
32589	SR199570	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
32590	SR199571	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/14/1986		11/7/1995		5/2/1997			TRUE	TRUE	TRUE					
32591	SR199572	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/14/1986	2/15/2004	3/20/1996	2/15/2004	9/12/1996			TRUE	TRUE	TRUE					
32592	SR199573	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/16/1986		1/19/1995		7/14/1995			TRUE	TRUE	TRUE					
32593	SR199574	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/16/1986	7/14/2006	12/31/1999	7/14/2006	6/24/2000										
32594	SR199574A	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		7/14/2006		7/14/2006				TRUE	TRUE	TRUE					
32595	SR202745	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32596	SR202746	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		11/1/1994		4/27/1995			TRUE	TRUE	TRUE					
32597	SR202747	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		1/5/1995		6/30/1995			TRUE	TRUE	TRUE					
32598	SR202749	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		10/19/1994		4/13/1995			TRUE	TRUE	TRUE					
32599	SR202751	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1986	6/12/2003	2/15/1995	6/12/2003	8/10/1995			TRUE	TRUE	TRUE					
32600	SR202752	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		2/10/1995		8/5/1995			TRUE	TRUE	TRUE					
32601	SR204801	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		2/3/1995		7/29/1995			TRUE	TRUE	TRUE					
32602	SR204802	SSG	EMPLACED_CNTR	12/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1986	6/9/2006	12/28/1994	6/9/2006	6/23/1995			TRUE	TRUE	TRUE					
32603	SR204803	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/18/1986	3/18/1986	12/31/1999	10/17/2003	6/24/2000			TRUE	TRUE	TRUE					
32604	SR204804	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		11/1/1994		6/29/1995			TRUE	TRUE	TRUE					
32605	SR204605	SSG	EMPLACED_CNTR	12/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		11/1/1994		4/26/1995			TRUE	TRUE	TRUE					
32606	SR204606	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/17/1986	3/17/1986	12/31/1999	12/11/2001	6/24/2000			TRUE	TRUE	TRUE					
32607	SR204607	SSG	EMPLACED_CNTR	4/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		11/2/1994		4/27/1995			TRUE	TRUE	TRUE					
32608	SR204608	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1986		2/8/1995		8/1/1995			TRUE	TRUE	TRUE					
32609	SR204609	SSG	EMPLACED_CNTR	9/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/17/1986	3/17/1986	12/31/1999	9/26/2003	6/24/2000			TRUE	TRUE	TRUE					
32610	SR205301	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/19/1986		2/10/1995		8/5/1995			TRUE	TRUE	TRUE					
32611	SR205302	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/19/1986		2/15/1995		8/10/1995			TRUE	TRUE	TRUE					
32612	SR205303	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/19/1986		2/7/1995		8/2/1995			TRUE	TRUE	TRUE					
32613	SR500504	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/24/1974	7/21/2008		7/21/2008				TRUE	TRUE	TRUE					
32614	SR500505	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/22/1974	1/22/2006	12/31/1999	1/22/2006	6/24/2000			TRUE	TRUE	TRUE					
32615	SR500506	SSG	EMPLACED_CNTR	12/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/24/1974	6/24/1974	12/31/1999	2/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32616	SR500507	SSG	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/19/1974	7/19/1974	12/31/1999	2/12/2004	6/24/2000			TRUE	TRUE	TRUE					
32617	SR500508	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/19/1974	7/19/1974	1/27/2000	12/19/2003	7/21/2000			TRUE	TRUE	TRUE					
32618	SR500509	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/15/1974	7/15/1974	1/29/2000	2/22/2004	7/13/2000			TRUE	TRUE	TRUE					
32619	SR500510	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/15/1974	7/15/1974	2/2/2000	10/27/2003	7/27/2000			TRUE	TRUE	TRUE					
32620	SR500511	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/12/1974	7/12/1974	1/25/2000	10/28/2003	7/19/2000			TRUE	TRUE	TRUE					
32621	SR500512	SSG	EMPLACED_CNTR	6/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/15/1974	7/15/1974	12/31/1999	2/5/2004	6/24/2000			TRUE	TRUE	TRUE					
32622	SR900513	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/22/1974	7/22/1974	12/31/1999	2/5/2004	6/24/2000			TRUE	TRUE	TRUE					
32623	SR500514	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/22/1974	1/19/2004	1/20/2000	1/19/2004	7/14/2000			TRUE	TRUE	TRUE					
32624	SR500515	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/22/1974	7/21/2008		7/21/2008				TRUE	TRUE	TRUE					
32625	SR500515A	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/2008		7/21/2008		1/13/2009			TRUE	TRUE	TRUE					
32626	SR500516	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/24/1974	3/20/2004	1/26/2000	3/20/2004	7/20/2000			TRUE	TRUE	TRUE					
32627	SR500517	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/8/1974	3/20/2004	1/18/2000	3/20/2004	7/12/2000			TRUE	TRUE	TRUE					
32628	SR500518	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/24/1974	3/23/2004	2/1/2000	3/23/2004	7/26/2000			TRUE	TRUE	TRUE					
32629	SR500519	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/8/1974	7/8/1974	1/14/2000	10/30/2003	7/18/2000			TRUE	TRUE	TRUE					
32630	SR500520	SSG	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/19/1974	7/19/1974	12/31/1999	8/10/2005	6/24/2000			TRUE	TRUE	TRUE					
32631	SR500521	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/12/1974	7/12/1974	1/26/2000	10/28/2003	7/20/2000			TRUE	TRUE	TRUE					
32632	SR500522	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/2/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32633	SR500523	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/22/1974	6/17/2004	12/31/1999	6/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32634	SR500524	SSG	EMPLACED_CNTR	5/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/29/1974	7/29/1974		1/21/2007				TRUE	TRUE	TRUE					
32635	SR500525	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/24/1974	6/24/1974	12/31/1999	2/12/2004	6/24/2000			TRUE	TRUE	TRUE					
32636	SR500526	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/19/1974	7/19/1974	12/31/1999	12/19/2003	6/24/2000			TRUE	TRUE	TRUE					
32637	SR500527	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/26/1974	7/26/1974	1/18/2000	10/28/2003	7/12/2000			TRUE	TRUE	TRUE					
32638	SR500528	SSG	EMPLACED_CNTR	11/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/24/1974	6/24/2004	12/31/1999	6/24/2004	6/24/2000			TRUE	TRUE	TRUE					
32639	SR500529	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/2/1974	7/2/1974	12/31/1999	2/11/2004	6/24/2000			TRUE	TRUE	TRUE					
32640	SR500530	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/26/1974	7/26/1974	12/31/1999	6/4/2005	6/24/2000			TRUE	TRUE	TRUE					
32641	SR500531	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/12/1974	3/23/2004	1/26/2000	3/23/2004	7/20/2000			TRUE	TRUE	TRUE					
32642	SR500532	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/2/1974	8/12/2008		8/12/2008				TRUE	TRUE	TRUE					
32643	SR500532A	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/18/2008		7/18/2008		1/19/2009			TRUE	TRUE	TRUE					
32644	SR500533	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/19/1974	7/19/1974	1/20/2000	10/28/2003	7/14/2000			TRUE	TRUE	TRUE					
32645	SR900534	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/22/1974	7/22/1974	12/31/1999	10/29/2003	6/24/2000			TRUE	TRUE	TRUE					
32646	SR500535	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/15/1974	7/15/1974	12/31/1999	1/6/2004	6/24/2000			TRUE	TRUE	TRUE					
32647	SR500536	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/15/1974	7/18/2008		7/18/2008				TRUE	TRUE	TRUE					
32648	SR500537	SSG	EMPLACED_CNTR	6/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/24/1974	6/24/1974	1/24/2000	10/30/2005	7/18/2000			TRUE	TRUE	TRUE					
32649	SR500538	SSG	EMPLACED_CNTR	8/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/24/1974	6/24/1974	12/31/1999	11/23/2006	6/24/2000			TRUE	TRUE	TRUE					
32650	SR500539	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/29/1974	3/15/2007		3/15/2007				TRUE	TRUE	TRUE					
32651	SR500540	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1974	8/8/1974		5/31/2006				TRUE	TRUE	TRUE					
32652	SR500541	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/29/1974	7/29/1974		1/20/2007				TRUE	TRUE	TRUE					
32653	SR500542	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/13/1974	8/13/1974		5/31/2004				TRUE	TRUE	TRUE					
32654	SR500543	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1974	8/8/1974		1/31/2004				TRUE	TRUE	TRUE					
32655	SR500544	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/31/1974	7/31/1974		1/21/2007				TRUE	TRUE	TRUE					
32656	SR500545	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/24/1974	6/24/1974	1/25/2000	10/30/2003	7/19/2000			TRUE	TRUE	TRUE					
32657	SR500546	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/2/1974	8/2/1974	12/31/1999	12/19/2003	6/24/2000			TRUE	TRUE	TRUE					
32658	SR500547	SSG	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/16/1974	3/21/2004	1/18/2000	3/21/2004	7/12/2000			TRUE	TRUE	TRUE					
32659	SR500548	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/3/1974	1/25/2007	12/31/1999	1/25/2007	6/24/2000			TRUE	TRUE	TRUE					
32660	SR500550	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/2/1974	6/19/2004	2/1/2000	6/19/2004	7/26/2000			TRUE	TRUE	TRUE					
32661	SR500551	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/8/1974	8/8/1974	12/31/1999	2/12/2004	6/24/2000			TRUE	TRUE	TRUE					
32662	SR500552	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/8/1974	8/8/1974	12/31/1999	1/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32663	SR500553	SSG	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/16/1974	8/16/1974	1/25/2000	10/29/2003	7/19/2000			TRUE	TRUE	TRUE					
32664	SR500554	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/2/1974	8/2/1974	12/31/1999	7/28/2004	6/24/2000			TRUE	TRUE	TRUE					
32665	SR500555	SSG	EMPLACED_CNTR	9/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/8/1974	8/8/1974	2/2/2000	10/27/2003	7/27/2000			TRUE	TRUE	TRUE					
32666	SR500556	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/8/1974	6/17/2004	12/31/1999	6/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32667	SR500557	SSG	EMPLACED_CNTR	9/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/16/1974	3/20/2004	1/26/2000	3/20/2004	7/20/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32668	SR500558	55G	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/16/1974	5/1/2004	1/27/2000	5/1/2004	7/21/2000			TRUE	TRUE	TRUE					
32669	SR500559	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/31/1974	7/31/1974		1/31/2007				TRUE	TRUE	TRUE					
32670	SR500560	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/2/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32671	SR500561	55G	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/8/1974	8/8/1974	12/31/1999	5/20/2005	6/24/2000			TRUE	TRUE	TRUE					
32672	SR500562	55G	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/2/1974	8/2/1974	12/31/1999	2/5/2004	6/24/2000			TRUE	TRUE	TRUE					
32673	SR500563	55G	EMPLACED_CNTR	4/1/2005	4/29/2011 8:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/16/1974	8/16/1974	12/31/1999	1/6/2004	6/24/2000			TRUE	TRUE	TRUE					
32674	SR500564	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/8/1974	11/15/2007	12/31/1999	11/15/2007	6/24/2000			TRUE	TRUE	TRUE					
32675	SR500565	55G	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/16/1974	8/16/1974	12/31/1999	1/2/2004	6/24/2000			TRUE	TRUE	TRUE					
32676	SR500566	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/2/1974	1/31/2004	1/20/2000	1/31/2004	7/14/2000			TRUE	TRUE	TRUE					
32677	SR500567	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/2/1974	8/2/1974	1/19/2000	12/29/2003	7/13/2000			TRUE	TRUE	TRUE					
32678	SR500568	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/8/1974	3/26/2008	1/26/2000	3/26/2008	7/20/2000			TRUE	TRUE	TRUE					
32679	SR500569	55G	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/16/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32680	SR500570	55G	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974		2/1/2004				TRUE	TRUE	TRUE					
32681	SR500571	55G	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974		1/4/2004				TRUE	TRUE	TRUE					
32682	SR500572	55G	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974	1/26/2000	10/30/2003	7/20/2000			TRUE	TRUE	TRUE					
32683	SR500573	55G	EMPLACED_CNTR	7/22/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/30/1974	6/16/2004	12/31/1999	6/16/2004	6/24/2000			TRUE	TRUE	TRUE					
32684	SR500574	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974	12/31/1999	2/11/2004	6/24/2000			TRUE	TRUE	TRUE					
32685	SR500575	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/23/1974	1/23/2004	1/20/2000	1/23/2004	7/14/2000			TRUE	TRUE	TRUE					
32686	SR500576	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/30/1974	6/25/2004	12/31/1999	6/25/2004	6/24/2000			TRUE	TRUE	TRUE					
32687	SR500577	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/30/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32688	SR500578	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/30/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32689	SR500579	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974	1/18/2000	10/28/2003	7/12/2000			TRUE	TRUE	TRUE					
32690	SR500580	55G	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/23/1974	8/23/1974	1/20/2000	10/29/2003	7/14/2000			TRUE	TRUE	TRUE					
32691	SR500581	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/30/1974	11/7/2006		11/7/2006				TRUE	TRUE	TRUE					
32692	SR500581A	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1		11/7/2006		11/7/2006											
32693	SR500582	55G	EMPLACED_CNTR	5/29/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/13/1974	9/13/1974	12/31/1999	2/14/2004	6/24/2000			TRUE	TRUE	TRUE					
32694	SR500583	55G	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/23/1974	8/23/1974	12/31/1999	2/4/2004	6/24/2000			TRUE	TRUE	TRUE					
32695	SR500584	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974	1/24/2000	10/29/2003	7/18/2000			TRUE	TRUE	TRUE					
32696	SR500585	55G	EMPLACED_CNTR	8/14/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/30/1974	8/30/1974	1/24/2000	10/28/2003	7/18/2000			TRUE	TRUE	TRUE					
32697	SR500586	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/20/1974	9/20/1974	2/2/2000	10/27/2003	7/27/2000			TRUE	TRUE	TRUE					
32698	SR500587	55G	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/6/1974	9/6/1974	2/1/2000	10/28/2003	7/26/2000			TRUE	TRUE	TRUE					
32699	SR501001	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/13/1974	6/17/2004	2/1/2000	6/17/2004	7/26/2000			TRUE	TRUE	TRUE					
32700	SR501002	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/13/1974	9/13/1974	2/1/2000	10/27/2003	7/26/2000			TRUE	TRUE	TRUE					
32701	SR501003	55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/13/1974	11/6/2007		11/6/2007				TRUE	TRUE	TRUE					
32702	SR501004	55G	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/6/1974	9/6/1974		4/26/2007				TRUE	TRUE	TRUE					
32703	SR501005	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	9/6/1974	9/6/1974		4/26/2007				TRUE	TRUE	TRUE					
32704	SR501006	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/20/1974	10/22/2007		10/22/2007				TRUE	TRUE	TRUE					
32705	SR501006A	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	10/23/2007		10/22/2007		4/15/2008			TRUE	TRUE	TRUE					
32706	SR501007	55G	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/13/1974	9/13/1974	2/16/2000	6/25/2004	8/10/2000			TRUE	TRUE	TRUE					
32707	SR501008	55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	11/15/1974	11/15/1974		1/17/2004				TRUE	TRUE	TRUE					
32708	SR501009	55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/1/1974	4/12/2004	3/17/1999	4/12/2004	9/9/1999			TRUE	TRUE	TRUE					
32709	SR501010	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	11/8/1974	11/8/1974		1/7/2004				TRUE	TRUE	TRUE					
32710	SR501011	55G	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	12/6/1974	12/6/1974		5/1/2007				TRUE	TRUE	TRUE					
32711	SR501012	55G	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/22/1974	3/7/2003	3/24/1999	3/7/2003	9/16/1999			TRUE	TRUE	TRUE					
32712	SR501013	55G	EMPLACED_CNTR	12/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/22/1974	6/20/2004	12/31/1999	6/20/2004	6/24/2000			TRUE	TRUE	TRUE					
32713	SR501015	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/17/1974	4/14/2003	4/5/1999	4/14/2003	9/28/1999			TRUE	TRUE	TRUE					
32714	SR501016	55G	EMPLACED_CNTR	8/26/2006	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/31/1975	1/31/1975	12/31/1999	7/10/2005	6/24/2000			TRUE	TRUE	TRUE					
32715	SR501017	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/24/1975	6/19/2003	5/17/1999	6/19/2003	11/9/1999			TRUE	TRUE	TRUE					
32716	SR501018	55G	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/10/1975	9/8/2003	12/31/1999	9/8/2003	6/24/2000			TRUE	TRUE	TRUE					
32717	SR501019	55G	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/31/1975	1/31/1975		5/28/2008				TRUE	TRUE	TRUE					
32718	SR501020	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/10/1975	1/10/1975	12/31/1999	9/23/2003	6/24/2000			TRUE	TRUE	TRUE					
32719	SR501021	55G			4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	12/17/1974		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
32720	SR501022	55G	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	12/17/1974		4/5/1999		9/28/1999			TRUE	TRUE	TRUE					
32721	SR501023	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	11/22/1974	11/22/1974		4/28/2007				TRUE	TRUE	TRUE					
32722	SR501024	55G	EMPLACED_CNTR	4/19/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/22/1974	4/3/2003	4/19/1999	4/3/2003	10/12/1999			TRUE	TRUE	TRUE					
32723	SR501025	55G	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	11/1/1974		4/15/1999		10/8/1999			TRUE	TRUE	TRUE					
32724	SR501027	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/24/1975	7/15/2003	4/6/1999	7/15/2003	9/29/1999			TRUE	TRUE	TRUE					
32725	SR501029	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	1/17/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32726	SR501030	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	1/17/1975		5/26/1999		11/18/1999			TRUE	TRUE	TRUE					
32727	SR501031	55G	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Lid Removal	0	1/31/1975	1/14/2003	12/31/1999	1/14/2003	6/24/2000			TRUE	TRUE	TRUE					
32728	SR501034	55G			4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	1/31/1975		4/12/1999		10/5/1999			TRUE	TRUE	TRUE					
32729	SR501035	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	1/31/1975		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
32730	SR501036	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/31/1975	11/26/2003	4/12/1999	11/26/2003	10/5/1999			TRUE	TRUE	TRUE					
32731	SR501037	55G	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	2/11/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32732	SR501038	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/31/1975	1/31/1975	12/31/1999	9/24/2003	6/24/2000			TRUE	TRUE	TRUE					
32733	SR501039	55G	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/31/1975	1/31/1975		3/29/2007				TRUE	TRUE	TRUE					
32734	SR501040	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/10/1975	1/10/1975	12/31/1999	9/13/2006	6/24/2000			TRUE	TRUE	TRUE					
32735	SR501041	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/17/1975	9/12/2003	4/5/1999	9/12/2003	9/28/1999			TRUE	TRUE	TRUE					
32736	SR501042	55G	EMPLACED_CNTR	8/18/2009	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/31/1975	1/31/1975		5/28/2008				TRUE	TRUE	TRUE					
32737	SR501043	55G	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/17/1975	1/17/1975		6/4/2008				TRUE	TRUE	TRUE					
32738	SR501044	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/17/1975	11/22/2006	4/12/1999	11/22/2006	10/5/1999			TRUE	TRUE	TRUE					
32739	SR501045	55G	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	1/10/1975		3/24/1999		9/16/1999			TRUE	TRUE	TRUE					
32740	SR501046	55G	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/10/1975	2/15/2007	12/31/1999	2/15/2007	6/24/2000			TRUE	TRUE	TRUE					
32741	SR501046A	55G	EMPLACED_CNTR	11/2/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/15/2007		2/15/2007		8/10/2007			TRUE	TRUE	TRUE					
32742	SR501047	55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/24/1975	6/25/2007		6/25/2007				TRUE	TRUE	TRUE					
32743	SR501048	55G	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/20/1974	7/8/2003	5/11/1999	7/8/2003	11/3/1999			TRUE	TRUE	TRUE					
32744	SR501049	55G	EMPLACED_CNTR	10/30/2010 10:38	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/24/1975	1/24/1975		6/4/2008				TRUE	TRUE	TRUE					
32745	SR501050	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Lid Removal	0	1/17/1975	1/13/2003	12/31/1999	1/13/2003	6/24/2000			TRUE	TRUE	TRUE					
32746	SR501051	55G	EMPLACED_CNTR	4/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1975	7/25/2003	5/17/1999	7/25/2003	11/9/1999			TRUE	TRUE	TRUE					
32747	SR501052	55G	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/20/1974	9/19/2007		9/19/2007				TRUE	TRUE	TRUE					
32748	SR501055	55G	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	2/10/1975		3/31/1999		9/23/1999			TRUE	TRUE	TRUE					
32749	SR501056	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	2/11/1975		5/26/1999		11/18/1999			TRUE	TRUE	TRUE					
32750	SR501058	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/13/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
32751	SR501059	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/13/1974	11/28/2004	12/31/1999	11/28/2004	6/24/2000			TRUE	TRUE	TRUE					
32752	SR501060	55G	EMPLACED_CNTR	3/7/2007	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/20/1974	6/17/2004	12/31/1999	6/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32753	SR501061	55G	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	10/1/1974	6/17/2004	12/31/1999	6/17/2004	6/24/2000			TRUE	TRUE	TRUE					
32754	SR501062	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/27/1974	10/22/2007		10/22/2007				TRUE	TRUE	TRUE					
32755	SR501062A	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Upd1	SR-W027-FB-PRE86-C	SS300		0	10/23/2007		10/21/2007		4/15/2008			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32756	SR501063	SSG	EMPLACED_CNTR	8/29/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	10/18/1974	10/18/1974			2/1/2004			TRUE	TRUE	TRUE					
32757	SR501064	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	9/27/1974	6/25/2004	2/2/2000	6/25/2004	7/27/2000			TRUE	TRUE	TRUE					
32758	SR501065	SSG	EMPLACED_CNTR	5/25/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	9/20/1974	6/24/2004	12/31/1999	6/24/2004	6/24/2000			TRUE	TRUE	TRUE					
32759	SR501066	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	10/18/1974		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
32760	SR501067	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	10/18/1974		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
32761	SR501068	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	10/11/1974		4/15/1999		10/12/1999			TRUE	TRUE	TRUE					
32762	SR501069	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	10/11/1974	3/27/2006	2/1/2000	3/27/2006	7/26/2000			TRUE	TRUE	TRUE					
32763	SR501070	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	9/20/1974	9/20/1974	12/31/1999	1/5/2004	6/24/2000			TRUE	TRUE	TRUE					
32764	SR501071	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	9/27/1974	9/27/1974	12/31/1999	8/11/2006	6/24/2000			TRUE	TRUE	TRUE					
32765	SR501072	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	9/20/1974	9/20/1974	1/24/2000	10/29/2003	7/18/2000			TRUE	TRUE	TRUE					
32766	SR501073	SSG	EMPLACED_CNTR	1/7/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	9/27/1974	2/3/2004	1/20/2000	2/3/2004	7/14/2000			TRUE	TRUE	TRUE					
32767	SR501074	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	9/27/1974	9/27/1974	1/25/2000	10/30/2003	7/19/2000			TRUE	TRUE	TRUE					
32768	SR501075	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	10/18/1974	10/18/1974	1/24/2000	10/29/2003	7/18/2000			TRUE	TRUE	TRUE					
32769	SR501076	SSG	EMPLACED_CNTR	10/6/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	10/11/1974	10/11/1974	7/1/1999	1/17/2004	12/24/1999			TRUE	TRUE	TRUE					
32770	SR501077	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	10/18/1974	4/24/2004		4/24/2004				TRUE	TRUE	TRUE					
32771	SR501078	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	9/27/1974	11/27/2007		11/27/2007				TRUE	TRUE	TRUE					
32772	SR501078A	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/27/2007		11/27/2007		5/21/2008			TRUE	TRUE	TRUE					
32773	SR501079	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	10/25/1974	10/25/1974		5/10/2004				TRUE	TRUE	TRUE					
32774	SR501080	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	10/11/1974		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32775	SR501084	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/1/1974		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
32776	SR501085	SSG	EMPLACED_CNTR	8/10/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/1/1974		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32777	SR501086	SSG	EMPLACED_CNTR	8/8/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	11/1/1974	11/1/1974		5/10/2004				TRUE	TRUE	TRUE					
32778	SR501087	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	12/17/1974	10/2/2007		10/2/2007				TRUE	TRUE	TRUE					
32779	SR501088	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	11/8/1974	11/8/1974		1/8/2004				TRUE	TRUE	TRUE					
32780	SR501089	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	11/22/1974	11/22/1974	12/31/1999	10/2/2003	6/24/2000			TRUE	TRUE	TRUE					
32781	SR501090	SSG	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	12/17/1974		11/2/1999		4/26/2000			TRUE	TRUE	TRUE					
32782	SR501091	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	12/6/1974	2/3/2004	12/6/1999	2/3/2004	5/30/2000			TRUE	TRUE	TRUE					
32783	SR501092	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/1/1974		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32784	SR501093	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	10/25/1974	5/8/2004		5/8/2004				TRUE	TRUE	TRUE					
32785	SR501094	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	12/17/1974		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32786	SR501095	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	12/17/1974	10/20/2006	12/31/1999	10/20/2006	6/24/2000			TRUE	TRUE	TRUE					
32787	SR501096	SSG	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	12/17/1974	12/17/1974	3/31/1999	9/17/2004	9/23/1999			TRUE	TRUE	TRUE					
32788	SR501097	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	11/15/1974	11/15/1974		1/5/2004				TRUE	TRUE	TRUE					
32789	SR501098	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	12/17/1974		4/12/1999		10/5/1999			TRUE	TRUE	TRUE					
32790	SR501099	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	12/17/1974		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32791	SR501100	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	12/6/1974	9/19/2007		9/19/2007				TRUE	TRUE	TRUE					
32792	SR501701	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		2/21/1995		8/16/1995			TRUE	TRUE	TRUE					
32793	SR501702	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
32794	SR501703	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32795	SR501704	SSG	EMPLACED_CNTR	11/7/2002	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		3/11/1999		9/3/1999			TRUE	TRUE	TRUE					
32796	SR501705	SSG	EMPLACED_CNTR	7/25/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		11/8/1999		5/2/2000			TRUE	TRUE	TRUE					
32797	SR501706	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	11/26/1975	6/26/2003	3/11/1999	6/26/2003	9/3/1999			TRUE	TRUE	TRUE					
32798	SR501707	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	11/26/1975		3/15/1999		9/7/1999			TRUE	TRUE	TRUE					
32799	SR501708	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	11/26/1975	5/11/2004	2/21/1995	5/11/2004	8/16/1995			TRUE	TRUE	TRUE					
32800	SR501708A	SSG	EMPLACED_CNTR	11/18/2010 11:28	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	0		11/30/2009		11/30/2009				TRUE	TRUE	TRUE					
32801	SR501709	SSG	EMPLACED_CNTR	11/15/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	11/26/1975	11/26/1975		8/1/2005				FALSE	TRUE	TRUE					
32802	SR501710	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/5/1976		3/11/1999		9/3/1999			FALSE	TRUE	TRUE					
32803	SR501711	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	4/8/1976	5/18/2007		5/18/2007				TRUE	TRUE	TRUE					
32804	SR501711A	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	5/18/2007		5/18/2007		11/10/2007			FALSE	TRUE	TRUE					
32805	SR501712	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/8/1976	7/29/2003	2/23/1995	7/29/2003	8/18/1995			FALSE	TRUE	TRUE					
32806	SR501713	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/8/1976	3/7/2004	2/23/1995	3/7/2004	8/18/1995			FALSE	TRUE	TRUE					
32807	SR501714	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/8/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32808	SR501715	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/8/1976	12/23/2003	3/1/1995	12/23/2003	8/24/1995			FALSE	TRUE	TRUE					
32809	SR501716	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/8/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32810	SR501717	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/8/1976		2/21/1995		8/16/1995			FALSE	TRUE	TRUE					
32811	SR501718	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/8/1976	5/13/2003	3/29/1999	5/13/2003	9/15/1999			FALSE	TRUE	TRUE					
32812	SR501719	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/15/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32813	SR501720	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/15/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32814	SR501721	SSG	EMPLACED_CNTR	11/7/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/4/1976	1/19/2006	3/9/1999	1/19/2006	9/1/1999			FALSE	TRUE	TRUE					
32815	SR501722	SSG	EMPLACED_CNTR	8/28/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/4/1976	3/4/1976		11/2/2007				FALSE	TRUE	TRUE					
32816	SR501723	SSG	EMPLACED_CNTR	7/12/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/26/1976	3/13/2008		3/13/2008				TRUE	TRUE	TRUE					
32817	SR501723A	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/13/2008		3/13/2008		9/5/2008			FALSE	TRUE	TRUE					
32818	SR501724	SSG	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	1/15/1976	1/15/1976	12/31/1999	2/22/2004	6/24/2000			FALSE	TRUE	TRUE					
32819	SR501725	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/22/1976	1/22/1976		11/29/2006				FALSE	TRUE	TRUE					
32820	SR501726	SSG	EMPLACED_CNTR	11/13/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/22/1976	1/22/1976		5/12/2006				FALSE	TRUE	TRUE					
32821	SR501727	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/23/1976	1/22/1976		11/29/2006				FALSE	TRUE	TRUE					
32822	SR501728	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/29/1976	1/29/1976		11/20/2006				FALSE	TRUE	TRUE					
32823	SR501729	SSG	EMPLACED_CNTR	4/8/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/29/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32824	SR501730	SSG	EMPLACED_CNTR	7/26/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/5/1976	3/20/2008		3/20/2008				TRUE	TRUE	TRUE					
32825	SR501730A	SSG	EMPLACED_CNTR	8/8/2012 14:42	12/15/2011 9:38	encabled	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/20/2008	12/9/2011	3/20/2008	12/9/2011				FALSE	TRUE	TRUE					
32826	SR501731	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	2/5/1976	2/5/1976		4/17/2006				FALSE	TRUE	TRUE					
32827	SR501732	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/5/1976	3/13/2008		3/13/2008				TRUE	TRUE	TRUE					
32828	SR501732A	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/13/2008		3/13/2008		9/5/2008			FALSE	TRUE	TRUE					
32829	SR501733	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/5/1976	6/1/2004	12/31/1999	6/1/2004	6/24/2000			FALSE	TRUE	TRUE					
32830	SR501734	SSG	EMPLACED_CNTR		4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	2/12/1976		2/23/1995		8/18/1995			FALSE	TRUE	TRUE					
32831	SR501735	SSG	EMPLACED_CNTR	4/14/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	2/12/1976	2/12/1976		9/1/2006				FALSE	TRUE	TRUE					
32832	SR501736	SSG	EMPLACED_CNTR	3/3/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/12/1976	3/22/2006		3/22/2006											
32833	SR501736A	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	remediate	1		3/23/2006		3/23/2006				FALSE	TRUE	TRUE					
32834	SR501737	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	2/12/1976	2/12/1976		8/7/2005				FALSE	TRUE	TRUE					
32835	SR501738	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	2/12/1976	2/12/1976		7/23/2005				FALSE	TRUE	TRUE					
32836	SR501739	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/19/1976	3/20/2008		3/20/2008				FALSE	TRUE	TRUE					
32837	SR501740	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	2/19/1976	10/6/2003	2/28/1995	10/6/2003	8/23/1995			FALSE	TRUE	TRUE					
32838	SR501741	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	LM Removal	0	2/19/1976	8/14/2003	12/31/1999	8/14/2003	6/24/2000			FALSE	TRUE	TRUE					
32839	SR501742	SSG	EMPLACED_CNTR	3/28/2008	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	2/20/1976	2/20/1976		8/1/2005				FALSE	TRUE	TRUE					
32840	SR501743	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/4/1976		3/10/1999		9/7/1999			FALSE	TRUE	TRUE					
32841	SR501744	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/4/1976		2/23/1995		8/16/1995			FALSE	TRUE	TRUE					
32842	SR501745	SSG	EMPLACED_CNTR	4/13/2006	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/11/1976	3/11/1976		11/2/2007				FALSE	TRUE	TRUE					
32843	SR501746	SSG	EMPLACED_CNTR	11/30/2001	4/28/2011 6:00	WWS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/11/1976		3/10/1999		9/7/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32844	SR501747	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1976	3/23/2006	3/1/1995	3/23/2006	8/24/1995			FALSE	TRUE	TRUE					
32845	SR501748	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/25/1976	3/25/1976		2/10/2007				FALSE	TRUE	TRUE					
32846	SR501749	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32847	SR501750	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/25/1976	3/25/1976	3/16/1999	2/12/2005	9/8/1999			FALSE	TRUE	TRUE					
32848	SR501751	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32849	SR501752	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1976		2/21/1995		8/16/1995			FALSE	TRUE	TRUE					
32850	SR501753	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/2/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
32851	SR501754	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1976	10/8/2003	3/10/1999	10/8/2003	9/2/1999			FALSE	TRUE	TRUE					
32852	SR501755	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1976	6/27/2003	2/22/1995	6/27/2003	8/17/1995			FALSE	TRUE	TRUE					
32853	SR501756	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1976		2/22/1995		8/17/1995			FALSE	TRUE	TRUE					
32854	SR501757	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/18/1976	11/26/2006	12/31/1999	11/26/2006	6/24/2000			FALSE	TRUE	TRUE					
32855	SR501758	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
32856	SR501759	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32857	SR501760	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32858	SR501761	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/2/1976	4/2/1976		2/5/2007				FALSE	TRUE	TRUE					
32859	SR501762	SSG	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/15/1976		3/15/1999		9/7/1999			FALSE	TRUE	TRUE					
32860	SR501763	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/15/1976		3/15/1999		9/15/1999			FALSE	TRUE	TRUE					
32861	SR501764	SSG	EMPLACED_CNTR	5/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/8/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
32862	SR501765	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/15/1976	11/12/2003	3/15/1999	11/12/2003	9/7/1999			FALSE	TRUE	TRUE					
32863	SR501766	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/2/1976	5/14/2007		5/14/2007				TRUE	TRUE	TRUE					
32864	SR501766A	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/14/2007		5/14/2007		11/6/2007			FALSE	TRUE	TRUE					
32865	SR501767	SSG	EMPLACED_CNTR	10/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		3/11/1999		9/3/1999			FALSE	TRUE	TRUE					
32866	SR501768	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		3/10/1999		9/1/1999			FALSE	TRUE	TRUE					
32867	SR501769	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/5/1976	5/9/2007		5/9/2007				FALSE	TRUE	TRUE					
32868	SR501770	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/5/1976	9/12/2003	3/1/1995	9/12/2003	8/24/1995			FALSE	TRUE	TRUE					
32869	SR501771	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/6/1976	11/12/2006		11/12/2006				FALSE	TRUE	TRUE					
32870	SR501772	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/6/1976		3/10/1999		9/2/1999			FALSE	TRUE	TRUE					
32871	SR501773	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/6/1976	6/30/2003	2/28/1995	6/30/2003	8/23/1995			FALSE	TRUE	TRUE					
32872	SR501774	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/6/1976		3/11/1999		9/2/1999			FALSE	TRUE	TRUE					
32873	SR501775	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/6/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32874	SR501776	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/5/1976		11/9/1999		5/3/2000			FALSE	TRUE	TRUE					
32875	SR501778	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/11/1976	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
32876	SR501778A	SSG	EMPLACED_CNTR	10/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/14/2008		3/14/2008		9/8/2008			FALSE	TRUE	TRUE					
32877	SR501779	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/2/1976	3/27/2006	3/17/1999	3/27/2006	9/9/1999			FALSE	TRUE	TRUE					
32878	SR501780	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Lid Removal	0	1/5/1976	1/14/2003	12/31/1999	1/14/2003	6/24/2000			FALSE	TRUE	TRUE					
32879	SR501781	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		3/10/1999		9/2/1999	ORIGNAL NUMBER WAS SR501981		FALSE	TRUE	TRUE					
32880	SR501782	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32881	SR501783	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32882	SR501784	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		2/28/1995		8/23/1995			FALSE	TRUE	TRUE					
32883	SR501785	SSG	EMPLACED_CNTR	6/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/5/1976		3/10/1999		9/2/1999			TRUE	TRUE	TRUE					
32884	SR501786	SSG	EMPLACED_CNTR	8/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	12/11/1975	12/11/1975		10/14/2004				TRUE	TRUE	TRUE					
32885	SR501787	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/11/1975		3/1/1995		8/24/1995			TRUE	TRUE	TRUE					
32886	SR501788	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/11/1975	3/4/2006	3/1/1995	3/4/2006	8/24/1995			TRUE	TRUE	TRUE					
32887	SR501789	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/11/1975		3/10/1999		9/2/1999			FALSE	TRUE	TRUE					
32888	SR501790	SSG	EMPLACED_CNTR	6/20/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/15/1976		3/1/1995		8/24/1995			FALSE	TRUE	TRUE					
32889	SR501791	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/15/1976	1/7/2004	3/1/1995	1/7/2004	8/24/1995										
32890	SR501791A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		1/7/2004		1/7/2004				TRUE	TRUE	TRUE					
32891	SR501792	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/18/1975		3/1/1995		8/24/1995			TRUE	TRUE	TRUE					
32892	SR501793	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/18/1975		3/1/1995		8/24/1995			TRUE	TRUE	TRUE					
32893	SR501794	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/18/1975		2/23/1995		8/18/1995			TRUE	TRUE	TRUE					
32894	SR501795	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/18/1975		3/10/1999		9/2/1999			TRUE	TRUE	TRUE					
32895	SR501796	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/18/1975	11/11/2006	3/1/1995	11/11/2006	8/24/1995			TRUE	TRUE	TRUE					
32896	SR501797	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/18/1975	6/25/2003	2/28/1995	6/25/2003	8/23/1995			FALSE	TRUE	TRUE					
32897	SR501798	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/15/1976	6/25/2004	12/31/1999	6/25/2004	6/24/2000			TRUE	TRUE	TRUE					
32898	SR501799	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/18/1975	11/27/2006		11/27/2006											
32899	SR501799A	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		11/27/2006		11/27/2006				TRUE	TRUE	TRUE					
32900	SR501800	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/18/1975	10/15/2003	2/28/1995	10/15/2003	8/23/1995			TRUE	TRUE	TRUE					
32901	SR501901	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/27/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
32902	SR501902	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/24/1975	3/24/2006	12/31/1999	3/24/2006	6/24/2000										
32903	SR501902A	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	remediate	1		3/24/2006		3/24/2006				TRUE	TRUE	TRUE					
32904	SR501903	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/24/1975	10/9/2007		10/9/2007				TRUE	TRUE	TRUE					
32905	SR501904	SSG	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/20/1975	10/11/2003	4/21/1999	10/11/2003	10/14/1999			TRUE	TRUE	TRUE					
32906	SR501905	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1975	7/18/2003	4/5/1999	7/18/2003	9/28/1999			TRUE	TRUE	TRUE					
32907	SR501906	SSG	EMPLACED_CNTR	2/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1975	4/14/2003	4/6/1999	4/14/2003	9/29/1999			TRUE	TRUE	TRUE					
32908	SR501907	SSG	EMPLACED_CNTR	7/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/27/1975	3/6/2008	12/31/1999	3/6/2008	6/24/2000			TRUE	TRUE	TRUE					
32909	SR501908	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1975	9/19/2007		9/19/2007				TRUE	TRUE	TRUE					
32910	SR501909	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1975	5/15/2003	4/5/1999	5/15/2003	9/28/1999			TRUE	TRUE	TRUE					
32911	SR501910	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/11/1975		5/18/1999		11/10/1999			TRUE	TRUE	TRUE					
32912	SR501911	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/10/1975		4/6/1999		9/29/1999			TRUE	TRUE	TRUE					
32913	SR501912	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1975	7/17/2008		7/17/2008				TRUE	TRUE	TRUE					
32914	SR501912A	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/17/2008		7/17/2008		1/9/2009			TRUE	TRUE	TRUE					
32915	SR501913	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/27/1975		4/23/1999		10/14/1999			TRUE	TRUE	TRUE					
32916	SR501914	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32917	SR501915	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/11/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
32918	SR501916	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/27/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32919	SR501917	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	2/10/1975	2/10/1975		5/28/2008				TRUE	TRUE	TRUE					
32920	SR501918	SSG	EMPLACED_CNTR	5/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1975	8/12/2008		8/12/2008				TRUE	TRUE	TRUE					
32921	SR501918A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/24/2008		7/24/2008		1/16/2009			TRUE	TRUE	TRUE					
32922	SR501919	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1975	9/1/2007		9/1/2007				TRUE	TRUE	TRUE					
32923	SR501920	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1975	10/3/2003	5/11/1999	10/3/2003	11/3/1999			TRUE	TRUE	TRUE					
32924	SR501921	SSG	EMPLACED_CNTR	5/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32925	SR501922	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/20/1975	2/20/1975	12/31/1999	1/15/2004	6/24/2000			TRUE	TRUE	TRUE					
32926	SR501923	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32927	SR501924	SSG	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
32928	SR501925	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/8/1975	3/20/2008		3/20/2008				TRUE	TRUE	TRUE					
32929	SR501926	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1975	4/5/2008		3/5/2008				TRUE	TRUE	TRUE					
32930	SR501926A	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/5/2008		3/5/2008		8/28/2008			TRUE	TRUE	TRUE					
32931	SR501927	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/24/1975	4/19/2007	12/31/1999	4/19/2007	6/24/2000										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
32912	SR501978	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32913	SR501929	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	2/27/1975	2/27/1975		11/9/2007				TRUE	TRUE	TRUE					
32914	SR501930	SSG	EMPLACED_CNTR	8/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/30/1975	4/13/2004	3/22/1999	4/13/2004	9/14/1999			TRUE	TRUE	TRUE					
32915	SR501931	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	4/24/1975	4/24/1975		7/27/2007				TRUE	TRUE	TRUE					
32916	SR501932	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	2/27/1975	2/27/1975		11/9/2007				TRUE	TRUE	TRUE					
32917	SR501933	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/24/1975	12/18/2003	12/31/1999	12/15/2003	6/24/2000			TRUE	TRUE	TRUE					
32918	SR501934	SSG	EMPLACED_CNTR	3/4/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/27/1975	1/12/2004	12/31/1999	1/12/2004	6/24/2000			TRUE	TRUE	TRUE					
32919	SR501935	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/27/1975	3/26/2004	3/17/1999	3/26/2004	9/9/1999			TRUE	TRUE	TRUE					
32940	SR501936	SSG	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/27/1975	3/23/2003	4/21/1999	3/23/2003	10/14/1999			TRUE	TRUE	TRUE					
32941	SR501937	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	3/29/1975	3/29/1975		4/1/2007				TRUE	TRUE	TRUE					
32942	SR501938	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/8/1975	7/25/2003	6/29/1999	7/25/2003	12/22/1999			TRUE	TRUE	TRUE					
32943	SR501939	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/28/1975		11/9/1999		5/3/2000			TRUE	TRUE	TRUE					
32944	SR501940	SSG	EMPLACED_CNTR	6/27/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
32945	SR501941	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/27/1975	4/30/2006	7/22/1995	4/30/2006	8/17/1995			TRUE	TRUE	TRUE					
32946	SR501942	SSG	EMPLACED_CNTR	7/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32947	SR501943	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		2/23/1995		8/18/1995			TRUE	TRUE	TRUE					
32948	SR501944	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1975	9/11/2003	3/2/1995	9/11/2003	8/25/1995			TRUE	TRUE	TRUE					
32949	SR501945	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		2/23/1995		8/18/1995			TRUE	TRUE	TRUE					
32950	SR501946	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/29/1975		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
32951	SR501947	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1975	5/7/2003	4/21/1999	5/7/2003	10/14/1999			TRUE	TRUE	TRUE					
32952	SR501948	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1975		2/22/1995		8/17/1995			TRUE	TRUE	TRUE					
32953	SR501950	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1975	4/15/2003	3/22/1999	4/15/2003	9/14/1999			TRUE	TRUE	TRUE					
32954	SR501951	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		6/30/1999		12/23/1999			TRUE	TRUE	TRUE					
32955	SR501952	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		11/1/1999		4/25/2000			TRUE	TRUE	TRUE					
32956	SR501953	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32957	SR501954	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/21/1975	1/13/2004	12/31/1999	1/13/2004	6/24/2000			TRUE	TRUE	TRUE					
32958	SR501954A	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	4/21/1975	4/21/1975		11/10/2006				TRUE	TRUE	TRUE					
32959	SR501955	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		4/13/1999		10/6/1999			TRUE	TRUE	TRUE					
32960	SR501956	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		5/11/1999		11/3/1999			TRUE	TRUE	TRUE					
32961	SR501957	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/1/1975	2/4/2004	3/7/1995	2/4/2004	8/30/1995			TRUE	TRUE	TRUE					
32962	SR501958	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/29/1975	7/16/2003	3/23/1999	7/16/2003	9/15/1999			TRUE	TRUE	TRUE					
32963	SR501959	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
32964	SR501960	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	3/28/1975	3/28/1975	3/23/1999	9/19/2007	9/15/1999			TRUE	TRUE	TRUE					
32965	SR501961	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/28/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32966	SR501962	SSG	EMPLACED_CNTR	6/13/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		2/22/1995		8/17/1995			TRUE	TRUE	TRUE					
32967	SR501963	SSG	EMPLACED_CNTR	11/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/24/1975	1/7/2004	2/23/1995	1/7/2004	8/18/1995			TRUE	TRUE	TRUE					
32968	SR501964	SSG	EMPLACED_CNTR	12/12/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/8/1975	8/6/2003	6/29/1999	8/6/2003	12/22/1999			TRUE	TRUE	TRUE					
32969	SR501965	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/21/1975	10/5/2003	5/11/1999	10/5/2003	11/3/1999			TRUE	TRUE	TRUE					
32970	SR501966	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32971	SR501967	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	3/27/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32972	SR501968	SSG	EMPLACED_CNTR	4/15/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Lid Removal	0	4/21/1975	8/14/2003	3/3/1995	8/14/2003	8/26/1995			TRUE	TRUE	TRUE					
32973	SR501969	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/21/1975		12/2/1999		5/26/2000			TRUE	TRUE	TRUE					
32974	SR501976	SSG	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/21/1975	10/17/2007		10/17/2007				TRUE	TRUE	TRUE					
32975	SR501976A	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	10/17/2007		10/17/2007		4/10/2008			TRUE	TRUE	TRUE					
32976	SR501978	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/8/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32977	SR501979	SSG	EMPLACED_CNTR	12/16/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/1/1975		3/3/1995		8/26/1995			TRUE	TRUE	TRUE					
32978	SR501980	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/1/1975	8/6/2004	2/23/1995	8/6/2004	8/18/1995			TRUE	TRUE	TRUE					
32979	SR501982	SSG	EMPLACED_CNTR	10/23/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		3/2/1995		8/25/1995			TRUE	TRUE	TRUE					
32980	SR501983	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/8/1975		6/29/1999		12/22/1999			TRUE	TRUE	TRUE					
32981	SR501984	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/8/1975	8/8/2003	6/30/1999	8/8/2003	12/23/1999			TRUE	TRUE	TRUE					
32982	SR501985	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/8/1975		6/30/1999		12/23/1999			TRUE	TRUE	TRUE					
32983	SR501986	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/8/1975	5/15/2003	6/30/1999	5/15/2003	12/23/1999			TRUE	TRUE	TRUE					
32984	SR501987	SSG	EMPLACED_CNTR	11/21/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/1/1975		3/3/1995		8/26/1995			TRUE	TRUE	TRUE					
32985	SR501988	SSG	EMPLACED_CNTR	6/11/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/24/1975		3/3/1995		8/26/1995			TRUE	TRUE	TRUE					
32986	SR501989	SSG	EMPLACED_CNTR	6/9/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/8/1975	1/18/2007	6/29/1999	1/18/2007	12/22/1999			TRUE	TRUE	TRUE					
32987	SR501993	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	5/15/1975	8/29/2007		8/29/2007				TRUE	TRUE	TRUE					
32988	SR501993A	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	8/29/2007		8/29/2007		2/21/2008			TRUE	TRUE	TRUE					
32989	SR501994	SSG	EMPLACED_CNTR	11/17/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/8/1975		3/22/1999		9/14/1999			TRUE	TRUE	TRUE					
32990	SR501995	SSG	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/15/1975		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
32991	SR501996	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/22/1975		7/1/1999		12/24/1999			TRUE	TRUE	TRUE					
32992	SR501997	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	7/31/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
32993	SR501999	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	5/15/1975		3/21/1995		8/16/1995			TRUE	TRUE	TRUE					
32994	SR502170	SSG	EMPLACED_CNTR	4/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/18/1975	10/15/2007		10/15/2007				TRUE	TRUE	TRUE					
32995	SR502200	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/19/1975	6/11/2007		6/11/2007				TRUE	TRUE	TRUE					
32996	SR502994	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/7/1974	3/31/2008		3/31/2008				TRUE	TRUE	TRUE					
32997	SR502995	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/15/1974	3/17/2008		3/17/2008				TRUE	TRUE	TRUE					
32998	SR502996Y	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/28/1974	4/1/2008	12/31/1999	4/1/2008	6/24/2000			TRUE	TRUE	TRUE					
32999	SR502996Z	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	1/28/1974	6/2/2008	12/31/1999	6/2/2008	6/24/2000			TRUE	TRUE	TRUE					
33000	SR502996ZA	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	1/28/1974		3/13/2008		9/5/2008			TRUE	TRUE	TRUE					
33001	SR502997Y	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1974	3/13/2008	12/31/1999	3/13/2008	6/24/2000			TRUE	TRUE	TRUE					
33002	SR502997Z	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/6/1974	3/31/2008	12/31/1999	3/31/2008	6/24/2000			TRUE	TRUE	TRUE					
33003	SR502998Y	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/4/1974	3/27/2008	12/31/1999	3/27/2008	6/24/2000			TRUE	TRUE	TRUE					
33004	SR502998Z	SSG	EMPLACED_CNTR	9/26/2011 23:42	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	0	2/4/1974	7/22/2010	12/31/1999	7/22/2010	6/24/2000			TRUE	TRUE	TRUE					
33005	SR503000Y	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/19/1974	3/27/2008	12/31/1999	3/27/2008	6/24/2000			TRUE	TRUE	TRUE					
33006	SR503000Z	SSG	EMPLACED_CNTR	6/23/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/19/1974	10/9/2007	12/31/1999	10/9/2007	6/24/2000			TRUE	TRUE	TRUE					
33007	SR503004	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/20/1974	11/8/2007		11/8/2007				TRUE	TRUE	TRUE					
33008	SR503005	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	2/25/1974	2/25/1974		7/7/2007				TRUE	TRUE	TRUE					
33009	SR503006Y	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/14/1974	9/16/2008	12/31/1999	9/16/2008	6/24/2000			TRUE	TRUE	TRUE					
33010	SR503006YA	SSG	EMPLACED_CNTR	11/13/2009 9:44	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/16/2008		9/16/2008		3/11/2009			TRUE	TRUE	TRUE					
33011	SR503006Z	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/12/1974	10/16/2007	12/31/1999	10/16/2007	6/24/2000			TRUE	TRUE	TRUE					
33012	SR503007	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/22/1974	11/15/2007		11/15/2007				TRUE	TRUE	TRUE					
33013	SR503007A	SSG	EMPLACED_CNTR	2/14/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	11/15/2007		11/15/2007		5/9/2008			TRUE	TRUE	TRUE					
33014	SR503008Y	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	3/25/1974	3/25/1974	12/31/1999	7/14/2007	6/24/2000			TRUE	TRUE	TRUE					
33015	SR503008Z	SSG	EMPLACED_CNTR	4/16/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	3/25/1974	7/2/2008	12/31/1999	7/2/2008	6/24/2000			TRUE	TRUE	TRUE					
33016	SR503009	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/1/1974	7/21/2008		7/21/2008				TRUE	TRUE	TRUE					
33017	SR503009A	SSG	EMPLACED_CNTR	5/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	7/21/2008		7/21/2008		1/13/2009			TRUE	TRUE	TRUE					
33018	SR503010	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	4/19/1974	4/18/2008		4/18/2008				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33019	SR503011	SSG	EMPLACED_CNTR	11/15/2012 14:47	11/15/2011 10:46	mccabed	SR-W027-FB-PRE86-C	SS300	Remediation	0	4/17/1974	11/4/2011		11/4/2011		NoVent	- Rpkgd into SR503011A - Rpkgd into SR503011B - Rpkgd into SR503013C	TRUE	TRUE	TRUE					
33020	SR503011A	SSG	EMPLACED_CNTR	11/15/2012 14:47	11/15/2011 10:46	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	11/4/2011		11/4/2011				- Rpkgd was SR503011	TRUE	TRUE	TRUE			SR503011		Daughter
33021	SR503011B	SSG	EMPLACED_CNTR	11/15/2012 14:47	11/15/2011 10:46	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	11/4/2011		11/4/2011				- Rpkgd was SR503011	TRUE	TRUE	TRUE			SR503011		Daughter
33022	SR503011C	SSG	EMPLACED_CNTR	11/16/2012 10:11	11/15/2011 10:46	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	11/4/2011		11/4/2011				- Rpkgd was SR503011	TRUE	TRUE	TRUE			SR503011		Daughter
33023	SR503012Y	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/23/1974	7/18/2008	12/31/1999	7/18/2008	6/24/2000			TRUE	TRUE	TRUE					
33024	SR503012YA	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/18/2008		7/18/2008		1/10/2009			TRUE	TRUE	TRUE					
33025	SR503012Z	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/23/1974	7/17/2008	12/31/1999	7/17/2008	6/24/2000			TRUE	TRUE	TRUE					
33026	SR503013B	SSG	EMPLACED_CNTR	6/9/2012 10:09	8/23/2011 10:40	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	8/17/2011		8/17/2011				- Rpkgd was SR503013	TRUE	TRUE	TRUE			SR503013		Daughter
33027	SR503013C	SSG	EMPLACED_CNTR	6/9/2012 10:09	8/23/2011 10:40	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	8/17/2011		8/17/2011				- Rpkgd was SR503013	TRUE	TRUE	TRUE			SR503013		Daughter
33028	SR503013D	SSG	EMPLACED_CNTR	6/9/2012 10:09	8/23/2011 10:43	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	8/17/2011		8/17/2011				- Rpkgd was SR503013	TRUE	TRUE	TRUE			SR503013		Daughter
33029	SR503014Y	SSG	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/13/1974	2/27/2008	12/31/1999	2/27/2008	6/24/2000			TRUE	TRUE	TRUE					
33030	SR503014Z	SSG	EMPLACED_CNTR	8/19/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/13/1974	3/3/2008	12/31/1999	3/3/2008	6/24/2000			TRUE	TRUE	TRUE					
33031	SR503015Y	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/28/1974	3/10/2008	12/31/1999	3/10/2008	6/24/2000			TRUE	TRUE	TRUE					
33032	SR503015Z	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/28/1974	2/28/2008	12/31/1999	2/28/2008	6/24/2000			TRUE	TRUE	TRUE					
33033	SR503016	SSG	EMPLACED_CNTR	5/16/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/3/1974	8/18/2008		8/18/2008				TRUE	TRUE	TRUE					
33034	SR503016A	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/18/2008		8/18/2008		2/10/2009			TRUE	TRUE	TRUE					
33035	SR503017Y	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/4/1974	2/28/2008	12/31/1999	2/28/2008	6/24/2000			TRUE	TRUE	TRUE					
33036	SR503017Z	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/4/1974	3/3/2008	12/31/1999	3/3/2008	6/24/2000			TRUE	TRUE	TRUE					
33037	SR503018	SSG	EMPLACED_CNTR	2/16/2011 11:47	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	6/10/1974	2/17/2010		2/17/2010				TRUE	TRUE	TRUE					
33038	SR503018A	SSG	EMPLACED_CNTR	2/16/2011 11:51	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	2/17/2010		2/17/2010		8/12/2010			TRUE	TRUE	TRUE					
33039	SR503029	SSG	EMPLACED_CNTR	2/16/2011 11:51	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	6/13/1974	2/18/2010		2/18/2010				TRUE	TRUE	TRUE					
33040	SR503030	SSG	EMPLACED_CNTR	6/9/2012 13:47	4/4/2012 8:27	mccabed	SR-W027-FB-PRE86-C	SS300	Remediation	0	6/13/1974	3/23/2012		3/23/2012		NoVent	- Rpkgd into SR503030A	TRUE	TRUE	TRUE					
33041	SR503030A	SSG	EMPLACED_CNTR	9/21/2012 13:21	4/4/2012 8:22	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	3/23/2012		3/23/2012				- Rpkgd was SR503030	TRUE	TRUE	TRUE			SR503030		Daughter
33042	SR503031	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/19/1974	7/21/2008		7/21/2008				TRUE	TRUE	TRUE					
33043	SR503033	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/24/1974	6/24/1974	1/19/2000	10/28/2003	7/13/2000			TRUE	TRUE	TRUE					
33044	SR503034	SSG	EMPLACED_CNTR	6/13/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1974	6/19/2004	12/31/1999	6/19/2004	6/24/2000			TRUE	TRUE	TRUE					
33045	SR503035	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/12/1974	7/22/1974	12/31/1999	8/29/2006	6/24/2000			TRUE	TRUE	TRUE					
33046	SR503038	SSG	EMPLACED_CNTR	7/9/2008	4/29/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/21/1974	11/3/2007	1/25/2000	11/2/2007	7/19/2000			TRUE	TRUE	TRUE					
33047	SR503041	SSG	EMPLACED_CNTR	6/22/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/21/1974	6/21/1974	1/19/2000	10/24/2003	7/13/2000			TRUE	TRUE	TRUE					
33048	SR503050	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/28/1974	8/12/2008		8/12/2008				TRUE	TRUE	TRUE					
33049	SR503050A	SSG	EMPLACED_CNTR	6/27/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/12/2008		8/12/2008		2/4/2009			TRUE	TRUE	TRUE					
33050	SR503057	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/21/1974	6/25/2004	12/31/1999	6/25/2004	6/24/2000			TRUE	TRUE	TRUE					
33051	SR503401	SSG	EMPLACED_CNTR	8/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/15/1976	4/15/1976		2/7/2007				FALSE	TRUE	TRUE					
33052	SR503402	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/23/1976		3/7/1995		8/30/1995			FALSE	TRUE	TRUE					
33053	SR503403	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/23/1976	5/19/2004	3/7/1995	5/19/2004	8/30/1995			FALSE	TRUE	TRUE					
33054	SR503404	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/29/1976	4/27/2007	2/22/1995	4/27/2007	8/17/1995			FALSE	TRUE	TRUE					
33055	SR503404A	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/27/2007		4/27/2007		10/29/2007			TRUE	TRUE	TRUE					
33056	SR503405	SSG	EMPLACED_CNTR	11/4/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/29/1976	6/10/2008	2/21/1995	6/10/2008	8/16/1995			FALSE	TRUE	TRUE					
33057	SR503405A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/10/2008		6/10/2008		12/3/2008			TRUE	TRUE	TRUE					
33058	SR503406	SSG	EMPLACED_CNTR	8/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/29/1976	11/9/2006	6/29/1999	11/9/2006	12/22/1999			FALSE	TRUE	TRUE					
33059	SR503406A	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/9/2006		11/9/2006					TRUE	TRUE	TRUE					
33060	SR503407	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/29/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
33061	SR503408	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/29/1976		2/28/1995		8/13/1995			FALSE	TRUE	TRUE					
33062	SR503409	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/29/1976	4/29/1976		3/31/2008				FALSE	TRUE	TRUE					
33063	SR503410	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/18/1976	5/1/2007		5/1/2007				FALSE	TRUE	TRUE					
33064	SR503411	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	5/4/1976	5/4/1976		4/1/2008				FALSE	TRUE	TRUE					
33065	SR503412	SSG	EMPLACED_CNTR	7/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/4/1976	5/4/1976		3/31/2008				FALSE	TRUE	TRUE					
33066	SR503413	SSG	EMPLACED_CNTR	2/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/4/1976	9/25/2006	3/18/1999	9/25/2006	9/10/1999			FALSE	TRUE	TRUE					
33067	SR503413A	SSG	EMPLACED_CNTR	8/9/2012 13:47	3/15/2012 20:56	mccabed	SR-W027-FB-PRE86-C	SS300			5/12/2006	3/8/2012	5/12/2006	3/8/2012		SWD061325 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
33068	SR503414	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/4/1976		3/1/1995		8/26/1995			FALSE	TRUE	TRUE					
33069	SR503415	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/4/1976	12/15/2003	2/21/1995	12/15/2003	8/16/1995			FALSE	TRUE	TRUE					
33070	SR503416	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/4/1976		3/15/1999		9/7/1999			FALSE	TRUE	TRUE					
33071	SR503417	SSG	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/18/1976		2/28/1995		8/13/1995			FALSE	TRUE	TRUE					
33072	SR503418	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/18/1976		6/29/1999		12/22/1999			FALSE	TRUE	TRUE					
33073	SR503419	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	5/6/1976	5/6/1976		4/21/2005				FALSE	TRUE	TRUE					
33074	SR503420	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/13/1976	5/13/1976		5/26/2008				FALSE	TRUE	TRUE					
33075	SR503421	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/18/1976	6/30/2003	2/21/1995	6/30/2003	8/17/1995			FALSE	TRUE	TRUE					
33076	SR503422	SSG	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/20/1976	11/26/2004		11/26/2004				FALSE	TRUE	TRUE					
33077	SR503423	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/20/1976	10/31/2006	3/3/1995	10/31/2006	8/26/1995			FALSE	TRUE	TRUE					
33078	SR503424	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/27/1976	7/2/2007		7/2/2007				FALSE	TRUE	TRUE					
33079	SR503425	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/27/1976		2/22/1995		8/17/1995			FALSE	TRUE	TRUE					
33080	SR503426	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/27/1976	4/26/2004	3/3/1995	4/26/2004	8/26/1995			FALSE	TRUE	TRUE					
33081	SR503427	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/27/1976	10/13/2006	3/12/1999	10/13/2006	9/14/1999			FALSE	TRUE	TRUE					
33082	SR503428	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/27/1976	10/3/2006	6/29/1999	10/3/2006	12/22/1999			FALSE	TRUE	TRUE					
33083	SR503429	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/27/1976	5/27/1976		2/26/2007				FALSE	TRUE	TRUE					
33084	SR503430	SSG	EMPLACED_CNTR	7/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/8/1976		2/21/1995		8/16/1995			FALSE	TRUE	TRUE					
33085	SR503431	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/8/1976	7/2/2007		7/2/2007				FALSE	TRUE	TRUE					
33086	SR503432	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/8/1976		3/10/1999		9/2/1999			FALSE	TRUE	TRUE					
33087	SR503433	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/8/1976	7/30/2003	3/9/1999	7/30/2003	9/1/1999			FALSE	TRUE	TRUE					
33088	SR503434	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/8/1976	7/9/2007		7/9/2007				FALSE	TRUE	TRUE					
33089	SR503435	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/8/1976	3/12/2008		3/12/2008				FALSE	TRUE	TRUE					
33090	SR503436	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/15/1976	1/15/2004	3/9/1999	1/15/2004	9/1/1999			FALSE	TRUE	TRUE					
33091	SR503437	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/15/1976	6/15/1976		5/3/2007				FALSE	TRUE	TRUE					
33092	SR503438	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/15/1976	6/15/1976	12/31/1999	10/4/2006	6/24/2000			FALSE	TRUE	TRUE					
33093	SR503439	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/16/1976	6/27/2007		6/27/2007				FALSE	TRUE	TRUE					
33094	SR503440	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/16/1976		3/29/1999		9/21/1999			FALSE	TRUE	TRUE					
33095	SR503441	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/16/1976		3/17/1999		9/9/1999			FALSE	TRUE	TRUE					
33096	SR503442	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/16/1976	6/16/2008		6/16/2008				TRUE	TRUE	TRUE					
33097	SR503442A	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/16/2008		6/16/2008		12/9/2008			FALSE	TRUE	TRUE					
33098	SR503443	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/16/1976	5/8/2007	3/17/1999	5/8/2007	9/9/1999			FALSE	TRUE	TRUE					
33099	SR503445	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/12/1977	7/12/1977		2/8/2007				FALSE	TRUE	TRUE					
33100	SR503446	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/25/1977	1/25/1977		4/8/2007				FALSE	TRUE	TRUE					
33101	SR503447	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/25/1977	1/25/1977		2/17/2007				FALSE	TRUE	TRUE					
33102	SR503448	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/3/1977	5/17/2007		5/17/2007				TRUE	TRUE	TRUE					
33103	SR503448A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/17/2007		5/17/2007		11/9/2007			FALSE	TRUE	TRUE					
33104	SR503449	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	2/3/1977	2/3/1977		2/21/2007				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33105	SR503450	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	2/8/1977	2/8/1977		2/29/2007				FALSE	TRUE	TRUE					
33106	SR503451	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	2/8/1977	2/8/1977		2/29/2007				FALSE	TRUE	TRUE					
33107	SR503452	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1977	5/11/2007		5/11/2007				TRUE	TRUE	TRUE					
33108	SR503452A	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/11/2007		5/11/2007		11/1/2007			FALSE	TRUE	TRUE					
33109	SR503453	SSG	EMPLACED_CNTR	9/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1977	3/18/2008		3/18/2008				TRUE	TRUE	TRUE					
33110	SR503453A	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/18/2008		3/18/2008		9/10/2008			FALSE	TRUE	TRUE					
33111	SR503454	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1977	5/8/2007		5/8/2007				FALSE	TRUE	TRUE					
33112	SR503456	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/15/1977	3/12/2008		3/12/2008				TRUE	TRUE	TRUE					
33113	SR503456A	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/12/2008		3/12/2008		9/4/2008			FALSE	TRUE	TRUE					
33114	SR503457	SSG	EMPLACED_CNTR	5/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1977	3/12/2008		3/12/2008				TRUE	TRUE	TRUE					
33115	SR503457A	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/12/2008		3/12/2008		9/4/2008			FALSE	TRUE	TRUE					
33116	SR503458	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/1/1977	3/1/1977		1/12/2008				FALSE	TRUE	TRUE					
33117	SR503461	SSG	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/7/1977	11/7/2003	6/2/1999	11/7/2003	11/15/1999			FALSE	TRUE	TRUE					
33118	SR503462	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/7/1977	4/7/1977	12/31/1999	10/17/2006	6/24/2000			FALSE	TRUE	TRUE					
33119	SR503463	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/28/1977	6/28/1977		2/16/2007				FALSE	TRUE	TRUE					
33120	SR503464	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/7/1977	4/7/1977	12/31/1999	11/12/2006	6/24/2000			FALSE	TRUE	TRUE					
33121	SR503465	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/28/1977	4/28/1977		7/30/2005				FALSE	TRUE	TRUE					
33122	SR503466	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/7/1977		6/7/1999		11/30/1999			FALSE	TRUE	TRUE					
33123	SR503467	SSG	EMPLACED_CNTR	6/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/7/1977		6/1/1999		11/25/1999			FALSE	TRUE	TRUE					
33124	SR503468	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/7/1977	9/29/2006	6/7/1999	9/29/2006	11/30/1999			FALSE	TRUE	TRUE					
33125	SR503468A	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		9/29/2006		9/29/2006											
33126	SR503469	SSG	EMPLACED_CNTR		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/19/1977		12/31/1999		6/24/2000			FALSE	TRUE	TRUE					
33127	SR503470	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/19/1977		6/28/1999		11/21/1999			FALSE	TRUE	TRUE					
33128	SR503471	SSG	EMPLACED_CNTR	6/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/19/1977		9/9/1999		12/2/1999			FALSE	TRUE	TRUE					
33129	SR503473	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/14/1977	4/14/1977		3/6/2007				FALSE	TRUE	TRUE					
33130	SR503474	SSG	EMPLACED_CNTR	10/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/19/1977	4/19/1977		5/6/2007				FALSE	TRUE	TRUE					
33131	SR503477	SSG	EMPLACED_CNTR	8/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS200	Remediate	1	4/28/1977	3/18/2008		3/18/2008				FALSE	TRUE	TRUE					
33132	SR503478	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/28/1977	4/28/1977		8/28/2006				FALSE	TRUE	TRUE					
33133	SR503479	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/28/1977	4/28/1977		5/29/2008				FALSE	TRUE	TRUE					
33134	SR503480	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/28/1977	4/28/1977		5/29/2008				FALSE	TRUE	TRUE					
33135	SR503481	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/28/1977	4/28/1977		5/23/2005				FALSE	TRUE	TRUE					
33136	SR503482	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS200	Remediate	1	4/18/1977	8/13/2008		8/13/2008				FALSE	TRUE	TRUE					
33137	SR503483	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS200	Remediate	1	4/28/1977	7/15/2008		7/15/2008				TRUE	TRUE	TRUE					
33138	SR503483A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/15/2008		7/15/2008		1/7/2009			FALSE	TRUE	TRUE					
33139	SR503484	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/12/1977	5/12/1977		6/17/2007				FALSE	TRUE	TRUE					
33140	SR503486	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/7/1977	6/7/1977		6/18/2007				FALSE	TRUE	TRUE					
33141	SR503487	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/7/1977	3/17/2008		3/17/2008				TRUE	TRUE	TRUE					
33142	SR503487A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/17/2008		3/17/2008		9/9/2008			FALSE	TRUE	TRUE					
33143	SR503488	SSG	EMPLACED_CNTR	7/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/7/1977	3/17/2008		3/17/2008				FALSE	TRUE	TRUE					
33144	SR503489	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/7/1977	6/7/1977		2/9/2007				FALSE	TRUE	TRUE					
33145	SR503490	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/9/1977	6/9/1977		2/13/2007				FALSE	TRUE	TRUE					
33146	SR503491	SSG	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/14/1977	6/14/1977		2/16/2007				FALSE	TRUE	TRUE					
33147	SR503492	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/12/1977	7/12/1977		2/9/2007				FALSE	TRUE	TRUE					
33148	SR503493	SSG	EMPLACED_CNTR	9/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/28/1977	7/28/1977		3/15/2007				FALSE	TRUE	TRUE					
33149	SR503495	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/9/1977	8/9/1977		3/15/2007				FALSE	TRUE	TRUE					
33150	SR503496	SSG	EMPLACED_CNTR	2/27/2011 12:44	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/9/1977	1/11/2010		1/11/2010				TRUE	TRUE	TRUE					
33151	SR503496A	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS200		0	6/10/2008		6/10/2008		12/3/2008			TRUE	TRUE	TRUE					
33152	SR503496B	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/11/2010		1/11/2010		7/8/2010	SR503496 is the parent container		TRUE	TRUE	TRUE					
33153	SR503497	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/9/1977	8/9/1977	12/31/1999	10/3/2006	6/24/2000			FALSE	TRUE	TRUE					
33154	SR503601	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/15/1976	6/15/1976	12/31/1999	9/24/2006	6/24/2000			FALSE	TRUE	TRUE					
33155	SR503602	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/15/1976	1/18/2004	3/9/1999	1/18/2004	9/1/1999			FALSE	TRUE	TRUE					
33156	SR503603	SSG	EMPLACED_CNTR	5/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/15/1976	5/27/2004	2/22/1995	5/27/2004	8/17/1995			FALSE	TRUE	TRUE					
33157	SR503604	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/15/1976	8/25/2003	4/14/1999	8/26/2003	10/7/1999			FALSE	TRUE	TRUE					
33158	SR503605	SSG	EMPLACED_CNTR	10/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/18/1976	5/17/2004	8/7/1995	5/17/2004	8/30/1995			FALSE	TRUE	TRUE					
33159	SR503606	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/18/1976	1/16/2004	2/22/1995	1/16/2004	8/17/1995			FALSE	TRUE	TRUE					
33160	SR503607	SSG	EMPLACED_CNTR	7/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS800	Remediate	1	6/18/1976	3/11/2008		3/11/2008				TRUE	TRUE	TRUE					
33161	SR503607A	SSG	EMPLACED_CNTR	7/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/11/2008		3/11/2008		9/3/2008			FALSE	TRUE	TRUE					
33162	SR503608	SSG	EMPLACED_CNTR	2/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/22/1976	6/22/1976		9/14/2007				FALSE	TRUE	TRUE					
33163	SR503609	SSG	EMPLACED_CNTR	5/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/22/1976	4/23/2004	2/21/1995	4/23/2004	8/16/1995			FALSE	TRUE	TRUE					
33164	SR503610	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/24/1976		3/22/1999		9/14/1999			FALSE	TRUE	TRUE					
33165	SR503611	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1976	3/10/2008		3/10/2008				TRUE	TRUE	TRUE					
33166	SR503611A	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/10/2008		3/10/2008		9/2/2008			FALSE	TRUE	TRUE					
33167	SR503612	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/29/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
33168	SR503613	SSG	EMPLACED_CNTR	3/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/18/1976	6/18/1976		3/29/2008				FALSE	TRUE	TRUE					
33169	SR503614	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/18/1976	3/17/2008		3/17/2008				TRUE	TRUE	TRUE					
33170	SR503614A	SSG	EMPLACED_CNTR	3/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/17/2008		3/17/2008		9/9/2008			FALSE	TRUE	TRUE					
33171	SR503615	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/18/1976		3/16/1999		9/8/1999			FALSE	TRUE	TRUE					
33172	SR503616	SSG	EMPLACED_CNTR	7/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/29/1976	6/29/1976		9/14/2007				FALSE	TRUE	TRUE					
33173	SR503617	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/15/1976	7/2/2003	3/9/1999	7/2/2003	9/1/1999			FALSE	TRUE	TRUE					
33174	SR503618	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/20/1976	7/20/1976		8/31/2006				FALSE	TRUE	TRUE					
33175	SR503619	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/20/1976	6/2/2006		6/2/2006				FALSE	TRUE	TRUE					
33176	SR503620	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/1/1976		6/29/1999		12/22/1999			FALSE	TRUE	TRUE					
33177	SR503621	SSG	EMPLACED_CNTR	11/24/2010 12:04	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/1/1976	1/12/2010		1/12/2010				FALSE	TRUE	TRUE					
33178	SR503621A	SSG	EMPLACED_CNTR	5/15/2011 14:20	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/12/2010		1/12/2010		7/7/2010	WWIS Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33179	SR503621B	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/12/2010		1/12/2010		7/7/2010			FALSE	TRUE	TRUE					
33180	SR503622	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/1/1976		4/14/1999		10/7/1999			FALSE	TRUE	TRUE					
33181	SR503623	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/1/1976		3/9/1999		9/1/1999			FALSE	TRUE	TRUE					
33182	SR503624	SSG	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/1/1976	7/1/1976	12/31/1999	9/3/2006	6/24/2000			FALSE	TRUE	TRUE					
33183	SR503625	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/1/1976	5/19/2004	2/21/1995	5/19/2004	8/16/1995			FALSE	TRUE	TRUE					
33184	SR503626	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/15/1976	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
33185	SR503626A	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/14/2008		3/14/2008		9/6/2008			FALSE	TRUE	TRUE					
33186	SR503627	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	7/20/1976	7/20/1976		8/17/2004				FALSE	TRUE	TRUE					
33187	SR503628	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/27/1976	1/18/2004	6/1/1999	1/18/2004	11/24/1999			FALSE	TRUE	TRUE					
33188	SR503632	SSG	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/12/1976	8/12/1976		4/24/2005				FALSE	TRUE	TRUE					
33189	SR503633	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/12/1976	8/12/1976	3/7/1995	10/15/2003	8/30/1995			FALSE	TRUE	TRUE					
33190	SR503634	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/12/1976	1/8/2004	3/9/1999	1/8/2004	9/1/1999			FALSE	TRUE	TRUE					
33191	SR503634A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		1/8/2004		1/8/2004											
33192	SR503635	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/12/1976	8/12/1976		11/16/2006				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33193	SR503637	SSG	EMPLACED_CNTR	11/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/14/1976	6/9/2006	3/8/1999	6/9/2006	8/31/1999			FALSE	TRUE	TRUE					
33194	SR503638	SSG	EMPLACED_CNTR	4/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/12/1976	8/12/1976		9/6/2004				FALSE	TRUE	TRUE					
33195	SR503639	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/12/1976		3/8/1999		9/1/1999			FALSE	TRUE	TRUE					
33196	SR503640	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/12/1976	8/12/1976		9/6/2004				FALSE	TRUE	TRUE					
33197	SR503641	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/19/1976	8/19/1976		2/12/2007				FALSE	TRUE	TRUE					
33198	SR503642	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/19/1976	6/28/2006	6/24/1999	6/28/2006	12/17/1999										
33199	SR503642A	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		6/28/2006		6/28/2006				FALSE	TRUE	TRUE					
33200	SR503643	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/24/1976	8/24/1976		2/14/2007				FALSE	TRUE	TRUE					
33201	SR503644	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/31/1976	8/31/1976		2/13/2007				FALSE	TRUE	TRUE					
33202	SR503645	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/24/1976	8/24/1976		2/12/2007				FALSE	TRUE	TRUE					
33203	SR503646	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/2/1976	6/15/2004	12/31/1999	6/15/2004	6/24/2000			FALSE	TRUE	TRUE					
33204	SR503647	SSG	EMPLACED_CNTR	11/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/2/1976		3/7/1995		8/30/1995			FALSE	TRUE	TRUE					
33205	SR503648	SSG	EMPLACED_CNTR	1/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/14/1976	6/24/2003	3/11/1999	6/24/2003	9/3/1999			FALSE	TRUE	TRUE					
33206	SR503649	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1976		3/7/1995		8/30/1995			FALSE	TRUE	TRUE					
33207	SR503650	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1976		3/22/1999		9/14/1999			FALSE	TRUE	TRUE					
33208	SR503651	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	9/14/1976	9/14/1976	2/1/2000	8/25/2007	7/26/2000			FALSE	TRUE	TRUE					
33209	SR503652	SSG	EMPLACED_CNTR	2/18/2011 11:51	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	9/14/1976	2/17/2010	12/1/1999	2/17/2010	5/25/2000			FALSE	TRUE	TRUE					
33210	SR503653	SSG	EMPLACED_CNTR	11/24/2010 22:04	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	9/14/1976	4/8/2010	12/2/1999	4/8/2010	5/26/2000			FALSE	TRUE	TRUE					
33211	SR503654	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/14/1976		3/7/1995		8/30/1995			FALSE	TRUE	TRUE					
33212	SR503655	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/14/1976	4/12/2004	3/22/1999	4/12/2004	9/14/1999			FALSE	TRUE	TRUE					
33213	SR503656	SSG	EMPLACED_CNTR	3/24/2011 19:27	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	9/21/1976	5/18/2010	12/1/1999	5/18/2010	5/25/2000	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33214	SR503656A	SSG	EMPLACED_CNTR	3/27/2011 14:26	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	5/18/2010			5/18/2010	11/10/2010	WWIS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
33215	SR503657	SSG	EMPLACED_CNTR	6/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	9/21/1976	9/21/1976		12/8/2007				FALSE	TRUE	TRUE					
33216	SR503658	SSG	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/21/1976	6/17/2008		6/17/2008				FALSE	TRUE	TRUE					
33217	SR503659	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	12/2/2003	6/1/1999	12/2/2003	11/24/1999			FALSE	TRUE	TRUE					
33218	SR503660	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	3/12/2008		3/12/2008				TRUE	TRUE	TRUE					
33219	SR503660A	SSG	EMPLACED_CNTR	10/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/12/2008		3/12/2008		9/4/2008			FALSE	TRUE	TRUE					
33220	SR503661	SSG	EMPLACED_CNTR	2/11/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	9/21/1976	9/21/1976		12/12/2007				FALSE	TRUE	TRUE					
33221	SR503662	SSG	EMPLACED_CNTR	7/2/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	4/3/2003	6/10/1999	4/3/2003	12/3/1999			FALSE	TRUE	TRUE					
33222	SR503663	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	3/18/2008		3/18/2008				TRUE	TRUE	TRUE					
33223	SR503663A	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/18/2008		3/18/2008		9/10/2008			FALSE	TRUE	TRUE					
33224	SR503664	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	10/7/1976		6/18/1999		12/11/1999			FALSE	TRUE	TRUE					
33225	SR503665	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
33226	SR503665A	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/14/2008		3/14/2008		9/6/2008			FALSE	TRUE	TRUE					
33227	SR503666	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/7/1976	3/11/2008		3/11/2008				TRUE	TRUE	TRUE					
33228	SR503666A	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/11/2008		3/11/2008		9/3/2008			FALSE	TRUE	TRUE					
33229	SR503667	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/19/1976	10/19/1976	12/31/1999	2/22/2004	6/24/2000			FALSE	TRUE	TRUE					
33230	SR503668	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/19/1976	10/19/1976		1/16/2008				FALSE	TRUE	TRUE					
33231	SR503669	SSG	EMPLACED_CNTR	11/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/19/1976	10/19/1976		1/19/2008				FALSE	TRUE	TRUE					
33232	SR503670	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/19/1976	10/19/1976		1/26/2008				FALSE	TRUE	TRUE					
33233	SR503671	SSG	EMPLACED_CNTR	7/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/19/1976	12/19/2003	4/6/1999	12/19/2003	9/29/1999			FALSE	TRUE	TRUE					
33234	SR503671A	SSG	EMPLACED_CNTR	12/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		12/19/2003		12/19/2003											
33235	SR503672	SSG	EMPLACED_CNTR	7/24/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/19/1976	3/24/2004	3/29/1999	3/24/2004	9/21/1999			FALSE	TRUE	TRUE					
33236	SR503672A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		3/24/2004		3/24/2004											
33237	SR503673	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1976	3/18/2008		3/18/2008				FALSE	TRUE	TRUE					
33238	SR503674	SSG	EMPLACED_CNTR	10/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/26/1976	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
33239	SR503674A	SSG	EMPLACED_CNTR	1/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/4/2008		4/4/2008		9/27/2008			FALSE	TRUE	TRUE					
33240	SR503675	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/28/1976	10/28/1976		1/19/2008				FALSE	TRUE	TRUE					
33241	SR503676	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	11/18/1976	11/18/1976	6/27/2006	6/27/2006	12/20/2006			FALSE	TRUE	TRUE					
33242	SR503681	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/18/1976	6/28/2007		6/28/2007				FALSE	TRUE	TRUE					
33243	SR503681A	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/28/2007		6/28/2007		12/21/2007			TRUE	TRUE	TRUE					
33244	SR503682	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/18/1976	11/18/1976		6/17/2006				FALSE	TRUE	TRUE					
33245	SR503685	SSG	EMPLACED_CNTR	2/21/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/23/1976	11/23/1976		2/18/2007				FALSE	TRUE	TRUE					
33246	SR503686	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/23/1976	11/23/1976		2/14/2007				FALSE	TRUE	TRUE					
33247	SR503691	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/13/1977	6/26/2007		6/26/2007				FALSE	TRUE	TRUE					
33248	SR503693	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/13/1977	6/26/2007		6/26/2007				FALSE	TRUE	TRUE					
33249	SR503694	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/13/1977	1/13/1977		3/10/2007				FALSE	TRUE	TRUE					
33250	SR503695	SSG	EMPLACED_CNTR	12/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/18/1977	1/18/1977		2/26/2007				FALSE	TRUE	TRUE					
33251	SR503696	SSG	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/21/1977	8/18/2003	3/31/1999	8/18/2003	9/23/1999			FALSE	TRUE	TRUE					
33252	SR503697	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/25/1977	6/28/2007		6/28/2007				FALSE	TRUE	TRUE					
33253	SR503698	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/25/1977	1/25/1977		2/26/2007				FALSE	TRUE	TRUE					
33254	SR503699	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/25/1977	6/18/2003	3/31/1999	6/18/2003	9/23/1999			FALSE	TRUE	TRUE					
33255	SR503700	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/2/1976	6/28/2008		6/28/2008				TRUE	TRUE	TRUE					
33256	SR503700A	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	6/28/2008	1/11/2010	6/28/2008	1/11/2010	12/21/2008			TRUE	TRUE	TRUE					
33257	SR503700B	SSG	EMPLACED_CNTR	4/26/2011 14:53	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/11/2010		1/11/2010		7/6/2010	SR503700A is the parent container.		TRUE	TRUE	TRUE					
33258	SR503700C	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/11/2010		1/11/2010		7/6/2010			TRUE	TRUE	TRUE					
33259	SR504101	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/25/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33260	SR504102	SSG	EMPLACED_CNTR	11/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/19/1975	6/19/1975	3/1/1995	10/31/2006	8/26/1995			TRUE	TRUE	TRUE					
33261	SR504103	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/3/1975		4/5/1999		9/28/1999			TRUE	TRUE	TRUE					
33262	SR504104	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Lid Removal	0	6/12/1975	1/21/2003	12/31/1999	1/21/2003	6/24/2000			TRUE	TRUE	TRUE					
33263	SR504105	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/3/1975		3/22/1999		9/14/1999			TRUE	TRUE	TRUE					
33264	SR504106	SSG	EMPLACED_CNTR	1/9/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/14/1975	6/17/2003	3/15/1999	6/17/2003	9/7/1999			TRUE	TRUE	TRUE					
33265	SR504107	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/24/1975		3/15/1999		9/7/1999			TRUE	TRUE	TRUE					
33266	SR504108	SSG	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/14/1975	1/4/2004	3/22/1999	1/4/2004	9/14/1999										
33267	SR504109A	SSG	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		1/4/2004		1/4/2004				TRUE	TRUE	TRUE					
33268	SR504109	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/14/1975	6/13/2003	4/7/1999	6/13/2003	9/30/1999			TRUE	TRUE	TRUE					
33269	SR504110	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/31/1975	7/10/2007		7/10/2007				TRUE	TRUE	TRUE					
33270	SR504112	SSG	EMPLACED_CNTR	5/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/28/1975		4/7/1999		9/30/1999			TRUE	TRUE	TRUE					
33271	SR504113	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/28/1975	1/23/2004	12/31/1999	1/23/2004	6/24/2000			TRUE	TRUE	TRUE					
33272	SR504114	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/31/1975	7/31/1975		11/19/2006				TRUE	TRUE	TRUE					
33273	SR504115	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/28/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33274	SR504116	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/7/1975	1/16/2007	3/24/1999	1/16/2007	9/16/1999			TRUE	TRUE	TRUE					
33275	SR504117	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/18/1975		3/22/1999		9/14/1999			TRUE	TRUE	TRUE					
33276	SR504118	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/18/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33277	SR504119	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/7/1975	2/20/2007	12/31/1999	2/20/2007	6/24/2000			TRUE	TRUE	TRUE					
33278	SR504120	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/31/1975	7/31/1975	12/31/1999	9/22/2003	8/24/2000			TRUE	TRUE	TRUE					
33279	SR504121	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/24/1975	7/24/1975	3/23/1999	2/22/2004	9/15/1999			TRUE	TRUE	TRUE					
33280	SR504122	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/17/1975		3/16/1999		9/8/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33281	SR504123	SSG	EMPLACED_CNTR	6/6/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/17/1975		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
33282	SR504157	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1975	1/15/2004	2/21/1995	1/15/2004	8/16/1995			TRUE	TRUE	TRUE					
33283	SR504158	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	5/22/1975		6/30/1999		12/23/1999			TRUE	TRUE	TRUE					
33284	SR504159	SSG	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1975	10/2/2006	6/29/1999	10/2/2006	12/22/1999			TRUE	TRUE	TRUE					
33285	SR504160	SSG	EMPLACED_CNTR	7/21/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/22/1975	6/4/2004	3/3/1995	6/4/2004	8/26/1995			TRUE	TRUE	TRUE					
33286	SR504161	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/3/1975	7/3/1975		4/30/2007				TRUE	TRUE	TRUE					
33287	SR504162	SSG	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/5/1975		3/3/1995		8/26/1995			TRUE	TRUE	TRUE					
33288	SR504163	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/29/1975	9/8/2003	6/29/1999	9/8/2003	12/22/1999			TRUE	TRUE	TRUE					
33289	SR504164	SSG	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1975		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
33290	SR504165	SSG	EMPLACED_CNTR	2/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/5/1975		6/30/1999		12/23/1999			TRUE	TRUE	TRUE					
33291	SR504166	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/7/1975	8/7/1975	12/31/1999	10/4/2006	6/24/2000			TRUE	TRUE	TRUE					
33292	SR504167	SSG	EMPLACED_CNTR	3/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	6/5/1975	1/14/2003	12/31/1999	1/14/2003	6/24/2000			TRUE	TRUE	TRUE					
33293	SR504168	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/19/1975	9/26/2007		9/26/2007				TRUE	TRUE	TRUE					
33294	SR504168A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/26/2007		9/26/2007		3/20/2008			TRUE	TRUE	TRUE					
33295	SR504169	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/5/1975		2/23/1995		8/18/1995			TRUE	TRUE	TRUE					
33296	SR504170	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/5/1975		2/23/1995		8/18/1995			TRUE	TRUE	TRUE					
33297	SR504171	SSG	EMPLACED_CNTR	5/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/5/1975	11/12/2003	6/29/1999	11/12/2003	12/22/1999			TRUE	TRUE	TRUE					
33298	SR504172	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	5/15/1975		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
33299	SR504173	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/29/1975	5/29/1975	2/21/1995	10/2/2003	8/16/1995			TRUE	TRUE	TRUE					
33300	SR504174	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1975	11/5/2006	3/23/1999	11/5/2006	9/15/1999			TRUE	TRUE	TRUE					
33301	SR504175	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/15/1975	9/18/2007		9/18/2007				TRUE	TRUE	TRUE					
33302	SR504176	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/10/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33303	SR504177	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/29/1975	9/4/2007		9/4/2007				TRUE	TRUE	TRUE					
33304	SR504177A	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/4/2007		9/4/2007		2/17/2008			TRUE	TRUE	TRUE					
33305	SR504178	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	7/30/1975	1/14/2003	3/18/1999	1/14/2003	9/10/1999			TRUE	TRUE	TRUE					
33306	SR504179	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/31/1975	11/17/2004	3/22/1999	11/17/2004	9/14/1999			TRUE	TRUE	TRUE					
33307	SR504180	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/5/1975	6/5/1975		4/25/2007				TRUE	TRUE	TRUE					
33308	SR504181	SSG	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/25/1975	1/15/2008		1/15/2008				TRUE	TRUE	TRUE					
33309	SR504181A	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	1/15/2008		1/15/2008		7/9/2008			TRUE	TRUE	TRUE					
33310	SR504182	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/22/1975	5/22/1975		4/25/2007				TRUE	TRUE	TRUE					
33311	SR504184	SSG	EMPLACED_CNTR	1/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/10/1975	7/10/1975		?/8/2006				TRUE	TRUE	TRUE					
33312	SR504185	SSG	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	7/24/1975	1/13/2003	12/31/1999	1/13/2003	6/24/2000			TRUE	TRUE	TRUE					
33313	SR504186	SSG	EMPLACED_CNTR	11/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/3/1975	6/20/2004	12/31/1999	6/20/2004	6/24/2000			TRUE	TRUE	TRUE					
33314	SR504187	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/7/1975	6/26/2003	3/15/1999	6/26/2003	9/7/1999			TRUE	TRUE	TRUE					
33315	SR504188	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/25/1975		12/31/1999		6/24/2000			TRUE	TRUE	TRUE					
33316	SR504189	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/14/1975	8/14/1975		4/13/2007				TRUE	TRUE	TRUE					
33317	SR504190	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/14/1975	5/17/2004	3/18/1999	5/17/2004	9/10/1999			TRUE	TRUE	TRUE					
33318	SR504191	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/3/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33319	SR504192	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/14/1975		3/22/1999		9/14/1999			TRUE	TRUE	TRUE					
33320	SR504193	SSG	EMPLACED_CNTR	8/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/25/1975		4/5/1999		9/28/1999			TRUE	TRUE	TRUE					
33321	SR504194	SSG	EMPLACED_CNTR	8/16/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/12/1975	9/26/2007		9/26/2007				TRUE	TRUE	TRUE					
33322	SR504194A	SSG	EMPLACED_CNTR	4/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/26/2007		9/26/2007		3/20/2008			TRUE	TRUE	TRUE					
33323	SR504195	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/31/1975		4/5/1999		9/28/1999			TRUE	TRUE	TRUE					
33324	SR504196A	SSG	EMPLACED_CNTR	11/19/2009 9:44	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/14/2008		7/14/2008		1/6/2009			TRUE	TRUE	TRUE					
33325	SR504197	SSG	EMPLACED_CNTR	11/18/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	12/4/1975		3/11/1999		9/3/1999			TRUE	TRUE	TRUE					
33326	SR504198	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/5/1975	8/21/2007		8/21/2007				TRUE	TRUE	TRUE					
33327	SR504199	SSG	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/10/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33328	SR504200	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/15/1975	5/15/1975		5/2/2007				TRUE	TRUE	TRUE					
33329	SR504234	SSG	EMPLACED_CNTR	8/13/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/26/1975		3/15/1999		9/7/1999			TRUE	TRUE	TRUE					
33330	SR504235	SSG	EMPLACED_CNTR	8/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/13/1975	11/13/1975	12/31/1999	10/2/2006	6/24/2000			TRUE	TRUE	TRUE					
33331	SR504236	SSG	EMPLACED_CNTR	10/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/26/1975		11/9/1999		5/3/2000			TRUE	TRUE	TRUE					
33332	SR504237	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/11/1975	12/11/1975		10/13/2004				TRUE	TRUE	TRUE					
33333	SR504239	SSG	EMPLACED_CNTR	5/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/13/1975	11/13/1975	12/31/1999	10/3/2006	6/24/2000			TRUE	TRUE	TRUE					
33334	SR504240	SSG	EMPLACED_CNTR	4/9/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	11/13/1975	1/9/2003	12/31/1999	1/9/2003	6/24/2000			TRUE	TRUE	TRUE					
33335	SR504241	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	11/13/1975	1/14/2003	12/31/1999	1/14/2003	6/24/2000			TRUE	TRUE	TRUE					
33336	SR504243	SSG	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/20/1975	11/20/1975	12/31/1999	10/2/2003	6/24/2000			TRUE	TRUE	TRUE					
33337	SR504244	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/20/1975	11/26/2004	12/31/1999	11/26/2004	6/24/2000			TRUE	TRUE	TRUE					
33338	SR504245	SSG	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	11/13/1975	1/14/2003	12/31/1999	1/14/2003	6/24/2000			TRUE	TRUE	TRUE					
33339	SR504246	SSG	EMPLACED_CNTR	8/14/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/11/1975	12/11/1975		10/4/2004				TRUE	TRUE	TRUE					
33340	SR504247	SSG	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/26/1975		4/19/1999		10/12/1999			TRUE	TRUE	TRUE					
33341	SR504248	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1975	7/26/2007		7/26/2007				TRUE	TRUE	TRUE					
33342	SR504248A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/26/2007		7/26/2007		1/18/2008			TRUE	TRUE	TRUE					
33343	SR504249	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1975	9/11/2007		9/11/2007				TRUE	TRUE	TRUE					
33344	SR504250	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1975	11/14/2004	4/15/1999	11/14/2004	10/8/1999			TRUE	TRUE	TRUE					
33345	SR504250A	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		11/14/2004		11/14/2004				TRUE	TRUE	TRUE					
33346	SR504251	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	12/4/1975		3/10/1999		9/2/1999			TRUE	TRUE	TRUE					
33347	SR504252	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/11/1975	12/11/1975		10/22/2006				TRUE	TRUE	TRUE					
33348	SR504253	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	12/4/1975		3/11/1999		9/3/1999			TRUE	TRUE	TRUE					
33349	SR504254	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1975	10/13/2003	4/15/1999	10/13/2003	10/8/1999			TRUE	TRUE	TRUE					
33350	SR504255	SSG	EMPLACED_CNTR	11/8/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/30/1975		4/15/1999		10/8/1999			TRUE	TRUE	TRUE					
33351	SR504256	SSG	EMPLACED_CNTR	11/21/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/17/1975		3/16/1999		9/8/1999			TRUE	TRUE	TRUE					
33352	SR504257	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/17/1975	6/17/2004	12/31/1999	6/17/2004	6/24/2000			TRUE	TRUE	TRUE					
33353	SR504258	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/18/1975	11/22/2003	3/18/1999	11/22/2003	9/10/1999			TRUE	TRUE	TRUE					
33354	SR504259	SSG	EMPLACED_CNTR	5/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/28/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33355	SR504260	SSG	EMPLACED_CNTR	11/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/11/1975	2/22/2006	3/23/1999	2/22/2006	9/15/1999			TRUE	TRUE	TRUE					
33356	SR504261	SSG	EMPLACED_CNTR	12/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/4/1975	7/17/2007		7/17/2007				TRUE	TRUE	TRUE					
33357	SR504262	SSG	EMPLACED_CNTR	12/4/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/11/1975		3/23/1999		9/15/1999			TRUE	TRUE	TRUE					
33358	SR504263	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/11/1975	10/11/2007		10/11/2007				TRUE	TRUE	TRUE					
33359	SR504263A	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/11/2007		10/11/2007		4/4/2008			TRUE	TRUE	TRUE					
33360	SR504264	SSG	EMPLACED_CNTR	2/20/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/18/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					
33361	SR504265	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55200	V&P Purge	0	9/4/1975	9/4/1975	10/8/1971	5/6/2006	4/1/1977			TRUE	TRUE	TRUE					
33362	SR504266	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1975		3/11/1999		9/3/1999			TRUE	TRUE	TRUE					
33363	SR504267	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/4/1975	6/17/2003	3/16/1999	6/17/2003	9/8/1999			TRUE	TRUE	TRUE					
33364	SR504268	SSG	EMPLACED_CNTR	2/4/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/4/1975	6/13/2003	3/23/1999	6/13/2003	9/15/1999			TRUE	TRUE	TRUE					
33365	SR504269	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1975		11/15/1999		5/9/2000			TRUE	TRUE	TRUE					
33366	SR504270	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/21/1975	8/21/1975	8/20/1971	4/29/2007	2/12/1972			TRUE	TRUE	TRUE					
33367	SR504271	SSG	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/21/1975		3/18/1999		9/8/1999			TRUE	TRUE	TRUE					
33368	SR504272	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55200		0	8/21/1975		3/18/1999		9/10/1999			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33369	[illegible]	SSG	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/28/1975	5/8/2003	3/18/1999	5/8/2003	9/10/1999			TRUE	TRUE	TRUE					
33370	SR504274	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/9/1975		3/15/1999		9/7/1999			TRUE	TRUE	TRUE					
33371	SR504275	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/16/1975	12/19/2003	12/31/1999	12/19/2003	6/24/2000			TRUE	TRUE	TRUE					
33372	SR504276	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/16/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
33373	SR504277	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/16/1975	2/28/2006	2/21/1995	2/28/2006	8/16/1995			TRUE	TRUE	TRUE					
33374	SR504278	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1975		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
33375	SR504279	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1975		3/17/1999		9/9/1999			TRUE	TRUE	TRUE					
33376	SR504280	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/25/1975	4/2/2004	3/15/1999	4/2/2004	9/7/1999			TRUE	TRUE	TRUE					
33377	SR504281	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/16/1975		4/21/1999		10/14/1999			TRUE	TRUE	TRUE					
33378	SR504282	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/23/1975		2/22/1995		8/17/1995			TRUE	TRUE	TRUE					
33379	SR504283	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/23/1975	10/23/1975		4/13/2007				TRUE	TRUE	TRUE					
33380	SR504284	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/16/1975	8/25/2007		8/25/2007				TRUE	TRUE	TRUE					
33381	SR504285	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/25/1975	10/26/2007		10/26/2007				TRUE	TRUE	TRUE					
33382	SR504287	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/2/1975	10/2/1975		11/29/2006				TRUE	TRUE	TRUE					
33383	SR504288	SSG	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/2/1975	8/1/2007	12/31/1999	8/1/2007	6/24/2000			TRUE	TRUE	TRUE					
33384	SR504289	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1975	4/11/2003	4/21/1999	4/11/2003	10/14/1999			TRUE	TRUE	TRUE					
33385	SR504290	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/25/1975		3/22/1999		9/14/1999			TRUE	TRUE	TRUE					
33386	SR504291	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1975		3/1/1995		8/24/1995			TRUE	TRUE	TRUE					
33387	SR504292	SSG	EMPLACED_CNTR	9/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/11/1975	11/12/2003	3/1/1995	11/12/2003	8/24/1995			TRUE	TRUE	TRUE					
33388	SR504293	SSG	EMPLACED_CNTR	8/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/11/1975		2/28/1995		8/23/1995			TRUE	TRUE	TRUE					
33389	SR504294	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/11/1975	1/17/2004	3/10/1999	1/17/2004	9/2/1999			TRUE	TRUE	TRUE					
33390	SR504295	SSG	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/11/1975	1/16/2004	3/1/1995	1/16/2004	8/24/1995			TRUE	TRUE	TRUE					
33391	SR504296	SSG	EMPLACED_CNTR	5/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	12/4/1975		3/11/1999		9/3/1999			TRUE	TRUE	TRUE					
33392	SR504297	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/11/1975	12/11/1975		10/15/2004				TRUE	TRUE	TRUE					
33393	SR504298	SSG	EMPLACED_CNTR	4/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/4/1975	1/8/2004	3/11/1999	1/8/2004	9/3/1999			TRUE	TRUE	TRUE					
33394	SR506101	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/11/1978	5/11/1978		6/6/2005				FALSE	TRUE	TRUE					
33395	SR506102	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/18/1978	5/18/1978		12/4/2006				FALSE	TRUE	TRUE					
33396	SR506103	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/23/1978	5/23/1978		6/1/2005				FALSE	TRUE	TRUE					
33397	SR506104	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/18/1978	5/18/1978		4/14/2005				FALSE	TRUE	TRUE					
33398	SR506105	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/23/1978	5/23/1978		8/28/2006				FALSE	TRUE	TRUE					
33399	SR506106	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/25/1978	5/25/1978		3/21/2005				FALSE	TRUE	TRUE					
33400	SR506107	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/6/1978	6/6/1978		1/23/2007				FALSE	TRUE	TRUE					
33401	SR506108	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/6/1978	3/19/2008		3/19/2008				FALSE	TRUE	TRUE					
33402	SR506108A	SSG	EMPLACED_CNTR	8/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/19/2008		3/19/2008		9/11/2008			TRUE	TRUE	TRUE					
33403	SR506109	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	6/6/1978	5/11/2007		5/11/2007	2/25/2007			FALSE	TRUE	TRUE					
33404	SR506110	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/6/1978	6/6/1978		1/26/2007				FALSE	TRUE	TRUE					
33405	SR506111	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/6/1978	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
33406	SR506112	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/13/1978	6/13/1978		3/2/2005				FALSE	TRUE	TRUE					
33407	SR506113	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/20/1978	6/20/1978		11/23/2006				FALSE	TRUE	TRUE					
33408	SR506114	SSG	EMPLACED_CNTR	9/20/2009 14:44	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/13/1978	6/18/2008		6/18/2008				FALSE	TRUE	TRUE					
33409	SR506114A	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/18/2008		6/18/2008		12/11/2008			TRUE	TRUE	TRUE					
33410	SR506114B	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300			6/18/2008		6/18/2008		8/4/2008			TRUE	TRUE	TRUE					
33411	SR506117	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/13/1978	7/13/1978		6/12/2007				FALSE	TRUE	TRUE					
33412	SR506122	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/8/1978	3/18/2008		3/18/2008				FALSE	TRUE	TRUE					
33413	SR506123	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1978	8/8/1978		7/29/2005				FALSE	TRUE	TRUE					
33414	SR506125	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1978	8/8/1978		5/14/2005				FALSE	TRUE	TRUE					
33415	SR506126	SSG	EMPLACED_CNTR	7/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1978	8/8/1978		5/22/2005				FALSE	TRUE	TRUE					
33416	SR506127	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/24/1978	8/24/1978		9/2/2006				FALSE	TRUE	TRUE					
33417	SR506128	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/24/1978	3/15/2006	6/30/1999	3/15/2006	12/23/1999			FALSE	TRUE	TRUE					
33418	SR506129	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/24/1978	9/10/2003	7/12/1999	9/10/2003	1/4/2000			FALSE	TRUE	TRUE					
33419	SR506130	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/24/1978		7/13/1999		1/5/2000			FALSE	TRUE	TRUE					
33420	SR506131	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	8/24/1978		7/12/1999		1/4/2000			FALSE	TRUE	TRUE					
33421	SR506133	SSG	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/14/1978	9/14/1978		8/23/2006				FALSE	TRUE	TRUE					
33422	SR506134	SSG	EMPLACED_CNTR	12/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/24/1978	8/24/1978		6/30/2005				FALSE	TRUE	TRUE					
33423	SR506135	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/24/1978	6/22/2006	6/22/2006	6/22/2006	12/15/2006			FALSE	TRUE	TRUE					
33424	SR506137	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/24/1978	8/24/1978		5/26/2005				FALSE	TRUE	TRUE					
33425	SR506138	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	9/7/1978	9/7/1978		1/2/2007				FALSE	TRUE	TRUE					
33426	SR506139	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	9/14/1978	9/14/1978		5/19/2005				FALSE	TRUE	TRUE					
33427	SR506141	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	9/19/1978	9/19/1978		1/29/2007				FALSE	TRUE	TRUE					
33428	SR506144	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/19/1978	4/9/2008		4/9/2008				FALSE	TRUE	TRUE					
33429	SR506144A	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/9/2008		4/9/2008		10/2/2008			TRUE	TRUE	TRUE					
33430	SR506146	SSG	EMPLACED_CNTR	9/22/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/19/1978	10/19/1978		2/17/2007				FALSE	TRUE	TRUE					
33431	SR506147	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/19/1978	10/19/1978		8/23/2006				FALSE	TRUE	TRUE					
33432	SR506148	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/14/1978	6/1/2004	11/16/1999	6/1/2004	5/10/2000			FALSE	TRUE	TRUE					
33433	SR506149	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/19/1978	10/19/1978		5/17/2005				FALSE	TRUE	TRUE					
33434	SR506150	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/19/1978	10/19/1978		5/30/2005				FALSE	TRUE	TRUE					
33435	SR506151	SSG	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/19/1978	6/20/2007		6/20/2007				FALSE	TRUE	TRUE					
33436	SR506152	SSG	EMPLACED_CNTR	11/15/2012 12:46	6/28/2012 13:00	mccabed	SR-W027-FB-PRE86-C	55300	Remediate	1	10/19/1978	1/20/2010		1/20/2010		NoVent; Updated BE information per MPapp email 062812.		TRUE	TRUE	TRUE					
33437	SR506152A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE					
33438	SR506152B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	1/20/2010		1/20/2010		7/15/2010	SR506152 is the parent container.		TRUE	TRUE	TRUE					
33439	SR506153	SSG	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/7/1978	11/7/1978		12/20/2007				FALSE	TRUE	TRUE					
33440	SR506154	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/2/1978	11/9/2004	11/15/1999	11/9/2004	5/9/2000			FALSE	TRUE	TRUE					
33441	SR506155	SSG	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/2/1978	11/2/1978	11/15/1999	2/23/2004	5/9/2000			FALSE	TRUE	TRUE					
33442	SR506156	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/19/1978	9/19/1978		1/28/2007				FALSE	TRUE	TRUE					
33443	SR506157	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/19/1978	9/19/1978		1/29/2007				FALSE	TRUE	TRUE					
33444	SR506159	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/21/1978	11/21/1978		1/23/2007				FALSE	TRUE	TRUE					
33445	SR506160	SSG	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/16/1978	3/14/2008		3/14/2008				FALSE	TRUE	TRUE					
33446	SR506161	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/16/1978	11/16/1978		1/22/2007				FALSE	TRUE	TRUE					
33447	SR506162	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/21/1978	11/21/1978		1/24/2007				FALSE	TRUE	TRUE					
33448	SR506163	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/28/1978	11/28/1978		1/23/2007				FALSE	TRUE	TRUE					
33449	SR506164	SSG	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/28/1978	11/28/1978		2/23/2007				FALSE	TRUE	TRUE					
33450	SR506179	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/5/1978	12/5/1978		1/23/2007				FALSE	TRUE	TRUE					
33451	SR506180	SSG	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/6/1979	7/9/2008		7/9/2008				FALSE	TRUE	TRUE					
33452	SR506181	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/14/1978	12/14/1978		7/17/2006				FALSE	TRUE	TRUE					
33453	SR506182	SSG	EMPLACED_CNTR	7/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/14/1978	12/14/1978		7/17/2006				FALSE	TRUE	TRUE					
33454	SR506183	SSG	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/14/1978	12/14/1978		7/19/2006				FALSE	TRUE	TRUE					
33455	SR506184	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/19/1978	12/19/1978		7/6/2006				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13456	SR506186	55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	12/18/1978	9/15/2007		5/15/2007	8/16/3007			FALSE	TRUE	TRUE					
13457	SR506187	55G	EMPLACED_CNTR	12/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/21/1978	12/21/1978		2/21/2007				FALSE	TRUE	TRUE					
13458	SR506188	55G	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/21/1978	12/21/1978		2/21/2007				FALSE	TRUE	TRUE					
13459	SR506189	55G	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/28/1978	5/14/2007		5/14/2007				FALSE	TRUE	TRUE					
13460	SR506190	55G	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	12/28/1978	12/28/1978		4/28/2007				FALSE	TRUE	TRUE					
13461	SR506191	55G	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/4/1979	1/4/1979		5/27/2007				FALSE	TRUE	TRUE					
13462	SR506192	55G	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/4/1979	3/19/2008		3/19/2008				FALSE	TRUE	TRUE					
13463	SR506193	55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/4/1979	3/13/2008		3/13/2008				FALSE	TRUE	TRUE					
13464	SR506197	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	2/8/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
13465	SR506198	55G	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1979	7/14/2008		7/14/2008				FALSE	TRUE	TRUE					
13466	SR506403	55G	EMPLACED_CNTR	10/19/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/13/1979	6/19/2008		6/19/2008				TRUE	TRUE	TRUE					
13467	SR506403A	55G	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	8/10/2008		6/10/2008		12/3/2008			FALSE	TRUE	TRUE					
13468	SR506404	55G	EMPLACED_CNTR	8/28/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/14/1978	3/18/2008		3/18/2008				FALSE	TRUE	TRUE					
13469	SR506405	55G	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/14/1978	3/14/1978		6/14/2005				FALSE	TRUE	TRUE					
13470	SR506408	55G	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/2/1978	3/2/1978		3/8/2005				FALSE	TRUE	TRUE					
13471	SR506409	55G	EMPLACED_CNTR	7/13/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/11/1978	3/19/2008		3/19/2008				FALSE	TRUE	TRUE					
13472	SR506411	55G	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/4/1978	4/4/1978		3/20/2005				FALSE	TRUE	TRUE					
13473	SR506412	55G	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/30/1978	3/30/1978		9/27/2006				FALSE	TRUE	TRUE					
13474	SR506413	55G	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/4/1978	4/4/1978		3/15/2005				FALSE	TRUE	TRUE					
13475	SR506415	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/8/1978	7/14/2008		7/14/2008				FALSE	TRUE	TRUE					
13476	SR506418	55G	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1979	7/14/2008		7/14/2008				FALSE	TRUE	TRUE					
13477	SR506419	55G	EMPLACED_CNTR	11/13/2009 9:41	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1979	7/15/2008		7/15/2008				FALSE	TRUE	TRUE					
13478	SR506420	55G	EMPLACED_CNTR	2/27/2011 13:34	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	2/13/1979	2/18/2010		2/18/2010				TRUE	TRUE	TRUE					
13479	SR506420A	55G	EMPLACED_CNTR	3/16/2011 21:47	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	2/18/2010		2/18/2010		8/13/2010			FALSE	TRUE	TRUE					
13480	SR506421	55G	EMPLACED_CNTR	7/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	2/22/1979	2/22/1979		6/17/2007				FALSE	TRUE	TRUE					
13481	SR506428	55G	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/27/1979	5/15/2007		5/15/2007				FALSE	TRUE	TRUE					
13482	SR506429	55G	EMPLACED_CNTR	10/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/10/1979	6/19/2007		6/19/2007				FALSE	TRUE	TRUE					
13483	SR506429A	55G	EMPLACED_CNTR	3/28/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/19/2007		6/19/2007		12/12/2007			FALSE	TRUE	TRUE					
13484	SR506430	55G	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/10/1979	4/10/1979		4/8/2007				FALSE	TRUE	TRUE					
13485	SR506431	55G	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/10/1979	6/7/2007		6/7/2007				FALSE	TRUE	TRUE					
13486	SR506435	55G	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/8/1978	11/9/2004		11/9/2004				FALSE	TRUE	TRUE					
13487	SR506436	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/8/1978	8/8/1978		8/30/2006				FALSE	TRUE	TRUE					
13488	SR506443	55G	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/27/1979	3/27/1979		2/14/2007				FALSE	TRUE	TRUE					
13489	SR506445	55G	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/1/1979	3/1/1979		6/12/2007				FALSE	TRUE	TRUE					
13490	SR506446	55G	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/10/1979	4/10/1979		3/25/2007				FALSE	TRUE	TRUE					
13491	SR506447	55G	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/10/1979	4/10/1979		3/25/2007				FALSE	TRUE	TRUE					
13492	SR506456	55G	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/8/1978	4/11/2006		4/11/2006				FALSE	TRUE	TRUE					
13493	SR506457	55G	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/8/1978	8/8/1978		5/27/2005				FALSE	TRUE	TRUE					
13494	SR506459	55G	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/8/1978	8/8/1978		3/22/2005				FALSE	TRUE	TRUE					
13495	SR506460	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/4/1978	5/4/1978		6/6/2005				FALSE	TRUE	TRUE					
13496	SR506461	55G	EMPLACED_CNTR	8/25/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/4/1978	5/4/1978		8/31/2006				FALSE	TRUE	TRUE					
13497	SR506464	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1979	3/28/2008	8/5/1999	3/28/2008	2/1/2000			FALSE	TRUE	TRUE					
13498	SR506472	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/13/1978	7/13/1978		10/13/2006				FALSE	TRUE	TRUE					
13499	SR506473	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/13/1978	7/13/1978		9/4/2006				FALSE	TRUE	TRUE					
13500	SR506494	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/13/1978	7/13/1978		6/7/2007				FALSE	TRUE	TRUE					
13501	SR506504	55G	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/22/1979	3/27/2008		3/27/2008				TRUE	TRUE	TRUE					
13502	SR506504A	55G	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	3/27/2008		3/27/2008		9/19/2008			FALSE	TRUE	TRUE					
13503	SR506505	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/22/1979	3/22/1979		2/13/2007				FALSE	TRUE	TRUE					
13504	SR506506	55G	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/27/1979	3/27/1979		2/14/2007				FALSE	TRUE	TRUE					
13505	SR506519	55G	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/24/1979	4/24/1979		5/31/2007				FALSE	TRUE	TRUE					
13506	SR506520	55G	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		2/7/2007				FALSE	TRUE	TRUE					
13507	SR506521	55G	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		5/31/2007				FALSE	TRUE	TRUE					
13508	SR506522	55G	EMPLACED_CNTR	6/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		2/7/2007				FALSE	TRUE	TRUE					
13509	SR506550	55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		1/27/2007				FALSE	TRUE	TRUE					
13510	SR506555	55G	EMPLACED_CNTR	10/19/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		2/3/2007				FALSE	TRUE	TRUE					
13511	SR506556	55G	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/30/1979	4/30/1979		2/3/2007				FALSE	TRUE	TRUE					
13512	SR506801	55G	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/13/1977	9/13/1977		12/12/2007				FALSE	TRUE	TRUE					
13513	SR506802	55G	EMPLACED_CNTR	7/31/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/13/1977	9/13/1977		12/18/2007				FALSE	TRUE	TRUE					
13514	SR506804	55G	EMPLACED_CNTR	6/1/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/30/1977	8/30/1977		12/14/2007				FALSE	TRUE	TRUE					
13515	SR506512	55G	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/20/1977	3/13/2008		3/13/2008				FALSE	TRUE	TRUE					
13516	SR506613	55G	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/20/1977	4/15/2008		4/15/2008				TRUE	TRUE	TRUE					
13517	SR506613A	55G	EMPLACED_CNTR	4/14/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	4/15/2008		4/15/2008		10/8/2008			FALSE	TRUE	TRUE					
13518	SR506614	55G	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/13/1977	10/13/1977	12/31/1999	9/1/2006	6/24/2000			FALSE	TRUE	TRUE					
13519	SR506615	55G	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/20/1977	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
13520	SR506617	55G	EMPLACED_CNTR	7/12/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/27/1977	3/13/2008		3/13/2008				TRUE	TRUE	TRUE					
13521	SR506618	55G	APPROVED_CERT		7/13/2012 8:44	mecabed	SR-W027-FB-PRE86-C	55300	Remediate	1	10/4/1977	1/8/2010		1/8/2010		Noivent		TRUE	TRUE	TRUE					
13522	SR506618A	55G	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	1/8/2010		1/8/2010		7/3/2010			FALSE	TRUE	TRUE					
13523	SR506624	55G	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/13/1977	10/13/1977		12/29/2007				FALSE	TRUE	TRUE					
13524	SR506625	55G	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/13/1977	10/13/1977		12/17/2007				FALSE	TRUE	TRUE					
13525	SR506626	55G	EMPLACED_CNTR	7/27/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/13/1977	10/13/1977	12/31/1999	10/17/2006	6/24/2000			FALSE	TRUE	TRUE					
13526	SR506632	55G	EMPLACED_CNTR	4/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/20/1977	10/20/1977		12/17/2007				FALSE	TRUE	TRUE					
13527	SR506633	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/20/1977		10/27/1999		4/29/2000			FALSE	TRUE	TRUE					
13528	SR506635	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/31/1977	7/9/2003	10/28/1999	7/9/2003	4/21/2000			FALSE	TRUE	TRUE					
13529	SR506636	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/31/1977	10/31/1977	12/31/1999	10/1/2006	6/24/2000			FALSE	TRUE	TRUE					
13530	SR506637	55G	EMPLACED_CNTR	6/1/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/20/1977	10/20/1977		12/17/2007				FALSE	TRUE	TRUE					
13531	SR506639	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/31/1977		10/27/1999		4/29/2000			FALSE	TRUE	TRUE					
13532	SR506640	55G	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/31/1977	4/9/2008		4/9/2008				TRUE	TRUE	TRUE					
13533	SR506640A	55G	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	4/9/2008		4/9/2008		10/2/2008			FALSE	TRUE	TRUE					
13534	SR506641	55G	EMPLACED_CNTR	2/16/2011 23:47	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/31/1977	1/20/2010		1/20/2010				TRUE	TRUE	TRUE					
13535	SR506641A	55G	EMPLACED_CNTR	11/15/2012 12:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE					
13536	SR506641B	55G	EMPLACED_CNTR	2/27/2011 13:34	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	1/20/2010		1/20/2010		7/15/2010			FALSE	TRUE	TRUE					
13537	SR506642	55G	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	11/14/1977	12/28/2009	12/31/1999	12/28/2009	6/24/2000			TRUE	TRUE	TRUE					
13538	SR506642A	55G	EMPLACED_CNTR	9/26/2011 23:42	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	12/28/2009	12/2/2010	12/28/2009	11/2/2010	6/22/2010			TRUE	TRUE	TRUE					
13539	SR506642B	55G	EMPLACED_CNTR	9/26/2011 23:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	12/2/2010		12/2/2010		5/27/2011	SR506642A is the parent container		FALSE	TRUE	TRUE					
13540	SR506644	55G	EMPLACED_CNTR	7/17/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/22/1977	11/22/1977		3/13/2008				FALSE	TRUE	TRUE					
13541	SR506646	55G	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/22/1977	11/22/1977		3/13/2008				FALSE	TRUE	TRUE					
13542	SR506647	55G	EMPLACED_CNTR	8/27/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/22/1977	11/22/1977	12/31/1999	7/25/2008	6/24/2000			FALSE	TRUE	TRUE					
13543	SR506648	55G	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	12/1/1977		3/30/1999		9/12/1999										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33544	SR506649	SSG	EMPLACED_CNTR	11/24/2010 20:13	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/1/1977	4/7/2008		4/7/2008				FALSE	TRUE	TRUE					
33545	SR506649A	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/7/2008		4/7/2008		9/30/2008			TRUE	TRUE	TRUE					
33546	SR506650	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/15/1977	12/15/1977		1/16/2008				FALSE	TRUE	TRUE					
33547	SR506651	SSG	EMPLACED_CNTR	2/27/2011 12:44	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1977	1/21/2010		1/21/2010				TRUE	TRUE	TRUE					
33548	SR506651A	SSG	EMPLACED_CNTR	2/27/2011 10:21	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/21/2010		1/21/2010		7/16/2010			TRUE	TRUE	TRUE					
33549	SR506651B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/21/2010		1/21/2010		7/16/2010			FALSE	TRUE	TRUE					
33550	SR506652	SSG	EMPLACED_CNTR	2/22/2011 22:11	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	12/15/1977	1/20/2010		1/20/2010				TRUE	TRUE	TRUE					
33551	SR506652A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE					
33552	SR506652B	SSG	EMPLACED_CNTR	4/4/2011 21:37	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE					
33553	SR506653	SSG	APPROVED_CERT		7/13/2012 8:27	mccabed	SR-W027-FB-PRE86-C	S5200	Remediate	0	12/15/1977	12/28/2009		11/18/2009		NoVent		TRUE	TRUE	TRUE					
33554	SR506653A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	12/28/2009		12/28/2009		6/22/2010	NoVent		TRUE	TRUE	TRUE					
33555	SR506654	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/15/1977	12/15/1977		2/9/2005				FALSE	TRUE	TRUE					
33556	SR506655	SSG	EMPLACED_CNTR	8/8/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		5/13/1999		11/3/1999			FALSE	TRUE	TRUE					
33557	SR506656	SSG	EMPLACED_CNTR	11/10/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		4/6/1999		9/29/1999			FALSE	TRUE	TRUE					
33558	SR506657	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1977	5/3/2004	11/4/1991	5/3/2004	4/28/2005		- Rpkgd was SR506658	TRUE	TRUE	TRUE			SR506658		Daughter
33559	SR506658A	SSG	APPROVED_CERT		10/10/2012 10:54	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	10/8/2012		10/8/2012				- Rpkgd was SR506658	TRUE	TRUE	TRUE			SR506658		Daughter
33560	SR506658B	SSG	APPROVED_CERT		10/10/2012 10:55	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	10/8/2012		10/8/2012					TRUE	TRUE	TRUE					
33561	SR506660	SSG	EMPLACED_CNTR	5/16/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		4/7/1999		9/30/1999			FALSE	TRUE	TRUE					
33562	SR506661	SSG	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1977	4/29/2003	4/7/1999	4/29/2003	9/30/1999			FALSE	TRUE	TRUE					
33563	SR506662	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		4/7/1999		9/30/1999			FALSE	TRUE	TRUE					
33564	SR506663	SSG	EMPLACED_CNTR	1/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/15/1977	7/2/2003	4/7/1999	7/2/2003	9/30/1999			FALSE	TRUE	TRUE					
33565	SR506664	SSG	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		4/6/1999		9/29/1999			FALSE	TRUE	TRUE					
33566	SR506665	SSG	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/15/1977		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
33567	SR506666	SSG	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/27/1977	6/30/2008		6/30/2008				TRUE	TRUE	TRUE					
33568	SR506666A	SSG	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/30/2008	6/30/2008	6/30/2008	10/27/2008	12/23/2008			TRUE	TRUE	TRUE					
33569	SR506668	SSG	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	6/30/2008	1/28/2010	6/30/2008	1/28/2010	12/23/2008	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33570	SR506866C	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/28/2010		1/28/2010		7/23/2010	SR506668 is the parent container.		TRUE	TRUE	TRUE					
33571	SR506660D	SSG	EMPLACED_CNTR	4/4/2013 15:25	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/28/2010		1/28/2010		7/23/2010	SR506668 is the parent container.		TRUE	TRUE	TRUE					
33572	SR506667	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/27/1977	10/24/2006		10/24/2006				FALSE	TRUE	TRUE					
33573	SR506667A	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		10/24/2006		10/24/2006				TRUE	TRUE	TRUE					
33574	SR506668	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/4/1978	5/1/2007		5/1/2007				FALSE	TRUE	TRUE					
33575	SR506669	SSG	APPROVED_CERT		7/13/2012 9:15	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/4/1978	1/16/2010		1/16/2010		NoVent		TRUE	TRUE	TRUE					
33576	SR506669A	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/16/2010		1/16/2010		7/11/2010			TRUE	TRUE	TRUE					
33577	SR506698	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/16/2010		1/16/2010		7/13/2010			TRUE	TRUE	TRUE					
33578	SR506670	SSG	APPROVED_CERT		7/13/2012 9:26	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	0	1/24/1978	1/9/2010		1/9/2010		NoVent		TRUE	TRUE	TRUE					
33579	SR506670A	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/9/2010		1/9/2010		7/4/2010			TRUE	TRUE	TRUE					
33580	SR506671	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/27/1977	7/15/2008		7/15/2008				FALSE	TRUE	TRUE					
33581	SR506671A	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/15/2008		7/15/2008		1/7/2009			TRUE	TRUE	TRUE					
33582	SR506672	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/4/1978	1/4/1978		10/11/2006				FALSE	TRUE	TRUE					
33583	SR506673	SSG	EMPLACED_CNTR	2/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1978	4/7/2008		4/7/2008				FALSE	TRUE	TRUE					
33584	SR506674	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/17/1978	1/17/1978		11/10/2006				FALSE	TRUE	TRUE					
33585	SR506675	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1978	6/18/2005		6/18/2005				FALSE	TRUE	TRUE					
33586	SR506677	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/2/1978	2/2/1978		11/4/2004				FALSE	TRUE	TRUE					
33587	SR506678	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/2/1978	4/15/2008		4/15/2008				TRUE	TRUE	TRUE					
33588	SR506678A	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/15/2008		4/15/2008		10/8/2008			FALSE	TRUE	TRUE					
33589	SR506683	SSG	EMPLACED_CNTR	1/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
33590	SR506684	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1978		5/10/1999		11/2/1999			FALSE	TRUE	TRUE					
33591	SR506685	SSG	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1978		12/6/1999		6/1/2000			FALSE	TRUE	TRUE					
33592	SR506686	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1978	1/19/2004	4/13/1999	1/19/2004	10/5/1999			FALSE	TRUE	TRUE					
33593	SR506687	SSG	EMPLACED_CNTR	2/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1978	8/23/2003	5/25/1999	8/23/2003	11/17/1999			FALSE	TRUE	TRUE					
33594	SR506688	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/2/1978	5/1/2003	6/8/1999	5/1/2003	12/1/1999			FALSE	TRUE	TRUE					
33595	SR506689	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/2/1978		5/25/1999		12/17/1999			FALSE	TRUE	TRUE					
33596	SR509988	SSG	EMPLACED_CNTR	4/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/27/1980	6/18/2008	3/31/1998	6/18/2008	9/23/1998			FALSE	TRUE	TRUE					
33597	SR509988A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/18/2008		6/18/2008		12/11/2008			TRUE	TRUE	TRUE					
33598	SR509990	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/1/1980		4/1/1998		9/24/1998			FALSE	TRUE	TRUE					
33599	SRS10501	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1979	5/15/1979		2/16/2007				FALSE	TRUE	TRUE					
33600	SRS10502	SSG	EMPLACED_CNTR	9/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1979	5/15/1979		2/16/2007				FALSE	TRUE	TRUE					
33601	SRS10503	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1979	5/15/1979		2/17/2007				FALSE	TRUE	TRUE					
33602	SRS10504	SSG	EMPLACED_CNTR	9/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1979	5/15/1979		2/16/2007				FALSE	TRUE	TRUE					
33603	SRS10521	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1979	3/14/2008		3/14/2008				FALSE	TRUE	TRUE					
33604	SRS10522	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/5/1979	6/5/1979		6/1/2007				FALSE	TRUE	TRUE					
33605	SRS10523	SSG	EMPLACED_CNTR	1/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/5/1979	6/5/1979		6/1/2007				FALSE	TRUE	TRUE					
33606	SRS10524	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1979	4/16/2008		4/16/2008				TRUE	TRUE	TRUE					
33607	SRS10524A	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/16/2008		4/16/2008		10/9/2008			FALSE	TRUE	TRUE					
33608	SRS10525	SSG	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/19/1979	6/19/1979		2/17/2007				FALSE	TRUE	TRUE					
33609	SRS10534	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/21/1979	6/21/1979		2/17/2007				FALSE	TRUE	TRUE					
33610	SRS10546	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/3/1979	7/3/1979		2/5/2004				FALSE	TRUE	TRUE					
33611	SRS10547	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/3/1979		8/24/1999		2/16/2000			FALSE	TRUE	TRUE					
33612	SRS10548	SSG	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/3/1979		8/4/1999		1/27/2000			FALSE	TRUE	TRUE					
33613	SRS10549	SSG	EMPLACED_CNTR	5/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/3/1979		8/16/1999		2/8/2000			FALSE	TRUE	TRUE					
33614	SRS10550	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/3/1979	3/13/2006	8/17/1999	3/13/2006	2/9/2000			FALSE	TRUE	TRUE					
33615	SRS10551	SSG	EMPLACED_CNTR	1/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/5/1979	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
33616	SRS10553	SSG	EMPLACED_CNTR	10/16/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/12/1979	7/12/1979		3/30/2007				FALSE	TRUE	TRUE					
33617	SRS10554	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/26/1979	7/26/1979		2/9/2004				FALSE	TRUE	TRUE					
33618	SRS10555	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/14/1979	6/14/1979		2/20/2007				FALSE	TRUE	TRUE					
33619	SRS10556	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/2/1979	4/23/2003	10/18/1999	4/23/2003	4/11/2000			FALSE	TRUE	TRUE					
33620	SRS10557	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/2/1979	7/3/2007		7/3/2007				FALSE	TRUE	TRUE					
33621	SRS10558	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/2/1979		8/4/1999		1/27/2000			FALSE	TRUE	TRUE					
33622	SRS10559	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/2/1979	8/2/1979		9/14/2004				FALSE	TRUE	TRUE					
33623	SRS10560	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/2/1979	8/2/1979		5/1/2007				FALSE	TRUE	TRUE					
33624	SRS10561	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	8/2/1979	8/2/1979		5/2/2007				FALSE	TRUE	TRUE					
33625	SRS10562	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/2/1979	6/9/2008		6/9/2008				TRUE	TRUE	TRUE					
33626	SRS10562A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/9/2008		6/9/2008		12/2/2008			FALSE	TRUE	TRUE					
33627	SRS10563	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	8/14/1979	7/9/2007		7/9/2007				TRUE	TRUE	TRUE					
33628	SRS10563A	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/9/2007	4/1/2008	7/9/2007	4/1/2008	1/1/2008			FALSE	TRUE	TRUE					
33629	SRS10565	SSG	EMPLACED_CNTR	12/10/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/14/1979		8/10/1999		2/2/2000			FALSE	TRUE	TRUE					
33630	SRS10566	SSG	EMPLACED_CNTR	2/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/14/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
33631	SRS10568	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/6/1979	3/12/2008		3/12/2008				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33632	SR510568A	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/12/2008		3/12/2008		9/4/2008			TRUE	TRUE	TRUE					
33633	SR510569	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	9/6/1979	9/6/1979		4/27/2007				FALSE	TRUE	TRUE					
33634	SR510570	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/18/1979	7/7/2008		7/7/2008				FALSE	TRUE	TRUE					
33635	SR510571	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	9/18/1979	9/18/1979		7/31/2004				FALSE	TRUE	TRUE					
33636	SR510573	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	10/2/1979	10/2/1979		3/3/2007				FALSE	TRUE	TRUE					
33637	SR510574	SSG	EMPLACED_CNTR	6/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/11/1979	6/18/2005		6/18/2005				FALSE	TRUE	TRUE					
33638	SR510575	SSG	EMPLACED_CNTR	9/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE84-C	S5300	V&P Vent	0	10/11/1979	10/11/1979		9/7/2006				FALSE	TRUE	TRUE					
33639	SR510576	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/11/1979	10/11/1979		4/5/2005				FALSE	TRUE	TRUE					
33640	SR510577	SSG	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/5/1979	7/17/2008		7/17/2008				FALSE	TRUE	TRUE					
33641	SR510578	SSG	EMPLACED_CNTR	9/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/20/1979	11/20/1979		3/21/2007				FALSE	TRUE	TRUE					
33642	SR510580	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/20/1979	11/20/1979		3/22/2007				FALSE	TRUE	TRUE					
33643	SR510581	SSG	APPROVED_CERT		7/13/2012 8:29	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/20/1979	5/21/2012	4/16/2008	5/21/2012		221-F-55006	- Rpkgd into SR510581A - Rpkgd was SR510581	TRUE	TRUE	TRUE			SR510581		Daughter
33644	SR510581A	SSG	APPROVED_CERT		5/30/2012 15:58	mccabed	SR-W027-FB-PRE86-C	S5300	None		5/21/2012		5/21/2012					FALSE	TRUE	TRUE					
33645	SR510582	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/20/1979	11/20/1979		5/2/2007				FALSE	TRUE	TRUE					
33646	SR510583	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/20/1979	7/9/2007		7/9/2007				FALSE	TRUE	TRUE					
33647	SR510584	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/20/1979	3/11/2008		3/11/2008				FALSE	TRUE	TRUE					
33648	SR510584A	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	3/11/2008	3/11/2008	3/11/2008	10/29/2008	9/3/2008			TRUE	TRUE	TRUE					
33649	SR510585	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	11/20/1979	11/20/1979		9/5/2007				FALSE	TRUE	TRUE					
33650	SR510588A	SSG	EMPLACED_CNTR	6/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/9/2008	9/15/2008	7/9/2008	9/15/2008	1/1/2009			TRUE	TRUE	TRUE					
33651	SR510595	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/12/1979	12/12/1979		12/15/2006				FALSE	TRUE	TRUE					
33652	SR510596	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/6/1979	12/6/1979		12/15/2006				FALSE	TRUE	TRUE					
33653	SR510597	SSG	EMPLACED_CNTR	12/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/12/1979	12/12/1979		12/15/2006				FALSE	TRUE	TRUE					
33654	SR510598	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/12/1979	12/12/1979		12/16/2006				FALSE	TRUE	TRUE					
33655	SR510599	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1980	5/14/2007		5/14/2007				FALSE	TRUE	TRUE					
33656	SR510600	SSG	EMPLACED_CNTR	4/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/14/1979	5/14/2007		5/14/2007				FALSE	TRUE	TRUE					
33657	SR512001	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/17/1980	1/17/1980		8/8/2007				FALSE	TRUE	TRUE					
33658	SR512003	SSG	EMPLACED_CNTR	11/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/17/1980	3/14/2006		3/14/2006				FALSE	TRUE	TRUE					
33659	SR512004	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/17/1980	1/17/1980		3/8/2007				FALSE	TRUE	TRUE					
33660	SR512005	SSG	EMPLACED_CNTR	4/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/17/1980	1/17/1980		9/3/2004				FALSE	TRUE	TRUE					
33661	SR512006	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/24/1980	1/24/1980		11/19/2003				FALSE	TRUE	TRUE					
33662	SR512007	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/24/1980	1/24/1980		11/14/2003				FALSE	TRUE	TRUE					
33663	SR512008	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE85-C	S5300	V&P Purge	0	1/29/1980	1/29/1980		11/14/2003				FALSE	TRUE	TRUE					
33664	SR512009	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/29/1980	1/29/1980		11/17/2003				FALSE	TRUE	TRUE					
33665	SR512010	SSG	EMPLACED_CNTR	11/10/2012 15:18	7/13/2012 8:43	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/29/1980	5/22/2012	1/9/2012	5/22/2012		NoVent; 221-F-55006 Tru Drum Repackaging	- Rpkgd into SR512010C	TRUE	TRUE	TRUE					
33666	SR512010A	SSG	EMPLACED_CNTR	8/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/16/2008		6/16/2008		12/9/2008			TRUE	TRUE	TRUE					
33667	SR512010B	SSG	EMPLACED_CNTR	2/7/2013 22:14	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/9/2010		1/9/2010		7/4/2010			FALSE	TRUE	TRUE					
33668	SR512010C	SSG	APPROVED_CERT		5/30/2012 16:16	mccabed	SR-W027-FB-PRE86-C	S5300	None	1	5/22/2012		5/22/2012				- Rpkgd was SR512010	FALSE	TRUE	TRUE			SR512010		Daughter
33669	SR512011	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/29/1980	8/11/2008		8/11/2008				FALSE	TRUE	TRUE					
33670	SR512011A	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	8/11/2008	1/16/2010	8/11/2008	1/16/2010	1/3/2009			TRUE	TRUE	TRUE					
33671	SR512011B	SSG	EMPLACED_CNTR	2/23/2011 21:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/16/2010		1/16/2010		7/11/2010			TRUE	TRUE	TRUE					
33672	SR512011C	SSG	APPROVED_CERT		5/30/2012 14:08	mccabed	SR-W027-FB-PRE86-C	S5300		0	1/16/2010	5/21/2012	1/16/2010	5/21/2012		SR512011A is the parent container; 221-F-55006	- Rpkgd into SR512011D - Rpkgd into SR512011E - Rpkgd was SR512011C - Rpkgd was SR512011C	TRUE	TRUE	TRUE					
33673	SR512011D	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/30/2012 14:07	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/21/2012		5/21/2012					TRUE	TRUE	TRUE			SR512011C		Daughter
33674	SR512011E	SSG	APPROVED_CERT		5/30/2012 14:08	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/21/2012		5/21/2012					TRUE	TRUE	TRUE			SR512011C		Daughter
33675	SR512012	SSG	EMPLACED_CNTR	4/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/29/1980	1/29/1980		11/17/2003				FALSE	TRUE	TRUE					
33676	SR512014	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/29/1980	6/17/2008		6/17/2008				FALSE	TRUE	TRUE					
33677	SR512014A	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/17/2008		6/17/2008		12/10/2008			TRUE	TRUE	TRUE					
33678	SR512014B	SSG	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			6/17/2008		6/17/2008		8/3/2008			FALSE	TRUE	TRUE					
33679	SR512015	SSG	EMPLACED_CNTR	6/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/29/1980	1/29/1980		11/17/2003				FALSE	TRUE	TRUE					
33680	SR512016	SSG	EMPLACED_CNTR	10/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/29/1980	1/29/1980		3/25/2004				FALSE	TRUE	TRUE					
33681	SR512017	SSG	EMPLACED_CNTR	9/7/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/5/1980	2/5/1980		2/24/2007				FALSE	TRUE	TRUE					
33682	SR512019	SSG	EMPLACED_CNTR	10/11/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/25/1980	2/25/1980		4/11/2007				FALSE	TRUE	TRUE					
33683	SR512020	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/5/1980		8/14/1997		2/6/1998			TRUE	TRUE	TRUE					
33684	SR512022	SSG	APPROVED_CERT		7/13/2012 8:29	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/1/1980	1/15/2010		1/15/2010		NoVent		TRUE	TRUE	TRUE					
33685	SR512022A	SSG	EMPLACED_CNTR	10/30/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/10/2008		9/10/2008		3/5/2009			TRUE	TRUE	TRUE					
33686	SR512022B	SSG	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/15/2010		1/15/2010		7/10/2010			TRUE	TRUE	TRUE					
33687	SR512023	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/5/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
33688	SR512025	SSG	APPROVED_CERT		7/13/2012 9:18	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/5/1980	5/21/2012	1/27/2010	5/21/2012		NoVent; 221-F-55006	- Rpkgd into SR512025E - Rpkgd into SR512025D - Rpkgd into SR512025F	TRUE	TRUE	TRUE					
33689	SR512025A	SSG	EMPLACED_CNTR	3/3/2011 22:43	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/27/2010		1/27/2010		7/22/2010			TRUE	TRUE	TRUE					
33690	SR512025B	SSG	EMPLACED_CNTR	2/27/2011 13:34	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/27/2010		1/27/2010		7/22/2010			TRUE	TRUE	TRUE					
33691	SR512025C	SSG	EMPLACED_CNTR	4/10/2013 14:13	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/27/2010		1/27/2010		7/22/2010			TRUE	TRUE	TRUE					
33692	SR512025D	SSG	APPROVED_CERT		5/30/2012 14:48	mccabed	SR-W027-FB-PRE86-C	S5300	None	1	5/21/2012		5/21/2012				- Rpkgd was SR512025	FALSE	TRUE	TRUE			SR512025		Daughter
33693	SR512025E	SSG	APPROVED_CERT		5/30/2012 14:47	mccabed	SR-W027-FB-PRE86-C	S5300	None	1	5/21/2012		5/21/2012				- Rpkgd was SR512025	FALSE	TRUE	TRUE			SR512025		Daughter
33694	SR512025F	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/30/2012 14:48	mccabed	SR-W027-FB-PRE86-C	S5300	None	1	5/21/2012		5/21/2012				- Rpkgd was SR512025	FALSE	TRUE	TRUE			SR512025		Daughter
33695	SR512028	SSG	EMPLACED_CNTR	8/27/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/5/1980	3/19/2008		3/19/2008				FALSE	TRUE	TRUE					
33696	SR512030	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/29/1980		3/31/1998		9/13/1998			FALSE	TRUE	TRUE					
33697	SR512031	SSG	EMPLACED_CNTR	5/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/29/1980		9/25/1997		3/20/1998			FALSE	TRUE	TRUE					
33698	SR512032	SSG	EMPLACED_CNTR	9/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/6/1980	4/16/2004		4/16/2004				FALSE	TRUE	TRUE					
33699	SR512033	SSG	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/6/1980	6/18/2003	4/6/1998	6/18/2003	9/29/1998			FALSE	TRUE	TRUE					
33700	SR512034	SSG	EMPLACED_CNTR	1/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/6/1980	5/30/2003	3/24/1998	5/30/2003	9/16/1998			FALSE	TRUE	TRUE					
33701	SR512035	SSG	EMPLACED_CNTR	12/3/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/6/1980	6/6/2003	3/24/1998	6/6/2003	9/16/1998			FALSE	TRUE	TRUE					
33702	SR512036	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1980	5/15/1980		12/12/2003				FALSE	TRUE	TRUE					
33703	SR512037	SSG	EMPLACED_CNTR	10/1/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/15/1980	5/15/1980		1/28/2004				FALSE	TRUE	TRUE					
33704	SR512038	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1980	9/26/2006		9/26/2006				FALSE	TRUE	TRUE					
33705	SR512038A	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		9/26/2006		9/26/2006											
33706	SR512039	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	5/22/1980	5/22/1980		12/10/2003				FALSE	TRUE	TRUE					
33707	SR512040	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1980	9/21/2007		9/21/2007				FALSE	TRUE	TRUE					
33708	SR512041	SSG	APPROVED_CERT		7/13/2012 9:30	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1980	7/11/2008		7/11/2008		Added back to CH per MPapp email 060711		TRUE	TRUE	TRUE					
33709	SR512042	SSG	EMPLACED_CNTR	10/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/29/1980	5/15/2007		5/15/2007				FALSE	TRUE	TRUE					
33710	SR512043	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/29/1980	5/29/1980		4/6/2007				FALSE	TRUE	TRUE					
33711	SR512044	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/3/1980	5/29/2007		5/29/2007				FALSE	TRUE	TRUE					
33712	SR512045	SSG	EMPLACED_CNTR	7/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	4/8/1980		4/1/1998		9/24/1998			FALSE	TRUE	TRUE					
33713	SR512060	SSG	EMPLACED_CNTR	7/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1980		3/23/1998		9/15/1998			TRUE	TRUE	TRUE					
33714	SR512061	SSG	APPROVED_CERT		7/13/2012 8:30	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	0	2/12/1980	1/13/2010		1/13/2010		NoVent		TRUE	TRUE	TRUE					
33715	SR512061A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/13/2010		1/13/2010		7/8/2010			TRUE	TRUE	TRUE					
33716	SR512061B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/13/2010		1/13/2010		7/8/2010			TRUE	TRUE	TRUE					
33717	SR512062	SSG	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	2/12/1980		3/3/1998		8/26/1998			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33718	SR512063	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/12/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
33719	SR512064	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/12/1980	9/7/2005	2/25/1998	9/7/2005	8/20/1998			FALSE	TRUE	TRUE					
33720	SR512065	SSG	EMPLACED_CNTR	7/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/12/1980		3/2/1998		8/25/1998			FALSE	TRUE	TRUE					
33721	SR512066	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	12/6/1979	12/6/1979		5/6/2007				FALSE	TRUE	TRUE					
33722	SR512067	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	2/12/1980	2/12/1980		11/21/2007				FALSE	TRUE	TRUE					
33723	SR512068	SSG	EMPLACED_CNTR	5/4/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1980		4/1/1998		9/24/1998			FALSE	TRUE	TRUE					
33724	SR512069	SSG	APPROVED_CERT		7/13/2012 9:31	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	0	2/20/1980	1/13/2010		1/13/2010		NoVent		TRUE	TRUE	TRUE					
33725	SR512069A	SSG	APPROVED_CERT		5/30/2012 14:54	mccabed	SR-W027-FB-PRE86-C	SS300		0	1/13/2010	5/17/2012	1/13/2010	5/17/2012		221-F-55006	- Rpkgd into SR512069B	TRUE	TRUE	TRUE					
33726	SR512069B	SSG	EMPLACED_CNTR	4/4/2013 15:25	5/30/2012 14:54	mccabed	SR-W027-FB-PRE86-C	SS300		0	5/17/2012		5/17/2012				- Rpkgd was SR512069A	TRUE	TRUE	TRUE			SR512069A		Daughter
33727	SR512070	SSG	EMPLACED_CNTR	4/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/20/1980		5/20/1998		11/12/1998			FALSE	TRUE	TRUE					
33728	SR512071	SSG	EMPLACED_CNTR	9/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/1/1980	4/1/1980		3/15/2007				FALSE	TRUE	TRUE					
33729	SR512072	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	5/18/2004	4/2/1998	5/18/2004	9/25/1998			FALSE	TRUE	TRUE					
33730	SR512073	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/27/1980	4/23/2004	4/1/1998	4/23/2004	9/24/1998			FALSE	TRUE	TRUE					
33731	SR512074	SSG	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
33732	SR512075	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
33733	SR512076	SSG	EMPLACED_CNTR	11/14/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/25/1980		4/27/1998		10/20/1998			FALSE	TRUE	TRUE					
33734	SR512077	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/26/1980	3/26/1980		5/2/2007				FALSE	TRUE	TRUE					
33735	SR512078	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/25/1980	3/25/1980		8/29/2007				FALSE	TRUE	TRUE					
33736	SR512079	SSG	EMPLACED_CNTR	6/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/20/1980	3/20/1980		9/6/2007				FALSE	TRUE	TRUE					
33737	SR512080	SSG	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/20/1980		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
33738	SR512081	SSG	EMPLACED_CNTR	9/26/2011 13:42	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	3/20/1980	2/24/2010		2/24/2010		NoVent		FALSE	TRUE	TRUE					
33739	SR512081A	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	2/24/2010		2/24/2010		8/19/2010			TRUE	TRUE	TRUE					
33740	SR512081B	SSG	EMPLACED_CNTR	3/22/2011 22:18	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	2/24/2010		3/24/2010		8/19/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33741	SR512081C	SSG	EMPLACED_CNTR	3/19/2011 14:28	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	2/24/2010		2/24/2010		8/19/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33742	SR512081D	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	2/24/2010		2/24/2010		8/19/2010			TRUE	TRUE	TRUE					
33743	SR512082	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/1980		4/1/1998		9/24/1998			FALSE	TRUE	TRUE					
33744	SR512083	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/3/1980	6/30/2008		6/30/2008				FALSE	TRUE	TRUE					
33745	SR512083A	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/30/2008	6/30/2008	6/30/2008	10/28/2008	12/23/2008			TRUE	TRUE	TRUE					
33746	SR512083B	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/30/2008		6/30/2008		8/16/2008			TRUE	TRUE	TRUE					
33747	SR512084	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/3/1980	4/3/1980		3/14/2007				FALSE	TRUE	TRUE					
33748	SR512085	SSG	EMPLACED_CNTR	5/1/7006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/3/1980	5/3/2004	4/1/1998	5/3/2004	9/24/1998			FALSE	TRUE	TRUE					
33749	SR512086	SSG	APPROVED_CERT		6/28/2012 12:59	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	0	4/3/1980	3/24/2010		3/24/2010		Updated BE information per MPapp email 062812.		TRUE	TRUE	TRUE					
33750	SR512086A	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	3/24/2010		3/24/2010		9/16/2010			TRUE	TRUE	TRUE					
33751	SR512086B	SSG	APPROVED_CERT		9/18/2012 14:48	mccabed	SR-W027-FB-PRE86-C	SS300		0	3/24/2010	9/10/2012	3/24/2010	9/10/2012		221-F-55006		TRUE	TRUE	TRUE					
33752	SR512086C	SSG	APPROVED_CERT		4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	3/24/2010		3/24/2010		9/16/2010			TRUE	TRUE	TRUE					
33753	SR512086D	SSG	EMPLACED_CNTR	2/27/2011 10:38	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	3/24/2010		3/24/2010		9/16/2010			TRUE	TRUE	TRUE					
33754	SR512087	SSG	APPROVED_CERT		7/13/2012 9:19	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/8/1980	1/21/2010		1/21/2010		NoVent		TRUE	TRUE	TRUE					
33755	SR512087A	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/16/2008		6/16/2008		12/9/2008										
33756	SR512087B	SSG	EMPLACED_CNTR	11/10/2012 15:18	5/18/2012 17:16	mccabed	SR-W027-FB-PRE86-C	SS300		0	1/21/2010	5/10/2012	1/21/2010	5/10/2012		SR512087 is the parent container; 221-F-55006 Tru Drum Repackaging		TRUE	TRUE	TRUE					
33757	SR512087C	SSG	EMPLACED_CNTR	3/22/2011 22:18	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/21/2010		1/21/2010		7/16/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33758	SR512088	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	4/8/1980		4/30/1998		10/23/1998			FALSE	TRUE	TRUE					
33759	SR512091	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/15/1980	4/15/1980		2/10/2008		NoVent		FALSE	TRUE	TRUE					
33760	SR512092	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/15/1980	6/7/2007		6/7/2007				FALSE	TRUE	TRUE					
33761	SR512094	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/17/1980	6/30/2008		6/30/2008				TRUE	TRUE	TRUE					
33762	SR512094A	SSG	EMPLACED_CNTR	3/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/30/2008	6/30/2008	6/30/2008	10/27/2008	12/23/2008			TRUE	TRUE	TRUE					
33763	SR512094B	SSG	EMPLACED_CNTR	4/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/30/2008	6/30/2008	6/30/2008	10/28/2008	12/23/2008			TRUE	TRUE	TRUE					
33764	SR512095	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/17/1980	1/11/2010		1/11/2010		NoVent		FALSE	TRUE	TRUE					
33765	SR512095A	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	0	8/13/2008	1/9/2010	8/13/2008	1/9/2010	2/5/2009			TRUE	TRUE	TRUE					
33766	SR512095B	SSG	EMPLACED_CNTR	2/7/2011 22:19	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/9/2010		1/9/2010		7/4/2010			TRUE	TRUE	TRUE					
33767	SR512095C	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/11/2010		1/11/2010		7/6/2010	SR512095 is the parent container.		TRUE	TRUE	TRUE					
33768	SR512096	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/17/1980	5/17/2004	4/16/1998	5/17/2004	10/9/1998			FALSE	TRUE	TRUE					
33769	SR512100	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	12/6/1979	12/6/1979		12/16/2006				FALSE	TRUE	TRUE					
33770	SR513209	SSG	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/24/1980	6/24/1980		4/21/2004				FALSE	TRUE	TRUE					
33771	SR513210	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	5/15/2004		5/15/2004				FALSE	TRUE	TRUE					
33772	SR513211	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	5/17/2004		5/17/2004				FALSE	TRUE	TRUE					
33773	SR513212	SSG	EMPLACED_CNTR	5/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	5/15/2004		5/15/2004				FALSE	TRUE	TRUE					
33774	SR513213	SSG	EMPLACED_CNTR	5/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	5/27/2004		5/27/2004				FALSE	TRUE	TRUE					
33775	SR513214	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	5/15/2004		5/15/2004				FALSE	TRUE	TRUE					
33776	SR513215	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/24/1980	6/24/1980		4/22/2004				FALSE	TRUE	TRUE					
33777	SR513216	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/24/1980	6/24/1980		4/4/2007				FALSE	TRUE	TRUE					
33778	SR513217	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/24/1980	7/1/2008		7/1/2008				TRUE	TRUE	TRUE					
33779	SR513217B	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300			7/1/2008		7/1/2008		8/17/2008			FALSE	TRUE	TRUE					
33780	SR513218	SSG	EMPLACED_CNTR	5/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	7/3/1980	7/3/1980		1/13/2004				FALSE	TRUE	TRUE					
33781	SR513219	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/10/1980		3/31/1998		9/23/1998			FALSE	TRUE	TRUE					
33782	SR513220	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	7/10/1980	7/10/1980		1/12/2004				FALSE	TRUE	TRUE					
33783	SR513221	SSG	EMPLACED_CNTR	12/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/17/1980	6/20/2007		6/20/2007				TRUE	TRUE	TRUE					
33784	SR513221A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/20/2007		6/20/2007		12/13/2007			TRUE	TRUE	TRUE					
33785	SR513222	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/17/1980	7/17/1980		9/19/2007				FALSE	TRUE	TRUE					
33786	SR513223	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/17/1980	7/17/1980		4/8/2006				FALSE	TRUE	TRUE					
33787	SR513224	SSG	EMPLACED_CNTR	6/21/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	7/24/1980	7/24/1980		1/13/2004				FALSE	TRUE	TRUE					
33788	SR513225	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/24/1980	6/18/2008		6/18/2008				TRUE	TRUE	TRUE					
33789	SR513225A	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/18/2008		6/18/2008		12/11/2008			TRUE	TRUE	TRUE					
33790	SR513226	SSG	APPROVED_CERT		10/24/2012 13:44	mccabed	SR-W027-FB-PRE86-C	SS300	None	1	7/24/1980	10/4/2012	5/10/2004	10/4/2012		NoVent; 221-F-55001	- Rpkgd into SR513226B	TRUE	TRUE	TRUE					
33791	SR513226A	SSG	EMPLACED_CNTR	8/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1		5/10/2004		5/10/2004			- Rpkgd was SR513226	TRUE	TRUE	TRUE			SR513226		Daughter
33792	SR513226B	SSG	APPROVED_CERT		10/9/2012 22:54	mccabed	SR-W027-FB-PRE86-C	SS300	None		10/4/2012		10/4/2012					FALSE	TRUE	TRUE					
33793	SR513227	SSG	EMPLACED_CNTR	5/15/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/5/1980	8/5/1980		1/17/2004				FALSE	TRUE	TRUE					
33794	SR513228	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/5/1980	4/16/2006	3/31/1998	4/16/2006	9/23/1998			FALSE	TRUE	TRUE					
33795	SR513229	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/19/1980	5/15/2004		5/15/2004				FALSE	TRUE	TRUE					
33796	SR513230	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/4/1980	12/2/2003	3/19/1998	12/2/2003	9/11/1998			FALSE	TRUE	TRUE					
33797	SR513231	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/14/1980	8/14/1980		1/25/2004				FALSE	TRUE	TRUE					
33798	SR513232	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/19/1980	5/7/2004		5/7/2004				FALSE	TRUE	TRUE					
33799	SR513233	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	10/23/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
33800	SR513234	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/12/1980	11/28/2004		11/28/2004				FALSE	TRUE	TRUE					
33801	SR513239	SSG	EMPLACED_CNTR	5/3/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/14/1980	8/14/1980		1/20/2004				FALSE	TRUE	TRUE					
33802	SR513240	SSG	EMPLACED_CNTR	2/17/2011 13:33	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/14/1980	3/19/2010		3/19/2010				TRUE	TRUE	TRUE					
33803	SR513240A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/4/2008		8/4/2008		1/27/2009			TRUE	TRUE	TRUE					
33804	SR513240B	SSG	EMPLACED_CNTR	10/30/2010 10:38	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300			8/4/2008		8/4/2008		9/20/2008			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
33805	SR513240C	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300			8/4/2008		8/4/2008		9/20/2008			TRUE	TRUE	TRUE					
33806	SR513240D	SSG	EMPLACED_CNTR	6/7/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300			8/4/2008		8/4/2008		9/20/2008			TRUE	TRUE	TRUE					
33807	SR513240E	SSG	EMPLACED_CNTR	3/19/2011 14:28	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	3/19/2010		3/19/2010		9/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33808	SR513240F	SSG	EMPLACED_CNTR	3/3/2011 22:43	4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	3/19/2010		3/19/2010		9/11/2010			TRUE	TRUE	TRUE					
33809	SR513240G	SSG	EMPLACED_CNTR	3/17/2011 22:18	4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	3/19/2010		3/19/2010		9/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33810	SR513240H	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	3/19/2010		3/19/2010		9/11/2010	SR513240 is parent container		TRUE	TRUE	TRUE					
33811	SR513241	SSG	EMPLACED_CNTR	10/11/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/28/1980	8/28/1980		8/1/2004				FALSE	TRUE	TRUE					
33812	SR513242	SSG	EMPLACED_CNTR	2/11/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/28/1980	8/28/1980		8/1/2004				FALSE	TRUE	TRUE					
33813	SR513243	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/16/1980	7/10/2007		7/10/2007				FALSE	TRUE	TRUE					
33814	SR513244	SSG	EMPLACED_CNTR	12/5/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/16/1980	7/3/2007		7/3/2007				FALSE	TRUE	TRUE					
33815	SR513245	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/23/1980	10/23/1980		4/22/2004				FALSE	TRUE	TRUE					
33816	SR513246	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/23/1980	9/23/1980		5/22/2007				FALSE	TRUE	TRUE					
33817	SR513247	SSG	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/30/1980	7/11/2007		7/11/2007				FALSE	TRUE	TRUE					
33818	SR513248	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/30/1980	9/30/1980		5/14/2007				FALSE	TRUE	TRUE					
33819	SR513249	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	9/30/1980	9/30/1980		5/15/2007				FALSE	TRUE	TRUE					
33820	SR513250	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/30/1980	3/20/2008		3/20/2008				FALSE	TRUE	TRUE					
33821	SR513251	SSG	EMPLACED_CNTR	6/7/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/9/1980	10/9/1980		8/24/2007				FALSE	TRUE	TRUE					
33822	SR513252	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/9/1980	10/9/1980		11/4/2007				FALSE	TRUE	TRUE					
33823	SR513253	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/9/1980	3/20/2008		3/20/2008				FALSE	TRUE	TRUE					
33824	SR513254	SSG	EMPLACED_CNTR	4/13/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	10/9/1980	10/9/1980		8/22/2007				FALSE	TRUE	TRUE					
33825	SR513255	SSG	EMPLACED_CNTR	6/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/9/1980	10/9/1980		8/22/2007				FALSE	TRUE	TRUE					
33826	SR513256	SSG	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/15/1980	10/15/1980		4/22/2004				FALSE	TRUE	TRUE					
33827	SR513257	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/15/1980	10/16/1980		4/21/2004				FALSE	TRUE	TRUE					
33828	SR513258	SSG	EMPLACED_CNTR	12/11/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/21/1980	11/14/2006		11/14/2006				FALSE	TRUE	TRUE					
33829	SR513259	SSG	EMPLACED_CNTR	8/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/21/1980	6/19/2008		6/19/2008				FALSE	TRUE	TRUE					
33830	SR513259A	SSG	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/19/2008		6/19/2008		12/12/2008			TRUE	TRUE	TRUE					
33831	SR513262	SSG	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/23/1980	10/23/1980		4/22/2004				FALSE	TRUE	TRUE					
33832	SR513266	SSG	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/28/1980	10/28/1980		1/30/2004				FALSE	TRUE	TRUE					
33833	SR513267	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/28/1980		10/13/1997		4/7/1998			FALSE	TRUE	TRUE					
33834	SR513268	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	10/28/1980		10/13/1997		4/7/1998			FALSE	TRUE	TRUE					
33835	SR513269	SSG	EMPLACED_CNTR	7/8/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/28/1980	10/28/1980		1/19/2004				FALSE	TRUE	TRUE					
33836	SR513272	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1980	1/25/2006		1/25/2006				FALSE	TRUE	TRUE					
33837	SR513273	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/30/1980	5/26/2004		5/26/2004				FALSE	TRUE	TRUE					
33838	SR513274	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/2/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
33839	SR513275	SSG	EMPLACED_CNTR	4/17/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/2/1980	11/2/1980		1/30/2004				FALSE	TRUE	TRUE					
33840	SR513276	SSG	EMPLACED_CNTR	8/22/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/10/1980	11/10/1980		12/15/2003				FALSE	TRUE	TRUE					
33841	SR513277	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/10/1980	6/30/2008		6/30/2008				FALSE	TRUE	TRUE					
33842	SR513277A	SSG	EMPLACED_CNTR	3/23/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/30/2008		6/30/2008		12/23/2008			TRUE	TRUE	TRUE					
33843	SR513278	SSG	EMPLACED_CNTR	9/22/2008 22:18	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/10/1980	6/9/2008		6/9/2008				FALSE	TRUE	TRUE					
33844	SR513278A	SSG	EMPLACED_CNTR	3/23/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/9/2008		6/9/2008		12/2/2008			TRUE	TRUE	TRUE					
33845	SR513279	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/10/1980	11/10/1980		12/3/2003				FALSE	TRUE	TRUE					
33846	SR513280	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/10/1980	11/10/1980		12/12/2003				FALSE	TRUE	TRUE					
33847	SR513281	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
33848	SR513282	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
33849	SR513283	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
33850	SR513284	SSG	EMPLACED_CNTR	5/7/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
33851	SR513285	SSG	EMPLACED_CNTR	7/26/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/12/1980		10/14/1997		4/8/1998			FALSE	TRUE	TRUE					
33852	SR513286	SSG	EMPLACED_CNTR	5/18/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/13/1980	11/25/1980		4/20/2004				FALSE	TRUE	TRUE					
33853	SR513287	SSG	EMPLACED_CNTR	4/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	11/13/1980	11/13/1980		10/24/2006				FALSE	TRUE	TRUE					
33854	SR513288	SSG	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/13/1980	5/29/2007		5/29/2007				FALSE	TRUE	TRUE					
33855	SR513289	SSG	EMPLACED_CNTR	3/6/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/13/1980	11/13/1980		3/11/2007				FALSE	TRUE	TRUE					
33856	SR513290	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	11/13/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
33857	SR513291	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/2/1980	1/15/2004	9/15/1997	1/15/2004	3/20/1998			FALSE	TRUE	TRUE					
33858	SR513293A	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		1/15/2004		1/15/2004											
33859	SR513294	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	12/2/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
33860	SR513295	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1980	7/2/2006	7/2/2006	7/2/2006	12/25/2006			FALSE	TRUE	TRUE					
33861	SR513296	SSG	EMPLACED_CNTR	2/27/2011 10:22	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/9/1980	1/21/2010		1/21/2010				FALSE	TRUE	TRUE					
33862	SR513296A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	1/21/2010		1/21/2010		7/16/2010			TRUE	TRUE	TRUE					
33863	SR513296B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	1/21/2010		1/21/2010		7/16/2010	SR513296 is the parent container.		TRUE	TRUE	TRUE					
33864	SR513299	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/30/1980		10/15/1997		4/9/1998			FALSE	TRUE	TRUE					
33865	SR513300	SSG	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/30/1980		10/20/1997		4/14/1998			FALSE	TRUE	TRUE					
33866	SR514301	SSG	APPROVED_CERT		7/16/2012 11:00	mccabed	SR-W027-FB-PRE86-C	55300	Remediate	1	6/30/1981	7/10/2012	1/23/2010	7/10/2012		NoVent; 221-F-55006 Tru Drum Repackaging	- Rpkgd into SR514301E	TRUE	TRUE	TRUE					
33867	SR514301A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/9/2008		6/5/2008		12/2/2008			TRUE	TRUE	TRUE					
33868	SR514301B	SSG	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	9/10/2008		9/10/2008		3/5/2009			TRUE	TRUE	TRUE					
33869	SR514301C	SSG	EMPLACED_CNTR	3/24/2011 19:27	4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	1/23/2010		1/23/2010		7/18/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
33870	SR514301D	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	1/23/2010		1/23/2010		7/18/2010	SR514301 is the parent container.		TRUE	TRUE	TRUE					
33871	SR514301E	SSG	PRECUR_CERT		7/16/2012 11:00	mccabed	SR-W027-FB-PRE86-C	55350	None		7/10/2012		7/10/2012				- Rpkgd was SR514301	TRUE	TRUE	TRUE			SR514301		Daughter
33872	SR514302	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/30/1981	6/10/2008		6/10/2008				FALSE	TRUE	TRUE					
33873	SR514303	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/30/1981	6/12/2008		6/12/2008				FALSE	TRUE	TRUE					
33874	SR514304	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/30/1981	6/30/1981		7/24/2007				FALSE	TRUE	TRUE					
33875	SR514305	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/30/1981	6/30/1981		4/7/2007				FALSE	TRUE	TRUE					
33876	SR514306	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/30/1981	6/4/2008		6/4/2008				FALSE	TRUE	TRUE					
33877	SR514306A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	6/4/2008		6/4/2008		11/27/2008			TRUE	TRUE	TRUE					
33878	SR514307	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/2/1981	7/2/1981		8/10/2007				FALSE	TRUE	TRUE					
33879	SR514308	SSG	EMPLACED_CNTR	7/19/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/2/1981	7/2/1981		8/10/2007				FALSE	TRUE	TRUE					
33880	SR514312	SSG	EMPLACED_CNTR	11/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/14/1981	6/12/2008		6/12/2008				FALSE	TRUE	TRUE					
33881	SR514314	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/14/1981	7/14/1981		9/12/2007				FALSE	TRUE	TRUE					
33882	SR514315	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/14/1981	4/16/2008		4/16/2008				FALSE	TRUE	TRUE					
33883	SR514316	SSG	EMPLACED_CNTR	1/31/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/14/1981	6/17/2008		6/17/2008				FALSE	TRUE	TRUE					
33884	SR514317	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/28/1981	7/28/1981		8/29/2007				FALSE	TRUE	TRUE					
33885	SR514318	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/28/1981	7/28/1981		8/29/2007				FALSE	TRUE	TRUE					
33886	SR514319	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/28/1981	4/8/2008		4/8/2008				FALSE	TRUE	TRUE					
33887	SR514320	SSG	EMPLACED_CNTR	6/15/2008	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/28/1981	7/28/1981		9/6/2007				FALSE	TRUE	TRUE					
33888	SR514321	SSG	EMPLACED_CNTR	6/7/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/28/1981	7/28/1981		7/25/2007				FALSE	TRUE	TRUE					
33889	SR514322	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/28/1981	4/1/2008		4/1/2008				FALSE	TRUE	TRUE					
33890	SR514323	SSG	EMPLACED_CNTR	5/2/2011 22:55	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/4/1981	1/22/2010		1/22/2010		NoVent		FALSE	TRUE	TRUE					
33891	SR514323A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWS_Updt	SR-W027-FB-PRE86-C	55300		0	7/16/2008		7/16/2008		1/8/2009			TRUE	TRUE	TRUE					
33892	SR514323B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNETSQLMaster	SR-W027-FB-PRE86-C	55300		0	1/22/2010		1/22/2010		7/17/2010	SR514323 is the parent container		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31893	SRS14324	SSG	APPROVED_CERT		7/16/2012 11:03	mccabed	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/4/1961	7/10/2012	1/26/2010	7/10/2012		NoVent; 221-F-55006 Tru Drum Repackaging	- Rplgd into SRS14324C	TRUE	TRUE	TRUE					
31894	SRS14324A	SSG	EMPLACED_CNTR	8/27/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	8/18/2008		8/18/2008		2/10/2009			TRUE	TRUE	TRUE					
31895	SRS14324B	SSG	EMPLACED_CNTR	4/26/2013 14:53	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	1/26/2010		1/26/2010		7/21/2010	SRS14324 is the parent container.		TRUE	TRUE	TRUE					
31896	SRS14324C	SSG	EMPLACED_CNTR	12/7/2012 9:29	7/16/2012 11:03	mccabed	SR-WI027-FB-PRE86-C	55300	None		7/10/2012		7/10/2012				- Rplgd was SRS14324	TRUE	TRUE	TRUE			SRS14324		Daughter
31897	SRS14325	SSG	EMPLACED_CNTR	2/22/2011 22:11	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/4/1961	1/26/2010		1/26/2010				FALSE	TRUE	TRUE					
31898	SRS14325A	SSG	EMPLACED_CNTR	8/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	8/19/2008		8/19/2008		2/11/2009			TRUE	TRUE	TRUE					
31899	SRS14325B	SSG	EMPLACED_CNTR	2/27/2011 11:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	1/26/2010		1/26/2010		7/21/2010			TRUE	TRUE	TRUE					
31900	SRS14326	SSG	EMPLACED_CNTR	12/6/2012 18:41	7/13/2012 8:24	mccabed	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/6/1961	1/21/2010		1/21/2010		NoVent		TRUE	TRUE	TRUE					
31901	SRS14326A	SSG	EMPLACED_CNTR	9/22/2009 23:25	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	8/28/2008		8/28/2008		2/10/2009			TRUE	TRUE	TRUE					
31902	SRS14326B	SSG	EMPLACED_CNTR	3/27/2011 14:26	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	1/21/2010		1/21/2010		7/16/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
31903	SRS14326C	SSG	EMPLACED_CNTR	3/19/2011 14:28	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	1/21/2010		1/21/2010		7/16/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
31904	SRS14327	SSG	EMPLACED_CNTR	3/25/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/6/1961	6/4/2008		6/4/2008				FALSE	TRUE	TRUE					
31905	SRS14327A	SSG	EMPLACED_CNTR	4/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/4/2008		6/4/2008		11/27/2008			TRUE	TRUE	TRUE					
31906	SRS14328	SSG	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/6/1961	8/28/2008		8/28/2008				FALSE	TRUE	TRUE					
31907	SRS14328A	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	8/28/2008		8/28/2008		2/20/2009			TRUE	TRUE	TRUE					
31908	SRS14329	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/6/1961	6/16/2008		6/16/2008				FALSE	TRUE	TRUE					
31909	SRS14329A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/16/2008		6/16/2008		12/9/2008			TRUE	TRUE	TRUE					
31910	SRS14330	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	8/6/1961	8/6/1961		5/24/2007				FALSE	TRUE	TRUE					
31911	SRS14331	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/27/1981	6/12/2008		6/12/2008				FALSE	TRUE	TRUE					
31912	SRS14332	SSG	APPROVED_CERT		7/13/2012 8:32	mccabed	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/27/1981	1/15/2010		1/15/2010		NoVent		TRUE	TRUE	TRUE					
31913	SRS14332A	SSG	EMPLACED_CNTR	6/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	9/11/2008		9/11/2008		3/6/2009			TRUE	TRUE	TRUE					
31914	SRS14332B	SSG	EMPLACED_CNTR	9/26/2011 23:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	1/15/2010		1/15/2010		7/10/2010	SRS14332 is the parent container.		TRUE	TRUE	TRUE					
31915	SRS14333	SSG	EMPLACED_CNTR	2/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	8/27/1981	8/27/1981		7/4/2007				FALSE	TRUE	TRUE					
31916	SRS14334	SSG	EMPLACED_CNTR	4/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	8/27/1981	6/4/2008		6/4/2008				FALSE	TRUE	TRUE					
31917	SRS14334A	SSG	EMPLACED_CNTR	2/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/4/2008		6/4/2008		11/27/2008			TRUE	TRUE	TRUE					
31918	SRS14335	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	8/27/1981	8/27/1981		7/4/2007				FALSE	TRUE	TRUE					
31919	SRS14336	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/3/1981	6/26/2007		6/26/2007				FALSE	TRUE	TRUE					
31920	SRS14336A	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/26/2007		6/26/2007		12/19/2007			TRUE	TRUE	TRUE					
31921	SRS14337	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/3/1981	9/3/1981		5/22/2007				FALSE	TRUE	TRUE					
31922	SRS14338	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/3/1981	4/3/2008		4/3/2008				FALSE	TRUE	TRUE					
31923	SRS14339	SSG	EMPLACED_CNTR	6/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/10/1981	9/10/1981		7/5/2007				FALSE	TRUE	TRUE					
31924	SRS14340	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	9/10/1981	9/10/1981		7/6/2007				FALSE	TRUE	TRUE					
31925	SRS14341	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/10/1981	9/10/1981		7/4/2007				FALSE	TRUE	TRUE					
31926	SRS14342	SSG	EMPLACED_CNTR	1/17/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/10/1981	9/10/1981		6/26/2005				FALSE	TRUE	TRUE					
31927	SRS14343	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	9/10/1981	9/10/1981		7/26/2007				FALSE	TRUE	TRUE					
31928	SRS14344	SSG	EMPLACED_CNTR	3/28/2010 14:16	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/15/1981	6/16/2008		6/16/2008				FALSE	TRUE	TRUE					
31929	SRS14344A	SSG	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/16/2008	12/30/2009	6/16/2008	12/30/2009	12/9/2008			TRUE	TRUE	TRUE					
31930	SRS14344B	SSG	EMPLACED_CNTR	2/7/2011 19:08	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	12/30/2009		12/30/2009		6/24/2010			TRUE	TRUE	TRUE					
31931	SRS14347	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/15/1981	6/26/2007		6/26/2007				FALSE	TRUE	TRUE					
31932	SRS14347A	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/26/2007		6/26/2007		12/19/2007			TRUE	TRUE	TRUE					
31933	SRS14359	SSG	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/29/1981	3/25/2008		3/25/2008				FALSE	TRUE	TRUE					
31934	SRS14360	SSG	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/29/1981	9/29/1981		8/4/2007				FALSE	TRUE	TRUE					
31935	SRS14361	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	9/29/1981	9/29/1981		7/24/2007				FALSE	TRUE	TRUE					
31936	SRS14362	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	9/29/1981	3/24/2008		3/24/2008				FALSE	TRUE	TRUE					
31937	SRS14362A	SSG	EMPLACED_CNTR	1/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	3/24/2008		3/24/2008		9/16/2008			TRUE	TRUE	TRUE					
31938	SRS14363	SSG	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	9/29/1981	9/29/1981		8/19/2007				FALSE	TRUE	TRUE					
31939	SRS14364	SSG	EMPLACED_CNTR	12/6/2002	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	9/29/1981		9/13/1998		3/18/1999			FALSE	TRUE	TRUE					
31940	SRS14365	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	9/29/1981		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
31941	SRS14366	SSG	EMPLACED_CNTR	11/13/2002	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	9/29/1981		9/13/1998		3/18/1999			FALSE	TRUE	TRUE					
31942	SRS14367	SSG	EMPLACED_CNTR	1/15/2003	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	9/29/1981		9/17/1998		3/12/1999			FALSE	TRUE	TRUE					
31943	SRS14368	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	10/6/1961	6/26/2007		6/26/2007				FALSE	TRUE	TRUE					
31944	SRS14369	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/6/1961	10/6/1961		8/3/2005				FALSE	TRUE	TRUE					
31945	SRS14370	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/6/1961	10/6/1961		6/18/2005				FALSE	TRUE	TRUE					
31946	SRS14371	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	10/6/1961	6/21/2007		6/21/2007				FALSE	TRUE	TRUE					
31947	SRS14372	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/15/1981	10/15/1981		6/17/2005				FALSE	TRUE	TRUE					
31948	SRS14373	SSG	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/15/1981	10/15/1981		6/23/2005				FALSE	TRUE	TRUE					
31949	SRS14374	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	10/15/1981	10/15/1981		9/15/2007				FALSE	TRUE	TRUE					
31950	SRS14375	SSG	EMPLACED_CNTR	4/4/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	10/15/1981	10/15/1981		9/1/2006				FALSE	TRUE	TRUE					
31951	SRS14376	SSG	EMPLACED_CNTR	12/11/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/15/1981	10/15/1981		6/21/2005				FALSE	TRUE	TRUE					
31952	SRS14377	SSG	EMPLACED_CNTR	3/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	10/15/1981	3/14/2008		3/14/2008				FALSE	TRUE	TRUE					
31953	SRS14378	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	10/29/1981	7/12/2007		7/12/2007				FALSE	TRUE	TRUE					
31954	SRS14379	SSG	EMPLACED_CNTR	11/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	10/29/1981	6/4/2008	11/18/1999	6/4/2008	5/10/2000			TRUE	TRUE	TRUE					
31955	SRS14379A	SSG	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/4/2008		6/4/2008		11/27/2008			TRUE	TRUE	TRUE					
31956	SRS14380	SSG	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	10/29/1981	10/29/1981		6/3/2007				FALSE	TRUE	TRUE					
31957	SRS14382	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	11/10/1981	11/10/1981		5/18/2007				FALSE	TRUE	TRUE					
31958	SRS14383	SSG	EMPLACED_CNTR	7/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	11/10/1981	11/10/1981		9/12/2007				FALSE	TRUE	TRUE					
31959	SRS14384	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	11/10/1981	8/12/2008		8/12/2008				FALSE	TRUE	TRUE					
31960	SRS14387	SSG	EMPLACED_CNTR	4/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	12/1/1981	6/5/2008		6/5/2008				TRUE	TRUE	TRUE					
31961	SRS14387A	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300		0	6/5/2008		6/5/2008		11/28/2008			TRUE	TRUE	TRUE					
31962	SRS14388	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	12/1/1981	12/1/1981		1/11/2008				FALSE	TRUE	TRUE					
31963	SRS14389	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	12/1/1981	6/12/2008		6/12/2008				FALSE	TRUE	TRUE					
31964	SRS14390	SSG	EMPLACED_CNTR	3/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	12/1/1981	12/1/1981		6/12/2007				FALSE	TRUE	TRUE					
31965	SRS14393	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	12/17/1981	12/17/1981		6/29/2007				FALSE	TRUE	TRUE					
31966	SRS14394	SSG	EMPLACED_CNTR	6/10/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	12/17/1981	12/17/1981		6/22/2007				FALSE	TRUE	TRUE					
31967	SRS14395	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	12/17/1981	12/17/1981		6/11/2007				FALSE	TRUE	TRUE					
31968	SRS14396	SSG	EMPLACED_CNTR	4/4/2011 21:17	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	12/17/1981	2/25/2010		2/25/2010		NoVent		FALSE	TRUE	TRUE					
31969	SRS14396A	SSG	EMPLACED_CNTR	5/3/2011 15:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	2/25/2010		2/25/2010		8/20/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
31970	SRS14396B	SSG	TMPLATED_CNTR	4/19/2013 14:13	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	2/25/2010		2/25/2010		8/20/2010			TRUE	TRUE	TRUE					
31971	SRS14396C	SSG	EMPLACED_CNTR	3/19/2011 14:28	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WI027-FB-PRE86-C	55300		0	2/25/2010		2/25/2010		8/20/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
31972	SRS14397	SSG	EMPLACED_CNTR	6/1/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	12/17/1981	12/17/1981		7/6/2007				FALSE	TRUE	TRUE					
31973	SRS14398	SSG	EMPLACED_CNTR	4/8/2009	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	12/17/1981	6/16/2008		6/16/2008				FALSE	TRUE	TRUE					
31974	SRS14399	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Purge	0	12/17/1981	12/17/1981		6/29/2007				FALSE	TRUE	TRUE					
31975	SRS14400	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	12/17/1981	12/17/1981		6/29/2007				FALSE	TRUE	TRUE					
31976	SRS14701	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	1/6/1961	5/27/2004		5/27/2004				FALSE	TRUE	TRUE					
31977	SRS14703	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	Remediate	1	3/24/1961	7/12/2007		7/12/2007				FALSE	TRUE	TRUE					
31978	SRS14704	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	3/24/1961	3/24/1961		5/4/2007				FALSE	TRUE	TRUE					
31979	SRS14705	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	4/2/1961	4/2/1961		7/26/2007				FALSE	TRUE	TRUE					
31980	SRS14706	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Updt	SR-WI027-FB-PRE86-C	55300	V&P Vent	0	4/2/1961	4/2/1961		5/5/2007				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13981	SR514707	SSG	EMPLACED_CNTR	8/22/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/4/1981	7/12/2007		7/12/2007				FALSE	TRUE	TRUE					
13982	SR514708	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/7/1981	3/27/2008		3/27/2008				TRUE	TRUE	TRUE					
13983	SR514708A	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/27/2008		3/27/2008		9/19/2008										
13984	SR514709	SSG	EMPLACED_CNTR	5/15/2011 14:20	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	4/7/1981	4/7/1981		7/26/2007		WMS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
13985	SR514710	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/7/1981	3/26/2008		3/26/2008				FALSE	TRUE	TRUE					
13986	SR514711	SSG	EMPLACED_CNTR	5/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/9/1981	4/9/1981		7/28/2007				FALSE	TRUE	TRUE					
13987	SR514712	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/28/1981	4/28/1981		7/3/2007				FALSE	TRUE	TRUE					
13988	SR514713	SSG	EMPLACED_CNTR	2/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	4/28/1981	4/28/1981		5/12/2007				FALSE	TRUE	TRUE					
13989	SR514714	SSG	EMPLACED_CNTR	11/21/2002	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	3/24/1981		8/25/1997		2/17/1998										
13990	SR514715	SWB			6/4/2013 13:26	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/28/1981	5/21/2013	10/10/2012	5/21/2013		NoVent; BE Percent Weight column changed to TRUE per LWatson email 111512; NOP 221-H-8827	- Rpkgd into SR514715A - Rpkgd into SR514715B - Rpkgd into SR514715C Rpkgd into SR514715E - Rpkgd into SR514715F	TRUE	TRUE	TRUE		SR514715		Daughter
13991	SR514715A	SSG	APPROVED_CERT		11/15/2012 9:00	mccabed	SR-W027-FB-PRE86-C	SS300	None		10/10/2012		10/10/2012			Added per LWatson email 111512	- Rpkgd was SR514715	TRUE	TRUE	TRUE		SR514715		Daughter
13992	SR514715B	SSG	APPROVED_CERT		11/15/2012 9:30	mccabed	SR-W027-FB-PRE86-C	SS300	None		10/10/2012		10/10/2012			Added per LWatson email 111512	- Rpkgd was SR514715	TRUE	TRUE	TRUE		SR514715		Daughter
13993	SR514715C	SSG	APPROVED_CERT		11/15/2012 9:30	mccabed	SR-W027-FB-PRE86-C	SS300	None		10/10/2012		10/10/2012			Added per LWatson email 111512	- Rpkgd was SR514715	TRUE	TRUE	TRUE		SR514715		Repack
13994	SR514715E	SSG	APPROVED_CERT		6/4/2013 13:26	mccabed	SR-W027-FB-PRE86-C	SS300	None		5/21/2013		5/21/2013				- Rpkgd was SR514715	TRUE	TRUE	TRUE		SR514715		Repack
13995	SR514715F	SSG	APPROVED_CERT		6/4/2013 13:26	mccabed	SR-W027-FB-PRE86-C	SS300	None		5/21/2013		5/21/2013					FALSE	TRUE	TRUE					
13996	SR514716	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/5/1981	5/5/1981		6/3/2007				FALSE	TRUE	TRUE					
13997	SR514717	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/5/1981	7/9/2007		7/9/2007				FALSE	TRUE	TRUE					
13998	SR514718	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/5/1981		8/26/1997		2/18/1998			FALSE	TRUE	TRUE					
13999	SR514719	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/5/1981	5/5/1981		5/14/2007				FALSE	TRUE	TRUE					
14000	SR514720	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/5/1981	5/5/1981		5/14/2007				FALSE	TRUE	TRUE					
14001	SR514721	SSG	EMPLACED_CNTR	8/5/2006	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/5/1981		9/3/1997		2/26/1998			FALSE	TRUE	TRUE					
14002	SR514722	SSG	EMPLACED_CNTR	9/11/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/5/1981	1/11/2004	8/19/1997	1/11/2004	2/11/1998			FALSE	TRUE	TRUE					
14003	SR514723	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	5/5/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
14004	SR514725	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/12/1981	8/11/2008		8/11/2008				TRUE	TRUE	TRUE					
14005	SR514725A	SSG	EMPLACED_CNTR	8/24/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	8/11/2008		8/11/2008		2/3/2009			FALSE	TRUE	TRUE					
14006	SR514726	SSG	EMPLACED_CNTR	3/29/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/12/1981	6/30/2008		6/30/2008				TRUE	TRUE	TRUE					
14007	SR514726A	SSG	EMPLACED_CNTR	11/1/2006	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/30/2008		6/30/2008		12/23/2008			FALSE	TRUE	TRUE					
14008	SR514727	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/12/1981	6/30/2008		6/30/2008				FALSE	TRUE	TRUE					
14009	SR514728	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/14/1981	7/28/2008		7/28/2008				FALSE	TRUE	TRUE					
14010	SR514729	SSG	EMPLACED_CNTR	6/30/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	5/14/1981	5/14/1981		11/7/2007				FALSE	TRUE	TRUE					
14011	SR514730	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/14/1981	7/11/2007		7/11/2007				TRUE	TRUE	TRUE					
14012	SR514730A	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/11/2007		7/11/2007		1/3/2008			FALSE	TRUE	TRUE					
14013	SR514731	SSG	EMPLACED_CNTR	1/30/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/26/1981	5/28/1981		9/8/2007				FALSE	TRUE	TRUE					
14014	SR514732	SSG	EMPLACED_CNTR	4/30/2013 14:13	7/16/2012 11:06	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/28/1981	7/10/2012	1/22/2010	7/10/2012		NoVent; 221-F-SS006 Tru Drum Repackaging	- Rpkgd into SR514732B	TRUE	TRUE	TRUE					
14015	SR514732A	SSG	EMPLACED_CNTR	9/26/2011 23:42	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/22/2010		1/22/2010		7/17/2010			TRUE	TRUE	TRUE		SR514732			Daughter
14016	SR514732B	SSG	APPROVED_CERT		7/16/2012 11:06	mccabed	SR-W027-FB-PRE86-C	SS300	None		7/10/2012		7/10/2012				- Rpkgd was SR514732	TRUE	TRUE	TRUE					
14017	SR514733	SSG	APPROVED_CERT		7/13/2012 9:34	mccabed	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/2/1981	6/2/1981		7/27/2007				FALSE	TRUE	TRUE					
14018	SR514734	SSG	EMPLACED_CNTR	3/16/2011 20:03	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/2/1981	1/25/2010		1/25/2010		WMS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
14019	SR514734A	SSG	EMPLACED_CNTR	11/14/2012 14:36	8/15/2012 13:05	mccabed	SR-W027-FB-PRE86-C	SS300		0	1/25/2010	7/24/2012	1/25/2010	7/24/2012		221-F-SS006 Tru Drum Repackaging	- Rpkgd into SR514734B - Rpkgd was SR514734A	TRUE	TRUE	TRUE		SR514734A		Daughter
14020	SR514734B	SSG			8/15/2012 13:05	mccabed	SR-W027-FB-PRE86-C	SS300		0	7/24/2012		7/24/2012					FALSE	TRUE	TRUE					
14021	SR514735	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/2/1981	6/4/2008		6/4/2008				TRUE	TRUE	TRUE					
14022	SR514735A	SSG	EMPLACED_CNTR	3/17/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/4/2008		6/4/2008		12/17/2008			FALSE	TRUE	TRUE					
14023	SR514736	SSG	EMPLACED_CNTR	12/11/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/28/1981	5/28/1981		5/8/2007				FALSE	TRUE	TRUE					
14024	SR514737	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/28/1981	6/11/2008		6/11/2008				FALSE	TRUE	TRUE					
14025	SR514738	SSG	EMPLACED_CNTR	2/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	5/27/1981	5/27/1981		7/25/2007				FALSE	TRUE	TRUE					
14026	SR514739	SSG	EMPLACED_CNTR	3/27/2011 13:05	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	5/28/1981	6/12/2008		6/12/2008		WMS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
14027	SR514741B	SSG	EMPLACED_CNTR	3/19/2011 14:27	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	1/23/2010		1/23/2010		7/18/2010	WMS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
14028	SR514742	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/25/1981	6/25/1981		9/15/2007				FALSE	TRUE	TRUE					
14029	SR514749	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	6/25/1981	6/25/1981		12/19/2007				FALSE	TRUE	TRUE					
14030	SR514750	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	6/25/1981	6/25/1981		7/26/2007				FALSE	TRUE	TRUE					
14031	SR514757	SSG	EMPLACED_CNTR	11/28/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/19/1981	3/19/1981		6/5/2007				FALSE	TRUE	TRUE					
14032	SR514764	SSG	EMPLACED_CNTR	3/19/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/19/1981	3/19/1981		11/13/2007				FALSE	TRUE	TRUE					
14033	SR514765	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/19/1981	7/11/2007		7/11/2007				TRUE	TRUE	TRUE					
14034	SR514765A	SSG	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/11/2007		7/11/2007		1/3/2008			FALSE	TRUE	TRUE					
14035	SR514768	SSG	EMPLACED_CNTR	12/5/2002	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/16/1980		10/7/1997		4/1/1998			FALSE	TRUE	TRUE					
14036	SR514769	SSG	EMPLACED_CNTR	7/14/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/16/1980		10/6/1997		3/31/1998			FALSE	TRUE	TRUE					
14037	SR514770	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	12/16/1980		9/26/1997		3/21/1998			FALSE	TRUE	TRUE					
14038	SR514771	SSG	EMPLACED_CNTR	1/25/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/16/1980	7/10/2007	9/13/1997	7/10/2007	3/6/1998			FALSE	TRUE	TRUE					
14039	SR514772	SSG	APPROVED_CERT		7/13/2012 9:25	mccabed	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/23/1980	1/14/2010		1/14/2010		NoVent		TRUE	TRUE	TRUE					
14040	SR514772A	SSG	EMPLACED_CNTR	5/2/2011 22:33	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/14/2010		1/14/2010		7/9/2010	WMS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
14041	SR514772B	SSG	EMPLACED_CNTR	2/7/2011 18:09	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/14/2010		1/14/2010		7/9/2010			FALSE	TRUE	TRUE					
14042	SR514773	SSG	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	12/23/1980	12/23/1980		5/28/2007				FALSE	TRUE	TRUE					
14043	SR514774	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	12/6/1980	9/27/2006		9/27/2006				FALSE	TRUE	TRUE					
14044	SR514775	SSG	EMPLACED_CNTR	12/6/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/15/1981	1/15/1981		5/11/2007				FALSE	TRUE	TRUE					
14045	SR514776	SSG	EMPLACED_CNTR	1/17/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	1/15/1981		9/11/1997		3/6/1998			FALSE	TRUE	TRUE					
14046	SR514777	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/15/1981	1/15/1981		8/26/2006				FALSE	TRUE	TRUE					
14047	SR514778	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/15/1981	1/15/1981		5/4/2004				FALSE	TRUE	TRUE					
14048	SR514779	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/20/1981	3/25/2008		3/25/2008				FALSE	TRUE	TRUE					
14049	SR514780	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/20/1981	1/20/1981		5/10/2004				FALSE	TRUE	TRUE					
14050	SR514781	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/27/1981	7/11/2008		7/11/2008				TRUE	TRUE	TRUE					
14051	SR514781A	SSG	APPROVED_CERT		4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/11/2008	12/30/2009	7/11/2008	12/30/2009	1/3/2009			TRUE	TRUE	TRUE					
14052	SR514781B	SSG	EMPLACED_CNTR	2/17/2011 13:34	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-FB-PRE86-C	SS300		0	12/30/2009		12/30/2009		6/24/2010			FALSE	TRUE	TRUE					
14053	SR514782	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/27/1981	1/27/1981		8/30/2006				FALSE	TRUE	TRUE					
14054	SR514784	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1981	6/25/2007		6/25/2007				TRUE	TRUE	TRUE					
14055	SR514784A	SSG	EMPLACED_CNTR	10/29/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/25/2007		6/25/2007		12/18/2007			FALSE	TRUE	TRUE					
14056	SR514785	SSG	EMPLACED_CNTR	2/16/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/10/1981	7/10/1981		4/24/2006				FALSE	TRUE	TRUE					
14057	SR514786	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/10/1981	6/21/2007		6/21/2007				FALSE	TRUE	TRUE					
14058	SR514787	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/18/1981	6/21/2007		6/21/2007				FALSE	TRUE	TRUE					
14059	SR514788	SSG	EMPLACED_CNTR	2/14/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/18/1981	2/18/1981		4/18/2006				FALSE	TRUE	TRUE					
14060	SR514789	SSG	EMPLACED_CNTR	1/31/2008	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1981	7/11/2007		7/11/2007				FALSE	TRUE	TRUE					
14061	SR514790	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/24/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
14062	SR514791	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/24/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
14063	SR514792	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/24/1981		9/2/1997		2/25/1998			FALSE	TRUE	TRUE					
14064	SR514793	SSG	EMPLACED_CNTR	1/23/2004	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/24/1981		9/22/1997		3/17/1998			FALSE	TRUE	TRUE					
14065	SR514795	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WMS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/3/1981	3/3/1981		5/11/2007				FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34066	SR514796	SSG	EMPLACED_CNTR	2/1/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/3/1981	3/3/1981		5/11/2007				FALSE	TRUE	TRUE					
34067	SR515911	SSG	EMPLACED_CNTR	7/23/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	1/19/1982	1/19/1982		7/29/2007				FALSE	TRUE	TRUE					
34068	SR515912	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/19/1982	1/19/1982		7/29/2007				FALSE	TRUE	TRUE					
34069	SR515913	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/19/1982	1/19/1982		7/29/2007				FALSE	TRUE	TRUE					
34070	SR515914	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/19/1982	1/19/1982		7/29/2007				FALSE	TRUE	TRUE					
34071	SR515915	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	1/19/1982	1/19/1982		7/29/2007				FALSE	TRUE	TRUE					
34072	SR515917	SSG	EMPLACED_CNTR	10/19/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/19/1982	4/1/2008		4/1/2008				FALSE	TRUE	TRUE					
34073	SR515918	SSG	EMPLACED_CNTR	5/15/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/19/1982	7/30/2008		7/30/2008				FALSE	TRUE	TRUE					
34074	SR515919	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/19/1982	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
34075	SR515919A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	4/4/2008		4/4/2008		9/27/2008			TRUE	TRUE	TRUE					
34076	SR515920	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	1/19/1982	1/19/1982		1/20/2008				FALSE	TRUE	TRUE					
34077	SR515922	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/26/1982	3/24/2008		3/24/2008				FALSE	TRUE	TRUE					
34078	SR515922A	SSG	EMPLACED_CNTR	11/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/24/2008		3/24/2008		9/16/2008			FALSE	TRUE	TRUE					
34079	SR515923	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	1/26/1982	3/27/2008		3/27/2008				FALSE	TRUE	TRUE					
34080	SR515923A	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	3/27/2008		3/27/2008		9/19/2008			FALSE	TRUE	TRUE					
34081	SR515924	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/4/1982	3/4/1982		1/22/2008											
34082	SR515925	SSG	EMPLACED_CNTR	12/15/2012 13:44	6/18/2012 9:19	mccabed	SR-WG27-FB-PRE86-C	S5300	Remediate	0	3/4/1982	2/16/2010		2/16/2010		NoVent; Added BE less than 1% per MPapp email 061512.		TRUE	TRUE	TRUE					
34083	SR515925A	SSG	EMPLACED_CNTR	4/11/2011 21:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	2/16/2010		2/16/2010		8/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34084	SR515925B	SSG	EMPLACED_CNTR	3/22/2013 22:18	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	2/16/2010		2/16/2010		8/11/2010	WWIS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
34085	SR515926	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/4/1982	3/4/1982		7/19/2005				FALSE	TRUE	TRUE					
34086	SR515927	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/4/1982	3/4/1982		9/7/2006				FALSE	TRUE	TRUE					
34087	SR515928	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/4/1982	3/4/1982		7/19/2005				FALSE	TRUE	TRUE					
34088	SR515929	SSG	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/4/1982	3/4/1982		7/17/2005				FALSE	TRUE	TRUE					
34089	SR515930	SSG	EMPLACED_CNTR	5/3/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/4/1982	3/4/1982		8/23/2006											
34090	SR515931	SSG	APPROVED_CERT		6/18/2012 9:24	mccabed	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/18/1982	1/22/2010		1/22/2010		NoVent; added BE less than 1% per MPapp email 061512.		TRUE	TRUE	TRUE					
34091	SR515931A	SSG	EMPLACED_CNTR	2/17/2011 13:33	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/22/2010		1/22/2010		7/17/2010			TRUE	TRUE	TRUE					
34092	SR515931B	SSG	EMPLACED_CNTR	4/3/2011 11:16	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/22/2010		1/22/2010		7/17/2010	SR515931 is the parent containe		FALSE	TRUE	TRUE					
34093	SR515932	SSG	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/18/1982	6/27/2008		6/27/2008				TRUE	TRUE	TRUE					
34094	SR515932A	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	6/27/2008		6/27/2008		12/20/2008											
34095	SR515932B	SSG	APPROVED_CERT		6/11/2012 15:36	mccabed	SR-WG27-FB-PRE86-C	S5300	Remediate	0	6/30/2008	5/24/2012	1/14/2010	5/24/2012		221-F-55006	- Rpkgd into SR515932E - Rpkgd into SR515932F - Rpkgd into SR515932G - Rpkgd into SR515932H	TRUE	TRUE	TRUE					
34096	SR515932C	SSG	APPROVED_CERT		6/13/2012 16:11	mccabed	SR-WG27-FB-PRE86-C	S5300		0	1/14/2010	6/5/2012	1/14/2010	6/5/2012		SR515932B is the parent container; 221-F-55006		TRUE	TRUE	TRUE					
34097	SR515932D	SSG	EMPLACED_CNTR	4/4/2011 21:37	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/14/2010		1/14/2010		7/19/2010	SR515932B is the parent container.		TRUE	TRUE	TRUE					
34098	SR515932E	SSG	APPROVED_CERT		6/11/2012 15:35	mccabed	SR-WG27-FB-PRE86-C	S5300	None	0	5/24/2012		5/24/2012				- Rpkgd was SR515932B	TRUE	TRUE	TRUE			SR515932B		Daughter
34099	SR515932F	SSG	EMPLACED_CNTR	11/18/2012 12:54	6/11/2012 15:35	mccabed	SR-WG27-FB-PRE86-C	S5300	None	0	5/24/2012		5/24/2012				- Rpkgd was SR515832B	TRUE	TRUE	TRUE			SR515932B		Daughter
34100	SR515932G	SSG	EMPLACED_CNTR	9/20/2012 13:39	6/13/2012 16:11	mccabed	SR-WG27-FB-PRE86-C	S5300		0	6/5/2012		6/5/2012				- Rpkgd was SR515932C	TRUE	TRUE	TRUE			SR515932C		Daughter
34101	SR515932H	SSG	EMPLACED_CNTR	9/20/2012 13:39	6/13/2012 16:11	mccabed	SR-WG27-FB-PRE86-C	S5300		0	6/5/2012		6/5/2012												
34102	SR515933	SSG	EMPLACED_CNTR	12/6/2012 13:41	6/28/2012 12:58	mccabed	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/18/1982	1/15/2010		1/15/2010		NoVent; Updated BE information per MPapp email 062812.		TRUE	TRUE	TRUE					
34103	SR515933A	SSG	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	7/29/2008		7/29/2008		1/21/2009			TRUE	TRUE	TRUE					
34104	SR515933B	SSG	EMPLACED_CNTR	9/26/2011 23:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/15/2010		1/15/2010		7/19/2010	SR515933 is the parent container.		FALSE	TRUE	TRUE					
34105	SR515934	SSG	EMPLACED_CNTR	7/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/18/1982	3/19/2008		3/19/2008				FALSE	TRUE	TRUE					
34106	SR515935	SSG	EMPLACED_CNTR	3/19/2011 14:27	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/18/1982	1/25/2010		1/25/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34107	SR515935A	SSG	EMPLACED_CNTR	4/3/2011 9:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010			TRUE	TRUE	TRUE					
34108	SR515935B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010			TRUE	TRUE	TRUE					
34109	SR515936	SSG	EMPLACED_CNTR	12/7/2012 9:29	7/13/2012 9:33	mccabed	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/23/1982	1/27/2010		1/27/2010		NoVent		TRUE	TRUE	TRUE					
34110	SR515936A	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/27/2010		1/27/2010		7/22/2010			TRUE	TRUE	TRUE					
34111	SR515936B	SSG	EMPLACED_CNTR	3/19/2011 14:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5100		0	1/27/2010		1/27/2010		7/22/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34112	SR515936C	SSG	EMPLACED_CNTR	3/19/2011 14:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/27/2010		1/27/2010		7/22/2010	WWIS_Status:APPROVED_CERT		FALSE	TRUE	TRUE					
34113	SR515937	SSG	EMPLACED_CNTR	7/11/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/23/1982	3/23/1982		11/8/2007				FALSE	TRUE	TRUE					
34114	SR515938	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	3/23/1982	6/11/2008		6/11/2008				FALSE	TRUE	TRUE					
34115	SR515939	SSG	EMPLACED_CNTR	2/11/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/23/1982	3/23/1982		11/9/2007				FALSE	TRUE	TRUE					
34116	SR515940	SSG	EMPLACED_CNTR	2/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	3/23/1982	3/23/1982		4/10/2006				FALSE	TRUE	TRUE					
34117	SR515941	SSG	EMPLACED_CNTR	6/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	3/23/1982	3/23/1982		4/9/2008				FALSE	TRUE	TRUE					
34118	SR515942	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	4/15/1982	4/15/1982		7/1/2005				FALSE	TRUE	TRUE					
34119	SR515943	SSG	EMPLACED_CNTR	5/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	4/15/1982	4/15/1982		9/1/2006				FALSE	TRUE	TRUE					
34120	SR515944	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	4/15/1982	1/23/2010		1/23/2010		NoVent		TRUE	TRUE	TRUE					
34121	SR515945	SSG	EMPLACED_CNTR	9/26/2011 23:46	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	6/18/2008		6/18/2008		12/11/2008			TRUE	TRUE	TRUE					
34122	SR515945A	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	1/23/2010		1/23/2010		7/18/2010	SR515945 is the parent container.		TRUE	TRUE	TRUE					
34123	SR515945B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/23/2010		1/23/2010					FALSE	TRUE	TRUE					
34124	SR515946	SSG	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	4/15/1982	6/30/2008		6/30/2008				TRUE	TRUE	TRUE					
34125	SR515946A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	6/30/2008		6/30/2008		12/23/2008			TRUE	TRUE	TRUE					
34126	SR515946B	SSG	EMPLACED_CNTR	4/11/2011 21:27	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	0	6/30/2008	1/25/2010	6/30/2008	1/25/2010	12/23/2008			TRUE	TRUE	TRUE					
34127	SR515946C	SSG	EMPLACED_CNTR	10/30/2011 13:35	4/28/2011 6:00	idcwebuser	SR-WG27-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010	SR515946B is the parent container.		TRUE	TRUE	TRUE					
34128	SR515946D	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010	SR515946B is the parent container.		FALSE	TRUE	TRUE					
34129	SR515947	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	4/15/1982	4/15/1982		7/16/2004				FALSE	TRUE	TRUE					
34130	SR515948	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	4/15/1982	4/15/1982		7/3/2004				FALSE	TRUE	TRUE					
34131	SR515949	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	4/27/1982	4/27/1982		4/17/2005				FALSE	TRUE	TRUE					
34132	SR515950	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	4/27/1982	4/27/1982		7/28/2004				FALSE	TRUE	TRUE					
34133	SR515951	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	4/27/1982	11/29/2004		11/29/2004				FALSE	TRUE	TRUE					
34134	SR515952	SSG	EMPLACED_CNTR	3/31/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Vent	0	4/27/1982	4/27/1982		9/1/2006				FALSE	TRUE	TRUE					
34135	SR515953	SSG	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	5/20/1982	5/20/1982		4/12/2005				FALSE	TRUE	TRUE					
34136	SR515954	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	5/20/1982	5/20/1982		2/28/2007											
34137	SR515955	SSG	APPROVED_CERT		10/15/2012 14:02	mccabed	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	5/20/1982	10/10/2012	4/8/2005	10/10/2012		NoVent; 221-F-55113	- Rpkgd into SR515955A - Rpkgd into SR515955B	FALSE	TRUE	TRUE					
34138	SR515955A	SSG	APPROVED_CERT		10/15/2012 14:01	mccabed	SR-WG27-FB-PRE86-C	S5300	None	0	10/10/2012		10/10/2012				- Rpkgd was SR515955	FALSE	TRUE	TRUE			SR515955		Daughter
34139	SR515955B	SSG	APPROVED_CERT		10/15/2012 14:02	mccabed	SR-WG27-FB-PRE86-C	S5300	None	0	10/10/2012		10/10/2012				- Rpkgd was SR515955	FALSE	TRUE	TRUE			SR515955		Daughter
34140	SR515956	SSG	EMPLACED_CNTR	4/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	5/20/1982	7/1/2004		7/1/2008				TRUE	TRUE	TRUE					
34141	SR515956A	SSG	EMPLACED_CNTR		4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	0	7/1/2008	1/8/2010	7/1/2008	1/8/2010	12/24/2008			TRUE	TRUE	TRUE					
34142	SR515956B	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-WG27-FB-PRE86-C	S5300		0	1/8/2010		1/8/2010		7/3/2010	SR515956A is the parent container		FALSE	TRUE	TRUE					
34143	SR515957	SSG	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	5/20/1982	5/20/1982		8/16/2004				FALSE	TRUE	TRUE					
34144	SR515958	SSG	EMPLACED_CNTR	10/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	5/20/1982	4/4/2008		4/4/2008				FALSE	TRUE	TRUE					
34145	SR515960	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	Remediate	1	5/20/1982	7/2/2005	9/15/1998	7/2/2005	3/10/1999			FALSE	TRUE	TRUE					
34146	SR515973	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300	V&P Purge	0	6/3/1982	6/3/1982		7/24/2004				FALSE	TRUE	TRUE					
34147	SR515974	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WG27-FB-PRE86-C	S5300		0	6/3/1982		8/13/1998	2/5/1999											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34148	SR515975		55G	EMPLACED_CNTR	7/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/3/1982	6/3/1982		7/24/2004			FALSE	TRUE	TRUE					
34149	SR515976		55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/3/1982	6/3/1982		7/25/2004			FALSE	TRUE	TRUE					
34150	SR515977		55G	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/3/1982	5/16/2007		5/16/2007			FALSE	TRUE	TRUE					
34151	SR515978		55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/3/1982	6/3/1982		7/22/2004			FALSE	TRUE	TRUE					
34152	SR515979		55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/3/1982		8/11/1998		2/3/1999		FALSE	TRUE	TRUE					
34153	SR515980		55G	EMPLACED_CNTR	6/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/3/1982		8/13/1998		2/5/1999		TRUE	TRUE	TRUE					
34154	SR515984		55G	APPROVED_CERT		7/13/2012 8:25	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/17/1982	5/10/2012	1/22/2010	5/10/2012		221-F-55006 Tru Drum Repackaging.	TRUE	TRUE	TRUE					
34155	SR515984A		55G	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/22/2010		1/22/2010		7/17/2010		TRUE	TRUE	TRUE					
34156	SR515984B		55G	EMPLACED_CNTR	10/18/2011 19:52	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/22/2010		1/22/2010		7/17/2010	SR515984 is the parent container.	TRUE	TRUE	TRUE					
34157	SR515985		55G	EMPLACED_CNTR	3/22/2011 22:19	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/17/1982	2/24/2010		2/24/2010		WWIS_Status:APPROVED_CERT	FALSE	TRUE	TRUE					
34158	SR515985A		55G	EMPLACED_CNTR	12/15/2012 13:44	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	0	9/16/2008	1/25/2010	9/16/2008	1/25/2010	3/11/2009		TRUE	TRUE	TRUE					
34159	SR515985B		55G	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010		TRUE	TRUE	TRUE					
34160	SR515985C		55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010	SR515985A is the parent container.	TRUE	TRUE	TRUE					
34161	SR515985D		55G	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	1/25/2010		1/25/2010		7/20/2010		TRUE	TRUE	TRUE					
34162	SR515985E		55G	EMPLACED_CNTR	3/24/2011 19:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/24/2010		1/24/2010		8/19/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34163	SR515985F		55G	EMPLACED_CNTR	11/10/2012 15:18	6/6/2012 16:17	mccabed	SR-W027-FB-PRE86-C	S5300		0	2/24/2010	5/30/2012	2/24/2010	5/30/2012		- Rpkgd into SR515985H - Rpkgd into SR515985I 221-F-55006 Tru Drum Repackaging.	TRUE	TRUE	TRUE					
34164	SR515985G		55G	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/24/2010		2/24/2010		8/19/2010		TRUE	TRUE	TRUE					
34165	SR515985H		55G	EMPLACED_CNTR	11/18/2012 12:54	6/6/2012 16:16	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/30/2012		5/30/2012			- Rpkgd was SR515985F	TRUE	TRUE	TRUE			SR515985F		Daughter
34166	SR515985I		55G	APPROVED_CERT		6/6/2012 16:17	mccabed	SR-W027-FB-PRE86-C	S5300		0	5/30/2012		5/30/2012			- Rpkgd was SR515985F	TRUE	TRUE	TRUE			SR515985F		Daughter
34167	SR515986		55G	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/17/1982	6/17/1982		6/30/2004			FALSE	TRUE	TRUE					
34168	SR515987		55G	EMPLACED_CNTR	6/24/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/17/1982	6/17/1982		7/3/2004			FALSE	TRUE	TRUE					
34169	SR515988		55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/17/1982	6/17/1982		6/26/2004			FALSE	TRUE	TRUE					
34170	SR515989		55G	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	6/17/1982	6/17/1982		6/26/2004			FALSE	TRUE	TRUE					
34171	SR515990A		SWB			8/29/2013 14:28	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	5/8/2013	8/26/2013	5/8/2013	8/26/2013		NOP 221-H-6827	- Rpkgd was SR515990 - Rpkgd into SR515990C - Rpkgd into SR515990D - Rpkgd into SR515990E	TRUE	TRUE	TRUE					
34172	SR515990B		55G	APPROVED_CERT		6/11/2013 7:17	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	5/8/2013		5/8/2013			NOP 221-H-6827	- Rpkgd was SR515990	TRUE	TRUE	TRUE			SR515990		Repack
34173	SR515990C		55G			8/29/2013 14:27	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	8/26/2013		8/26/2013				- Rpkgd was SR515990 - Rpkgd was SR515990A	TRUE	TRUE	TRUE			SR515990A	SR515990	Repack
34174	SR515990D		55G			8/29/2013 14:27	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	8/26/2013		8/26/2013				- Rpkgd was SR515990 - Rpkgd was SR515990A	TRUE	TRUE	TRUE			SR515990A		Daughter
34175	SR515990E		55G			8/29/2013 14:28	mccabed	SR-W027-FB-PRE86-C	S5300	None	0	8/26/2013		8/26/2013				- Rpkgd was SR515990 - Rpkgd was SR515990A	TRUE	TRUE	TRUE			SR515990A		Daughter
34176	SR515991		55G	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/17/1982	6/16/2008		6/16/2008			FALSE	TRUE	TRUE					
34177	SR515991A		55G	EMPLACED_CNTR	11/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/16/2008		6/16/2008		12/9/2008		TRUE	TRUE	TRUE					
34178	SR515991B		55G	EMPLACED_CNTR	2/7/2011 19:09	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/16/2008	12/29/2009	6/16/2008	12/29/2009	12/9/2008		TRUE	TRUE	TRUE					
34179	SR515991C		55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	12/29/2009		12/29/2009		6/23/2010	1st daughter drum of SR515991B	TRUE	TRUE	TRUE					
34180	SR515991D		55G	EMPLACED_CNTR	2/7/2011 19:09	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	12/29/2009		12/29/2009		6/23/2010		TRUE	TRUE	TRUE					
34181	SR515992		55G	APPROVED_CERT		7/13/2012 9:23	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	6/12/2008		6/12/2008		NoVent	FALSE	TRUE	TRUE					
34182	SR515993		55G	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	7/31/2008		7/1/2008			TRUE	TRUE	TRUE					
34183	SR515993A		55G	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/31/2008	7/31/2008	7/31/2008	11/3/2008	1/23/2009		TRUE	TRUE	TRUE					
34184	SR515993B		55G	EMPLACED_CNTR	11/16/2010 22:35	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/31/2008	1/11/2010	7/31/2008	1/11/2010	1/23/2009		TRUE	TRUE	TRUE					
34185	SR515993C		55G	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/31/2008		7/31/2008		9/16/2008		TRUE	TRUE	TRUE					
34186	SR515993D		55G	EMPLACED_CNTR	9/26/2011 23:46	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/31/2008	3/26/2010	7/31/2008	3/26/2010	1/23/2009		TRUE	TRUE	TRUE					
34187	SR515993E		55G	EMPLACED_CNTR		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	1/11/2010		1/11/2010		7/6/2010	SR515993B is the parent container.	TRUE	TRUE	TRUE					
34188	SR515993F		55G	EMPLACED_CNTR	3/24/2011 19:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	3/26/2010		3/26/2010		9/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34189	SR515993G		55G	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	3/26/2010		3/26/2010		9/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34190	SR515993H		55G	EMPLACED_CNTR	3/22/2011 14:56	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	3/26/2010		3/26/2010		9/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34191	SR515993I		55G	EMPLACED_CNTR	4/11/2011 21:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	3/26/2010		3/26/2010		9/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34192	SR515994		55G	EMPLACED_CNTR	4/8/2011 11:16	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	4/8/2010		4/8/2010		NoVent	FALSE	TRUE	TRUE					
34193	SR515994A		55G	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	8/4/2008		8/4/2008		1/27/2009		TRUE	TRUE	TRUE					
34194	SR515994B		55G	EMPLACED_CNTR	11/13/2009 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			8/4/2008		8/4/2008		9/20/2008		TRUE	TRUE	TRUE					
34195	SR515994C		55G	EMPLACED_CNTR	11/24/2010 20:13	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			8/4/2008		8/4/2008		9/20/2008		TRUE	TRUE	TRUE					
34196	SR515994D		55G	EMPLACED_CNTR	2/27/2011 10:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	4/8/2010		4/8/2010		10/1/2010		FALSE	TRUE	TRUE					
34197	SR515995		55G	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	7/16/2008		7/16/2008			TRUE	TRUE	TRUE					
34198	SR515995A		55G	EMPLACED_CNTR	4/7/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	7/16/2008		7/16/2008		1/8/2009		TRUE	TRUE	TRUE					
34199	SR515995B		55G	EMPLACED_CNTR	3/24/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			7/16/2008		7/16/2008		9/1/2008		TRUE	TRUE	TRUE					
34200	SR515996		55G	EMPLACED_CNTR	11/4/2012 12:45	7/13/2012 8:31	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	2/23/2010		2/23/2010		NoVent	TRUE	TRUE	TRUE					
34201	SR515996A		55G	EMPLACED_CNTR	3/22/2011 22:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE85-C	S5300		0	2/23/2010		2/23/2010		8/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34202	SR515996B		55G	EMPLACED_CNTR	3/22/2011 22:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE85-C	S5300		0	2/23/2010		2/23/2010		8/18/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34203	SR515996C		55G	EMPLACED_CNTR	12/7/2012 9:29	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/23/2010		2/23/2010		8/18/2010		FALSE	TRUE	TRUE					
34204	SR515997		55G	EMPLACED_CNTR	11/13/2009 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	9/15/2008		9/15/2008			TRUE	TRUE	TRUE					
34205	SR515997A		55G	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/16/2008		6/16/2008		12/11/2008		TRUE	TRUE	TRUE					
34206	SR515997B		55G	EMPLACED_CNTR	11/13/2009 13:24	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/15/2008		9/15/2008		3/10/2009		FALSE	TRUE	TRUE					
34207	SR515998		55G	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	6/5/2008		6/5/2008			TRUE	TRUE	TRUE					
34208	SR515998A		55G	EMPLACED_CNTR	8/14/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/5/2008		6/5/2008		11/28/2008		TRUE	TRUE	TRUE					
34209	SR515999		55G	EMPLACED_CNTR	11/4/2012 12:45	7/13/2012 9:22	mccabed	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/22/1982	2/24/2010		2/24/2010		NoVent	TRUE	TRUE	TRUE					
34210	SR515999A		55G	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/24/2010		2/24/2010		8/19/2010		TRUE	TRUE	TRUE					
34211	SR515999B		55G	EMPLACED_CNTR	3/22/2011 22:19	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/24/2010		2/24/2010		8/19/2010	WWIS_Status:APPROVED_CERT	TRUE	TRUE	TRUE					
34212	SR515999C		55G	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/24/2010		2/24/2010		8/19/2010		TRUE	TRUE	TRUE					
34213	SR518000		55G	EMPLACED_CNTR	4/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/29/1982	5/13/2003	6/25/1998	5/13/2003	2/17/1999		FALSE	TRUE	TRUE					
34214	SR518001		55G	EMPLACED_CNTR	2/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/6/1982	6/17/2008		6/17/2008			TRUE	TRUE	TRUE					
34215	SR518001A		55G	EMPLACED_CNTR	4/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/17/2008		6/17/2008		12/10/2008		TRUE	TRUE	TRUE					
34216	SR518001B		55G	EMPLACED_CNTR	4/4/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	6/27/2008	6/27/2008	6/27/2008	10/27/2008	12/20/2008		TRUE	TRUE	TRUE					
34217	SR518002		55G	EMPLACED_CNTR	2/22/2011 23:11	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/6/1982	2/25/2010		2/25/2010			FALSE	TRUE	TRUE					
34218	SR518002A		55G	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/25/2010		2/25/2010		8/20/2010		TRUE	TRUE	TRUE					
34219	SR518002B		55G	EMPLACED_CNTR	2/27/2011 10:38	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/25/2010		2/25/2010		8/20/2010		TRUE	TRUE	TRUE					
34220	SR518002C		55G	EMPLACED_CNTR	2/22/2011 22:11	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	S5300		0	2/25/2010		2/25/2010		8/20/2010		FALSE	TRUE	TRUE					
34221	SR518003		55G	EMPLACED_CNTR	6/5/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/6/1982	6/17/2008		6/17/2008			TRUE	TRUE	TRUE					
34222	SR518003A		55G	EMPLACED_CNTR	3/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/17/2008		6/17/2008		12/10/2008		TRUE	TRUE	TRUE					
34223	SR518003B		55G	EMPLACED_CNTR	11/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300			6/17/2008		6/17/2008		8/3/2009		FALSE	TRUE	TRUE					
34224	SR518604		55G	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/6/1982	7/6/1982		6/26/2004			FALSE	TRUE	TRUE					
34225	SR518605		55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/6/1982	7/6/1982		6/26/2004			FALSE	TRUE	TRUE					
34226	SR518606		55G	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/15/1982	6/18/2008		6/18/2008			FALSE	TRUE	TRUE					
34227	SR518606A		55G	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	6/18/2008		6/18/2008		12/11/2008		FALSE	TRUE	TRUE					
34228	SR518607		55G	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/15/1982	7/15/1982		6/9/2007			FALSE	TRUE	TRUE					
34229	SR518608		55G	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/15/1982	7/15/1982		7/20/2004			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34230	SRS18609	SSG	EMPLACED_CNTR	6/3/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/3/1982	8/1/1982		7/18/2004				FALSE	TRUE	TRUE					
34231	SRS18610	SSG	EMPLACED_CNTR	2/4/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	0	8/3/1982	5/11/2007		5/11/2007				FALSE	TRUE	TRUE					
34232	SRS18611	SSG	EMPLACED_CNTR	4/18/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	8/12/1982	8/12/1982		11/4/2007				FALSE	TRUE	TRUE					
34233	SRS18612	SSG	EMPLACED_CNTR	1/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/12/1982	5/8/2007		5/8/2007				FALSE	TRUE	TRUE					
34234	SRS18613	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/12/1982	8/12/1982		7/19/2004				FALSE	TRUE	TRUE					
34235	SRS18614	SSG	EMPLACED_CNTR	6/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/12/1982	8/12/1982		7/21/2004				FALSE	TRUE	TRUE					
34236	SRS18615	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	8/12/1982	8/12/1982		7/16/2004				FALSE	TRUE	TRUE					
34237	SRS18616	SSG	EMPLACED_CNTR	5/13/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/12/1982	8/12/1982	8/13/1998	4/21/2004	2/5/1999			FALSE	TRUE	TRUE					
34238	SRS18617	SSG	EMPLACED_CNTR	6/19/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	8/12/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
34239	SRS18618	SSG	EMPLACED_CNTR	6/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/12/1982	8/12/1982		7/19/2004				FALSE	TRUE	TRUE					
34240	SRS18619	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/20/2004				FALSE	TRUE	TRUE					
34241	SRS18620	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/20/2004				FALSE	TRUE	TRUE					
34242	SRS18621	SSG	EMPLACED_CNTR	6/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/20/2004				FALSE	TRUE	TRUE					
34243	SRS18622	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/11/2004				FALSE	TRUE	TRUE					
34244	SRS18623	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/26/1982	6/17/2008		6/17/2008				FALSE	TRUE	TRUE					
34245	SRS18623A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/17/2008		6/17/2008		12/10/2008		- Rpkgd into SRS18623E - Rpkgd into SRS18623F	TRUE	TRUE	TRUE					
34246	SRS18623B	SSG	APPROVED_CERT		6/11/2012 15:30	mccabed	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/17/2008	5/29/2012	1/20/2010	5/29/2012		221-F-55006		TRUE	TRUE	TRUE					
34247	SRS18623C	SSG	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-FB-PRE86-C	SS300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE					
34248	SRS18623D	SSG	EMPLACED_CNTR	3/3/2011 18:55	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	1/20/2010		1/20/2010		7/15/2010			TRUE	TRUE	TRUE			SRS18623B		Daughter
34249	SRS18623E	SSG	EMPLACED_CNTR	11/18/2012 12:54	6/11/2012 15:29	mccabed	SR-WO27-FB-PRE86-C	SS300	None		5/29/2012		5/29/2012				- Rpkgd was SRS18623B	TRUE	TRUE	TRUE			SRS18623B		Daughter
34250	SRS18623F	SSG	EMPLACED_CNTR	11/18/2012 12:54	6/11/2012 15:30	mccabed	SR-WO27-FB-PRE86-C	SS300	None		5/29/2012		5/29/2012				- Rpkgd was SRS18623B	TRUE	TRUE	TRUE			SRS18623B		Daughter
34251	SRS18624	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/11/2004				FALSE	TRUE	TRUE					
34252	SRS18625	SSG	EMPLACED_CNTR	9/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/26/1982	8/26/1982		7/11/2004				FALSE	TRUE	TRUE					
34253	SRS18626	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	8/31/1982	8/31/1982		7/21/2004				FALSE	TRUE	TRUE					
34254	SRS18627	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/31/1982	4/7/2008		4/7/2008				FALSE	TRUE	TRUE					
34255	SRS18627A	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/7/2008		4/7/2008		9/30/2008			TRUE	TRUE	TRUE					
34256	SRS18628	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/31/1982	3/20/2008		3/20/2008				FALSE	TRUE	TRUE					
34257	SRS18629	SSG	EMPLACED_CNTR	4/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/2/1982	6/3/2008		6/3/2008				TRUE	TRUE	TRUE					
34258	SRS18629A	SSG	EMPLACED_CNTR	11/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/3/2008		6/3/2008		11/26/2008			FALSE	TRUE	TRUE					
34259	SRS18645	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/7/1982	10/7/1982		1/13/2007				FALSE	TRUE	TRUE					
34260	SRS18646	SSG	EMPLACED_CNTR	10/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/7/1982	10/7/1982		1/14/2007				FALSE	TRUE	TRUE					
34261	SRS18647	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/7/1982	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
34262	SRS18647A	SSG	EMPLACED_CNTR	2/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	3/14/2008		3/14/2008		9/6/2008			FALSE	TRUE	TRUE					
34263	SRS18648	SSG	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/7/1982	10/7/1982		1/11/2007				FALSE	TRUE	TRUE					
34264	SRS18649	SSG	EMPLACED_CNTR	6/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/7/1982	6/3/2008		6/3/2008				TRUE	TRUE	TRUE					
34265	SRS18649A	SSG	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/28/2007		4/28/2007		10/21/2007			TRUE	TRUE	TRUE					
34266	SRS18649B	SSG	EMPLACED_CNTR	1/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300			6/3/2008		6/3/2008					FALSE	TRUE	TRUE					
34267	SRS18650	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/14/1982	10/14/1982		6/28/2007				FALSE	TRUE	TRUE					
34268	SRS18651	SSG	EMPLACED_CNTR	3/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/14/1982	10/14/1982		6/29/2007				FALSE	TRUE	TRUE					
34269	SRS18652	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/14/1982	10/14/1982		6/28/2007				FALSE	TRUE	TRUE					
34270	SRS18654	SSG	EMPLACED_CNTR	2/27/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/14/1982	10/14/1982		6/28/2007				FALSE	TRUE	TRUE					
34271	SRS18655	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/19/1982	10/19/1982		6/29/2007				FALSE	TRUE	TRUE					
34272	SRS18656	SSG	EMPLACED_CNTR	4/2/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/19/1982	4/7/2008		4/7/2008				FALSE	TRUE	TRUE					
34273	SRS18657	SSG	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/19/1982		8/13/1998		2/5/1999			FALSE	TRUE	TRUE					
34274	SRS18658	SSG	EMPLACED_CNTR	6/9/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/19/1982	5/14/2003	6/10/1998	5/14/2003	12/3/1998			FALSE	TRUE	TRUE					
34275	SRS18659	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	10/26/1982	10/26/1982		6/28/2004				FALSE	TRUE	TRUE					
34276	SRS18660	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/26/1982	5/16/2004	8/13/1998	5/16/2004	2/5/1999			FALSE	TRUE	TRUE					
34277	SRS18661	SSG	EMPLACED_CNTR	10/21/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	10/26/1982	10/26/1982		6/26/2004				FALSE	TRUE	TRUE					
34278	SRS18662	SSG	EMPLACED_CNTR	6/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	10/26/1982	10/26/1982		7/11/2004				FALSE	TRUE	TRUE					
34279	SRS18663	SSG	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	10/26/1982	10/26/1982		7/21/2004				FALSE	TRUE	TRUE					
34280	SRS18664	SSG	EMPLACED_CNTR	9/1/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/26/1982	10/26/1982		1/13/2007				FALSE	TRUE	TRUE					
34281	SRS18665	SSG	EMPLACED_CNTR	9/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	10/26/1982	10/26/1982		6/22/2004				FALSE	TRUE	TRUE					
34282	SRS18666	SSG	EMPLACED_CNTR	6/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/26/1982		7/14/1998		1/6/1999			FALSE	TRUE	TRUE					
34283	SRS18667	SSG	APPROVED_CERT		10/3/2012 15:04	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	11/9/1982	10/2/2012	1/18/2007	10/2/2012		NoVent; 221-F-55113	- Rpkgd into SRS18667A	FALSE	TRUE	TRUE					
34284	SRS18667A	SWB			8/30/2013 8:59	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	10/1/2012	8/16/2013	5/29/2013	8/16/2013		Repackaged per NOP 221-H-8827 (PTilmon email 080413); Repackaged per NOP 221-H-8827 (Harrison email 081913).	- Rpkgd into SRS18667 - Rpkgd into SRS18667B - Rpkgd into SRS18667C - Rpkgd into SRS18667D - Rpkgd into SRS18667E - Rpkgd into SRS18667F - Rpkgd into SRS18667G - Rpkgd into SRS18667H - Rpkgd into SRS18667I	FALSE	TRUE	TRUE					
34285	SRS18667B	SSG	APPROVED_CERT		6/4/2013 13:29	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	5/29/2013		5/29/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A	SRS18667	Daughter
34286	SRS18667C	SSG	APPROVED_CERT		6/4/2013 13:28	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	5/29/2013		5/29/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34287	SRS18667D	SSG	APPROVED_CERT		6/4/2013 13:28	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	5/29/2013		5/29/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34288	SRS18667E	SSG			8/30/2013 8:58	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	8/16/2013		8/16/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34289	SRS18667F	SSG			8/30/2013 8:58	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	8/16/2013		8/16/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34290	SRS18667G	SSG			8/30/2013 8:58	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	8/16/2013		8/16/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34291	SRS18667H	SSG			8/30/2013 8:59	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	8/16/2013		8/16/2013				- Rpkgd was SRS18667 - Rpkgd was SRS18667A	FALSE	TRUE	TRUE			SRS18667A		Daughter
34292	SRS18667I	SWB			8/30/2013 8:59	mccabed	SR-WO27-FB-PRE86-C	SS300	None	0	8/16/2013		8/16/2013					FALSE	TRUE	TRUE					
34293	SRS18668	SSG	EMPLACED_CNTR	12/7/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	11/9/1982	11/9/1982		4/27/2007				FALSE	TRUE	TRUE					
34294	SRS18669	SSG	EMPLACED_CNTR	4/7/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/9/1982	6/5/2008		6/5/2008				TRUE	TRUE	TRUE					
34295	SRS18669A	SSG	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	6/5/2008		6/5/2008		11/28/2008			FALSE	TRUE	TRUE					
34296	SRS18670	SSG	EMPLACED_CNTR	10/12/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	11/18/1982	11/18/1982		6/26/2004				FALSE	TRUE	TRUE					
34297	SRS18671	SSG	EMPLACED_CNTR	6/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	11/18/1982	11/18/1982		6/26/2004				FALSE	TRUE	TRUE					
34298	SRS18672	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	12/7/1982	12/7/1982		7/21/2004				FALSE	TRUE	TRUE					
34299	SRS18673	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	12/7/1982	12/7/1982		6/25/2004				FALSE	TRUE	TRUE					
34300	SRS18674	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	12/7/1982	12/7/1982		6/26/2004				FALSE	TRUE	TRUE					
34301	SRS18676	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	12/7/1982	12/7/1982		7/11/2004				FALSE	TRUE	TRUE					
34302	SRS18677	SSG	EMPLACED_CNTR	5/4/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	12/7/1982	12/7/1982		7/21/2004				FALSE	TRUE	TRUE					
34303	SRS18678	SSG	EMPLACED_CNTR	10/2/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	12/16/1982	3/14/2008		3/14/2008											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34304	SRS18680	SSG	EMPLACED_CNTR	4/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/16/1982	7/29/2008		7/29/2008				FALSE	TRUE	TRUE					
34305	SRS18680A	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE84-C	55300		0	7/29/2008		7/29/2008		1/21/2009			TRUE	TRUE	TRUE					
34306	SRS18681	SSG	EMPLACED_CNTR	2/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE96-C	55300	V&P Vent	0	12/16/1982	12/16/1982		6/4/2007				FALSE	TRUE	TRUE					
34307	SRS18682	SSG	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE96-C	55300	Remediate	1	1/6/1983	11/6/2006		11/6/2006				TRUE	TRUE	TRUE					
34308	SRS18684	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	1/6/1983	1/6/1983		6/5/2007				TRUE	TRUE	TRUE					
34309	SRS18685	SSG	EMPLACED_CNTR	11/2/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/6/1983	4/5/2006		4/5/2006				TRUE	TRUE	TRUE					
34310	SRS18686	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/27/1983	7/9/2005		7/9/2005				TRUE	TRUE	TRUE					
34311	SRS18687	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/27/1983	1/27/1983		10/15/2004				TRUE	TRUE	TRUE					
34312	SRS18688	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/27/1983	1/27/1983		10/14/2004				TRUE	TRUE	TRUE					
34313	SRS18689	SSG	EMPLACED_CNTR	6/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/8/1983	2/8/1983		7/13/2004				TRUE	TRUE	TRUE					
34314	SRS18690	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	10/2/2007		10/2/2007				TRUE	TRUE	TRUE					
34315	SRS18691	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	2/8/1983	2/8/1983		5/20/2007				TRUE	TRUE	TRUE					
34316	SRS18692	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	9/26/2007		9/26/2007				TRUE	TRUE	TRUE					
34317	SRS18693	SSG	EMPLACED_CNTR	4/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/8/1983	2/8/1983		6/13/2007				TRUE	TRUE	TRUE					
34318	SRS18694	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	2/8/1983	2/8/1983		7/13/2004				TRUE	TRUE	TRUE					
34319	SRS18695	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	9/20/2007		9/20/2007				TRUE	TRUE	TRUE					
34320	SRS18695A	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	9/20/2007		9/20/2007		3/14/2008			TRUE	TRUE	TRUE					
34321	SRS18696	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	10/1/2007		10/1/2007				TRUE	TRUE	TRUE					
34322	SRS18697	SSG	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1983	10/1/2007		10/1/2007				TRUE	TRUE	TRUE					
34323	SRS18718	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/22/1983	2/22/1983		7/21/2004				TRUE	TRUE	TRUE					
34324	SRS18719	SSG	EMPLACED_CNTR	7/7/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/22/1983	2/22/1983		7/21/2004				TRUE	TRUE	TRUE					
34325	SRS18720	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/8/1983	3/10/2008		3/10/2008				TRUE	TRUE	TRUE					
34326	SRS18720A	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/10/2008		3/10/2008		9/2/2008			TRUE	TRUE	TRUE					
34327	SRS18721	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/8/1983	3/8/1983		7/16/2004				TRUE	TRUE	TRUE					
34328	SRS18728	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/29/1983	11/18/2004		11/18/2004				TRUE	TRUE	TRUE					
34329	SRS18729	SSG	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/29/1983	3/29/1983		7/16/2004				TRUE	TRUE	TRUE					
34330	SRS18730	SSG	EMPLACED_CNTR	7/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/29/1983	3/29/1983		7/19/2004				TRUE	TRUE	TRUE					
34331	SRS18731	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	3/29/1983	3/29/1983		7/16/2004				TRUE	TRUE	TRUE					
34332	SRS18733	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/7/1983	4/7/1983		7/13/2004				TRUE	TRUE	TRUE					
34333	SRS18734	SSG	EMPLACED_CNTR	6/22/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/7/1983	4/7/1983		7/13/2004				TRUE	TRUE	TRUE					
34334	SRS18735	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/7/1983	4/7/1983		7/18/2004				TRUE	TRUE	TRUE					
34335	SRS18751	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/28/1983	4/28/1983		7/18/2004				TRUE	TRUE	TRUE					
34336	SRS18752	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/28/1983	10/25/2007		10/25/2007				TRUE	TRUE	TRUE					
34337	SRS18752A	SSG	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/25/2007		10/25/2007		4/18/2008			TRUE	TRUE	TRUE					
34338	SRS18753	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE96-C	55300	V&P Purge	0	4/28/1983	4/28/1983		7/18/2004				TRUE	TRUE	TRUE					
34339	SRS18754	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/28/1983	4/28/1983		7/19/2004				TRUE	TRUE	TRUE					
34340	SRS18755	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	4/28/1983	4/28/1983		7/19/2004				TRUE	TRUE	TRUE					
34341	SRS18767	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/24/1983	11/18/2004		11/18/2004				TRUE	TRUE	TRUE					
34342	SRS18768	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/24/1983	5/24/1983		7/20/2004				TRUE	TRUE	TRUE					
34343	SRS18769	SSG	EMPLACED_CNTR	9/28/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/24/1983	5/26/1983		6/18/2004				TRUE	TRUE	TRUE					
34344	SRS18770	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/2/1983	6/2/1983		5/6/2005				TRUE	TRUE	TRUE					
34345	SRS19771	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	0	6/2/1983	5/19/2010		5/19/2010		WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34346	SRS19771A	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	5/19/2010		5/19/2010		11/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34347	SRS19771B	SSG	EMPLACED_CNTR	3/24/2011 18:54	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	5/19/2010		5/19/2010		11/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34348	SRS19771C	SSG	EMPLACED_CNTR	3/16/2011 22:57	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	5/19/2010		5/19/2010		11/11/2010	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
34349	SRS19771D	SSG	APPROVED_CERT		4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-FB-PRE86-C	55300		0	5/19/2010		5/19/2010		11/11/2010			TRUE	TRUE	TRUE					
34350	SRS19772	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/7/1983	6/2/1983		5/1/2005				TRUE	TRUE	TRUE					
34351	SRS19773	SSG	EMPLACED_CNTR	11/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/1983	6/19/2007		6/19/2007				TRUE	TRUE	TRUE					
34352	SRS19774	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/1983	6/17/2008		6/17/2008				TRUE	TRUE	TRUE					
34353	SRS19775	SSG	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W002-FB-PRE86-C	55300	V&P Vent	0	6/16/1983	6/16/1983		8/4/2007				TRUE	TRUE	TRUE					
34354	SRS19776	SSG	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W002-FB-PRE86-C	55300	V&P Purge	0	6/16/1983	6/16/1983		8/8/2007				TRUE	TRUE	TRUE					
34355	SRS19778	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1983	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34356	SRS19786	SSG	EMPLACED_CNTR	9/17/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/7/1983	11/18/2004		11/18/2004				TRUE	TRUE	TRUE					
34357	SRS19787	SSG	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/7/1983	6/22/2005		6/22/2005				TRUE	TRUE	TRUE					
34358	SRS19788	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	7/14/1983	7/14/1983		8/8/2007				TRUE	TRUE	TRUE					
34359	SRS19789	SSG	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/14/1983	11/2/2007		11/2/2007				TRUE	TRUE	TRUE					
34360	SRS19798	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	7/28/1983	7/28/1983		7/29/2004				TRUE	TRUE	TRUE					
34361	SRS20101	SSG	EMPLACED_CNTR	9/21/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/29/1983	4/25/2008		4/25/2008				TRUE	TRUE	TRUE					
34362	SRS20102	SSG	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	1/20/1983	1/20/1983		7/26/2004				TRUE	TRUE	TRUE					
34363	SRS20103	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W002-FB-PRE86-C	55300	V&P Purge	0	1/20/1983	1/20/1983		9/6/2007				TRUE	TRUE	TRUE					
34364	SRS20104	SSG	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	1/20/1983	1/20/1983		8/8/2007				TRUE	TRUE	TRUE					
34365	SRS20117	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/11/1983	8/11/1983		6/13/2004				TRUE	TRUE	TRUE					
34366	SRS20118	SSG	EMPLACED_CNTR	9/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/11/1983	8/11/1983		6/14/2004				TRUE	TRUE	TRUE					
34367	SRS20119	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/16/1983	8/16/1983		7/20/2004				TRUE	TRUE	TRUE					
34368	SRS20120	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/16/1983	8/16/1983		6/14/2004				TRUE	TRUE	TRUE					
34369	SRS20121	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/23/1983	11/2/2007		11/2/2007				TRUE	TRUE	TRUE					
34370	SRS20122	SSG	EMPLACED_CNTR	2/26/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/23/1983	1/28/2008		1/28/2008				TRUE	TRUE	TRUE					
34371	SRS20123	SSG	EMPLACED_CNTR	4/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	8/23/1983	8/23/1983		7/29/2004				TRUE	TRUE	TRUE					
34372	SRS20124	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/23/1983	4/17/2008		4/17/2008				TRUE	TRUE	TRUE					
34373	SRS20125	SSG	EMPLACED_CNTR	4/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/13/1983	12/4/2005		12/4/2005				TRUE	TRUE	TRUE					
34374	SRS20126	SSG	APPROVED_CERT		9/25/2012 9:57	mccabed	SR-W027-FB-PRE86-C	55300	None	0	8/25/1983	9/18/2012	5/5/2004	9/18/2012		Noveni; 221-F-55006	Rpkgd into SRS20176A	TRUE	TRUE	TRUE					
34375	SRS20126A	SSG	EMPLACED_CNTR	12/15/2012 10:54	9/25/2012 9:57	mccabed	SR-W027-FB-PRE86-C	55300	None		9/18/2012		9/18/2012				Rpkgd wos SRS20126	TRUE	TRUE	TRUE		SRS20126			Daughter
34376	SRS20127	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	8/25/1983	8/25/1983		5/7/2004				TRUE	TRUE	TRUE					
34377	SRS20129	SSG	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/12/1983	11/20/2006		11/20/2006				TRUE	TRUE	TRUE					
34378	SRS20130	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/12/1983	11/20/2006		11/20/2006				TRUE	TRUE	TRUE					
34379	SRS20131	SSG	EMPLACED_CNTR	8/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	9/12/1983	10/25/2006		10/25/2006				TRUE	TRUE	TRUE					
34380	SRS20132	SSG	EMPLACED_CNTR	8/26/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE96-C	55300	V&P Purge	0	10/13/1983	10/13/1983		6/23/2004				TRUE	TRUE	TRUE					
34381	SRS20133	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/13/1983	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34382	SRS20134	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/13/1983	10/13/1983		6/9/2004				TRUE	TRUE	TRUE					
34383	SRS20135	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	10/13/1983	10/13/1983		6/19/2004				TRUE	TRUE	TRUE					
34384	SRS20136	SSG	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/13/1983	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34385	SRS20139	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/20/1983	7/3/2006		7/3/2006				TRUE	TRUE	TRUE					
34386	SRS20140	SSG	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	10/20/1983	1/29/2006		1/29/2006				TRUE	TRUE	TRUE					
34387	SRS20141	SSG	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/1/1983	11/1/1983		6/4/2004				TRUE	TRUE	TRUE					
34388	SRS20142	SSG	EMPLACED_CNTR	3/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/1/1983	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34389	SRS20143	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/8/1983	5/16/2008		5/16/2008				TRUE	TRUE	TRUE					
34390	SRS20143A	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/16/2008		5/16/2008		11/8/2008			TRUE	TRUE	TRUE					
34391	SRS20144	SSG	EMPLACED_CNTR	3/4/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/8/1983	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					

		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34392	SR520149F		55G	EMPLACED_CNTR	8/6/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/8/1983	12/8/1983		7/10/2004				TRUE	TRUE	TRUE					
34393	SR520146		55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/8/1983	2/14/2007		2/14/2007				TRUE	TRUE	TRUE					
34394	SR520146A		55G	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/14/2007		2/14/2007					TRUE	TRUE	TRUE					
34395	SR520147		55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/29/1983	12/29/1983		6/23/2004				TRUE	TRUE	TRUE					
34396	SR520148		55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/29/1983	12/29/1983		11/24/2006				TRUE	TRUE	TRUE					
34397	SR520151		55G	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/29/1983	11/27/2004		11/27/2004				TRUE	TRUE	TRUE					
34398	SR520152		55G	EMPLACED_CNTR	4/7/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	12/29/1983	12/29/1983		6/24/2004				TRUE	TRUE	TRUE					
34399	SR520161		55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/26/1984	1/26/1984		5/7/2004				TRUE	TRUE	TRUE					
34400	SR520162		55G	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/26/1984	1/26/1984		5/9/2004				TRUE	TRUE	TRUE					
34401	SR520163		55G	EMPLACED_CNTR	2/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/26/1984	4/22/2004		4/22/2004				TRUE	TRUE	TRUE					
34402	SR520165		55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/31/1984	1/31/1984		5/7/2004				TRUE	TRUE	TRUE					
34403	SR520166		55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/31/1984	1/31/1984	12/31/1999	5/6/2004	6/24/2000			TRUE	TRUE	TRUE					
34404	SR520167		55G	EMPLACED_CNTR	4/20/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/31/1984	1/31/1984		5/6/2004				TRUE	TRUE	TRUE					
34405	SR520168		55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/31/1984	1/31/1984		7/21/2004				TRUE	TRUE	TRUE					
34406	SR520169		55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/31/1984	3/30/2004		3/30/2004				TRUE	TRUE	TRUE					
34407	SR520170		55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/31/1984	1/31/1984		5/7/2004				TRUE	TRUE	TRUE					
34408	SR520171		55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/7/1984	2/7/1984		10/16/2004				TRUE	TRUE	TRUE					
34409	SR520172		55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/7/1984	2/7/1984		6/24/2004				TRUE	TRUE	TRUE					
34410	SR520173		55G	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	2/7/1984	2/7/1984		6/23/2004				TRUE	TRUE	TRUE					
34411	SR520174		55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/7/1984	9/18/2007		9/18/2007				TRUE	TRUE	TRUE					
34412	SR520175		55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/9/1984	2/9/1984		5/30/2004				TRUE	TRUE	TRUE					
34413	SR520176		55G	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/9/1984	2/9/1984		5/31/2004				TRUE	TRUE	TRUE					
34414	SR520177		55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	2/23/1984	10/23/2006		10/23/2006				TRUE	TRUE	TRUE					
34415	SR520179		55G	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/23/1984	2/23/1984		5/30/2004				TRUE	TRUE	TRUE					
34416	SR520180		55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/23/1984	2/23/1984		5/29/2004				TRUE	TRUE	TRUE					
34417	SR520181		55G	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/23/1984	2/23/1984		5/31/2004				TRUE	TRUE	TRUE					
34418	SR520182		55G	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	2/23/1984	2/23/1984		5/11/2004				TRUE	TRUE	TRUE					
34419	SR520183		55G	EMPLACED_CNTR	4/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	3/13/1984	3/13/1984		5/31/2004				TRUE	TRUE	TRUE					
34420	SR520184		55G	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/13/1984	11/7/2006		11/7/2006				TRUE	TRUE	TRUE					
34421	SR520184A		55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		11/7/2006		11/7/2006											
34422	SR520185		55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	3/13/1984		8/14/1997		2/6/1998			TRUE	TRUE	TRUE					
34423	SR520186		55G	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	3/13/1984	3/13/1984		5/28/2004				TRUE	TRUE	TRUE					
34424	SR520187		55G	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	3/13/1984	3/13/1984		5/30/2004				TRUE	TRUE	TRUE					
34425	SR520194		55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	6/22/2006		6/22/2006				TRUE	TRUE	TRUE					
34426	SR520195		55G	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	11/27/2007		11/27/2007				TRUE	TRUE	TRUE					
34427	SR520196		55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	12/29/2005		12/29/2005				TRUE	TRUE	TRUE					
34428	SR520197		55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	5/25/2006		5/25/2006				TRUE	TRUE	TRUE					
34429	SR520198		55G	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	9/12/2006		9/12/2006				TRUE	TRUE	TRUE					
34430	SR520199		55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/20/1984	6/27/2006		6/27/2006				TRUE	TRUE	TRUE					
34431	SR520200		55G	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	3/20/1984	3/20/1984		6/18/2004				TRUE	TRUE	TRUE					
34432	SR523901		55G	EMPLACED_CNTR	2/23/2011 10:22	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/27/1984	11/3/2006		11/3/2006				TRUE	TRUE	TRUE					
34433	SR523901A		55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		11/3/2006		11/3/2006											
34434	SR523902		55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/27/1984	9/21/2006		9/21/2006				TRUE	TRUE	TRUE					
34435	SR523902A		55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0				9/21/2006											
34436	SR523903		55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/27/1984	11/6/2006		11/6/2006				TRUE	TRUE	TRUE					
34437	SR523903A		55G	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		11/6/2006		11/6/2006											
34438	SR523904		55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	3/27/1984	3/27/1984		5/9/2004				TRUE	TRUE	TRUE					
34439	SR523905		55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/27/1984	7/9/2006		7/9/2006				TRUE	TRUE	TRUE					
34440	SR523905A		55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		4/5/2006		4/5/2006											
34441	SR523906		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/17/1984	11/2/2006		11/2/2006				TRUE	TRUE	TRUE					
34442	SR523906A		55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		11/2/2006		11/2/2006											
34443	SR523907		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/17/1984	11/1/2006		11/1/2006				TRUE	TRUE	TRUE					
34444	SR523910		55G	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/24/1984	1/11/2007		1/11/2007				TRUE	TRUE	TRUE					
34445	SR523910A		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		1/11/2007		1/11/2007											
34446	SR523911		55G	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/24/1984	1/4/2007		1/4/2007				TRUE	TRUE	TRUE					
34447	SR523912		55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/24/1984	9/10/2007		9/10/2007				TRUE	TRUE	TRUE					
34448	SR523912A		55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/10/2007		9/10/2007		3/4/2008			TRUE	TRUE	TRUE					
34449	SR523913		55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	4/24/1984	9/13/2007		9/13/2007				TRUE	TRUE	TRUE					
34450	SR523913A		55G	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300		0	9/13/2007		9/13/2007		3/7/2008			TRUE	TRUE	TRUE					
34451	SR523914		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1984	8/27/2006		8/27/2006				TRUE	TRUE	TRUE					
34452	SR523915		55G	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1984	12/11/2006		12/11/2006				TRUE	TRUE	TRUE					
34453	SR523915A		55G	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		12/12/2006		12/12/2006											
34454	SR523916		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	5/22/1984	8/22/2006		8/22/2006				TRUE	TRUE	TRUE					
34455	SR523917		55G	EMPLACED_CNTR	1/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	5/22/1984	5/22/1984		6/3/2004				TRUE	TRUE	TRUE					
34456	SR523927		55G	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1984	10/31/2006		10/31/2006				TRUE	TRUE	TRUE					
34457	SR523928		55G	EMPLACED_CNTR	1/8/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1984	8/24/2006		8/24/2006				TRUE	TRUE	TRUE					
34458	SR523929		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1984	8/1/2006		8/1/2006				TRUE	TRUE	TRUE					
34459	SR523930		55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1984	3/15/2006		3/15/2006				TRUE	TRUE	TRUE					
34460	SR523930A		55G	EMPLACED_CNTR	6/24/2012 13:25	3/15/2012 20:58	rescabed	SR-W027-FB-PRE86-C	S5300				3/14/2006	3/9/2012	3/14/2006	3/9/2012		SWD061098 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006.		TRUE	FALSE	TRUE					
34461	SR523931		55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/5/1984	12/6/2005		12/6/2005				TRUE	TRUE	TRUE					
34462	SR523932		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/12/1984	10/22/2006		10/22/2006				TRUE	TRUE	TRUE					
34463	SR523932A		55G	EMPLACED_CNTR	12/1/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		10/22/2006		10/22/2006											
34464	SR523933		55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/12/1984	10/3/2006		10/3/2006				TRUE	TRUE	TRUE					
34465	SR523933A		55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		10/3/2006		10/3/2006											
34466	SR523934		55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/12/1984	10/30/2006		10/30/2006				TRUE	TRUE	TRUE					
34467	SR523934A		55G	EMPLACED_CNTR	8/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		10/30/2006		10/30/2006											
34468	SR523941		55G	EMPLACED_CNTR	5/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/19/1984	11/14/2006		11/14/2006				TRUE	TRUE	TRUE					
34469	SR523942		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/19/1984	9/3/2006		9/3/2006				TRUE	TRUE	TRUE					
34470	SR523945		55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/28/1984	8/25/2006		8/25/2006				TRUE	TRUE	TRUE					
34471	SR523946		55G	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	6/28/1984	9/7/2006		9/7/2006				TRUE	TRUE	TRUE					
34472	SR523946A		55G	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		9/7/2006		9/7/2006											
34473	SR523947		55G	EMPLACED_CNTR	2/27/2011 10:22	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/12/1984	8/27/2006		8/27/2006				TRUE	TRUE	TRUE					
34474	SR523947A		55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1		8/27/2006		8/27/2006											
34475	SR523948		55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/12/1984	9/7/2006		9/7/2006				TRUE	TRUE	TRUE					
34476	SR523949		SWB			8/27/2013 10:20	rescabed	SR-W027-FB-PRE86-C	S5300	None	0	7/12/1984	8/22/2013	5/23/2013	8/22/2013		NoVent; NOP-221-H-8827	- Rpkgd into SR523949A - Rpkgd into SR523949B - Rpkgd into SR523949C - Rpkgd into SR523949D	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34477	SR523949A	SSG	APPROVED_CERT		10/4/2012 14:45	mccabed	SR-WQ27-FB-PRE86-C	SS300	None	0	10/1/2012		10/1/2012				- Rpkgd was SR523949	TRUE	TRUE	TRUE			SR523945		Daughter
34478	SR523949B	SSG	APPROVED_CERT		6/4/2013 13:23	mccabed	SR-WQ27-FB-PRE86-C	SS300	None	0	5/23/2013		5/23/2013				- Rpkgd was SR523949	TRUE	TRUE	TRUE			SR523949		Repack
34479	SR523949C	SSG			8/27/2013 10:20	mccabed	SR-WQ27-FB-PRE86-C	SS300	None	0	8/22/2013		8/22/2013			Added per JHarrison 082713.	- Rpkgd was SR523949	TRUE	TRUE	TRUE			SR523949		Repack
34480	SR523949D	SSG			8/27/2013 10:20	mccabed	SR-WQ27-FB-PRE86-C	SS300	None	0	8/22/2013		8/22/2013			Added per JHarrison 082713.	- Rpkgd was SR523949	TRUE	TRUE	TRUE			SR523949		Daughter
34481	SR523950	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/12/1984	11/10/2006		11/10/2006				TRUE	TRUE	TRUE					
34482	SR523952	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/27/1984	12/14/2006		12/14/2006				TRUE	TRUE	TRUE					
34483	SR523952A	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		12/14/2006		12/14/2006				TRUE	TRUE	TRUE					
34484	SR523953	SSG	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/27/1984	9/15/2008		9/15/2008				TRUE	TRUE	TRUE					
34485	SR523953A	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/28/2008		4/28/2008		10/21/2008			TRUE	TRUE	TRUE					
34486	SR523953B	SSG	EMPLACED_CNTR	10/30/2010 10:38	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	9/15/2008		9/15/2008		3/10/2009			TRUE	TRUE	TRUE					
34487	SR523954	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/27/1984	4/25/2008		4/25/2008				TRUE	TRUE	TRUE					
34488	SR523954A	SSG	EMPLACED_CNTR	8/21/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/27/2007	6/16/2008	12/27/2007	6/16/2008	6/20/2008			TRUE	TRUE	TRUE					
34489	SR523955	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/27/1984	12/18/2006		12/18/2006				TRUE	TRUE	TRUE					
34490	SR523955A	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		12/18/2006		12/18/2006				TRUE	TRUE	TRUE					
34491	SR523956	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/27/1984	12/19/2006		12/19/2006				TRUE	TRUE	TRUE					
34492	SR523956A	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		12/19/2006		12/19/2006				TRUE	TRUE	TRUE					
34493	SR523957	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/31/1984	9/18/2007		9/18/2007				TRUE	TRUE	TRUE					
34494	SR523958	SSG	EMPLACED_CNTR	2/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/31/1984	9/18/2007		9/18/2007				TRUE	TRUE	TRUE					
34495	SR523959	SSG	EMPLACED_CNTR	2/4/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/31/1984	7/16/2007		7/16/2007				TRUE	TRUE	TRUE					
34496	SR523960	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	7/31/1984	9/13/2007		9/13/2007				TRUE	TRUE	TRUE					
34497	SR523961	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	7/31/1984	7/31/1984		3/31/2007				TRUE	TRUE	TRUE					
34498	SR523962	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	7/31/1984	7/31/1984		3/31/2007				TRUE	TRUE	TRUE					
34499	SR523963	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/9/1984	11/1/2006		11/1/2006				TRUE	TRUE	TRUE					
34500	SR523964	SSG	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/20/1984	6/1/2004		6/1/2004				TRUE	TRUE	TRUE					
34501	SR523965	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/14/1984	9/7/2007		9/7/2007				TRUE	TRUE	TRUE					
34502	SR523966	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	8/9/1984	8/9/1984		3/31/2007				TRUE	TRUE	TRUE					
34503	SR523967	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/9/1984	9/5/2007		9/5/2007				TRUE	TRUE	TRUE					
34504	SR523968	SSG	APPROVED_CERT		4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/30/1984	12/14/2006		12/14/2006		NoVent									
34505	SR523968A	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		12/14/2006		12/14/2006				TRUE	TRUE	TRUE					
34506	SR523969	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/30/1984	11/12/2005		11/12/2005				TRUE	TRUE	TRUE					
34507	SR523970	SSG	EMPLACED_CNTR	4/26/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/30/1984	11/15/2007		11/15/2007				TRUE	TRUE	TRUE					
34508	SR523970A	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	11/15/2007		11/15/2007		5/9/2008			TRUE	TRUE	TRUE					
34509	SR523971	SSG	EMPLACED_CNTR	5/12/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/30/1984	4/1/2008		4/1/2008				TRUE	TRUE	TRUE					
34510	SR523971A	SSG	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	4/1/2008		4/1/2008		9/24/2008			TRUE	TRUE	TRUE					
34511	SR523972	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	8/30/1984	12/19/2006		12/19/2006											
34512	SR523972A	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		12/19/2006		12/19/2006				TRUE	TRUE	TRUE					
34513	SR523973	SSG	EMPLACED_CNTR	11/5/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	11/1/1984	11/1/1984		5/17/2004				TRUE	TRUE	TRUE					
34514	SR523974	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/6/1984	9/6/1984		5/13/2004				TRUE	TRUE	TRUE					
34515	SR523975	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/6/1984	9/6/1984		5/26/2004				TRUE	TRUE	TRUE					
34516	SR523976	SSG	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/6/1984	9/6/1984		5/25/2004				TRUE	TRUE	TRUE					
34517	SR523977	SSG	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/6/1984	9/6/1984		6/11/2004				TRUE	TRUE	TRUE					
34518	SR523978	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	9/6/1984	11/9/2006		11/9/2006											
34519	SR523978A	SSG	EMPLACED_CNTR	1/15/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		11/9/2006		11/9/2006											
34520	SR523979	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/6/1984	9/6/1984		6/11/2004				TRUE	TRUE	TRUE					
34521	SR523980	SSG	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/13/1984	9/13/1984		6/3/2004				TRUE	TRUE	TRUE					
34522	SR523981	SSG	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/13/1984	9/13/1984		6/9/2004				TRUE	TRUE	TRUE					
34523	SR523982	SSG	EMPLACED_CNTR	8/15/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/13/1984	9/13/1984		6/4/2004				TRUE	TRUE	TRUE					
34524	SR523983	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	9/13/1984	9/13/1984		6/9/2004				TRUE	TRUE	TRUE					
34525	SR523984	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/1/1984	11/10/2006		11/10/2006				TRUE	TRUE	TRUE					
34526	SR523985	SSG	EMPLACED_CNTR	9/14/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/4/1984	10/4/1984		6/19/2004				TRUE	TRUE	TRUE					
34527	SR523986	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/4/1984	10/4/1984		6/9/2004				TRUE	TRUE	TRUE					
34528	SR523987	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/4/1984	10/4/1984		6/4/2004				TRUE	TRUE	TRUE					
34529	SR523988	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/4/1984	10/4/1984		6/24/2004				TRUE	TRUE	TRUE					
34530	SR523989	SSG	EMPLACED_CNTR	9/24/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/4/1984	10/4/1984		6/4/2004				TRUE	TRUE	TRUE					
34531	SR523990	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/4/1984	6/8/2004		6/8/2004				TRUE	TRUE	TRUE					
34532	SR523991	SSG	EMPLACED_CNTR	8/2/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/4/1984	1/26/2006		1/26/2006				TRUE	TRUE	TRUE					
34533	SR523992	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	10/18/1984	10/18/1984		5/9/2004				TRUE	TRUE	TRUE					
34534	SR523993	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	10/18/1984	9/5/2006		9/5/2006				TRUE	TRUE	TRUE					
34535	SR523994	SSG	EMPLACED_CNTR	7/27/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	10/18/1984	10/18/1984		5/9/2004				TRUE	TRUE	TRUE					
34536	SR523995	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Vent	0	11/1/1984	11/1/1984		5/26/2004				TRUE	TRUE	TRUE					
34537	SR523996	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/1/1984	11/1/1984		5/17/2004				TRUE	TRUE	TRUE					
34538	SR523997	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/1/1984	11/1/1984		5/17/2004				TRUE	TRUE	TRUE					
34539	SR523998	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/1/1984	11/1/1984		5/25/2004				TRUE	TRUE	TRUE					
34540	SR523999	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/1/1984	11/1/1984		4/13/2004				TRUE	TRUE	TRUE					
34541	SR524000	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/1/1984	8/6/2005		8/6/2005				TRUE	TRUE	TRUE					
34542	SR526601	SSG	EMPLACED_CNTR	6/27/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/8/1984	2/12/2008		2/12/2008				TRUE	TRUE	TRUE					
34543	SR526601A	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300		0	2/12/2008		2/12/2008		8/6/2008			TRUE	TRUE	TRUE					
34544	SR526602	SSG	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/8/1984	11/8/1984		11/16/2004				TRUE	TRUE	TRUE					
34545	SR526603	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/8/1984	11/8/1984		2/7/2008				TRUE	TRUE	TRUE					
34546	SR526604	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/8/1984	2/18/2008		2/18/2008				TRUE	TRUE	TRUE					
34547	SR526605	SSG	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/20/1984	1/11/2007		1/11/2007											
34548	SR526605A	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1		1/11/2007		1/11/2007				TRUE	TRUE	TRUE					
34549	SR526606	SSG	EMPLACED_CNTR	7/15/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/20/1984	11/20/1984		6/10/2004				TRUE	TRUE	TRUE					
34550	SR526607	SSG	EMPLACED_CNTR	1/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	11/20/1984	9/5/2006		9/5/2006				TRUE	TRUE	TRUE					
34551	SR526611	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	11/20/1984	11/20/1984		6/19/2004				TRUE	TRUE	TRUE					
34552	SR526813	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/26/1985	2/26/2008		2/26/2008				TRUE	TRUE	TRUE					
34553	SR526615	SSG	EMPLACED_CNTR	2/17/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	2/26/1985	2/26/1985		2/7/2008				TRUE	TRUE	TRUE					
34554	SR526620	SSG	EMPLACED_CNTR	5/8/2009	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/26/1985	4/23/2008		4/23/2008				TRUE	TRUE	TRUE					
34555	SR526621	SSG	EMPLACED_CNTR	12/29/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	2/18/1985	6/26/2007		6/26/2007				TRUE	TRUE	TRUE					
34556	SR526622	SSG	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		6/9/2004				TRUE	TRUE	TRUE					
34557	SR526623	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	Remediate	1	12/11/1984	5/31/2004		5/31/2004				TRUE	TRUE	TRUE					
34558	SR526624	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/25/2004				TRUE	TRUE	TRUE					
34559	SR526625	SSG	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/17/2004				TRUE	TRUE	TRUE					
34560	SR526626	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/25/2004				TRUE	TRUE	TRUE					
34561	SR526628	SSG	EMPLACED_CNTR	7/11/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/24/2005				TRUE	TRUE	TRUE					
34562	SR526629	SSG	EMPLACED_CNTR	9/9/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/30/2004				TRUE	TRUE	TRUE					
34563	SR526630	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/26/2004				TRUE	TRUE	TRUE					
34564	SR526631	SSG	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWS_Updt	SR-WQ27-FB-PRE86-C	SS300	V&P Purge	0	12/11/1984	12/11/1984		5/29/2004											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34565	SR526632	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/11/1984	12/11/1984		5/26/2004				TRUE	TRUE	TRUE					
34566	SR526633	55G	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/11/1984	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34567	SR526634	55G	EMPLACED_CNTR	8/18/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/20/1984	11/27/2004		11/27/2004				TRUE	TRUE	TRUE					
34568	SR526635	55G	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/20/1984	12/20/1984		7/31/2004				TRUE	TRUE	TRUE					
34569	SR526636	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/20/1984	12/20/1984		10/12/2004				TRUE	TRUE	TRUE					
34570	SR526637	55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	12/20/1984	12/20/1984		7/18/2004				TRUE	TRUE	TRUE					
34571	SR526638	55G	EMPLACED_CNTR	8/3/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	1/24/1985	8/28/2007		3/26/2007				TRUE	TRUE	TRUE					
34572	SR526638A	55G	EMPLACED_CNTR	5/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300			3/26/2007		3/26/2007					TRUE	TRUE	TRUE					
34573	SR526639	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	1/24/1985	1/24/1985		6/10/2004				TRUE	TRUE	TRUE					
34574	SR526640	55G	EMPLACED_CNTR	7/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/20/1985	2/20/1985		6/10/2004				TRUE	TRUE	TRUE					
34575	SR526641	55G	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/20/1985	2/20/1985		5/17/2004				TRUE	TRUE	TRUE					
34576	SR526642	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/20/1985	10/5/2006		10/5/2006				TRUE	TRUE	TRUE					
34577	SR526643	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	1/25/2008		1/25/2008				TRUE	TRUE	TRUE					
34578	SR526643A	55G	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	1/25/2008		1/25/2008		7/19/2008			TRUE	TRUE	TRUE					
34579	SR526644	55G	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/13/2007		7/13/2007				TRUE	TRUE	TRUE					
34580	SR526645	55G	EMPLACED_CNTR	8/19/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	10/4/2007		10/4/2007				TRUE	TRUE	TRUE					
34581	SR526647	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	2/26/1985	2/26/1985		4/14/2007				TRUE	TRUE	TRUE					
34582	SR526648	55G	EMPLACED_CNTR	8/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/26/1985	7/31/2008		7/31/2008				TRUE	TRUE	TRUE					
34583	SR526648A	55G	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/31/2008		7/31/2008		1/23/2009			TRUE	TRUE	TRUE					
34584	SR526648B	55G	EMPLACED_CNTR	7/6/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300			7/31/2008		7/31/2008		9/16/2008			TRUE	TRUE	TRUE					
34585	SR526648C	55G	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300			7/31/2008		7/31/2008		9/16/2008			TRUE	TRUE	TRUE					
34586	SR526648D	55G	EMPLACED_CNTR	11/12/2009 13:13	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300			7/31/2008		7/31/2008		9/16/2008			TRUE	TRUE	TRUE					
34587	SR526654	55G	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	6/11/2007		6/11/2007				TRUE	TRUE	TRUE					
34588	SR526663	55G	EMPLACED_CNTR	3/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/24/2007		7/24/2007				TRUE	TRUE	TRUE					
34589	SR526665	55G	EMPLACED_CNTR	7/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/1/1985	6/11/2007		6/11/2007				TRUE	TRUE	TRUE					
34590	SR526667	55G	EMPLACED_CNTR	4/24/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/27/1985	11/13/2007		11/13/2007				TRUE	TRUE	TRUE					
34591	SR526670	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/13/2007		7/13/2007				TRUE	TRUE	TRUE					
34592	SR526671	55G	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/27/1985	2/26/2008		2/26/2008				TRUE	TRUE	TRUE					
34593	SR526674	55G	EMPLACED_CNTR	11/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	4/23/2008		4/23/2008				TRUE	TRUE	TRUE					
34594	SR526676	55G	EMPLACED_CNTR	9/30/2009 10:40	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/27/1985	4/22/2008		4/22/2008				TRUE	TRUE	TRUE					
34595	SR526680	55G	EMPLACED_CNTR	4/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/19/1985	7/18/2007		7/18/2007				TRUE	TRUE	TRUE					
34596	SR526685	55G	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/19/1985	2/27/2008		2/27/2008				TRUE	TRUE	TRUE					
34597	SR526688	55G	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1985	7/31/2007		7/31/2007				TRUE	TRUE	TRUE					
34598	SR526689	55G	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	10/15/2007		10/15/2007				TRUE	TRUE	TRUE					
34599	SR526691	55G	EMPLACED_CNTR	5/8/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1985	4/22/2008		4/22/2008				TRUE	TRUE	TRUE					
34600	SR526692	55G	EMPLACED_CNTR	5/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1985	8/5/2008		8/5/2008				TRUE	TRUE	TRUE					
34601	SR526694	55G	EMPLACED_CNTR	7/18/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/19/1985	2/26/2008		2/26/2008				TRUE	TRUE	TRUE					
34602	SR526695	55G	EMPLACED_CNTR	1/13/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/27/2007		7/27/2007				TRUE	TRUE	TRUE					
34603	SR526696	55G	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	5/13/2004		5/13/2004				TRUE	TRUE	TRUE					
34604	SR526697	55G	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	3/6/2008		3/6/2008				TRUE	TRUE	TRUE					
34605	SR526699	55G	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	3/6/2008		3/6/2008				TRUE	TRUE	TRUE					
34606	SR526700	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	2/26/2008		2/26/2008				TRUE	TRUE	TRUE					
34607	SR526700A	55G	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/26/2008		2/26/2008		8/20/2008			TRUE	TRUE	TRUE					
34608	SR526701	55G	EMPLACED_CNTR	9/14/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	11/27/1984	11/27/1984		6/20/2004				TRUE	TRUE	TRUE					
34609	SR526702	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/27/1984	3/4/2006		3/4/2006				TRUE	TRUE	TRUE					
34610	SR526703	55G	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/20/1985	2/20/1985		6/10/2004				TRUE	TRUE	TRUE					
34611	SR526704	55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/20/1985	2/20/1985		6/11/2004				TRUE	TRUE	TRUE					
34612	SR526705	55G	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	2/20/1985	2/20/1985		6/12/2004				TRUE	TRUE	TRUE					
34613	SR526706	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	9/13/2006		9/13/2006				TRUE	TRUE	TRUE					
34614	SR526706A	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		9/13/2006		9/13/2006				TRUE	TRUE	TRUE					
34615	SR526708	55G	EMPLACED_CNTR	12/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	4/1/1985		4/26/2007				TRUE	TRUE	TRUE					
34616	SR526709	55G	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	9/17/2007		9/17/2007				TRUE	TRUE	TRUE					
34617	SR526710	55G	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	3/30/2006		3/30/2006				TRUE	TRUE	TRUE					
34618	SR526711	55G	EMPLACED_CNTR	7/17/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/23/2007		7/23/2007				TRUE	TRUE	TRUE					
34619	SR526712	55G	EMPLACED_CNTR	8/30/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	6/1/1985	6/1/1985		7/21/2004				TRUE	TRUE	TRUE					
34620	SR526713	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	6/1/1985		3/11/2007				TRUE	TRUE	TRUE					
34621	SR526717	55G	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	10/26/2007		10/26/2007				TRUE	TRUE	TRUE					
34622	SR526717A	55G	EMPLACED_CNTR	3/26/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	10/26/2007		10/26/2007		4/19/2008			TRUE	TRUE	TRUE					
34623	SR526718	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/2/1985	4/2/1985		3/11/2007				TRUE	TRUE	TRUE					
34624	SR526719	55G	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	11/30/2007		11/30/2007				TRUE	TRUE	TRUE					
34625	SR526720	55G	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/2/1985	4/2/1985		4/19/2007				TRUE	TRUE	TRUE					
34626	SR526721	55G	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/2/1985	8/30/2007		8/30/2007				TRUE	TRUE	TRUE					
34627	SR526722	55G	EMPLACED_CNTR	11/1/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	6/10/2008		6/10/2008				TRUE	TRUE	TRUE					
34628	SR526722A	55G	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/28/2008		2/28/2008		8/22/2008			TRUE	TRUE	TRUE					
34629	SR526723	55G	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	1/31/2008		1/31/2008				TRUE	TRUE	TRUE					
34630	SR526724	55G	EMPLACED_CNTR	7/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	6/1/1985		12/21/2007				TRUE	TRUE	TRUE					
34631	SR526725	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	5/1/1985	5/1/1985		3/25/2007				TRUE	TRUE	TRUE					
34632	SR526726	55G	EMPLACED_CNTR	4/30/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	6/1/1985		3/23/2007				TRUE	TRUE	TRUE					
34633	SR526727	55G	EMPLACED_CNTR	8/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	6/1/1985		10/21/2003				TRUE	TRUE	TRUE					
34634	SR526728	55G	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	7/16/2007		7/16/2007				TRUE	TRUE	TRUE					
34635	SR526732	55G	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/21/1985	9/11/2007		9/11/2007				TRUE	TRUE	TRUE					
34636	SR526733	55G	EMPLACED_CNTR	6/23/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/21/1985	11/9/2007		11/9/2007				TRUE	TRUE	TRUE					
34637	SR526736	55G	EMPLACED_CNTR	11/14/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/13/1985	7/26/2007		7/26/2007				TRUE	TRUE	TRUE					
34638	SR526738	55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/7/1985	8/30/2007		8/30/2007		NoVent		TRUE	TRUE	TRUE					
34639	SR526739	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/7/1985	11/27/2004		11/27/2004				TRUE	TRUE	TRUE					
34640	SR526740	55G	EMPLACED_CNTR	1/13/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/13/1985	11/14/2007		11/14/2007				TRUE	TRUE	TRUE					
34641	SR526741	55G	EMPLACED_CNTR	2/12/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34642	SR526754	55G	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	6/20/2007		6/20/2007				TRUE	TRUE	TRUE					
34643	SR526755	55G	EMPLACED_CNTR	10/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/17/1985	5/17/1985		5/25/2004				TRUE	TRUE	TRUE					
34644	SR526756	55G	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Purge	0	5/17/1985	5/17/1985		5/18/2004				TRUE	TRUE	TRUE					
34645	SR526757	55G	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/1/1985	6/1/1985		6/12/2007				TRUE	TRUE	TRUE					
34646	SR526758	55G	EMPLACED_CNTR	5/25/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	11/27/2007		11/27/2007				TRUE	TRUE	TRUE					
34647	SR526762	55G	EMPLACED_CNTR	3/7/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/13/1985	7/27/2007		7/27/2007				TRUE	TRUE	TRUE					
34648	SR526763	55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	4/22/2008		4/22/2008		NoVent		TRUE	TRUE	TRUE					
34649	SR526764	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	8/13/1985	6/5/2004		6/5/2004				TRUE	TRUE	TRUE					
34650	SR526766	55G	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	6/28/2007		6/28/2007				TRUE	TRUE	TRUE					
34651	SR526767	55G	APPROVED_CERT		4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/6/1985	7/29/2008		7/29/2008		NoVent		TRUE	TRUE	TRUE					
34652	SR526768	55G	EMPLACED_CNTR	1/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/1/1985	8/6/2006		8/6/2006				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34653	SR526769	55G	EMPLACED_CNTR	7/22/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	6/1/1985	3/5/2006		3/5/2006				TRUE	TRUE	TRUE					
34654	SR526770	55G	EMPLACED_CNTR	6/17/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	6/1/1985	6/1/1985		6/3/2005				TRUE	TRUE	TRUE					
34655	SR526772	55G	EMPLACED_CNTR	3/22/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	6/1/1985	6/1/1985		12/21/2007				TRUE	TRUE	TRUE					
34656	SR526773	55G	EMPLACED_CNTR	10/18/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	5/21/1985	5/21/1985		2/2/2004				TRUE	TRUE	TRUE					
34657	SR526775	55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/9/1985	1/25/2007		1/25/2007				TRUE	TRUE	TRUE					
34658	SR526776	55G	EMPLACED_CNTR	6/29/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/9/1985	6/12/2004		6/12/2004				TRUE	TRUE	TRUE					
34659	SR526779	55G	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/9/1985	6/15/2004		6/15/2004				TRUE	TRUE	TRUE					
34660	SR526794	55G	EMPLACED_CNTR	8/23/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/22/1985	6/1/2004		6/1/2004				TRUE	TRUE	TRUE					
34661	SR526795	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	7/22/1985	6/22/2005		6/22/2005				TRUE	TRUE	TRUE					
34662	SR529001	55G	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	5/29/2004		5/29/2004				TRUE	TRUE	TRUE					
34663	SR529002	55G	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	5/6/2004		5/6/2004				TRUE	TRUE	TRUE					
34664	SR529003	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	3/30/2006		3/30/2006				TRUE	TRUE	TRUE					
34665	SR529004	55G	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	4/22/2004		4/22/2004				TRUE	TRUE	TRUE					
34666	SR529005	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	9/22/2006		9/22/2006				TRUE	TRUE	TRUE					
34667	SR529006	55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	9/30/2006		9/30/2006				TRUE	TRUE	TRUE					
34668	SR529007	55G	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	5/7/2004		5/7/2004				TRUE	TRUE	TRUE					
34669	SR529008	55G	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	4/7/2006		4/7/2006				TRUE	TRUE	TRUE					
34670	SR529008A	55G	EMPLACED_CNTR	6/24/2012 13:24	3/8/2012 15:29	received	SR-WQ27-FB-PRE86-C	S5300			4/7/2006	3/5/2012	4/7/2006	3/5/2012		SWD061186 re-named and WS reassigned from SR-SWMF-NET-A; 221-F-55006 Tru Drum Repacking.		TRUE	FALSE	TRUE					
34671	SR529009	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	6/3/2004		6/3/2004				TRUE	TRUE	TRUE					
34672	SR529010	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	6/23/2004		6/23/2004				TRUE	TRUE	TRUE					
34673	SR529011	55G	EMPLACED_CNTR	5/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	10/29/2004		10/29/2004				TRUE	TRUE	TRUE					
34674	SR529012	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	2/8/2007		2/8/2007				TRUE	TRUE	TRUE					
34675	SR529013	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	12/5/2006		12/5/2006				TRUE	TRUE	TRUE					
34676	SR529014	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	9/18/2006		9/18/2006				TRUE	TRUE	TRUE					
34677	SR529015	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	10/18/2006		10/18/2006				TRUE	TRUE	TRUE					
34678	SR529016	55G	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	3/31/2006		3/31/2006				TRUE	TRUE	TRUE					
34679	SR529017	55G	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/16/1985	5/10/2004		5/10/2004				TRUE	TRUE	TRUE					
34680	SR529018	55G	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	6/23/2004		6/23/2004				TRUE	TRUE	TRUE					
34681	SR529019	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	9/29/2006		9/29/2006				TRUE	TRUE	TRUE					
34682	SR529020	55G	EMPLACED_CNTR	10/28/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	4/2/2006		4/2/2006				TRUE	TRUE	TRUE					
34683	SR529021	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	11/28/2004		11/28/2004				TRUE	TRUE	TRUE					
34684	SR529022	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/29/1985	11/21/2006		11/21/2006				TRUE	TRUE	TRUE					
34685	SR529023	55G	EMPLACED_CNTR	3/29/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	11/10/2007		11/10/2007				TRUE	TRUE	TRUE					
34686	SR529024	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/17/1985	5/8/2004		5/8/2004				TRUE	TRUE	TRUE					
34687	SR529025	55G	EMPLACED_CNTR	9/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	2/8/2007		2/8/2007				TRUE	TRUE	TRUE					
34688	SR529025A	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		2/8/2007		2/8/2007											
34689	SR529026	55G	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/16/1985	8/6/2008		8/6/2008				TRUE	TRUE	TRUE					
34690	SR529027	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/29/1985	9/28/2006		9/28/2006				TRUE	TRUE	TRUE					
34691	SR529027A	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		9/28/2006		9/28/2006											
34692	SR529028	55G	EMPLACED_CNTR	1/29/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	6/2/2008		6/2/2008				TRUE	TRUE	TRUE					
34693	SR529029	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	3/14/2006		3/14/2006				TRUE	TRUE	TRUE					
34694	SR529030	55G	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	1/16/2007		1/16/2007				TRUE	TRUE	TRUE					
34695	SR529031	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	9/6/2006		9/6/2006				TRUE	TRUE	TRUE					
34696	SR529031A	55G	EMPLACED_CNTR	6/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		9/6/2006		9/6/2006											
34697	SR529032	55G	EMPLACED_CNTR	5/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	1/25/2007		1/25/2007				TRUE	TRUE	TRUE					
34698	SR529032A	55G	EMPLACED_CNTR	3/25/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1		11/14/2007		11/14/2007											
34699	SR529033	55G	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	5/15/2004		5/15/2004				TRUE	TRUE	TRUE					
34700	SR529034	55G	EMPLACED_CNTR	3/18/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	9/25/2006		9/25/2006				TRUE	TRUE	TRUE					
34701	SR529035	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	3/5/2008		3/5/2008				TRUE	TRUE	TRUE					
34702	SR529036	55G	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/24/1985	10/28/2004		10/28/2004				TRUE	TRUE	TRUE					
34703	SR529037	55G	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	12/5/2006		12/5/2006				TRUE	TRUE	TRUE					
34704	SR529038	55G	EMPLACED_CNTR	9/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	5/6/2004		5/6/2004				TRUE	TRUE	TRUE					
34705	SR529039	55G	EMPLACED_CNTR	5/11/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	8/1/2007		8/1/2007				TRUE	TRUE	TRUE					
34706	SR529040	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	9/20/2006		9/20/2006				TRUE	TRUE	TRUE					
34707	SR529041	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	10/18/2006		10/18/2006				TRUE	TRUE	TRUE					
34708	SR529042	55G	EMPLACED_CNTR	1/26/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	10/31/1985	7/5/2006		7/5/2006				TRUE	TRUE	TRUE					
34709	SR529044	55G	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1985	4/17/2008		4/17/2008				TRUE	TRUE	TRUE					
34710	SR529046	55G	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/2/1985	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34711	SR529048	55G	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1985	4/29/2008		4/29/2008				TRUE	TRUE	TRUE					
34712	SR529050	55G	EMPLACED_CNTR	6/5/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/20/1985	1/24/2008		1/24/2008				TRUE	TRUE	TRUE					
34713	SR529051	55G	EMPLACED_CNTR	11/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1985	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
34714	SR529052	55G	EMPLACED_CNTR	9/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	11/21/1985	11/21/1985		12/12/2007				TRUE	TRUE	TRUE					
34715	SR529053	55G	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	11/21/1985	6/22/2005		6/22/2005				TRUE	TRUE	TRUE					
34716	SR529058	55G	EMPLACED_CNTR	4/3/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/11/2004				TRUE	TRUE	TRUE					
34717	SR529059	55G	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	12/2/1985	12/2/1985		3/22/2007				TRUE	TRUE	TRUE					
34718	SR529060	55G	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/18/2004				TRUE	TRUE	TRUE					
34719	SR529061	55G	EMPLACED_CNTR	3/29/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/17/2004				TRUE	TRUE	TRUE					
34720	SR529062	55G	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/2/1985	5/30/2004		5/30/2004				TRUE	TRUE	TRUE					
34721	SR529063	55G	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	12/2/1985	12/2/1985		10/30/2007				TRUE	TRUE	TRUE					
34722	SR529064	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	12/2/1985	12/2/1985		3/2/2007				TRUE	TRUE	TRUE					
34723	SR529065	55G	EMPLACED_CNTR	5/16/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/17/2004				TRUE	TRUE	TRUE					
34724	SR529066	55G	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/2/1985	12/19/2007		12/19/2007				TRUE	TRUE	TRUE					
34725	SR529067	55G	EMPLACED_CNTR	4/14/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	12/2/1985	12/2/1985		12/23/2007				TRUE	TRUE	TRUE					
34726	SR529068	55G	EMPLACED_CNTR	4/8/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/17/2004				TRUE	TRUE	TRUE					
34727	SR529069	55G	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/2/1985	10/9/2006		10/9/2006				TRUE	TRUE	TRUE					
34728	SR529070	55G	EMPLACED_CNTR	3/31/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/2/1985	12/2/1985		4/19/2004				TRUE	TRUE	TRUE					
34729	SR529071	55G	EMPLACED_CNTR	9/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/2/1985	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
34730	SR529072	55G	EMPLACED_CNTR	3/28/1007	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/10/1985	9/14/2006		9/14/2006				TRUE	TRUE	TRUE					
34731	SR529073	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		5/26/2004				TRUE	TRUE	TRUE					
34732	SR529074	55G	EMPLACED_CNTR	4/30/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		5/31/2004				TRUE	TRUE	TRUE					
34733	SR529075	55G	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		5/27/2004				TRUE	TRUE	TRUE					
34734	SR529076	55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		5/29/2004				TRUE	TRUE	TRUE					
34735	SR529077	55G	EMPLACED_CNTR	8/28/1005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		7/16/2004				TRUE	TRUE	TRUE					
34736	SR529078	55G	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Vent	0	12/10/1985	12/10/1985		4/14/2007				TRUE	TRUE	TRUE					
34737	SR529079	55G	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/10/1985	5/27/2004		5/27/2004				TRUE	TRUE	TRUE					
34738	SR529080	55G	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	Remediate	1	12/10/1985	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34739	SR529081	55G	EMPLACED_CNTR	7/1/2006	4/28/2011 6:00	WWIS_Updt	SR-WQ27-FB-PRE86-C	S5300	V&P Purge	0	12/10/1985	12/10/1985		5/6/2004				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3474	SR529082	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/10/1985	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
3474	SR529083	SSG	EMPLACED_CNTR	8/16/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/10/1985	4/29/2004		4/29/2004				TRUE	TRUE	TRUE					
3474	SR529084	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/10/1985	5/14/2004		5/14/2004				TRUE	TRUE	TRUE					
3474	SR529085	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/10/1985	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
3474	SR529089	SSG	EMPLACED_CNTR	6/13/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	2/19/2008		2/19/2008				TRUE	TRUE	TRUE					
3474	SR529090	SSG	EMPLACED_CNTR	1/10/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	8/3/2007		8/3/2007				TRUE	TRUE	TRUE					
3474	SR529091	SSG	EMPLACED_CNTR	2/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	8/29/2007		8/29/2007				TRUE	TRUE	TRUE					
3474	SR529092	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	7/11/2007		7/11/2007				TRUE	TRUE	TRUE					
3474	SR529093	SSG	EMPLACED_CNTR	6/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	4/29/2004		4/29/2004				TRUE	TRUE	TRUE					
3474	SR529094	SSG	EMPLACED_CNTR	3/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	5/27/2004		5/27/2004				TRUE	TRUE	TRUE					
3475	SR529095	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	12/19/1985	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
3475	SR529096	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/18/1985	10/18/1985		12/2/2003				TRUE	TRUE	TRUE					
3475	SR529097	SSG	EMPLACED_CNTR	3/26/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/19/1985	12/19/1985		4/13/2004				TRUE	TRUE	TRUE					
3475	SR529098	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		12/8/2007				TRUE	TRUE	TRUE					
3475	SR529099	SSG	EMPLACED_CNTR	8/25/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/7/1986	1/17/1986		12/8/2003				TRUE	TRUE	TRUE					
3475	SR529100	SSG	EMPLACED_CNTR	8/26/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		5/25/2004				TRUE	TRUE	TRUE					
3475	SR529201	SSG	EMPLACED_CNTR	7/21/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/2/1985	7/2/1985		4/12/2004				TRUE	TRUE	TRUE					
3475	SR529202	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/2/1985	3/5/2008		3/5/2008				TRUE	TRUE	TRUE					
3475	SR529203	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/2/1985	7/2/1985		3/12/2007				TRUE	TRUE	TRUE					
3475	SR529204	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/2/1985	7/2/1985		8/21/2007				TRUE	TRUE	TRUE					
3476	SR529205	SSG	EMPLACED_CNTR	8/25/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/21/1985	9/13/2007		9/13/2007				TRUE	TRUE	TRUE					
3476	SR529205A	SSG	EMPLACED_CNTR	8/22/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	9/13/2007		9/13/2007		3/7/2008			TRUE	TRUE	TRUE					
3476	SR529206	SSG	EMPLACED_CNTR	8/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/1/1985	8/1/1985		4/19/2004				TRUE	TRUE	TRUE					
3476	SR529207	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/1/1985	8/1/1985		4/18/2004				TRUE	TRUE	TRUE					
3476	SR529208	SSG	EMPLACED_CNTR	8/12/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/1/1985	8/1/1985		4/14/2004				TRUE	TRUE	FALSE					
3476	SR529212	SSG	EMPLACED_CNTR	8/28/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/16/1985	7/16/1985		4/12/2004				TRUE	TRUE	TRUE					
3476	SR529213	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	7/16/1985	7/16/1985		5/18/2004				TRUE	TRUE	TRUE					
3476	SR529214	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	7/16/1985	7/16/1985		4/12/2004				TRUE	TRUE	TRUE					
3476	SR529215	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/8/1985	8/8/1985		7/22/2004				TRUE	TRUE	TRUE					
3476	SR529216	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	7/22/1985	6/27/2007		6/27/2007				TRUE	TRUE	TRUE					
3477	SR529216A	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300		0	6/27/2007		6/27/2007		12/20/2007			TRUE	TRUE	TRUE					
3477	SR529237	SSG	EMPLACED_CNTR	8/31/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	8/22/1985	8/22/1985		4/15/2004				TRUE	TRUE	TRUE					
3477	SR529258	SSG	EMPLACED_CNTR	11/1/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	6/26/2007		6/26/2007				TRUE	TRUE	TRUE					
3477	SR529259	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		4/17/2004				TRUE	TRUE	TRUE					
3477	SR529160	SSG	EMPLACED_CNTR	8/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		5/14/2004				TRUE	TRUE	TRUE					
3477	SR529261	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
3477	SR529262	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		5/16/2004				TRUE	TRUE	TRUE					
3477	SR529263	SSG	EMPLACED_CNTR	4/6/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		5/16/2004				TRUE	TRUE	TRUE					
3477	SR529264	SSG	EMPLACED_CNTR	4/1/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		5/25/2004				TRUE	TRUE	TRUE					
3477	SR529265	SSG	EMPLACED_CNTR	4/12/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	10/9/1985	10/9/1985		5/16/2004				TRUE	TRUE	TRUE					
3478	SR529266	SSG	EMPLACED_CNTR	5/25/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
3478	SR529267	SSG	EMPLACED_CNTR	2/12/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/9/1985	6/18/2008		6/18/2008				TRUE	TRUE	TRUE					
3478	SR529268	SSG	EMPLACED_CNTR	11/16/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/15/1985	5/14/2008		5/14/2008				TRUE	TRUE	TRUE					
3478	SR529269	SSG	EMPLACED_CNTR	2/26/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	9/19/2007		9/19/2007				TRUE	TRUE	TRUE					
3478	SR529270	SSG	EMPLACED_CNTR	4/25/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	9/5/2007		9/5/2007				TRUE	TRUE	TRUE					
3478	SR529271	SSG	EMPLACED_CNTR	1/5/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	8/3/2007		8/3/2007				TRUE	TRUE	TRUE					
3478	SR529273	SSG	EMPLACED_CNTR	6/18/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	10/25/2007		10/25/2007				TRUE	TRUE	TRUE					
3478	SR529274	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	9/12/2006		9/12/2006				TRUE	TRUE	TRUE					
3478	SR529275	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	2/2/2008		2/2/2008				TRUE	TRUE	TRUE					
3478	SR529276	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	5/23/2006		5/23/2006				TRUE	TRUE	TRUE					
3479	SR529276A	SSG	EMPLACED_CNTR	6/9/2012 10:09	3/15/2012 21:01	mccabed	SR-W027-FB-PRE86-C	S5300			5/23/2006	3/6/2012	5/23/2006	3/6/2012		SWD061364 re-named and WS reassigned from SR-SWMF-HET-A; Tru Drum repacking 221-F-55006		TRUE	FALSE	TRUE					
3479	SR529277	SSG	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	10/31/2006		10/31/2006				TRUE	TRUE	TRUE					
3479	SR529278	SSG	EMPLACED_CNTR	8/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	11/10/2006		11/10/2006				TRUE	TRUE	TRUE					
3479	SR529280	SSG	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	9/7/2006		9/7/2006				TRUE	TRUE	TRUE					
3479	SR529281	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	3/5/2007		3/5/2007				TRUE	TRUE	TRUE					
3479	SR529281A	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/5/2007	7/30/2007	3/5/2007	7/30/2007	8/28/2007			TRUE	TRUE	TRUE					
3479	SR529282	SSG	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	1/16/2007		1/16/2007				TRUE	TRUE	TRUE					
3479	SR529283	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	10/27/2006		10/27/2006				TRUE	TRUE	TRUE					
3479	SR529284	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/10/1985	9/18/2006		9/18/2006				TRUE	TRUE	TRUE					
3479	SR529285	SSG	EMPLACED_CNTR	6/26/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	10/24/2006		10/24/2006											
3480	SR529285A	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1		10/24/2006		10/24/2006				TRUE	TRUE	TRUE					
3480	SR529286	SSG	EMPLACED_CNTR	12/20/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	9/11/2006		9/11/2006				TRUE	TRUE	TRUE					
3480	SR529287	SSG	EMPLACED_CNTR	6/8/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	1/11/2007		1/11/2007				TRUE	TRUE	TRUE					
3480	SR529288	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	10/4/2006		10/4/2006				TRUE	TRUE	TRUE					
3480	SR529289	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	7/16/2007		7/16/2007				TRUE	TRUE	TRUE					
3480	SR529290	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	10/16/1985	11/2/2006		11/2/2006				TRUE	TRUE	TRUE					
3480	SR529291	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	11/16/1985	2/26/2008		2/26/2008				TRUE	TRUE	TRUE					
3480	SR529294	SSG	EMPLACED_CNTR	1/14/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	9/12/1985	9/17/2007		9/17/2007				TRUE	TRUE	TRUE					
3480	SR529299	SSG	EMPLACED_CNTR	9/13/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	12/19/1985	12/19/1985		11/26/2003				TRUE	TRUE	TRUE					
3480	SR529802	SSG	EMPLACED_CNTR	6/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	3/9/1986	6/13/2005		6/13/2005				TRUE	TRUE	TRUE					
3481	SR530001	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		6/2/2007				TRUE	TRUE	TRUE					
3481	SR530002	SSG	EMPLACED_CNTR	11/4/2007	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		6/2/2007				TRUE	TRUE	TRUE					
3481	SR530003	SSG	EMPLACED_CNTR	7/17/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/8/1986	2/22/2008		2/22/2008				TRUE	TRUE	TRUE					
3481	SR530004	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		8/2/2007				TRUE	TRUE	TRUE					
3481	SR530005	SSG	EMPLACED_CNTR	8/8/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/7/1986	1/7/1986		6/19/2006				TRUE	TRUE	TRUE					
3481	SR530006	SSG	EMPLACED_CNTR	3/12/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/7/1986	1/7/1986		12/27/2007				TRUE	TRUE	TRUE					
3481	SR530007	SSG	EMPLACED_CNTR	9/1/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	3/23/2006		3/23/2006				TRUE	TRUE	TRUE					
3481	SR530008	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/7/1986	1/7/1986		1/29/2008				TRUE	TRUE	TRUE					
3481	SR530009	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/7/1986	5/4/2004		5/4/2004				TRUE	TRUE	TRUE					
3481	SR530010	SSG	EMPLACED_CNTR	11/8/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Purge	0	1/7/1986	1/7/1986		1/11/2008				TRUE	TRUE	TRUE					
3482	SR530011	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/30/1986	1/30/1986		12/21/2007				TRUE	TRUE	TRUE					
3482	SR530012	SSG	EMPLACED_CNTR	9/15/2005	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
3482	SR530013	SSG	EMPLACED_CNTR	10/12/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	5/25/2006		5/25/2006				TRUE	TRUE	TRUE					
3482	SR530014	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	V&P Vent	0	1/30/1986	1/30/1986		5/18/2004				TRUE	TRUE	TRUE					
3482	SR530015	SSG	EMPLACED_CNTR	8/17/2006	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	2/20/2006		2/20/2006				TRUE	TRUE	TRUE					
3482	SR530016	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	2/27/2008		2/27/2008				TRUE	TRUE	TRUE					
3482	SR530017	SSG	EMPLACED_CNTR	1/28/2009	4/28/2011 6:00	WWS_Upd	SR-W027-FB-PRE86-C	S5300	Remediate	1	1/9/1986	6/2/2008		6/2/2008				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34627	SRS30018	SSG	EMPLACED_CNTR	5/9/2009	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	2/27/2008		2/27/2008				TRUE	TRUE	TRUE					
34628	SRS30019	SSG	EMPLACED_CNTR	10/9/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	3/26/2008		3/26/2008				TRUE	TRUE	TRUE					
34629	SRS30020	SSG	EMPLACED_CNTR	8/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	11/27/2004		11/27/2004				TRUE	TRUE	TRUE					
34630	SRS30021	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	8/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34631	SRS30022	SSG	EMPLACED_CNTR	1/20/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34632	SRS30023	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	6/23/2004		6/23/2004				TRUE	TRUE	TRUE					
34633	SRS30024	SSG	EMPLACED_CNTR	7/17/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	2/23/2008		2/23/2008				TRUE	TRUE	TRUE					
34634	SRS30025	SSG	EMPLACED_CNTR	3/29/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/9/1986	6/21/2006		6/21/2006				TRUE	TRUE	TRUE					
34635	SRS30026	SSG	EMPLACED_CNTR	3/31/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		4/19/2004				TRUE	TRUE	TRUE					
34636	SRS30027	SSG	EMPLACED_CNTR	2/12/2009	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/14/1986	4/9/2008		4/9/2008				TRUE	TRUE	TRUE					
34637	SRS30028	SSG	EMPLACED_CNTR	8/18/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		6/20/2004				TRUE	TRUE	TRUE					
34638	SRS30029	SSG	EMPLACED_CNTR	7/13/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/14/1986	1/14/1986		4/16/2004				TRUE	TRUE	TRUE					
34639	SRS30030	SSG	EMPLACED_CNTR	7/25/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/14/1986	1/14/1986		12/13/2007				TRUE	TRUE	TRUE					
34640	SRS30031	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		4/15/2004				TRUE	TRUE	TRUE					
34641	SRS30032	SSG	EMPLACED_CNTR	11/2/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		6/20/2004				TRUE	TRUE	TRUE					
34642	SRS30033	SSG	EMPLACED_CNTR	4/6/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		5/17/2004				TRUE	TRUE	TRUE					
34643	SRS30034	SSG	EMPLACED_CNTR	3/16/2009	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/14/1986	3/13/2008		3/13/2008				TRUE	TRUE	TRUE					
34644	SRS30035	SSG	EMPLACED_CNTR	4/21/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/14/1986	11/15/2006		11/15/2006				TRUE	TRUE	TRUE					
34645	SRS30036	SSG	EMPLACED_CNTR	8/18/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/14/1986	1/14/1986		4/16/2004				TRUE	TRUE	TRUE					
34646	SRS30037	SSG	EMPLACED_CNTR	7/26/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/14/1986	11/6/2005		11/6/2005				TRUE	TRUE	TRUE					
34647	SRS30038	SSG	EMPLACED_CNTR	5/15/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/14/1986	1/14/1986		12/22/2007				TRUE	TRUE	TRUE					
34648	SRS30039	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/14/1986	1/14/1986		4/15/2004				TRUE	TRUE	TRUE					
34649	SRS30040	SSG	EMPLACED_CNTR	4/6/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/30/1986	1/30/1986		4/11/2004				TRUE	TRUE	TRUE					
34650	SRS30041	SSG	EMPLACED_CNTR	8/18/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/21/1986	1/21/1986		4/11/2004				TRUE	TRUE	TRUE					
34651	SRS30042	SSG	EMPLACED_CNTR	3/29/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/21/1986	1/21/1986		11/24/2006				TRUE	TRUE	TRUE					
34652	SRS30043	SSG	EMPLACED_CNTR	7/1/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/21/1986	1/21/1986		5/17/2004				TRUE	TRUE	TRUE					
34653	SRS30044	SSG	EMPLACED_CNTR	3/29/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	1/21/1986	1/21/1986		11/24/2006				TRUE	TRUE	TRUE					
34654	SRS30045	SSG	EMPLACED_CNTR	8/8/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/21/1986	1/26/2006		1/26/2006				TRUE	TRUE	TRUE					
34655	SRS30046	SSG	EMPLACED_CNTR	3/29/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/30/1986	9/18/2006		9/18/2006				TRUE	TRUE	TRUE					
34656	SRS30047	SSG	EMPLACED_CNTR	4/2/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	1/30/1986	1/30/1986		4/12/2004				TRUE	TRUE	TRUE					
34657	SRS30048	SSG	EMPLACED_CNTR	8/25/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/6/1986	2/6/1986		4/14/2004				TRUE	TRUE	TRUE					
34658	SRS30049	SSG	EMPLACED_CNTR	7/1/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/6/1986	2/6/1986		6/1/2004				TRUE	TRUE	TRUE					
34659	SRS30050	SSG	EMPLACED_CNTR	6/5/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	1/26/2008		1/26/2008				TRUE	TRUE	TRUE					
34660	SRS30051	SSG	EMPLACED_CNTR	1/5/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	8/3/2007		8/3/2007				TRUE	TRUE	TRUE					
34661	SRS30052	SSG	EMPLACED_CNTR	9/30/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	2/21/2008		2/21/2008				TRUE	TRUE	TRUE					
34662	SRS30053	SSG	EMPLACED_CNTR	8/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	11/29/2004		11/29/2004				TRUE	TRUE	TRUE					
34663	SRS30054	SSG	EMPLACED_CNTR	3/26/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	9/7/2007		9/7/2007				TRUE	TRUE	TRUE					
34664	SRS30055	SSG	EMPLACED_CNTR	7/8/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	3/6/2008		3/6/2008				TRUE	TRUE	TRUE					
34665	SRS30055A	SSG	EMPLACED_CNTR	9/30/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300		0	3/6/2008		3/6/2008		8/29/2008			TRUE	TRUE	TRUE					
34666	SRS30056	SSG	EMPLACED_CNTR	11/12/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	5/4/2004		5/4/2004				TRUE	TRUE	TRUE					
34667	SRS30057	SSG	EMPLACED_CNTR	4/7/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	10/25/2007		10/25/2007				TRUE	TRUE	TRUE					
34668	SRS30058	SSG	EMPLACED_CNTR	3/29/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/11/1986	10/4/2006		10/4/2006				TRUE	TRUE	TRUE					
34669	SRS30059	SSG	EMPLACED_CNTR	6/8/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/13/1989	11/27/2004		11/27/2004				TRUE	TRUE	TRUE					
34670	SRS30060	SSG	EMPLACED_CNTR	7/1/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/13/1984	2/13/1984		5/24/2004				TRUE	TRUE	TRUE					
34671	SRS30061	SSG	EMPLACED_CNTR	4/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/13/1983	2/13/1983		4/12/2004				TRUE	TRUE	TRUE					
34672	SRS30062	SSG	EMPLACED_CNTR	10/12/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/13/1980	4/16/2006		4/16/2006				FALSE	TRUE	TRUE					
34673	SRS30063	SSG	EMPLACED_CNTR	10/20/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/13/1977	6/12/2004		6/12/2004				FALSE	TRUE	TRUE					
34674	SRS30064	SSG	EMPLACED_CNTR	8/8/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/13/1974	2/13/1974		4/15/2004				TRUE	TRUE	TRUE					
34675	SRS30065	SSG	EMPLACED_CNTR	4/7/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/13/1971	11/16/2007		11/16/2007				TRUE	TRUE	TRUE					
34676	SRS30066	SSG	EMPLACED_CNTR	10/13/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/19/1986	5/15/2006	5/15/2006	5/15/2006	11/7/2006			TRUE	TRUE	TRUE					
34677	SRS30074	SSG	EMPLACED_CNTR	4/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/20/1986	2/20/1986		5/24/2004				TRUE	TRUE	TRUE					
34678	SRS30075	SSG	EMPLACED_CNTR	9/14/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/20/1986	2/20/1986		4/12/2004				TRUE	TRUE	TRUE					
34679	SRS30076	SSG	EMPLACED_CNTR	4/7/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	11/13/2007		11/13/2007				TRUE	TRUE	TRUE					
34680	SRS30077	SSG	EMPLACED_CNTR	10/28/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	5/4/2004		5/4/2004				TRUE	TRUE	TRUE					
34681	SRS30078	SSG	EMPLACED_CNTR	5/9/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	8/1/2004		8/1/2004				TRUE	TRUE	TRUE					
34682	SRS30079	SSG	EMPLACED_CNTR	12/5/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	10/30/2006		10/30/2006				TRUE	TRUE	TRUE					
34683	SRS30080	SSG	EMPLACED_CNTR	3/20/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	11/13/2007		11/13/2007				TRUE	TRUE	TRUE					
34684	SRS30081	SSG	EMPLACED_CNTR	4/15/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/20/1986	2/20/1986		10/25/2004				TRUE	TRUE	TRUE					
34685	SRS30082	SSG	EMPLACED_CNTR	6/8/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	6/22/2005		6/22/2005				TRUE	TRUE	TRUE					
34686	SRS30083	SSG	EMPLACED_CNTR	3/3/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/20/1986	6/3/2004		8/3/2004				TRUE	TRUE	TRUE					
34687	SRS30084	SSG	EMPLACED_CNTR	8/1/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	3/19/1986	3/19/1986		3/25/2007				TRUE	TRUE	TRUE					
34688	SRS30085	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	5/26/2004		5/26/2004				TRUE	TRUE	TRUE					
34689	SRS30086	SSG	EMPLACED_CNTR	1/22/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	9/11/2007		9/11/2007				TRUE	TRUE	TRUE					
34690	SRS30087	SSG	EMPLACED_CNTR	1/22/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	9/12/2007		9/12/2007				TRUE	TRUE	TRUE					
34691	SRS30088	SSG	EMPLACED_CNTR	8/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	5/17/2004		5/17/2004				TRUE	TRUE	TRUE					
34692	SRS30089	SSG	EMPLACED_CNTR	9/13/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/6/1986	3/6/1986		4/18/2004				TRUE	TRUE	TRUE					
34693	SRS30090	SSG	EMPLACED_CNTR	6/15/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/6/1986	3/6/1986		4/18/2004				TRUE	TRUE	TRUE					
34694	SRS30091	SSG	EMPLACED_CNTR	10/20/2004	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	5/15/2006		5/15/2006				TRUE	TRUE	TRUE					
34695	SRS30092	SSG	EMPLACED_CNTR	1/9/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/6/1986	10/13/2006		10/13/2006				TRUE	TRUE	TRUE					
34696	SRS30093	SSG	EMPLACED_CNTR	9/25/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/6/1986	3/6/1986		4/17/2004				TRUE	TRUE	TRUE					
34697	SRS30094	SSG	EMPLACED_CNTR	4/13/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	3/6/1986	3/6/1986		5/14/2004				TRUE	TRUE	TRUE					
34698	SRS30301	SSG	EMPLACED_CNTR	10/13/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/22/1985	8/22/1985		3/26/2007				TRUE	TRUE	TRUE					
34699	SRS30302	SSG	EMPLACED_CNTR	12/7/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/15/1985	8/15/1985		3/5/2007				TRUE	TRUE	TRUE					
34700	SRS30303	SSG	EMPLACED_CNTR	10/13/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/15/1985	8/15/1985		4/1/2007				TRUE	TRUE	TRUE					
34701	SRS30304	SSG	EMPLACED_CNTR	9/25/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/15/1985	8/15/1985		4/16/2004				TRUE	TRUE	TRUE					
34702	SRS30305	SSG	EMPLACED_CNTR	4/1/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/22/1985	8/22/1985		5/18/2004				TRUE	TRUE	TRUE					
34703	SRS30306	SSG	EMPLACED_CNTR	3/26/2005	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/6/1985	9/6/1985		4/11/2004				TRUE	TRUE	TRUE					
34704	SRS30307	SSG	EMPLACED_CNTR	10/27/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	9/6/1985	1/31/2006		3/31/2006				TRUE	TRUE	TRUE					
34705	SRS30308	SSG	EMPLACED_CNTR	11/2/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	8/27/1985	8/27/1985		4/11/2004				TRUE	TRUE	TRUE					
34706	SRS30309	SSG	EMPLACED_CNTR	4/11/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/27/1985	4/4/2006		4/4/2006				TRUE	TRUE	TRUE					
34707	SRS30310	SSG	EMPLACED_CNTR	9/18/2009	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/27/1985	8/27/1985		12/13/2007				TRUE	TRUE	TRUE					
34708	SRS30311	SSG	EMPLACED_CNTR	4/4/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	8/27/1985	8/27/1985		12/25/2007				TRUE	TRUE	TRUE					
34709	SRS30313	SSG	EMPLACED_CNTR	7/17/2006	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	9/6/1985	9/6/1985		5/3/2004				TRUE	TRUE	TRUE					
34710	SRS30314	SSG	EMPLACED_CNTR	8/2/2007	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/16/1985	3/26/2007		3/26/2007				TRUE	TRUE	TRUE					
34711	SRS30315	SSG	EMPLACED_CNTR	4/4/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/16/1985	10/19/2007		10/19/2007				TRUE	TRUE	TRUE					
34712	SRS30316	SSG	EMPLACED_CNTR	3/30/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/16/1985	11/28/2007		11/28/2007				TRUE	TRUE	TRUE					
34713	SRS30317	SSG	EMPLACED_CNTR	1/29/2009	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/16/1985	6/2/2008		6/2/2008				TRUE	TRUE	TRUE					
34714	SRS30318	SSG	EMPLACED_CNTR	3/30/2008	4/26/2011 6:00	WWIS_Upd	SR-W027-FB-PRE86-C	SS300	Remediate	1	11/16/1985	12/3/2007		12/3/2007				TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
34915	SR530319	SSG	EMPLACED_CNTR	4/4/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/16/1985	11/15/2007		11/15/2007				TRUE	TRUE	TRUE					
34916	SR530320	SSG	EMPLACED_CNTR	1/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	10/17/2007		10/17/2007				TRUE	TRUE	TRUE					
34917	SR530321	SSG	EMPLACED_CNTR	3/28/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/31/1985	10/19/2006		10/19/2006				TRUE	TRUE	TRUE					
34918	SR530322	SSG	EMPLACED_CNTR	11/10/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	9/19/2006		9/19/2006				TRUE	TRUE	TRUE					
34919	SR530323	SSG	EMPLACED_CNTR	12/1/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	8/2/2004		8/2/2004				TRUE	TRUE	TRUE					
34920	SR530324	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	11/2/2006		11/2/2006				TRUE	TRUE	TRUE					
34921	SR530325	SSG	EMPLACED_CNTR	7/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	3/4/2008		3/4/2008				TRUE	TRUE	TRUE					
34922	SR530326	SSG	EMPLACED_CNTR	11/12/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/29/2004		5/29/2004				TRUE	TRUE	TRUE					
34923	SR530327	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	7/16/2007		7/16/2007				TRUE	TRUE	TRUE					
34924	SR530328	SSG	EMPLACED_CNTR	1/22/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	8/18/2007		8/18/2007				TRUE	TRUE	TRUE					
34925	SR530329	SSG	EMPLACED_CNTR	1/6/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	8/23/2007		8/23/2007				TRUE	TRUE	TRUE					
34926	SR530330	SSG	EMPLACED_CNTR	8/2/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	10/16/1985	10/16/1985		3/5/2007				TRUE	TRUE	TRUE					
34927	SR530331	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/14/2004		5/14/2004				TRUE	TRUE	TRUE					
34928	SR530332	SSG	EMPLACED_CNTR	10/17/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/10/2004		5/10/2004				TRUE	TRUE	TRUE					
34929	SR530333	SSG	EMPLACED_CNTR	8/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/14/2004		5/14/2004				TRUE	TRUE	TRUE					
34930	SR530334	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/29/2004		5/29/2004				TRUE	TRUE	TRUE					
34931	SR530335	SSG	EMPLACED_CNTR	3/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	11/10/2007		11/10/2007				TRUE	TRUE	TRUE					
34932	SR530336	SSG	EMPLACED_CNTR	1/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	6/2/2008		6/2/2008				TRUE	TRUE	TRUE					
34933	SR530337	SSG	EMPLACED_CNTR	12/3/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	5/1/2004		5/1/2004				TRUE	TRUE	TRUE					
34934	SR530338	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	9/28/2006		9/28/2006				TRUE	TRUE	TRUE					
34935	SR530339	SSG	EMPLACED_CNTR	2/12/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1985	7/28/2008		7/28/2008				TRUE	TRUE	TRUE					
34936	SR530400	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	9/6/1985	9/6/1985		8/13/2006				TRUE	TRUE	TRUE					
34937	SR540835	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	5/1/1986	5/1/1986		4/12/2004				TRUE	TRUE	TRUE					
34938	SR540840	SSG	EMPLACED_CNTR	4/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	5/1/1986	5/1/1986		5/15/2004				TRUE	TRUE	TRUE					
34939	SR540955	SSG	EMPLACED_CNTR	4/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/3/1986		1/26/1995		7/21/1995			TRUE	TRUE	TRUE					
34940	SR541018	SSG	EMPLACED_CNTR	4/27/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	4/17/1986	4/17/1986		5/4/2004				TRUE	TRUE	TRUE					
34941	SR541019	SSG	EMPLACED_CNTR	4/13/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	4/17/1986	4/17/1985		5/4/2004				TRUE	TRUE	TRUE					
34942	SR541020	SSG	EMPLACED_CNTR	10/13/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	4/1/1986	4/1/1986		3/26/2007				TRUE	TRUE	TRUE					
34943	SR541021	SSG	EMPLACED_CNTR	5/15/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	4/1/1986	4/1/1986		12/22/2007				TRUE	TRUE	TRUE					
34944	SR541022	SSG	EMPLACED_CNTR	12/9/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/1/1986	6/27/2007		6/27/2007				TRUE	TRUE	TRUE					
34945	SR541023	SSG	EMPLACED_CNTR	3/29/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/1/1986	10/6/2006		10/6/2006				TRUE	TRUE	TRUE					
34946	SR541041	SSG	EMPLACED_CNTR	10/5/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	5/29/2004		5/29/2004				TRUE	TRUE	TRUE					
34947	SR541042	SSG	EMPLACED_CNTR	6/15/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	5/28/2004		5/28/2004				TRUE	TRUE	TRUE					
34948	SR541043	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	2/13/2008		2/13/2008				TRUE	TRUE	TRUE					
34949	SR541044	SSG	EMPLACED_CNTR	10/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	5/27/2004		5/27/2004				TRUE	TRUE	TRUE					
34950	SR541045	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	3/26/2008		3/26/2008				TRUE	TRUE	TRUE					
34951	SR541046	SSG	EMPLACED_CNTR	8/20/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	2/12/2008		2/12/2008				TRUE	TRUE	TRUE					
34952	SR541047	SSG	EMPLACED_CNTR	4/21/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	10/23/2006		10/23/2006				TRUE	TRUE	TRUE					
34953	SR541048	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	4/22/1986	4/22/1986		4/11/2004				TRUE	TRUE	TRUE					
34954	SR541049	SSG	EMPLACED_CNTR	4/2/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	4/22/1986	4/22/1986		4/14/2004				TRUE	TRUE	TRUE					
34955	SR541050	SSG	EMPLACED_CNTR	4/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	4/22/1986	4/22/1986		12/13/2007				TRUE	TRUE	TRUE					
34956	SR541051	SSG	EMPLACED_CNTR	9/25/2005	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Purge	0	4/22/1986	4/22/1986		4/18/2004				TRUE	TRUE	TRUE					
34957	SR541052	SSG	EMPLACED_CNTR	10/9/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/22/1986	3/14/2008		3/14/2008				TRUE	TRUE	TRUE					
34958	SR544442	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/9/1986	4/21/2008	6/30/1995	4/21/2008	12/23/1995			TRUE	TRUE	TRUE					
34959	SR544458	SSG	EMPLACED_CNTR	12/8/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	5/29/1986	11/2/2006	10/26/1994	11/2/2006	4/20/1995			TRUE	TRUE	TRUE					
34960	SR544674	SSG	EMPLACED_CNTR	4/27/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	6/3/1986	1/2/2008		1/2/2008				TRUE	TRUE	TRUE					
34961	SR558322	SSG	EMPLACED_CNTR	10/27/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/24/1985	4/15/2006	12/31/1999	4/15/2006	6/24/2000			TRUE	TRUE	TRUE					
34962	SR72941	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/30/1973	4/2/2008		4/2/2008				TRUE	TRUE	TRUE					
34963	SR72953	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/29/1973	4/2/2008		4/2/2008				TRUE	TRUE	TRUE					
34964	SR72958	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/5/1973	3/31/2008		3/31/2008				TRUE	TRUE	TRUE					
34965	SR73298Y	SSG	EMPLACED_CNTR	3/31/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/16/1973	4/1/2008	12/31/1999	4/1/2008	6/24/2000			TRUE	TRUE	TRUE					
34966	SR73298Z	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/16/1973	4/1/2008	12/31/1999	4/1/2008	6/24/2000			TRUE	TRUE	TRUE					
34967	SR73305	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/20/1973	3/31/2008		3/31/2008				TRUE	TRUE	TRUE					
34968	SR73312	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/22/1973	4/3/2008		4/3/2008				TRUE	TRUE	TRUE					
34969	SR73327	SSG	EMPLACED_CNTR	6/17/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/30/1973	6/4/2008		6/4/2008				TRUE	TRUE	TRUE					
34970	SR73349	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/19/1973	3/11/2008		3/11/2008				TRUE	TRUE	TRUE					
34971	SR74026	SSG	EMPLACED_CNTR	8/6/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/5/1973	4/4/2008		4/4/2008				TRUE	TRUE	TRUE					
34972	SR74049	SSG	EMPLACED_CNTR	7/30/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/16/1973	3/13/2008		3/13/2008				TRUE	TRUE	TRUE					
34973	SR76018Y	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/24/1973	4/4/2008	12/31/1999	4/4/2008	6/24/2000			TRUE	TRUE	TRUE					
34974	SR76018Z	SSG	EMPLACED_CNTR	2/13/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/24/1973	3/11/2008	12/31/1999	3/11/2008	6/24/2000			TRUE	TRUE	TRUE					
34975	SR76027	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/29/1973	4/14/2008		4/14/2008				TRUE	TRUE	TRUE					
34976	SR76035	SSG	EMPLACED_CNTR	3/28/2010 14:18	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	8/30/1973	4/3/2008		4/3/2008				TRUE	TRUE	TRUE					
34977	SR76047	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	9/6/1973	4/3/2008		4/3/2008				TRUE	TRUE	TRUE					
34978	SR76903Y	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/16/1973	3/27/2008	12/31/1999	3/27/2008	6/24/2000			TRUE	TRUE	TRUE					
34979	SR76903Z	SSG	EMPLACED_CNTR	10/28/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/16/1973	4/4/2008	12/31/1999	4/4/2008	6/24/2000			TRUE	TRUE	TRUE					
34980	SR76937	SSG	EMPLACED_CNTR	1/9/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	12/6/1973	10/10/2007		10/10/2007				TRUE	TRUE	TRUE					
34981	SR76959	SSG	EMPLACED_CNTR	9/30/2008	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/28/1973	4/16/2008		4/16/2008				TRUE	TRUE	TRUE					
34982	SR76964	SSG	EMPLACED_CNTR	3/16/2009	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	12/14/1973	3/27/2008		3/27/2008				FALSE	TRUE	TRUE					
34983	SR87261	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	10/28/1976	4/28/2007	6/24/1999	4/28/2007	12/17/1999			FALSE	TRUE	TRUE					
34984	SR87262	SSG	EMPLACED_CNTR	5/8/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	10/28/1976		11/30/1999		5/24/2000			FALSE	TRUE	TRUE					
34985	SR87265	SSG	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/6/1977	3/26/2004	3/31/1999	3/26/2004	9/23/1999			FALSE	TRUE	TRUE					
34986	SR87266	SSG	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/6/1977	10/6/2003	3/24/1999	10/6/2003	9/16/1999			FALSE	TRUE	TRUE					
34987	SR87267	SSG	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	1/6/1977		3/31/1999		9/23/1999			FALSE	TRUE	TRUE					
34988	SR87268	SSG	EMPLACED_CNTR	11/19/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	1/6/1977		3/31/1999		9/23/1999			FALSE	TRUE	TRUE					
34989	SR87269	SSG	EMPLACED_CNTR	4/5/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/6/1977	3/4/2003	3/31/1999	3/4/2003	9/23/1999			FALSE	TRUE	TRUE					
34990	SR87270	SSG	EMPLACED_CNTR	11/10/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	1/6/1977		3/24/1999		9/16/1999			FALSE	TRUE	TRUE					
34991	SR87271	SSG	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/6/1977	6/9/2004	3/31/1999	6/9/2004	9/23/1999			FALSE	TRUE	TRUE					
34992	SR87273	SSG	EMPLACED_CNTR	9/30/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/13/1977	5/8/2007	12/31/1999	5/8/2007	6/24/2000			FALSE	TRUE	TRUE					
34993	SR87274	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/13/1977	11/11/2003	3/16/1999	11/11/2003	9/8/1999			FALSE	TRUE	TRUE					
34994	SR87275	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	1/18/1977	10/4/2003	11/8/1995	10/4/2003	5/2/2000			FALSE	TRUE	TRUE					
34995	SR87278	SSG	EMPLACED_CNTR	7/23/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	3/1/1977	12/13/2003	12/1/1999	12/11/2003	5/25/2000			FALSE	TRUE	TRUE					
34996	SR87279	SSG	EMPLACED_CNTR	8/4/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	2/11/1977		11/1/1999		4/25/2000			FALSE	TRUE	TRUE					
34997	SR87280	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	4/19/1977	4/19/1977	12/31/1999	10/3/2006	6/24/2000			FALSE	TRUE	TRUE					
34998	SR87281	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300		0	4/19/1977		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
34999	SR87282	SSG	EMPLACED_CNTR	7/13/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/19/1977	12/15/2003	6/9/1999	12/15/2003	12/2/1999			FALSE	TRUE	TRUE					
35000	SR87284	SSG	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	V&P Vent	0	4/28/1977	4/28/1977	12/31/1999	9/24/2006	6/24/2000			FALSE	TRUE	TRUE					
35001	SR87285	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	4/28/1977	11/10/2003	11/3/1999	11/10/2003	4/27/2000			TRUE	TRUE	TRUE					
35002	SR87285A	SSG	EMPLACED_CNTR	8/18/2004	4/28/2011 6:00	WWIS_Updt	SR-WO27-FB-PRE86-C	SS300	Remediate	1	11/10/2003	11/10/2003	11/10/2003	11/10/2003	5/4/2004			TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35003	SR87286	55G	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1977		6/9/1995		12/2/1995			FALSE	TRUE	TRUE					
35004	SR87288	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1977		6/24/1999		12/17/1999			FALSE	TRUE	TRUE					
35005	SR87289	55G	EMPLACED_CNTR	11/11/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	4/28/1977	6/13/2006	6/9/1999	6/13/2006	12/2/1999			FALSE	TRUE	TRUE					
35006	SR87290	55G	EMPLACED_CNTR	6/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/12/1977	2/14/2004	6/24/1999	2/14/2004	12/17/1999			FALSE	TRUE	TRUE					
35007	SR87291	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/12/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
35008	SR87292	55G	EMPLACED_CNTR	1/29/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/12/1977	10/11/2003	6/14/1999	10/11/2003	12/2/1999			FALSE	TRUE	TRUE					
35009	SR87381	55G	EMPLACED_CNTR	7/8/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1979		6/15/1999		12/8/1999			FALSE	TRUE	TRUE					
35010	SR87382	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
35011	SR87383	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/8/1979	4/1/2006	8/11/1999	4/1/2006	2/3/2000			FALSE	TRUE	TRUE					
35012	SR87384	55G	EMPLACED_CNTR	11/30/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
35013	SR87385	55G	EMPLACED_CNTR	7/19/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/8/1979		7/19/1999		1/11/2000			FALSE	TRUE	TRUE					
35014	SR87386	55G	EMPLACED_CNTR	11/28/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/13/1979		8/11/1999		2/3/2000			FALSE	TRUE	TRUE					
35015	SR87387	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	2/8/1979	8/5/2003	7/12/1999	8/5/2003	1/4/2000			FALSE	TRUE	TRUE					
35016	SR87388	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/13/1979	3/13/1979	6/10/1999	11/13/2006	12/3/1999			FALSE	TRUE	TRUE					
35017	SR87389	55G	EMPLACED_CNTR	11/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/13/1979		6/24/1999		12/17/1999			FALSE	TRUE	TRUE					
35018	SR87390	55G	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/13/1979	10/11/2003	6/15/1999	10/11/2003	12/8/1999			FALSE	TRUE	TRUE					
35019	SR87392	55G	EMPLACED_CNTR	10/22/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1979		8/5/1999		1/28/2000			FALSE	TRUE	TRUE					
35020	SR87393	55G	EMPLACED_CNTR	5/18/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/22/1979	1/20/2004	6/15/1999	1/20/2004	12/8/1999			FALSE	TRUE	TRUE					
35021	SR87395	55G	EMPLACED_CNTR	2/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1979		7/12/1999		1/4/2000			FALSE	TRUE	TRUE					
35022	SR87396	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/22/1979		7/15/1999		1/7/2000			FALSE	TRUE	TRUE					
35023	SR87400	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	2/8/1979		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35024	SR94981	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	5/12/1977		6/24/1999		12/17/1999			FALSE	TRUE	TRUE					
35025	SR94982	55G	EMPLACED_CNTR	12/1/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/7/1977		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
35026	SR94983	55G	EMPLACED_CNTR	12/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/1977	8/5/2003	6/24/1999	8/5/2003	12/17/1999			FALSE	TRUE	TRUE					
35027	SR94984	55G	EMPLACED_CNTR	6/28/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/1977	3/13/2006	6/23/1999	3/13/2006	12/16/1999			FALSE	TRUE	TRUE					
																SWD061096 re-named and WS reassigned from SR-									
35028	SR94984A	55G	EMPLACED_CNTR	6/9/2012 10:09	3/22/2012 10:07	mccabed	SR-W027-FB-PRE86-C	55300			3/13/2006	3/15/2012	3/13/2006	3/15/2012		SWMF-HET-A, Tru drum repacking 221-F-55006	- Rplcd into SR94984B	TRUE	FALSE	TRUE					
35029	SR94984B	55G	EMPLACED_CNTR	4/4/2013 15:21	3/22/2012 10:07	mccabed	SR-W027-FB-PRE86-C	55300			3/15/2012		3/15/2012			Tru drum repacking 221-F-55006.	- Rplcd was SR94984A	TRUE	FALSE	TRUE		SR94984A		Daughter	
35030	SR94985	55G	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/19/1977		6/28/1999		12/21/1999			FALSE	TRUE	TRUE					
35031	SR94986	55G	EMPLACED_CNTR	7/19/2001	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/7/1977		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
35032	SR94988	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/9/1977		6/23/1999		12/16/1999			FALSE	TRUE	TRUE					
35033	SR94989	55G	EMPLACED_CNTR	4/10/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/9/1977	10/25/2003	6/23/1999	10/25/2003	12/16/1999			FALSE	TRUE	TRUE					
35034	SR94991	55G	EMPLACED_CNTR	7/16/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/14/1977	3/8/2006	6/23/1999	3/8/2006	12/16/1999			FALSE	TRUE	TRUE					
35035	SR94991A	55G	EMPLACED_CNTR	11/17/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		3/8/2006		3/8/2006											
35036	SR94992	55G	EMPLACED_CNTR	11/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/14/1977	6/16/2004	6/23/1999	6/16/2004	12/16/1999			FALSE	TRUE	TRUE					
35037	SR94994	55G	EMPLACED_CNTR	9/30/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/14/1977	5/26/2006	6/23/1999	5/26/2006	12/16/1999			FALSE	TRUE	TRUE					
35038	SR94995	55G	EMPLACED_CNTR	12/5/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/14/1977	9/7/2003	6/23/1999	9/7/2003	12/16/1999			FALSE	TRUE	TRUE					
35039	SR94996	55G	EMPLACED_CNTR	1/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1977	8/8/2003	6/23/1999	8/8/2003	12/16/1999			FALSE	TRUE	TRUE					
35040	SR94999	55G	EMPLACED_CNTR	10/6/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/21/1977	2/13/2006	6/17/1999	2/13/2006	12/10/1999			FALSE	TRUE	TRUE					
35041	SR95000	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/23/1999		12/16/1999			FALSE	TRUE	TRUE					
35042	SR95459	55G	EMPLACED_CNTR	4/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/18/1976		6/7/1999		11/30/1999			FALSE	TRUE	TRUE					
35043	SR95460	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/15/1977		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
35044	SR95461	55G	EMPLACED_CNTR	11/19/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	11/18/1976		6/24/1999		12/17/1999			FALSE	TRUE	TRUE					
35045	SR95462	55G	EMPLACED_CNTR	8/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	11/18/1976	4/22/2004	11/30/1999	4/22/2004	5/24/2000			FALSE	TRUE	TRUE					
35046	SR95463	55G	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	5/12/1977	6/8/2006	6/24/1999	6/8/2006	12/17/1999			FALSE	TRUE	TRUE					
35047	SR95464	55G	EMPLACED_CNTR	7/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/15/1977	3/15/1977	12/31/1999	4/17/2004	6/24/2000			FALSE	TRUE	TRUE					
35048	SR95465	55G	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/15/1977		3/24/1999		9/16/1999			FALSE	TRUE	TRUE					
35049	SR95466	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/15/1977		3/25/1999		9/17/1999			FALSE	TRUE	TRUE					
35050	SR95467	55G	EMPLACED_CNTR	5/23/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/17/1977	12/31/1999	12/31/1999	1/15/2004	6/24/2000			FALSE	TRUE	TRUE					
35051	SR95468	55G	EMPLACED_CNTR	10/16/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1977	3/31/2008	12/31/1999	3/31/2008	6/24/2000			FALSE	TRUE	TRUE					
35052	SR95469	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1977	3/20/2003	3/31/1999	3/20/2003	9/23/1999			FALSE	TRUE	TRUE					
35053	SR95470	55G	EMPLACED_CNTR	7/12/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1977		3/29/1999		9/21/1999			FALSE	TRUE	TRUE					
35054	SR95471	55G	EMPLACED_CNTR	7/26/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1977	8/3/2004	3/31/1999	8/3/2004	9/23/1999			FALSE	TRUE	TRUE					
35055	SR95472	55G	EMPLACED_CNTR	3/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Lid Removal	0	3/17/1977	1/14/2003	12/31/1999	1/14/2003	6/24/2000			FALSE	TRUE	TRUE					
35056	SR95473	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1977		6/10/1999		12/3/1999			FALSE	TRUE	TRUE					
35057	SR95474	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	3/17/1977		3/29/1999		9/21/1999			FALSE	TRUE	TRUE					
35058	SR95475	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/17/1977	3/17/1977	12/31/1999	9/25/2006	6/24/2000			FALSE	TRUE	TRUE					
35059	SR95476	55G	EMPLACED_CNTR	4/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	3/17/1977	11/5/2003	4/6/1999	11/5/2003	9/28/1999			FALSE	TRUE	TRUE					
35060	SR95477	55G	EMPLACED_CNTR	5/25/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	3/17/1977	3/17/1977	12/31/1999	1/15/2004	6/24/2000			FALSE	TRUE	TRUE					
35061	SR95478	55G	EMPLACED_CNTR	7/19/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	4/28/1977		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
35062	SR95479	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/14/1977	4/14/1977	12/31/1999	11/12/2006	6/24/2000			FALSE	TRUE	TRUE					
35063	SR95480	55G	EMPLACED_CNTR	5/13/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	4/14/1977	4/14/1977	6/9/1999	1/15/2004	12/2/1999			FALSE	TRUE	TRUE					
35064	SR95481	55G	EMPLACED_CNTR	5/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/19/1977	12/27/2006	12/31/1999	12/27/2006	6/24/2000			FALSE	TRUE	TRUE					
35065	SR95481A	55G	EMPLACED_CNTR	6/13/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		12/27/2006		12/27/2006											
35066	SR95481B	55G	EMPLACED_CNTR	11/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1		12/27/2006		12/27/2006											
35067	SR96401	55G	EMPLACED_CNTR	3/5/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/2/1976	10/6/2003	3/17/1999	10/6/2003	9/9/1999			FALSE	TRUE	TRUE					
35068	SR96402	55G	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	12/2/1976	12/4/2003	3/29/1999	12/4/2003	9/21/1999			FALSE	TRUE	TRUE					
35069	SR96405	55G	EMPLACED_CNTR	11/17/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/23/1999		12/16/1999			FALSE	TRUE	TRUE					
35070	SR96406	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35071	SR96407	55G	EMPLACED_CNTR	4/28/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/17/1999		12/10/1999			FALSE	TRUE	TRUE					
35072	SR96408	55G	EMPLACED_CNTR	11/26/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35073	SR96409	55G	EMPLACED_CNTR	6/25/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/21/1977		6/17/1999		12/10/1999			FALSE	TRUE	TRUE					
35074	SR96410	55G	EMPLACED_CNTR	4/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/28/1977	11/1/2003	6/16/1999	11/1/2003	12/9/1999			FALSE	TRUE	TRUE					
35075	SR96411	55G	EMPLACED_CNTR	6/23/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/7/1977	10/30/2004	6/24/1999	10/30/2004	12/17/1999			FALSE	TRUE	TRUE					
35076	SR96412	55G	EMPLACED_CNTR	10/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	7/26/1977	6/6/2004	6/22/1999	6/6/2004	12/15/1999			FALSE	TRUE	TRUE					
35077	SR96413	55G	EMPLACED_CNTR	11/13/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/26/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
35078	SR96414	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/28/1977		6/16/1999		12/9/1999			FALSE	TRUE	TRUE					
35079	SR96415	55G	EMPLACED_CNTR	11/20/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	7/28/1977		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35080	SR96416	55G	EMPLACED_CNTR	3/15/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	V&P Vent	0	6/14/1977	6/14/1977	12/31/1999	10/16/2006	6/24/2000			FALSE	TRUE	TRUE					
35081	SR96417	55G	EMPLACED_CNTR	1/14/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1977		6/23/1999		12/14/1999			FALSE	TRUE	TRUE					
35082	SR96418	55G	EMPLACED_CNTR	5/19/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1977	1/17/2004	6/16/1999	1/17/2004	12/9/1999			FALSE	TRUE	TRUE					
35083	SR96419	55G	EMPLACED_CNTR	2/14/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1977		6/21/1999		12/14/1999			FALSE	TRUE	TRUE					
35084	SR96420	55G	EMPLACED_CNTR	3/25/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1977	11/7/2006	6/23/1999	11/7/2006	12/16/1999			FALSE	TRUE	TRUE					
35085	SR96421	55G	EMPLACED_CNTR	1/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1977	3/3/2003	6/22/1999	3/3/2003	12/15/1999			FALSE	TRUE	TRUE					
35086	SR96422	55G	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1977		6/15/1999		12/8/1999			FALSE	TRUE	TRUE					
35087	SR96423	55G	EMPLACED_CNTR	7/30/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300		0	6/28/1977		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35088	SR96424	55G	EMPLACED_CNTR	11/17/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	55300	Remediate	1	6/28/1977	5/10/2006	6/17/1999	5/10/2006	12/10/1999			FALSE	TRUE	TRUE					
35089	SR96425	55G	EMPLACED_CNTR	6/15/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE89-C	55300		0	6/28/1977		6/21/1999		12/14/1999			FALSE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35090	SR96426	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/28/1977	4/21/2006	6/17/1999	4/22/2006	12/10/1999			FALSE	TRUE	TRUE					
35091	SR96427	SSG	EMPLACED_CNTR	12/9/2002	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/28/1977		6/23/1999		12/16/1999			FALSE	TRUE	TRUE					
35092	SR96428	SSG	EMPLACED_CNTR	11/29/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/28/1977	7/28/1977	12/31/1999	9/25/2006	6/24/2000			FALSE	TRUE	TRUE					
35093	SR96430	SSG	EMPLACED_CNTR	11/13/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/16/1977	5/9/2006	6/12/1999	5/9/2006	12/15/1999			FALSE	TRUE	TRUE					
35094	SR96431	SSG	EMPLACED_CNTR	5/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/26/1977		6/23/1999		12/15/1999			FALSE	TRUE	TRUE					
35095	SR96432	SSG	EMPLACED_CNTR	2/2/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/7/1977	6/16/2006	11/4/1999	6/16/2006	4/28/2000			FALSE	TRUE	TRUE					
35096	SR96433	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/7/1977	3/29/2006	6/24/1999	3/29/2006	12/17/1999			FALSE	TRUE	TRUE					
35097	SR96434	SSG	EMPLACED_CNTR	4/16/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	6/7/1977	11/2/2003	6/28/1999	11/2/2003	12/21/1999			FALSE	TRUE	TRUE					
35098	SR96435	SSG	EMPLACED_CNTR	1/21/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/7/1977		6/24/1999		12/17/1999			FALSE	TRUE	TRUE					
35099	SR96436	SSG	EMPLACED_CNTR	3/6/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Vent	0	7/26/1977	7/26/1977	12/31/1999	9/18/2007	6/24/2000			FALSE	TRUE	TRUE					
35100	SR96437	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	7/26/1977		6/22/1999		12/15/1999			FALSE	TRUE	TRUE					
35101	SR96438	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/26/1977	10/13/2003	6/16/1999	10/13/2003	12/9/1999			FALSE	TRUE	TRUE					
35102	SR96439	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	8/5/1977	10/8/2003	6/16/1999	10/8/2003	12/9/1999			FALSE	TRUE	TRUE					
35103	SR96440	SSG	EMPLACED_CNTR	6/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	7/26/1977	12/3/2006	6/16/1999	12/3/2006	12/9/1999			FALSE	TRUE	TRUE					
35104	SR96441	SSG	EMPLACED_CNTR	10/18/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	4/19/1977	5/3/2007	12/31/1999	5/3/2007	6/24/2000			FALSE	TRUE	TRUE					
35105	SR96486	SSG	EMPLACED_CNTR	10/11/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	1/25/1977	3/31/2008	3/31/1999	3/31/2008	9/23/1999			TRUE	TRUE	TRUE					
35106	SR96486A	SSG	EMPLACED_CNTR	2/19/2009	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/31/2008	7/22/2008	3/31/2008	7/22/2008	9/23/2008			FALSE	TRUE	TRUE					
35107	SR96487	SSG	EMPLACED_CNTR	8/20/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/3/1977	4/16/2004	3/31/1999	4/16/2004	9/23/1999			FALSE	TRUE	TRUE					
35108	SR96488	SSG	EMPLACED_CNTR	6/30/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/8/1977		6/14/1999		12/7/1999			FALSE	TRUE	TRUE					
35109	SR96489	SSG	EMPLACED_CNTR	7/9/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/11/1977		12/31/1999		6/24/2000			FALSE	TRUE	TRUE					
35110	SR96490	SSG	EMPLACED_CNTR	8/6/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/11/1977		6/10/1999		12/3/1999			FALSE	TRUE	TRUE					
35111	SR96491	SSG	EMPLACED_CNTR	10/9/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	V&P Purge	0	2/11/1977	2/11/1977	12/31/1999	9/23/2003	6/24/2000			FALSE	TRUE	TRUE					
35112	SR96492	SSG	EMPLACED_CNTR	7/23/2003	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	2/11/1977		6/9/1999		12/2/1999			FALSE	TRUE	TRUE					
35113	SR96493	SSG	EMPLACED_CNTR	5/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/18/1977	11/28/2003	6/10/1999	11/28/2003	12/3/1999			FALSE	TRUE	TRUE					
35114	SR96494	SSG	EMPLACED_CNTR	3/11/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/18/1977	10/12/2003	6/9/1999	10/12/2003	12/2/1999			FALSE	TRUE	TRUE					
35115	SR96495	SSG	EMPLACED_CNTR	11/3/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/18/1977	10/13/2003	6/14/1999	10/13/2003	12/7/1999			FALSE	TRUE	TRUE					
35116	SR96496	SSG	EMPLACED_CNTR	9/12/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1977	5/10/2007	6/7/1999	5/10/2007	11/30/1999			FALSE	TRUE	TRUE					
35117	SR96497	SSG	EMPLACED_CNTR	10/20/2007	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1977	6/6/2007	12/31/1999	6/6/2007	6/24/2000			TRUE	TRUE	TRUE					
35118	SR96497A	SSG	EMPLACED_CNTR	3/14/2008	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300		0	6/6/2007		6/6/2007		11/29/2007			FALSE	TRUE	TRUE					
35119	SR96498	SSG	EMPLACED_CNTR	8/29/2006	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	2/24/1977	3/17/2006	6/1/1999	3/17/2006	11/24/1999			FALSE	TRUE	TRUE					
35120	SR96499	SSG	EMPLACED_CNTR	10/16/2005	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	3/3/1977	10/19/2003	6/2/1999	10/19/2003	11/25/1999			FALSE	TRUE	TRUE					
35121	SR96499A	SSG	EMPLACED_CNTR	8/7/2004	4/28/2011 6:00	WWIS_Updt	SR-W027-FB-PRE86-C	SS300	Remediate	1	10/19/2003	10/19/2003	10/19/2003	10/19/2003	4/12/2004			TRUE	TRUE	TRUE					
35127	WMAPSWB529	SWB	EMPLACED_CNTR	7/31/2012 12:55	4/27/2012 16:09	mccabed	SR-W027-FB-PRE86-C	SS300		0	4/23/2012		4/23/2012			Inner container is SR506199 per SW15.3-SOP-LCNCC-01.	- Rpkgd was SR506199	FALSE	TRUE	TRUE			SR506199		NA
35128	WMAPSWB552	SWB	APPROVED_CERT		10/17/2012 8:49	mccabed	SR-W027-FB-PRE86-C	SS300	None	1	10/8/2012	10/10/2012	10/8/2012	10/10/2012		Waste Generation Date: 12/16/1982; This container will be repacked prior to characterization. (High FGE - DO NOT STACK); 221-F-55078	- Rpkgd was SR518679 - Rpkgd into WMAPSWB552A	TRUE	TRUE	TRUE					
35124	WMAPSWB577	SWB	APPROVED_CERT		4/24/2013 8:12	mccabed	SR-W027-FB-PRE86-C	SS300			1/15/2013	4/18/2013	1/15/2013	4/18/2013		NOP 221-H-8827	- Rpkgd was SR123587 / Repacked was SR123587C / Repacked was SR170417 - Rpkgd into WMAPSWB577A - Rpkgd into WMAPSWB577B - Rpkgd into WMAPSWB577C - Rpkgd into WMAPSWB577D	FALSE	FALSE	FALSE					
35125	WMPSWB357B	SWB	APPROVED_CERT		2/26/2013 15:54	mccabed	SR-W027-FB-PRE86-C	SS300		0	1/9/2013		1/9/2013			Changed WS from SR-W026-221F-HEPA per LWatson 022613.	- Rpkgd was WMAPSWB357	TRUE	TRUE	TRUE			WMAPSWB357		Daughter
35126	WMPSWB357C	SWB			2/26/2013 15:55	mccabed	SR-W027-FB-PRE86-C	SS300		0	1/9/2013		1/9/2013			Changed WS from SR-W026-221F-HEPA per LWatson 022613.	- Rpkgd was WMAPSWB357	TRUE	TRUE	TRUE			WMAPSWB357		Daughter
35127	WMPSWB550A	SWB	APPROVED_CERT		12/20/2012 14:24	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012			WMP instead of "WMAP" due to 10-character limit.	- Rpkgd was SR159989 - Rpkgd was WMAPSWB550	TRUE	TRUE	TRUE			WMAPSWB550	SR159989	NA
35128	WMPSWB550B	SWB	APPROVED_CERT		12/20/2012 14:25	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012			WMP instead of "WMAP" due to 10-character limit.	- Rpkgd was SR159989 - Rpkgd was WMAPSWB550	TRUE	TRUE	TRUE			WMAPSWB550		Daughter
35129	WMPSWB550D	SSG	APPROVED_CERT		12/20/2012 14:25	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012			WMP instead of "WMAP" due to 10-character limit.	- Rpkgd was SR159989 - Rpkgd was WMAPSWB550	TRUE	TRUE	TRUE			WMAPSWB550		Daughter
35130	WMPSWB550E	SSG	APPROVED_CERT		12/20/2012 14:26	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012			WMP instead of "WMAP" due to 10-character limit.	- Rpkgd was SR159989 - Rpkgd was WMAPSWB550	TRUE	TRUE	TRUE			WMAPSWB550		Daughter
35131	WMPSWB550F	SSG	APPROVED_CERT		12/20/2012 14:26	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012			WMP instead of "WMAP" due to 10-character limit.	- Rpkgd was SR159989 - Rpkgd was WMAPSWB550	TRUE	TRUE	TRUE			WMAPSWB550		Daughter
35132	WMPSWB550G	SSG	APPROVED_CERT		12/20/2012 14:26	mccabed	SR-W027-FB-PRE86-C	SS300	None	0	12/20/2012		12/20/2012				- Rpkgd was SR518679 - Rpkgd was WMAPSWB552	TRUE	TRUE	TRUE			WMAPSWB552		Daughter
35133	WMPSWB552A	SSG	APPROVED_CERT		10/17/2012 8:53	mccabed	SR-W027-FB-PRE86-C	SS300	None	1	10/10/2012		10/10/2012				- Rpkgd was SR123587 / Repacked was SR123587C / Repacked was SR170417 - Rpkgd was WMAPSWB577	FALSE	FALSE	FALSE			WMAPSWB577		Daughter
35134	WMPSWB577A	SSG	APPROVED_CERT		4/24/2013 8:11	mccabed	SR-W027-FB-PRE86-C	SS300			4/17/2013		4/17/2013				- Rpkgd was SR123587 / Repacked was SR123587C / Repacked was SR170417 - Rpkgd was WMAPSWB577	FALSE	FALSE	FALSE			WMAPSWB577		Daughter
35135	WMPSWB577B	SSG	APPROVED_CERT		4/24/2013 8:11	mccabed	SR-W027-FB-PRE86-C	SS300			4/17/2013		4/17/2013				- Rpkgd was SR123587 / Repacked was SR123587C / Repacked was SR170417 - Rpkgd was WMAPSWB577	FALSE	FALSE	FALSE			WMAPSWB577		Daughter
35136	WMPSWB577C	SSG	APPROVED_CERT		4/24/2013 8:12	mccabed	SR-W027-FB-PRE86-C	SS300			4/18/2013		4/18/2013				- Rpkgd was SR123587 / Repacked was SR123587C / Repacked was SR170417 - Rpkgd was WMAPSWB577	FALSE	FALSE	FALSE			WMAPSWB577		Daughter
35137	WMPSWB577D	SSG	APPROVED_CERT		4/24/2013 8:12	mccabed	SR-W027-FB-PRE86-C	SS300			4/18/2013		4/18/2013					TRUE	FALSE	TRUE					
35138	HBL030131	SWB	EMPLACED_CNTR	10/24/2012 9:43	6/28/2011 18:27	mccabed	SR-W027-HBL-BOX	SS400			5/20/2003		5/20/2003					TRUE	TRUE	TRUE					
35139	HBL060042	SWB	EMPLACED_CNTR	3/19/2011 11:07	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		D	1/12/2006		1/12/2006		7/7/2006	WWIS_Status:APPROVED_CERT		TRUE	FALSE	TRUE	NA				
35140	HBL060095	SWB	EMPLACED_CNTR	9/16/2011 14:14	6/22/2011 16:51	mccabed	SR-W027-HBL-BOX	SS400			9/12/2006		9/12/2006					TRUE	FALSE	TRUE	NA				
35141	HBL070008	SWB	EMPLACED_CNTR	3/2/2012 13:19	6/22/2011 16:52	mccabed	SR-W027-HBL-BOX	SS400			10/5/2006		10/5/2006					TRUE	TRUE	TRUE					
35142	HBL070012	SWB	EMPLACED_CNTR	3/9/2011 22:47	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/13/2006		12/13/2006		6/7/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35143	HBL070038	SWB	EMPLACED_CNTR	3/12/2011 10:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/14/2006		12/14/2006		6/8/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35144	HBL070086	SWB	EMPLACED_CNTR	3/17/2011 18:52	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	3/19/2007		3/19/2007		9/11/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35145	HBL070087	SWB	EMPLACED_CNTR	3/10/2011 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	3/19/2007		3/19/2007		9/11/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35146	HBL070117	SWB	EMPLACED_CNTR	3/19/2011 11:01	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	4/25/2007		4/25/2007		10/18/2007	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35147	HBL100092	SWB			7/18/2012 8:59	mccabed	SR-W027-HBL-BOX	SS400			9/2/2010		9/2/2010			Excluded as LLW per BSchrock email 062912; Added back per BSchrock email 071712.		TRUE	FALSE	TRUE					
35148	HBL110050	SWB	EMPLACED_CNTR	7/10/2012 10:05	5/6/2012 10:19	mccabed	SR-W027-HBL-BOX	SS400			9/16/2011		9/16/2011					TRUE	FALSE	TRUE					
35149	HBL110051	SWB	EMPLACED_CNTR	7/10/2012 10:06	5/6/2012 10:19	mccabed	SR-W027-HBL-BOX	SS400			6/22/2011		6/22/2011					TRUE	FALSE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35150	HCO20012	SWB	EMPLACED_CNTR	11/3/2012 12:43	2/7/2012 15:53	mccabed	SR-W027-HBL-BOX	S5400		0	3/7/2002	2/3/2012	3/7/2008	2/3/2012		Cell 11 Tru repacking operation SW15.3-SOP-CEL11-03.	- Rpkgd into HCO20012A	TRUE	TRUE	TRUE					
35151	HCO20012A	SSG	EMPLACED_CNTR	12/7/2012 13:31	2/7/2012 15:53	mccabed	SR-W027-HBL-BOX	S5400		0	2/3/2012		2/3/2012			Cell 11 Tru repacking operation SW15.3-SOP-CEL11-03.	- Rpkgd was HCO20012	TRUE	TRUE	TRUE			HCO20012		Daughter
35152	HCO20013	SWB	EMPLACED_CNTR	12/12/2012 10:09	7/31/2012 15:28	mccabed	SR-W027-HBL-BOX	S5400			5/13/2002	7/23/2012	5/22/2012	7/23/2012		221-F-55078 TRU Waste Container Remediation (container >4L); 221-F-55078 221-F-55006 Tru Drum Repackaging	- Rpkgd into HCO20013A - Rpkgd was HCO20013	TRUE	FALSE	TRUE	NA				
35153	HCO20013A	SSG	EMPLACED_CNTR	1/16/2013 15:01	8/3/2012 13:53	mccabed	SR-W027-HBL-BOX	S5400			7/23/2012	7/26/2012	7/23/2012	7/26/2012				TRUE	TRUE	TRUE	NA		HCO20013		Daughter
35154	SR21524401	SWB	EMPLACED_CNTR	3/14/2011 19:47	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35155	SR21524402	SWB	EMPLACED_CNTR	3/14/2011 19:46	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35156	SR21524403	SWB	EMPLACED_CNTR	6/13/2012 14:44	12/20/2013 15:56	mccabed	SR-W027-HBL-BOX	S5400		0	8/19/2010	12/13/2011	8/19/2010	12/13/2011				TRUE	TRUE	TRUE					
35157	SR21524404	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011			TRUE	TRUE	TRUE					
35158	SR21524405	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011			TRUE	TRUE	TRUE					
35159	SR21524406	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011			TRUE	TRUE	TRUE					
35160	SR21524407	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35161	SR21524408	SWB	EMPLACED_CNTR	3/14/2011 23:33	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010		2/11/2011			TRUE	TRUE	TRUE					
35162	SR21524409	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/19/2010		8/19/2010			Filter Reduction Date: 2/3/2012; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE					
35163	SR21524410	SLB2	EMPLACED_CNTR	2/20/2012 10:18	2/15/2012 16:58	mccabed	SR-W027-HBL-BOX	S5400		0	8/23/2010		8/23/2010	2/3/2012											
35164	SR21524411	SLB2	EMPLACED_CNTR	4/20/2013 14:56	10/8/2012 14:58	mccabed	SR-W027-HBL-BOX	S5400		0	8/23/2010		8/23/2010	5/23/2012		Filter reconfiguration date: 5/23/12; Reduced filter model NFT-013. Permit-Only VentDate1: 9/28/2012. Filter reconfiguration date: 1/31/2013; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
35165	SR21524413	SLB2			2/12/2013 10:05	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	1/31/2013		Filter reconfiguration date: 1/31/2013; Reduced filter model: NFT-013	- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35166	SR21524414	SLB2			2/12/2013 10:05	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	1/31/2013			- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35167	SR21524415	SWB	EMPLACED_CNTR	4/20/2013 15:02	10/11/2012 17:20	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	10/8/2012			- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35168	SR21524416	SWB	APPROVED_CERT		10/11/2012 17:20	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	10/8/2012			- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35169	SR21524417	SWB	APPROVED_CERT		10/11/2012 17:20	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	10/8/2017			- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35170	SR21524418	SWB	APPROVED_CERT		10/11/2012 17:21	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	10/8/2012											
35171	SR21524419	SWB	APPROVED_CERT		12/17/2012 16:06	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012	12/13/2012	10/8/2012	12/13/2012		Prohibited item removed per DLambert email 121712.	- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35172	SR21524421	SWB	APPROVED_CERT		10/11/2012 17:22	mccabed	SR-W027-HBL-BOX	S5400		0	10/8/2012		10/8/2012	10/8/2012			- Rpkgd was SR21524412	TRUE	TRUE	TRUE			SR21524412		Daughter
35173	SR307245	SLB2	EMPLACED_CNTR	7/11/2013 10:42	7/16/2012 9:40	mccabed	SR-W027-HBL-BOX	S5400			7/19/2011		7/19/2011	7/19/2011		825OP and box lid placed into SLB2. Updated per JBiedscheid 071312.	- Rpkgd was SR307250	TRUE	FALSE	TRUE			SR307250		Repack
35174	SR30715001	SSG	EMPLACED_CNTR	5/11/2012 14:42	8/23/2011 16:31	mccabed	SR-W027-HBL-BOX	S5400			8/1/2011		8/1/2011				- Rpkgd was SR315367	TRUE	TRUE	TRUE			SR315367		Repack
35175	SR315367A	SSG	EMPLACED_CNTR	10/2/2011 14:57	7/20/2011 13:55	mccabed	SR-W027-HBL-BOX	S5400		0	2/15/1990	7/18/2011		7/18/2011			- Rpkgd was SR315368	TRUE	TRUE	TRUE			SR315368		Repack
35176	SR315368A	SWB	EMPLACED_CNTR	11/9/2011 23:00	8/1/2011 18:27	mccabed	SR-W027-HBL-BOX	S5400		0	7/20/2011		7/20/2011				- Rpkgd was SR315368	TRUE	TRUE	TRUE			SR315368		Repack
35177	SR315368B	SSG	EMPLACED_CNTR	1/11/2012 9:40	9/14/2011 13:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/20/2011	9/7/2011	7/20/2011	9/7/2011			- Rpkgd was SR315368	TRUE	TRUE	TRUE			SR315368		Repack
35178	SR315368C	SSG	EMPLACED_CNTR	12/4/2011 13:12	9/14/2011 13:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/20/2011	9/7/2011	7/20/2011	9/7/2011			- Rpkgd was SR315368	TRUE	TRUE	TRUE			SR315368		Repack
35179	SR315368D	SSG	EMPLACED_CNTR	11/16/2011 11:02	9/29/2011 10:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/20/2011	9/21/2011	7/20/2011	9/21/2011			- Rpkgd was SR315374	TRUE	TRUE	TRUE			SR315374		Repack
35180	SR31537401	SWB	EMPLACED_CNTR	11/4/2012 9:56	8/23/2011 16:33	mccabed	SR-W027-HBL-BOX	S5400		0	8/4/2011		8/4/2011				- Rpkgd was SR315374	TRUE	TRUE	TRUE			SR315374		Repack
35181	SR31537402	SSG	EMPLACED_CNTR	2/26/2012 13:30	8/23/2011 16:33	mccabed	SR-W027-HBL-BOX	S5400		0	8/4/2011		8/4/2011				- Rpkgd was SR315374	TRUE	TRUE	TRUE			SR315374		Repack
35182	SR31537403	SSG	EMPLACED_CNTR	1/26/2012 13:30	8/23/2011 16:33	mccabed	SR-W027-HBL-BOX	S5400		0	8/4/2011		8/4/2011				- Rpkgd was SR315374	TRUE	TRUE	TRUE			SR315374		Repack
35183	SR31537404	SSG	EMPLACED_CNTR	2/26/2012 13:30	11/1/2011 13:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/4/2011	10/26/2011	8/4/2011	10/26/2011			- Rpkgd was SR315374	TRUE	TRUE	TRUE			SR315374		Repack
35184	SR31537405	SSG	EMPLACED_CNTR	2/26/2012 13:31	11/1/2011 13:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/4/2011	10/27/2011	8/4/2011	10/27/2011			- Rpkgd was SR323692	TRUE	FALSE	TRUE			SR323692		Repack
35185	SR32369202	SSG	EMPLACED_CNTR	9/21/2012 13:21	11/17/2011 16:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/3/2011	11/15/2011	8/3/2011	11/15/2011			- Rpkgd was SR323693	TRUE	FALSE	TRUE			SR323693		Repack
35186	SR32369203	SSG	EMPLACED_CNTR	9/21/2012 13:21	2/1/2012 17:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/3/2011	1/26/2012	8/3/2011	1/26/2012			- Rpkgd was SR323692	TRUE	FALSE	TRUE			SR323692		Repack
35187	SR32369204	SSG	EMPLACED_CNTR	9/21/2012 13:21	2/1/2012 17:21	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/3/2011	1/26/2012	8/3/2011	1/26/2012			- Rpkgd was SR323692 - Rpkgd into SR32369207	TRUE	FALSE	TRUE					
35188	SR32369206	SSG	EMPLACED_CNTR	9/21/2012 13:21	2/1/2012 17:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/3/2011	1/26/2012	8/3/2011	1/26/2012			- Rpkgd was SR323693	TRUE	FALSE	TRUE			SR323693		Repack
35189	SR32369302	SSG	EMPLACED_CNTR	2/26/2012 13:31	8/23/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400			8/8/2011		8/8/2011				- Rpkgd was SR323693	TRUE	FALSE	TRUE			SR323693		Repack
35190	SR32369303	SSG	EMPLACED_CNTR	3/22/2012 14:59	11/8/2011 16:45	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2011	11/1/2011	8/8/2011	11/1/2011			- Rpkgd was SR323693	TRUE	FALSE	TRUE			SR323693		Repack
35191	SR32369304	SSG	EMPLACED_CNTR	3/22/2012 14:59	11/10/2011 11:50	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2011	11/4/2011	8/8/2011	11/4/2011			- Rpkgd was SR323693	TRUE	FALSE	TRUE			SR323693		Repack
35192	SR32369305	SSG	EMPLACED_CNTR	4/26/2013 14:53	2/1/2012 17:24	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2011	1/26/2012	8/8/2011	1/26/2012											
35193	SR500316	SLB2	APPROVED_CERT		10/15/2012 14:45	mccabed	SR-W027-HBL-BOX	S5400		0	8/21/2012		8/21/2012	10/9/2012		Concrete Culvert Removal and Loading SW15.3-SOP-CUL-01; 221-F-55078; Parent generation date: 4/18/2012; Filter reconfiguration date: 10/9/2012; Reduced filter model: NFT-013	- Rpkgd was SR5020750	TRUE	FALSE	TRUE	NA		SR5020750	SR502075	Repack
35194	SR50207501	SWB	EMPLACED_CNTR	4/20/2013 10:14	9/7/2011 11:24	mccabed	SR-W027-HBL-BOX	S5400			4/4/2011		4/4/2011												
35195	SR502577	SLB2	APPROVED_CERT		9/12/2012 16:07	mccabed	SR-W027-HBL-BOX	S5400		0	6/11/2012		6/11/2013	9/5/2012		SLB2 Loading Data Sheet for SW15.3-SOP-CUL-01; 221-F-55078; Parent generation date: 3/30/2012; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013	- Rpkgd into SR502577A - Rpkgd into SR502577B - Rpkgd into SR502577C - Rpkgd into SR502577D	TRUE	TRUE	TRUE			SR502577		Daughter
35196	SR502577A	SSG	EMPLACED_CNTR	8/8/2012 14:42	6/22/2012 8:56	mccabed	SR-W027-HBL-BOX	S5400		0	6/11/2012	6/18/2012	6/11/2012	6/18/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR502577	TRUE	TRUE	TRUE			SR502577		Daughter
35197	SR502577B	SSG	EMPLACED_CNTR	10/25/2012 15:30	6/22/2012 8:57	mccabed	SR-W027-HBL-BOX	S5400		0	6/11/2012	6/18/2012	6/11/2012	6/18/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR502577	TRUE	TRUE	TRUE			SR502577		Daughter
35198	SR502577C	SSG	EMPLACED_CNTR	8/9/2012 13:35	6/22/2012 8:58	mccabed	SR-W027-HBL-BOX	S5400		0	6/11/2012	6/19/2012	6/11/2012	6/19/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR502577	TRUE	TRUE	TRUE			SR502577		Daughter
35199	SR502577D	SSG	EMPLACED_CNTR	8/9/2012 13:35	6/22/2012 8:58	mccabed	SR-W027-HBL-BOX	S5400		0	6/11/2012	6/19/2012	6/11/2012	6/19/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR502577	TRUE	TRUE	TRUE			SR502577		Daughter
35200	SR503511	SLB2	EMPLACED_CNTR	8/2/2013 15:14	10/4/2012 9:15	mccabed	SR-W027-HBL-BOX	S5400		0	3/5/2012		3/5/2012	9/26/2012		Concrete Culvert container removal and loading; Waste Generation Date: 12/10/1976; Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE					
35201	SR507388	Poly Box			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	8/14/1978							TRUE	TRUE	TRUE					
35202	SR509806	Poly Box			4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	5/24/1979							TRUE	TRUE	TRUE					
35203	SR509850A	SSG	EMPLACED_CNTR	11/15/2012 12:50	8/8/2012 8:31	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	7/31/2012	7/24/2012	7/31/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35204	SR509850B	SSG	EMPLACED_CNTR	12/6/2012 13:41	8/8/2012 8:32	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	7/31/2012	7/24/2012	7/31/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35205	SR509850C	SSG	EMPLACED_CNTR	4/4/2013 15:25	7/31/2012 15:56	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012		7/24/2012				- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35206	SR509850D	SSG	EMPLACED_CNTR	12/7/2012 9:28	7/31/2012 15:57	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012		7/24/2012				- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35207	SR509850E	SSG	EMPLACED_CNTR	4/26/2013 14:53	8/9/2012 6:02	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/1/2012	7/24/2012	8/1/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35208	SR509850F	SSG	EMPLACED_CNTR	4/4/2013 15:25	8/9/2012 6:02	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/1/2012	7/24/2012	8/1/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35209	SR509850G	SSG	APPROVED_CERT		8/9/2012 6:03	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/2/2012	7/24/2012	8/2/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35210	SR509850H	SSG	APPROVED_CERT		8/9/2012 6:04	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/2/2012	7/24/2012	8/2/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35211	SR509850I	SSG	EMPLACED_CNTR	1/16/2013 15:01	8/12/2012 21:38	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/6/2012	7/24/2012	8/6/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35212	SR509850J	SSG	EMPLACED_CNTR	12/7/2012 9:29	8/12/2012 21:39	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/15/2012	7/24/2012	8/15/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35213	SR509850K	SSG	EMPLACED_CNTR	12/7/2012 9:29	8/22/2012 12:27	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012	8/14/2012	7/24/2012	8/14/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35214	SR509850L	SSG	EMPLACED_CNTR	12/6/2012 13:41	8/22/2012 12:27	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012		7/24/2012				- Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Daughter
35215	SR509850M	SSG	APPROVED_CERT		7/31/2012 16:01	mccabed	SR-W027-HBL-BOX	S5400		0	7/24/2012		7/24/2012			Filter reconfiguration date: 10/9/2012; Reduced filter model: NFT-013	Rpkgd was SR509850	TRUE	TRUE	TRUE			SR509850		Repack
35216	SR509850N	SLB2	APPROVED_CERT		10/15/2012 15:54	mccabed	SR-W027-HBL-BOX	S5400		0	7/26/2012		7/26/2012	10/9/2012											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35217	SR513326A	SLB2	EMPLACED_CNTR	8/30/2013 10:25	10/4/2012 9:17	mccabed	SR-W027-HBL-BOX	S5400		0	7/20/2012		7/20/2012	9/26/2012		Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013.	- Rpkgd was SR513326	TRUE	TRUE	TRUE			SR513326		Repack
35218	SR540643O1	SWB	APPROVED_CERT		9/6/2012 8:49	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35219	SR540643O2	SWB	APPROVED_CERT		9/6/2012 8:49	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35220	SR540643O3	SWB	EMPLACED_CNTR	4/19/2013 14:54	9/6/2012 8:49	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35221	SR540643O4	SWB	EMPLACED_CNTR	4/30/2013 10:14	9/6/2012 8:50	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35222	SR540643O5	SWB	EMPLACED_CNTR	1/8/2013 13:52	9/6/2012 8:50	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35223	SR540643O6	SWB	EMPLACED_CNTR	4/30/2013 15:02	9/6/2012 8:51	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35224	SR540643O7	SWB	EMPLACED_CNTR	12/12/2012 10:09	9/6/2012 8:51	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012		8/24/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35225	SR540643O9	SWB	EMPLACED_CNTR	4/21/2013 14:27	10/3/2012 13:37	mccabed	SR-W027-HBL-BOX	S5400			8/24/2012	9/27/2012	8/24/2012	9/27/2012		Per NOP 221-H-8823 Rev. 1; 221-F-55078 Tru Waste Container Remediation.	- Rpkgd was SR540643 - Rpkgd into SR540643I5	TRUE	FALSE	TRUE					
35226	SR540643I0	SWB	EMPLACED_CNTR	1/8/2013 13:51	9/6/2012 8:54	mccabed	SR-W027-HBL-BOX	S5400			8/25/2012		8/25/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35227	SR540643I1	SWB	APPROVED_SHIP		9/6/2012 8:55	mccabed	SR-W027-HBL-BOX	S5400			8/25/2012		8/25/2012			Per NOP 221-H-8823 Rev. 1	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35228	SR540643I2	SLB2	EMPLACED_CNTR	4/25/2013 15:31	1/7/2013 10:56	mccabed	SR-W027-HBL-BOX	S5400			8/25/2012		8/25/2012	10/17/2012		Per NOP 221-H-8823 Rev. 1; Filter Reduction Date: 10/17/2012; Reduced Filter Model: NFT-013; Permit Only Vewdate) 11/7/2012.	- Rpkgd was SR540643	TRUE	FALSE	TRUE			SR540643		Daughter
35229	SR540643I4	SWB	APPROVED_CERT		1/30/2013 14:27	mccabed	SR-W027-HBL-BOX	S5400			1/18/2013		1/18/2013				#NAME?	TRUE	FALSE	TRUE			SR540643		Daughter
35230	SR543005O1	SWB	EMPLACED_CNTR	12/2/2012 9:18	8/14/2012 16:23	mccabed	SR-W027-HBL-BOX	S5400			8/6/2012		8/6/2012				- Rpkgd was SR543005	TRUE	FALSE	TRUE			SR543005		
35231	SR543005O2	SWB	APPROVED_CERT		9/26/2012 15:28	mccabed	SR-W027-HBL-BOX	S5400			8/6/2012	9/21/2012	8/6/2012	9/21/2012		221-F-55079	- Rpkgd was SR543005 - Rpkgd into SR543005O5	TRUE	FALSE	TRUE					
35232	SR543005O4	SWB	APPROVED_CERT		8/14/2012 16:26	mccabed	SR-W027-HBL-BOX	S5400			8/6/2012		8/6/2012				- Rpkgd was SR543005	TRUE	FALSE	TRUE			SR543005		Daughter
35233	SR543005O5	SSG	APPROVED_CERT		9/26/2012 15:28	mccabed	SR-W027-HBL-BOX	S5400			9/21/2012		9/21/2012				- Rpkgd was SR543005 - Rpkgd was SR543005O2	TRUE	FALSE	TRUE			SR543005O2	SR543005	Daughter
35234	SR543005O6	SLB2	EMPLACED_CNTR	4/16/2013 14:39	10/26/2012 12:52	mccabed	SR-W027-HBL-BOX	S5400			8/4/2012		8/4/2012	10/17/2012		Filter Reduction Date: 10/17/2012; Reduced Filter Model: NFT-013	- Rpkgd was SR543005	TRUE	FALSE	TRUE			SR543005		Daughter
35235	SR543005O7	SLB2	EMPLACED_CNTR	3/30/2013 15:49	10/15/2012 16:02	mccabed	SR-W027-HBL-BOX	S5400			8/4/2012		8/4/2012	10/10/2012		Filter reconfiguration date: 10/10/2012; Reduced filter model: NFT-013	- Rpkgd was SR543005	TRUE	FALSE	TRUE			SR543005		Daughter
35236	SR543006O2	SLB2	EMPLACED_CNTR	4/9/2013 14:45	10/15/2012 16:04	mccabed	SR-W027-HBL-BOX	S5400			8/31/2012		8/31/2012	10/10/2012		Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823; 221-F-55078 Tru Waste Container Remediation; Parent generation date: 8/13/2012; Filter reconfiguration date: 10/10/2012; Reduced filter model: NFT-013	- Rpkgd was SR543006 - Rpkgd into SR543006I0	TRUE	FALSE	TRUE					
35237	SR543006O3	SWB	APPROVED_CERT		8/21/2012 16:09	mccabed	SR-W027-HBL-BOX	S5400			8/15/2012		8/15/2012			Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823.	- Rpkgd was SR543006	TRUE	FALSE	TRUE			SR543006		Daughter
35238	SR543006O4	SWB	APPROVED_CERT		8/21/2012 16:08	mccabed	SR-W027-HBL-BOX	S5400			8/15/2012		8/15/2012			Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823.	- Rpkgd was SR543006	TRUE	FALSE	TRUE			SR543006		Daughter
35239	SR543006O5	SWB	EMPLACED_CNTR	4/17/2013 15:24	8/21/2012 16:10	mccabed	SR-W027-HBL-BOX	S5400			8/15/2012		8/15/2012			Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823.	- Rpkgd was SR543006	TRUE	FALSE	TRUE			SR543006		Daughter
35240	SR543006O6	SWB	EMPLACED_CNTR	5/1/2013 15:16	8/21/2012 16:10	mccabed	SR-W027-HBL-BOX	S5400			8/15/2012		8/15/2012			Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823.	- Rpkgd was SR543006	TRUE	FALSE	TRUE			SR543006		Daughter
35241	SR543006O7	SWB	EMPLACED_CNTR	12/12/2012 10:16	8/21/2012 16:10	mccabed	SR-W027-HBL-BOX	S5400			8/15/2012		8/15/2012			Daughter created via the implementation of the repackaging procedure, NOP 221-H-8823.	- Rpkgd was SR543006	TRUE	FALSE	TRUE			SR543006		Daughter
35242	SR543006I0	SSG			9/10/2012 14:11	mccabed	SR-W027-HBL-BOX	S5400			8/31/2012		8/31/2012				- Rpkgd was SR543006 - Rpkgd was SR543006O2	TRUE	FALSE	TRUE			SR543006O2	SR543006	Daughter
35243	SR543006I1	SLB2	EMPLACED_CNTR	4/16/2013 14:39	11/13/2012 17:32	mccabed	SR-W027-HBL-BOX	S5400			9/6/2012		9/6/2012	11/7/2012		Filter reconfiguration date: 11/7/2012; Reduced filter model: NFT-013.	- Rpkgd was SR543006 - Rpkgd was SR543006O1	TRUE	FALSE	TRUE			SR543006O1	SR543006	Daughter
35244	SR543006I2	SSG			9/12/2012 15:25	mccabed	SR-W027-HBL-BOX	S5400			9/6/2012		9/6/2012				- Rpkgd was SR543006 - Rpkgd was SR543006O8	TRUE	FALSE	TRUE			SR543006O8	SR543006	Daughter
35245	SR543007O1	SLB2	EMPLACED_CNTR	4/25/2013 15:31	3/8/2013 10:12	mccabed	SR-W027-HBL-BOX	S5400			9/25/2012	9/25/2012	9/25/2012	9/25/2012		221-F-55078 Tru Waste Container Remediation; Filter reconfiguration date: 10/31/2012; Reduced filter model: NFT-013; Parent generation date 7/24/2012.	- Rpkgd was SR543007 - Rpkgd into SR543007I7	TRUE	FALSE	TRUE					
35246	SR543007O2	SLB2	EMPLACED_CNTR	4/25/2013 15:31	1/7/2013 11:00	mccabed	SR-W027-HBL-BOX	S5400			7/24/2012		7/24/2012	10/8/2012		Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013; Permit Only Vewdate) 10/25/2012	- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35247	SR543007O3	SLB2	EMPLACED_CNTR	4/30/2013 14:56	11/13/2012 17:37	mccabed	SR-W027-HBL-BOX	S5400			9/12/2012		9/12/2012	11/7/2012		221-F-55078; Filter reconfiguration date: 11/7/2012; Reduced filter model: NFT-013; Parent generation date 7/26/2012.	- Rpkgd was SR543007 - Rpkgd into SR543007I1 - Rpkgd into SR543007I2 - Rpkgd into SR543007I3 - Rpkgd into SR543007I4	TRUE	FALSE	TRUE					
35248	SR543007O4	SWB	EMPLACED_CNTR	1/8/2013 10:32	8/14/2012 17:15	mccabed	SR-W027-HBL-BOX	S5400			7/24/2012		7/24/2012				- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35249	SR543007O5	SWB			9/12/2012 15:27	mccabed	SR-W027-HBL-BOX	S5400			7/24/2012	9/7/2012	7/24/2012	9/7/2012		221-F-55078 Tru Waste Container Remediation.	- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35250	SR543007O6	SWB	EMPLACED_CNTR	12/19/2012 14:20	8/14/2012 17:16	mccabed	SR-W027-HBL-BOX	S5400			7/24/2012		7/24/2012				- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35251	SR543007O7	SWB	EMPLACED_CNTR	4/17/2013 15:24	8/14/2012 17:16	mccabed	SR-W027-HBL-BOX	S5400			7/26/2012		7/26/2012				- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35252	SR543007O8	SWB	EMPLACED_CNTR	4/26/2013 14:53	8/14/2012 17:18	mccabed	SR-W027-HBL-BOX	S5400			7/26/2012		7/26/2012				- Rpkgd was SR543007	TRUE	FALSE	TRUE			SR543007		Daughter
35253	SR543007I0	SWB	APPROVED_CERT		8/14/2012 17:19	mccabed	SR-W027-HBL-BOX	S5400			7/26/2012		7/26/2012												
35254	SR543007I3	SSG	EMPLACED_CNTR	12/19/2012 12:49	9/25/2012 10:08	mccabed	SR-W027-HBL-BOX	S5400			9/12/2012	9/19/2012	9/12/2012	9/19/2012		221-F-55006	- Rpkgd was SR543007 - Rpkgd was SR543007O3 - Rpkgd into SR543007I5 - Rpkgd into SR543007I6	TRUE	FALSE	TRUE					
35255	SR543007I5	SSG	EMPLACED_CNTR	12/15/2012 10:55	9/25/2012 10:07	mccabed	SR-W027-HBL-BOX	S5400			9/19/2012		9/19/2012				- Rpkgd was SR543007 - Rpkgd was SR543007I3	TRUE	FALSE	TRUE			SR543007I3	SR543007O3	Daughter
35256	SR543007I6	SSG	APPROVED_CERT		9/25/2012 10:08	mccabed	SR-W027-HBL-BOX	S5400			9/19/2012		9/19/2012				- Rpkgd was SR543007 - Rpkgd was SR543007O3 - Rpkgd was SR543007I5	TRUE	FALSE	TRUE			SR543007I5		Daughter
35257	SR543007I7	SWB			5/21/2013 8:17	mccabed	SR-W027-HBL-BOX	S5400			9/25/2012		9/25/2012			Added per LWatson 030813.	- Rpkgd was SR543007 - Rpkgd was SR543007O1	TRUE	FALSE	TRUE			SR543007I1	SR543007	Daughter
35258	SR543007I8	SSG	APPROVED_CERT		9/27/2012 8:34	mccabed	SR-W027-HBL-BOX	S5400			9/24/2012		9/24/2012				- Rpkgd was SR543007 - Rpkgd was SR543007I4	TRUE	FALSE	TRUE			SR543007I4	SR543007O3	Daughter
35259	SR543007I9	SSG	APPROVED_CERT		9/27/2012 8:34	mccabed	SR-W027-HBL-BOX	S5400			9/24/2012		9/24/2012				- Rpkgd was SR543007 - Rpkgd was SR543007O3 - Rpkgd was SR543007I4	TRUE	FALSE	TRUE			SR543007I4		Daughter
35260	SR543007I1	SSG	APPROVED_CERT		9/27/2012 8:30	mccabed	SR-W027-HBL-BOX	S5400			9/21/2012		9/21/2012				- Rpkgd was SR543007 - Rpkgd was SR543007O3 - Rpkgd was SR543007I1	TRUE	FALSE	TRUE			SR543007I1		Daughter
35261	SR57052901	SWB	EMPLACED_CNTR	5/25/2011 22:25	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010			TRUE	TRUE	TRUE					
35262	SR57052902	SWB	EMPLACED_CNTR	3/1/2012 12:48	11/9/2011 17:50	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/3/2010	11/2/2011	6/3/2010	11/2/2011			- Rpkgd into SR57052916 - Rpkgd into SR57052917 - Rpkgd into SR57052918 - Rpkgd into SR57052919 - Rpkgd into SR57052920 - Rpkgd into SR57052921 - Rpkgd into SR57052922 - Rpkgd into SR57052923 - Rpkgd into SR57052924	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
																		TRUE	TRUE	TRUE					
35263	SRS7052904	SWB	EMPLACED_CNTR	5/11/2011 19:38	4/28/2011 6:00	sdcwebuser	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010										
35264	SRS7052905	SWB	EMPLACED_CNTR	7/21/2012 12:10	5/6/2013 13:02	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/3/2010	4/27/2012	6/3/2010	4/27/2012			- Rpkgd into SRS7052925 - Rpkgd into SRS7052926 - Rpkgd into SRS7052927 - Rpkgd into SRS7052913 - Rpkgd into SRS7052914 - Rpkgd into SRS7052915	TRUE	TRUE	TRUE					
35265	SRS7052907	SWB	EMPLACED_CNTR	10/24/2012 11:10	6/11/2012 15:42	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/3/2010	6/5/2012	12/14/2011	6/5/2012		221-F-55078 Tru Waste Container Remediation	Rpkgd into SRS7052928	TRUE	TRUE	TRUE					
35266	SRS7052908	SWB	EMPLACED_CNTR	5/19/2011 19:24	4/28/2011 6:00	sdcwebuser	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010			TRUE	TRUE	TRUE					
35267	SRS7052909	SWB	EMPLACED_CNTR	3/10/2011 18:48	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010	WWIS_Status APPROVED_CERT		TRUE	TRUE	TRUE					
35268	SRS7052910	SWB	EMPLACED_CNTR	3/10/2011 22:35	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010	WWIS_Status APPROVED_CERT		TRUE	TRUE	TRUE					
35269	SRS7052911	SWB	EMPLACED_CNTR	3/14/2011 22:34	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010		11/26/2010	WWIS_Status APPROVED_CERT		TRUE	TRUE	TRUE					
35270	SRS7052912	SLB2	EMPLACED_CNTR	9/13/2011 9:39	5/17/2011 19:26	mccabed	SR-W027-HBL-BOX	S5400		0	6/3/2010		6/3/2010	5/16/2011				TRUE	TRUE	TRUE			SRS7052907		Daughter
35271	SRS7052914	SSG	EMPLACED_CNTR	12/6/2012 13:41	12/29/2011 15:54	mccabed	SR-W027-HBL-BOX	S5400	None	0	12/14/2011		12/14/2011				- Rpkgd was SRS7052907	TRUE	TRUE	TRUE			SRS7052902		Daughter
35272	SRS7052916	SSG	EMPLACED_CNTR	2/16/2012 9:42	11/9/2011 17:46	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35273	SRS7052918	SSG	EMPLACED_CNTR	6/8/2012 14:43	11/9/2011 17:47	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35274	SRS7052919	SSG	EMPLACED_CNTR	10/25/2012 15:30	11/9/2011 17:48	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35275	SRS7052920	SSG	EMPLACED_CNTR	1/8/2012 14:22	11/9/2011 17:49	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35276	SRS7052922	SSG	EMPLACED_CNTR	1/3/2012 14:35	1/18/2012 17:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/2/2011	1/5/2012	11/2/2011	1/5/2012			- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35277	SRS7052923	SSG	EMPLACED_CNTR	2/17/2012 16:08	11/9/2011 17:50	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35278	SRS7052924	SSG	EMPLACED_CNTR	1/8/2012 14:22	11/9/2011 17:50	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/2/2011		11/2/2011				- Rpkgd was SRS7052902	TRUE	TRUE	TRUE			SRS7052902		Daughter
35279	SRS7052925	SSG	EMPLACED_CNTR	4/4/2013 15:21	9/13/2012 14:16	mccabed	SR-W027-HBL-BOX	S5400	None	0	4/27/2012	9/7/2012	4/27/2012	9/7/2012		221-F-55006	- Rpkgd was SRS7052905	TRUE	TRUE	TRUE			SRS7052905		Daughter
35280	SRS7052926	SSG	EMPLACED_CNTR	4/4/2013 15:25	9/13/2012 14:17	mccabed	SR-W027-HBL-BOX	S5400	None	0	4/27/2012	9/7/2012	4/27/2012	9/7/2012		221-F-55006	- Rpkgd was SRS7052905	TRUE	TRUE	TRUE			SRS7052905		Daughter
35281	SRS7052927	SSG	APPROVED_CERT		5/6/2012 13:01	mccabed	SR-W027-HBL-BOX	S5400	None	0	4/27/2012		4/27/2012				- Rpkgd was SRS7052907	TRUE	TRUE	TRUE			SRS7052907		Daughter
35282	SRS7052928	SSG	EMPLACED_CNTR	11/4/2012 12:45	6/18/2012 11:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/5/2012	6/12/2012	6/5/2012	6/12/2012				TRUE	TRUE	TRUE					
35283	SRS7053002	SLB2	EMPLACED_CNTR	8/5/2012 9:16	7/25/2011 20:55	mccabed	SR-W027-HBL-BOX	S5400		0	4/10/2007		4/10/2007	4/10/2007		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35284	SRS7053003	SLB2	EMPLACED_CNTR	12/18/2011 14:36	8/1/2011 18:53	mccabed	SR-W027-HBL-BOX	S5400		0	4/9/2007		4/9/2007	6/2/2011		PCB Bulk Product Waste - Non LeachableFilter Reduction Date: 6/2/2011Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35285	SRS7053007	SWB	EMPLACED_CNTR	8/1/2012 10:35	5/9/2012 15:19	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/7/2011	5/1/2012	1/7/2011	5/1/2012		Repackaged from SRS7053004 - PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55078 Tru Waste Container Remediation	- Rpkgd into SRS7053010 - Rpkgd into SRS7053023 - Rpkgd into SRS7053024 Rpkgd into SRS7053025 - Rpkgd into SRS7053026 - Rpkgd into SRS7053027 - Rpkgd into SRS7053028 - Rpkgd into SRS7053029	TRUE	TRUE	TRUE	Yes	10/13/2005			
35286	SRS7053008	SWB	EMPLACED_CNTR	4/3/2013 9:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	1/7/2011		1/7/2011	7/2/2011		Repackaged from SRS7053004 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35287	SRS7053010	SSG	EMPLACED_CNTR	11/18/2012 10:44	5/9/2012 15:34	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	5/5/2012	5/1/2012	5/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35288	SRS7053012	SWB	EMPLACED_CNTR	12/27/2012 11:11	4/28/2011 6:00	sdcwebuser	SR-W027-HBL-BOX	S5400		0	1/14/2011		1/14/2011	7/9/2011		Parent Container SRS7053005 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35289	SRS7053013	SWB	EMPLACED_CNTR	5/3/2011 15:51	4/28/2011 6:00	sdcwebuser	SR-W027-HBL-BOX	S5400		0	1/14/2011		1/14/2011	7/9/2011		Parent Container SRS7053005 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35290	SRS7053014	SWB	EMPLACED_CNTR	9/26/2012 13:22	5/12/2011 19:46	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35291	SRS7053015	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:47	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35292	SRS7053017	SSG	EMPLACED_CNTR	9/2/2011 9:41	6/28/2011 15:36	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/29/2011	6/18/2011	4/29/2011	6/18/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35293	SRS7053018	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:48	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35294	SRS7053019	SSG	EMPLACED_CNTR	8/25/2011 22:03	5/12/2011 19:48	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35295	SRS7053020	SSG	EMPLACED_CNTR	9/13/2011 21:57	6/28/2011 15:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/29/2011	6/20/2011	4/29/2011	6/20/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35296	SRS7053021	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:49	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35297	SRS7053022	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:49	mccabed	SR-W027-HBL-BOX	S5400		0	4/29/2011		4/29/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053006	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053006		Repack
35298	SRS7053023	SSG	APPROVED_CERT		9/13/2012 14:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	9/5/2012	5/1/2012	9/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35299	SRS7053024	SSG	EMPLACED_CNTR	11/18/2012 10:44	5/9/2012 15:15	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012		5/1/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35300	SRS7053025	SSG	EMPLACED_CNTR	7/21/2012 10:34	5/13/2012 17:50	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	5/8/2012	5/1/2012	5/8/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35301	SRS7053026	SSG	EMPLACED_CNTR	11/18/2012 10:44	5/13/2012 17:51	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	5/7/2012	5/1/2012	5/7/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35302	SRS7053027	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/9/2012 15:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	5/5/2012	5/1/2012	5/5/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; This container is a daughter drum which then had 221-F-55006 Tru Drum Repackaging performed on 5/5/2012	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35303	SRS7053028	SSG	EMPLACED_CNTR	9/21/2012 13:59	5/9/2012 15:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012		5/1/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35304	SRS7053029	SSG	EMPLACED_CNTR	7/21/2012 10:34	5/30/2012 16:17	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/1/2012	5/22/2012	5/1/2012	5/22/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55006 Tru Drum Repackaging	- Rpkgd was SRS7053007	TRUE	TRUE	TRUE	Yes	10/13/2005	SRS7053007		Daughter
35305	SRS7053103	SLB2	EMPLACED_CNTR	11/29/2011 13:26	7/25/2011 20:51	mccabed	SR-W027-HBL-BOX	S5400		0	7/2/2007		7/2/2007	7/1/2007		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35306	SRS7053104	SLB2	EMPLACED_CNTR	12/5/2012 13:51	6/23/2012 22:40	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	3/6/2012		3/6/2012	3/6/2012		Changed to Non-PCB/Email : Price 1/30/12, updated per JBiedscheid email 050112: Parent generation date: 7/2/2007	- Rpkgd into SRS7053131	TRUE	TRUE	TRUE	NA				
35307	SRS7053106	SLB2	EMPLACED_CNTR	7/29/2012 10:01	7/25/2013 20:54	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/1/2007		7/1/2007	7/1/2007		PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35308	SRS7053107	SWB	EMPLACED_CNTR	2/26/2012 13:28	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/26/2010		11/26/2010	5/21/2011		Repackaged from SRS7053102 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35309	SRS7053108	SWB	EMPLACED_CNTR	4/3/2012 13:10	11/15/2011 14:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/26/2010	11/9/2011	11/26/2010	11/9/2011		Repackaged from SRS7053102 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SRS7053114 - Rpkgd into SRS7053115 - Rpkgd into SRS7053116 Rpkgd into SRS7053117 - Rpkgd into SRS7053119	TRUE	TRUE	TRUE	Yes	10/13/2005			
35310	SRS7053109	SWB	EMPLACED_CNTR	3/29/2012 15:25	11/15/2011 14:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/26/2010	11/11/2011	11/26/2010	11/11/2011		Repackaged from SRS7053102 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SRS7053118 - Rpkgd into SRS7053120	TRUE	TRUE	TRUE	Yes	10/13/2005			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35311	SR57053112	SWB	EMPLACED_CNTR	4/9/2013 14:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	12/9/2010		12/9/2010		6/3/2011	Repackaged from SR57053101 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35312	SR57053113	SWB	EMPLACED_CNTR	10/13/2012 14:41	4/19/2012 13:42	mccabed	SR-WD27-HBL-BOX	S5400		0	12/9/2010	4/10/2012	12/9/2010	4/10/2012		Repackaged from SR57053101 PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03	- Rpkgd into SR57053121	TRUE	TRUE	TRUE	Yes	10/13/2005			
35313	SR57053114	SSG	EMPLACED_CNTR	3/3/2012 14:35	9/1/2011 13:31	mccabed	SR-WD27-HBL-BOX	S5400	None	0	8/23/2011		8/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053108		Daughter
35314	SR57053115	SSG	EMPLACED_CNTR	12/19/2012 12:50	9/1/2011 13:32	mccabed	SR-WD27-HBL-BOX	S5400	None	0	8/23/2011		8/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053108		Daughter
35315	SR57053116	SSG	EMPLACED_CNTR	7/21/2012 10:34	3/16/2012 16:57	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	8/23/2011	3/19/2012	8/23/2011	3/19/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053108		Daughter
35316	SR57053117	SSG	EMPLACED_CNTR	4/29/2012 9:15	9/1/2011 13:33	mccabed	SR-WD27-HBL-BOX	S5400	None	0	8/23/2011		8/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053108		Daughter
35317	SR57053118	SSG	EMPLACED_CNTR	6/9/2012 10:58	12/20/2011 15:37	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	9/30/2011	12/15/2011	9/30/2011	12/15/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053109	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053109		Daughter
35318	SR57053119	SSG	EMPLACED_CNTR	4/29/2012 9:15	12/20/2011 15:42	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	11/9/2011	12/15/2011	11/9/2011	12/15/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053108		Daughter
35319	SR57053120	SSG	EMPLACED_CNTR	10/14/2012 10:30	12/20/2011 15:34	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	11/11/2011	12/15/2011	11/11/2011	12/15/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053109	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053109		Daughter
35320	SR57053121	SWB	EMPLACED_CNTR	7/28/2012 14:09	4/19/2012 13:42	mccabed	SR-WD27-HBL-BOX	S5400		0	4/10/2012		4/10/2012			PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03	- Rpkgd was SR57053113	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053113		Daughter
35321	SR57053122	SSG	EMPLACED_CNTR	8/8/2012 14:42	6/18/2012 11:21	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	5/31/2012	6/11/2012	5/31/2012	6/11/2012			- Rpkgd was SR57053105	TRUE	TRUE	TRUE	NA		SR57053105		Daughter
35322	SR57053132	SSG	EMPLACED_CNTR	6/9/2012 10:58	4/16/2012 16:14	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	3/7/2012	4/20/2012	3/7/2012	4/20/2012			- Rpkgd was SR57053105	TRUE	TRUE	TRUE	NA		SR57053105		Daughter
35323	SR57053202	SLB2	EMPLACED_CNTR	6/2/2012 10:42	7/25/2011 20:44	mccabed	SR-WD27-HBL-BOX	S5400		0	3/6/2007		3/6/2007	3/6/2007		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35324	SR57053208	SWB	EMPLACED_CNTR	12/11/2011 9:35	4/28/2011 6:00	WWIS_Updt	SR-WD27-HBL-BOX	S5400		0	11/6/2010		11/6/2010		5/1/2011	WWIS_Status:APPROVED_CERT - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35325	SR57053209	SWB	EMPLACED_CNTR	5/25/2011 22:24	4/28/2011 6:00	WWIS_Updt	SR-WD27-HBL-BOX	S5400		0	11/6/2010		11/6/2010		5/1/2011	Repackaged from SR57053201 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35326	SR57053211	SWB	EMPLACED_CNTR	5/1/2011 9:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	1/21/2011		1/21/2011		7/16/2011	Parent Container SR57053204 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35327	SR57053213	SWB	EMPLACED_CNTR	12/11/2011 9:35	11/3/2011 15:51	mccabed	SR-WD27-HBL-BOX	S5400		0	2/1/2011		2/1/2011			Parent Container SR57053206: Changed to Non-PCB/E-mail J Price 8/30/11		TRUE	TRUE	TRUE					
35328	SR57053215	SWB	EMPLACED_CNTR	5/17/2011 21:35	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	S5400		0	2/1/2011		2/1/2011		7/27/2011	Parent Container SR57053206 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35329	SR57053217	SWB	EMPLACED_CNTR	10/28/2012 14:25	11/17/2011 16:56	mccabed	SR-WD27-HBL-BOX	S5400		0	5/17/2011	11/11/2011	5/17/2011	11/11/2011		PCB Waste PCB Bulk Product Waste - Non Leachable; Cell 11 tru repacking operation	- Rpkgd was SR57053205	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053205		Daughter
35330	SR57052240	SSG	EMPLACED_CNTR	2/17/2012 16:08	11/29/2011 6:22	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/7/2011	11/12/2011	10/7/2011	11/12/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053214	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053214		Daughter
35331	SR57053401	SLB2	EMPLACED_CNTR	9/9/2012 9:11	7/25/2011 20:34	mccabed	SR-WD27-HBL-BOX	S5400		0	8/2/2007		8/2/2007	8/2/2007		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35332	SR57053406	SLB2	EMPLACED_CNTR	9/9/2012 9:42	7/25/2011 20:35	mccabed	SR-WD27-HBL-BOX	S5400		0	8/2/2007		8/2/2007	8/2/2007		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35333	SR57053408	SWB	EMPLACED_CNTR	4/3/2012 13:10	10/18/2011 16:27	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	12/10/2010	10/11/2011	12/10/2010	10/11/2011		Repackaged from SR57053402 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053424	TRUE	TRUE	TRUE	Yes	10/13/2005			
35334	SR57053412	SWB	EMPLACED_CNTR	4/4/2011 21:40	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	12/11/2010		12/11/2010		6/5/2011	Repackaged from SR57053404 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35335	SR57053413	SWB	EMPLACED_CNTR	4/10/2012 15:09	10/21/2011 10:07	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	12/11/2010	10/12/2011	12/11/2010	10/12/2011		Repackaged from SR57053405 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053425	TRUE	TRUE	TRUE	Yes	10/13/2005			
35336	SR57053416	SWB	EMPLACED_CNTR	4/10/2012 15:09	11/15/2011 14:36	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	12/14/2010	11/11/2011	12/14/2010	11/11/2011		Repackaged from SR57053404; Changed to Non-PCB/E-mail J. Price 8/12/11	- Rpkgd into SR57053423 - Rpkgd into SR57053427	TRUE	TRUE	TRUE	NA				
35337	SR57053419	SWB	EMPLACED_CNTR	3/15/2012 15:30	10/21/2011 10:09	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/25/2011	10/14/2011	1/25/2011	10/14/2011		Parent Container SR57053403 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053426	TRUE	TRUE	TRUE	Yes	10/13/2005			
35338	SR57053420	SWB	EMPLACED_CNTR	3/16/2012 15:25	11/23/2011 9:52	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/25/2011	11/15/2011	1/25/2011	11/15/2011		Parent Container SR57053403 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053422 - Rpkgd into SR57053428	TRUE	TRUE	TRUE	Yes	10/13/2005			
35339	SR57053423	SSG	EMPLACED_CNTR	2/26/2012 13:31	12/30/2011 20:42	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/7/2011	12/19/2011	10/7/2011	12/19/2011		Changed to Non-PCB/Email JPrice 9/12/11.	- Rpkgd was SR57053416	TRUE	TRUE	TRUE	NA		SR57053416		Daughter
35340	SR57053424	SSG	EMPLACED_CNTR	8/1/2012 11:15	6/13/2012 12:36	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/11/2011	6/5/2012	4/11/2012	6/5/2012		Changed to Non-PCB/Email J. Price 4/26/12; 221-F-55037 Remediation of Tru drums containing aerosol cans and commercially pressurized containers; 221-F-55006 Tru Drum Repackaging.	- Rpkgd was SR57053408	TRUE	TRUE	TRUE	No		SR57053408		Daughter
35341	SR57053425	SSG	EMPLACED_CNTR	2/14/2012 8:55	11/29/2011 7:15	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/12/2011	11/22/2011	10/12/2011	11/22/2011		- PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053413	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053413		Daughter
35342	SR57053426	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/5/2012 18:58	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/14/2011	1/3/2012	10/14/2011	1/3/2012		- PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053419	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053419		Daughter
35343	SR57053427	SSG	EMPLACED_CNTR	4/26/2013 14:53	12/10/2012 7:40	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	11/11/2011	12/19/2011	11/11/2011	12/19/2011		EXCLUDE less than 100NCI/g CSoaterna 120512; Added back per CSoaterna 120612.	- Rpkgd was SR57053416	TRUE	TRUE	TRUE	NA		SR57053416		Daughter
35344	SR57053428	SSG	EMPLACED_CNTR	3/3/2012 14:35	1/10/2012 10:07	morriaj	SR-WD27-HBL-BOX	S5400	Remediation	0	11/15/2011	12/16/2011	11/15/2011	12/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053420	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053420		Daughter
35345	SR57053508	SWB	EMPLACED_CNTR	3/29/2011 13:06	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	12/13/2010		12/13/2010		6/7/2011	Repackaged from SR57053503		TRUE	TRUE	TRUE					
35346	SR57053510	SWB	EMPLACED_CNTR	3/24/2011 19:26	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	12/13/2010		12/13/2010		6/7/2011	Repackaged from SR57053503		TRUE	TRUE	TRUE					
35347	SR57053513	SWB	EMPLACED_CNTR	3/30/2011 19:08	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	12/15/2010		12/15/2010		6/9/2011	Repackaged from SR57053506 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35348	SR57053514	SWB	EMPLACED_CNTR	8/18/2012 13:59	4/3/2012 17:27	mccabed	SR-WD27-HBL-BOX	S5400		0	12/15/2010	3/28/2012	12/15/2010	3/28/2012		Repackaged from SR57053504 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35349	SR57053517	SWB	EMPLACED_CNTR	5/24/2011 12:51	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	S5400		0	1/15/2011		1/15/2011		7/10/2011	Parent Container SR57053504 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35350	SR57053518	SWB	EMPLACED_CNTR	5/5/2011 15:25	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	S5400		0	1/15/2011		1/15/2011		7/10/2011	Parent Container SR57053504 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35351	SR57053519	SWB	EMPLACED_CNTR	1/19/2012 13:13	10/6/2011 15:41	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/21/2011	9/24/2011	1/21/2011	9/24/2011		Parent Container SR57053505 PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053558 - Rpkgd into SR57053560	TRUE	TRUE	TRUE	Yes	10/13/2005			
35352	SR57053520	SWB	EMPLACED_CNTR	2/24/2012 14:51	7/14/2011 16:31	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/21/2011	6/29/2011	1/21/2011	6/29/2011		Parent Container SR57053505 PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57053547 - Rpkgd into SR57053548 - Rpkgd into SR57053549 - Rpkgd into SR57053550 - Rpkgd into SR57053551 - Rpkgd into SR57053552	TRUE	TRUE	TRUE	Yes	10/13/2005			
35353	SR57053521	SWB	EMPLACED_CNTR	4/21/2011 19:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	1/21/2011		1/21/2011		7/16/2011	Parent Container SR57053505 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35354	SR57053522	SWB	EMPLACED_CNTR	4/20/2011 22:51	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	S5400		0	1/21/2011		1/21/2011		7/16/2011	Parent Container SR57053505 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35355	SR57053524	SWB	EMPLACED_CNTR	1/19/2012 13:13	10/18/2011 16:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/31/2011	10/5/2011	1/31/2011	10/5/2011		Parent Container SR57053502; Changed to Non-PCB/E-mail J; Price 9/12/11	- Rpkgd into SR57053559	TRUE	TRUE	TRUE	NA				
35356	SR57053525	SWB	EMPLACED_CNTR	5/8/2011 11:21	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	1/31/2011		1/31/2011		7/26/2011	Parent Container SR57053502 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35357	SR57053526	SWB	EMPLACED_CNTR	5/5/2011 15:25	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	1/31/2011		1/31/2011		7/26/2011	Parent Container SR57053502 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35358	SR57055527	SWB	EMPLACED_CNTR	5/31/2012 13:13	1/30/2012 15:53	mccabed	SR-W027-HBL-BOX	S5400		0	2/7/2011	1/25/2012	2/7/2011	1/25/2012		Parent Container SR57053501 PCB Bulk Product Waste - Non Leachable, SW1S 3-SOP-CE111-03 (Cell 11 Tru Repacking Operation)		TRUE	TRUE	TRUE	Yes	10/13/2005			
35359	SR57053529	SLB2	APPROVED_CERT		11/13/2012 17:39	mccabed	SR-W027-HBL-BOX	S5400		0	7/18/2012		7/18/2012	11/7/2012		Parent Container SR57053501; Changed to Non-PCB/E-mail J Price 10/3/11; 221-F-55078 Tru Drum Repackaging; Filter reconfiguration date: 11/7/2012; Reduced filter model: NFT-013; Parent generation date 2/7/2011;		TRUE	TRUE	TRUE	NA				
35360	SR57053530	SSG	EMPLACED_CNTR	9/2/2011 9:41	6/28/2011 14:31	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/6/2011	6/14/2011	6/6/2011	6/14/2011		Repackaged from SR57053506 PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053512	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053512		Daughter
35361	SR57053531	SSG	EMPLACED_CNTR	1/8/2012 14:22	9/27/2011 16:49	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/6/2011	6/14/2011	6/6/2011	6/14/2011		Repackaged from SR57053506; Changed to Non-PCB/E-mail J; Price 8/18/11	- Rpkgd was SR57053512	TRUE	TRUE	TRUE			SR57053512		Daughter
35362	SR57053532	SSG	EMPLACED_CNTR	2/14/2012 9:00	9/27/2011 16:49	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/6/2011	6/15/2011	6/6/2011	6/15/2011		Repackaged from SR57053506 PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053512	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053512		Daughter
35363	SR57053533	SSG	EMPLACED_CNTR	9/1/2011 9:41	6/28/2011 14:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/6/2011	6/15/2011	6/6/2011	6/15/2011		Changed to Non-PCB/Email J Price 2/22/12	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	NA		SR57053523		Daughter
35364	SR57053534	SSG	EMPLACED_CNTR	9/11/2012 13:21	2/29/2012 19:40	mccabed	SR-W027-HBL-BOX	S5400		0	6/14/2011		6/14/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35365	SR57053535	SSG	EMPLACED_CNTR	12/14/2011 13:49	6/28/2011 12:54	mccabed	SR-W027-HBL-BOX	S5400		0	6/14/2011		6/14/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35366	SR57053536	SSG	EMPLACED_CNTR	5/11/2012 14:42	3/6/2012 9:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/14/2011	1/30/2012	6/14/2011	1/30/2012		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35367	SR57053537	SSG	EMPLACED_CNTR	12/14/2011 13:50	10/24/2011 18:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/14/2011	10/20/2011	6/14/2011	10/20/2011		PCB Bulk Product Waste - Non Leachable; Tru drum repacking 221-F-55006	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35368	SR57053539	SSG	EMPLACED_CNTR	7/10/2012 14:33	3/22/2012 8:58	mccabed	SR-W027-HBL-BOX	S5400		0	6/14/2011	3/15/2012	6/14/2011	3/15/2012		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053521	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35369	SR57053540	SSG	EMPLACED_CNTR	12/4/2011 10:27	6/28/2011 12:56	mccabed	SR-W027-HBL-BOX	S5400		0	6/14/2011		6/14/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053523	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053523		Daughter
35370	SR57053541	SSG	EMPLACED_CNTR	1/4/2012 10:29	10/27/2011 14:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/14/2011	10/25/2011	6/14/2011	10/25/2011		Changed to Non-PCB/E-mail J Price 8/18/11	- Rpkgd was SR57053509	TRUE	TRUE	TRUE			SR57053509		Daughter
35371	SR57053542	SSG	EMPLACED_CNTR	1/8/2012 14:23	9/27/2011 16:50	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/6/2011	6/22/2011	7/6/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053509	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053509		Daughter
35372	SR57053543	SSG	EMPLACED_CNTR	9/15/2011 19:35	7/13/2011 10:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/6/2011	6/22/2011	7/6/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053509	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053509		Daughter
35373	SR57053544	SSG	EMPLACED_CNTR	10/16/2011 14:40	7/13/2011 10:22	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011		6/22/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053509 - Rpkgd into SR57053557	TRUE	TRUE	TRUE	Yes	10/13/2005			
35374	SR57053546	SSG	EMPLACED_CNTR	10/16/2011 14:40	7/13/2011 10:24	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/7/2011	6/22/2011	7/7/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053520	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053520		Daughter
35375	SR57053547	SSG	EMPLACED_CNTR	5/30/2012 13:43	3/6/2012 9:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/29/2011	1/30/2012	6/29/2011	1/30/2012		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053520	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053520		Daughter
35376	SR57053548	SSG	EMPLACED_CNTR	12/4/2011 10:27	7/14/2011 13:34	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/29/2011		6/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053520	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053520		Daughter
35377	SR57053549	SSG	EMPLACED_CNTR	12/4/2011 10:27	7/14/2011 16:29	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/29/2011		6/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053520	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053520		Daughter
35378	SR57053550	SSG	EMPLACED_CNTR	7/7/2012 14:42	7/14/2011 16:29	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/29/2011		6/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053520 - Rpkgd was SR57053520	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053520		Daughter
35379	SR57053552	SSG	EMPLACED_CNTR	2/17/2012 16:08	11/23/2011 9:38	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/29/2011	11/17/2011	6/29/2011	11/17/2011		Changed to Non-PCB/E-mail J Price 2/29/12	- Rpkgd was SR57053515	TRUE	TRUE	TRUE	NA		SR57053515		Daughter
35380	SR57053553	SSG	APPROVED_CERT		3/19/2012 14:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/30/2011	10/27/2011	6/30/2011	10/27/2011											
35381	SR57053554	SSG	EMPLACED_CNTR	12/4/2011 10:26	7/14/2011 13:31	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/30/2011		6/30/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053515	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053515		Daughter
35382	SR57053555	SSG	EMPLACED_CNTR	12/4/2011 10:26	7/14/2011 13:31	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/30/2011		6/30/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053515	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053515		Daughter
35383	SR57053556	SSG	EMPLACED_CNTR	12/4/2011 14:20	7/14/2011 13:32	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/30/2011		6/30/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053515	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053515		Daughter
35384	SR57053557	SSG	EMPLACED_CNTR	2/17/2012 16:09	9/27/2011 16:51	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/7/2011		7/7/2011			Changed to Non-PCB/E-mail J Price 8/18/11	- Rpkgd was SR57053546	TRUE	TRUE	TRUE			SR57053546	SR57053509	Daughter
35385	SR57053558	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/20/2011 15:31	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/24/2011	12/14/2011	9/24/2011	12/14/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053519	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053519		Daughter
35386	SR57053559	SSG	EMPLACED_CNTR	2/16/2012 13:31	12/20/2011 15:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/5/2011	12/15/2011	10/5/2011	12/15/2011		Changed to Non-PCB/Email JPrice 9/12/11	- Rpkgd was SR57053524	TRUE	TRUE	TRUE	NA		SR57053524		Daughter
35387	SR57053560	SSG	EMPLACED_CNTR	3/3/2012 14:35	12/20/2011 15:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/24/2011	12/14/2011	9/24/2011	12/14/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57053519	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57053519		Daughter
35388	SR57053606	SLB2	EMPLACED_CNTR	1/16/2013 15:01	5/1/2012 19:52	mccabed	SR-W027-HBL-BOX	S5400		0	12/17/2009		12/17/2009	4/13/2012		Updated per JBiedscheid email 050112 Filter reconfiguration date: 4/13/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE					
35389	SR57053607	SWB	EMPLACED_CNTR	3/17/2011 18:34	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	11/4/2010		11/4/2010		4/29/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35390	SR57053608	SWB	EMPLACED_CNTR	3/16/2011 19:11	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	11/4/2010		11/4/2010		4/29/2011	Repackaged from SLB2 SR57053603		TRUE	TRUE	TRUE					
35391	SR57053609	SWB	EMPLACED_CNTR	10/11/2011 23:57	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	11/4/2010		11/4/2010		4/29/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35392	SR57053610	SWB	EMPLACED_CNTR	3/14/2011 23:32	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	11/4/2010		11/4/2010			Repackaged from SR57053601	- Rpkgd into SR57053628	TRUE	TRUE	TRUE					
35393	SR57053611	SWB	EMPLACED_CNTR	9/18/2011 13:48	6/8/2011 14:11	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/9/2010	6/2/2011	11/9/2010	6/2/2011	5/4/2011	Repackaged from SR57053601		TRUE	TRUE	TRUE					
35394	SR57053612	SWB	EMPLACED_CNTR	5/11/2011 19:39	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/9/2010		11/9/2010		5/4/2011	Repackaged from SR57053601		TRUE	TRUE	TRUE					
35395	SR57053613	SWB	EMPLACED_CNTR	5/26/2011 20:09	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/9/2010		11/9/2010				- Rpkgd into SR57053629 - Rpkgd into SR57053630	TRUE	TRUE	TRUE					
35396	SR57053614	SWB	EMPLACED_CNTR	9/29/2011 23:37	6/15/2011 11:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/9/2010	6/5/2011	11/9/2010	6/5/2011		Repackaged from SR57053601		TRUE	TRUE	TRUE					
35397	SR57053615	SSG			4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/9/2010		11/9/2010		5/4/2011	Repackaged from SR57053601		TRUE	TRUE	TRUE					
35398	SR57053618	SWB	EMPLACED_CNTR	5/26/2011 18:48	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			12/17/2009	1/17/2011	12/17/2009	1/17/2011			Rpkgd Was SR57053604						SR57053604		Repack
35399	SR57053617	SWB	EMPLACED_CNTR	8/18/2012 13:57	10/6/2011 15:45	mccabed	SR-W027-HBL-BOX	S5400	Remediation		1/17/2011	9/27/2011	1/17/2011	9/27/2011			Rpkgd Was SR57053604 - Rpkgd into SR57053638 - Rpkgd into SR57053639 - Rpkgd into SR57053640	TRUE	TRUE	TRUE					
35400	SR57053618	SWB	EMPLACED_CNTR	9/19/2011 23:49	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			12/17/2009	1/17/2011	12/17/2009	1/17/2011			Rpkgd Was SR57053604	TRUE	TRUE	TRUE			SR57053604		Repack
35401	SR57053619	SSG	EMPLACED_CNTR	11/3/2011 23:21	6/6/2011 10:54	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/2/2011		8/2/2011				- Rpkgd was SR57053633	TRUE	TRUE	TRUE			SR57053633	SR57053624	Daughter
35402	SR57053621	SWB	APPROVED_CERT		6/12/2012 22:24	mccabed	SR-W027-HBL-BOX	S5400			12/17/2009	6/1/2012	1/18/2011	8/3/2012			Rpkgd Was SR57053602	TRUE	FALSE	TRUE	NA		SR57053602		Repack
35403	SR57053623	SWB	EMPLACED_CNTR	8/18/2011 19:27	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			12/17/2009	1/18/2011	12/17/2009	1/18/2011			Rpkgd Was SR57053602	TRUE	TRUE	TRUE			SR57053602		Repack
35404	SR57053625	SWB	EMPLACED_CNTR	5/23/2011 22:56	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	2/1/2011		2/1/2011		7/28/2011	Parent Container SR57053605		TRUE	TRUE	TRUE					
35405	SR57053626	SWB	EMPLACED_CNTR	11/29/2012 9:51	8/14/2012 16:14	mccabed	SR-W027-HBL-BOX	S5400		0	2/2/2011	8/3/2012	6/7/2012	8/3/2012		Parent Container SR57053605, SW1S 3-SOP-CE111-03 (Cell 11 Tru Repacking Operation); 221-F-55078 Tru Waste Container Remediation		TRUE	TRUE	TRUE					
35406	SR57053628	SSG	EMPLACED_CNTR	9/13/2011 21:57	6/15/2011 12:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/2/2011	6/7/2011	6/2/2011	6/7/2011			- Rpkgd was SR57053611	TRUE	TRUE	TRUE			SR57053611		Daughter
35407	SR57053629	SSG	EMPLACED_CNTR	9/13/2011 21:57	6/15/2011 12:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/5/2011	6/7/2011	6/5/2011	6/7/2011			- Rpkgd was SR57053614	TRUE	TRUE	TRUE			SR57053614		Daughter
35408	SR57053630	SSG	EMPLACED_CNTR	9/13/2011 21:57	6/15/2011 12:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/5/2011	6/8/2011	6/5/2011	6/8/2011			- Rpkgd was SR57053614	TRUE	TRUE	TRUE			SR57053614		Daughter
35409	SR57053633	SSG	EMPLACED_CNTR	10/27/2011 18:51	8/8/2011 10:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/2/2011	7/15/2011	8/2/2011			- Rpkgd was SR57053624 - Rpkgd into SR57053619 - Rpkgd was SR57053627	TRUE	TRUE	TRUE			SR57053627		Daughter
35410	SR57053634	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/8/2011 15:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/18/2011	8/4/2011	7/18/2011	8/4/2011			- Rpkgd was SR57053624	TRUE	TRUE	TRUE			SR57053624		Daughter
35411	SR57053635	SSG	EMPLACED_CNTR	10/27/2011 18:51	8/8/2011 10:55	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/2/2011	7/15/2011	8/2/2011			- Rpkgd was SR57053624	TRUE	TRUE	TRUE			SR57053624		Daughter
35412	SR57053636	SSG	EMPLACED_CNTR	10/27/2011 18:51	8/8/2011 10:55	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/2/2011	7/15/2011	8/2/2011			- Rpkgd was SR57053624	TRUE	TRUE	TRUE			SR57053624		Daughter
35413	SR57053637	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/8/2011 10:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/27/2011	1/6/2012	9/27/2011	1/6/2012			- Rpkgd was SR57053617	TRUE	TRUE	TRUE			SR57053617	SR57053604	Repack
35414	SR57053638	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 15:18	mccabed	SR-W027-HBL-BOX	S5400	Remediation																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35415	SR57053639	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 15:20	mccabed	SR-WO27-HBL-BOX	S5400	Remediation		9/27/2011	1/6/2012	9/27/2011	1/6/2012			- Rpkgd was SR57053817	TRUE	TRUE	TRUE			SR57053617		Daughter
35416	SR57053640	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 17:08	mccabed	SR-WO27-HBL-BOX	S5400	Remediation		9/27/2011	1/6/2012	9/27/2011	1/6/2012			- Rpkgd was SR57053617	TRUE	TRUE	TRUE			SR57053617		Daughter
35417	SR57055307	SWB	EMPLACED_CNTR	4/3/2011 9:52	4/28/2011 6:00	WPPINET\SQLMaster	SR-WO27-HBL-BOX	S5400		0	12/17/2010		12/17/2010		6/11/2011	Repackaged from SR57053304									
35418	SR57055308	SWB	EMPLACED_CNTR	12/3/2011 9:14	8/17/2011 9:07	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	12/17/2010	8/9/2011	12/17/2010	8/9/2011		Repackaged from SR57055304	- Rpkgd into SR57055358 - Rpkgd into SR57055359 - Rpkgd into SR57055360 - Rpkgd into SR57055361 - Rpkgd into SR57055362 - Rpkgd into SR57055363 - Rpkgd into SR57055364	TRUE	TRUE	TRUE					
35419	SR57055310	SWB	EMPLACED_CNTR	8/15/2011 21:39	4/28/2011 6:00	WPPINET\SQLMaster	SR-WO27-HBL-BOX	S5400		0	12/17/2010		12/17/2010		6/11/2011	Repackaged from SR57055304		TRUE	TRUE	TRUE					
35420	SR57055317	SWB	EMPLACED_CNTR	5/21/2011 12:48	4/28/2011 6:00	idewebuser	SR-WO27-HBL-BOX	S5400		0	2/8/2011		2/8/2011		8/1/2011	Parent Container SR57053302		TRUE	TRUE	TRUE			SR57055303		Repack
35421	SR57055318	SSG	EMPLACED_CNTR	5/11/2012 10:11	8/1/2011 16:38	mccabed	SR-WO27-HBL-BOX	S5400		0	5/24/2011		5/24/2011				- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35422	SR57055326	SSG	EMPLACED_CNTR	9/25/2011 13:28	6/22/2011 14:34	mccabed	SR-WO27-HBL-BOX	S5400		0	5/24/2011		5/24/2011				- Rpkgd was SR57055303 - Rpkgd into SR57055344	TRUE	TRUE	TRUE					
35423	SR57055327	SSG	EMPLACED_CNTR	11/9/2011 22:36	8/25/2011 18:20	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/24/2011	8/19/2011	5/24/2011	8/19/2011			- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35424	SR57055328	SSG	EMPLACED_CNTR	9/22/2011 22:54	7/14/2011 16:21	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/24/2011	7/13/2011	5/24/2011	7/13/2011			- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35425	SR57055329	SSG	EMPLACED_CNTR	10/30/2011 13:10	6/22/2011 15:13	mccabed	SR-WO27-HBL-BOX	S5400		0	5/24/2011		5/24/2011				- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35426	SR57055342	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/22/2011 15:09	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/24/2011	8/10/2011	5/24/2011	8/10/2011											Repack
35427	SR57055333	SWB	EMPLACED_CNTR	4/13/2012 15:18	1/30/2012 16:15	mccabed	SR-WO27-HBL-BOX	S5400		0	5/26/2011	12/28/2011	5/26/2011	12/28/2011		SW15.3-SOP-CEL11-03 Cell 11 Tru Repacking Operation	- Rpkgd was SR57055301	TRUE	TRUE	TRUE			SR57055301		Repack
35428	SR57055334	SSG	EMPLACED_CNTR	10/30/2011 9:28	8/22/2011 15:13	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/26/2011	8/10/2011	5/26/2011	8/10/2011			- Rpkgd was SR57055301	TRUE	TRUE	TRUE			SR57055301		Repack
35429	SR57055335	SSG	EMPLACED_CNTR	9/2/2011 9:39	6/22/2011 15:16	mccabed	SR-WO27-HBL-BOX	S5400		0	5/26/2011		5/26/2011				- Rpkgd was SR57055301	TRUE	TRUE	TRUE			SR57055301		Repack
35430	SR57055336	SSG	EMPLACED_CNTR	9/2/2011 9:39	6/22/2011 15:17	mccabed	SR-WO27-HBL-BOX	S5400		0	5/26/2011		5/26/2011				- Rpkgd was SR57055301	TRUE	TRUE	TRUE			SR57055301		Repack
35431	SR57055337	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/22/2011 15:10	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/26/2011	8/11/2011	5/26/2011	8/11/2011			- Rpkgd was SR57055314	TRUE	TRUE	TRUE			SR57055314		Daughter
35432	SR57055340	SSG	EMPLACED_CNTR	10/2/2011 14:57	8/1/2011 18:17	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/11/2011	7/28/2011	7/11/2011	7/28/2011			- Rpkgd was SR57055314	TRUE	TRUE	TRUE			SR57055314		Daughter
35433	SR57055341	SSG	EMPLACED_CNTR	5/30/2012 13:43	8/1/2011 18:18	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/11/2011	7/28/2011	7/11/2011	7/28/2011			- Rpkgd was SR57055314	TRUE	TRUE	TRUE			SR57055314		Daughter
35434	SR57055342	SSG	EMPLACED_CNTR	10/2/2011 14:57	8/1/2011 18:18	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/11/2011	7/28/2011	7/11/2011	7/28/2011			- Rpkgd was SR57055314	TRUE	TRUE	TRUE			SR57055314		Daughter
35435	SR57055343	SSG	EMPLACED_CNTR	9/22/2011 22:54	8/1/2011 18:19	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/11/2011	7/28/2011	7/11/2011	7/28/2011			- Rpkgd was SR57055314	TRUE	TRUE	TRUE			SR57055314		Daughter
35436	SR57055344	SSG	EMPLACED_CNTR	10/2/2011 14:57	8/1/2011 18:20	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/12/2011	7/28/2011	7/12/2011	7/28/2011			- Rpkgd was SR57055327	TRUE	TRUE	TRUE			SR57055327	SR57055303	Repack
35437	SR57055346	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/25/2011 18:20	mccabed	SR-WO27-HBL-BOX	S5400	None	0	8/19/2011		8/19/2011				- Rpkgd was SR57055338	TRUE	TRUE	TRUE			SR57055338	SR57055301	Repack
35438	SR57055347	SSG	EMPLACED_CNTR	11/7/2011 22:37	8/30/2011 17:12	mccabed	SR-WO27-HBL-BOX	S5400	None	0	8/25/2011		8/25/2011				- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35439	SR57055348	SSG	EMPLACED_CNTR	4/27/2012 9:52	8/30/2011 14:57	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/24/2011	8/25/2011	5/24/2011	8/25/2011			- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35440	SR57055349	SSG	EMPLACED_CNTR	9/1/2011 23:55	6/22/2011 15:20	mccabed	SR-WO27-HBL-BOX	S5400		0	5/24/2011		5/24/2011				- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35441	SR57055350	SSG	EMPLACED_CNTR	9/1/2011 23:35	6/22/2011 15:20	mccabed	SR-WO27-HBL-BOX	S5400		0	5/24/2011		5/24/2011				- Rpkgd was SR57055303	TRUE	TRUE	TRUE			SR57055303		Repack
35442	SR57055351	SSG	EMPLACED_CNTR	12/4/2011 13:12	9/1/2011 15:18	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/24/2011	8/29/2011	5/24/2011	8/29/2011			- Rpkgd was SR57055312	TRUE	TRUE	TRUE			SR57055312		Daughter
35443	SR57055354	SSG	EMPLACED_CNTR	4/11/2012 15:02	11/9/2011 17:56	mccabed	SR-WO27-HBL-BOX	S5400	None	0	11/1/2011		11/1/2011				- Rpkgd was SR57055305 - Rpkgd was SR57055352	TRUE	TRUE	TRUE			SR57055352	SR57055305	Daughter
35444	SR57055355	SSG	EMPLACED_CNTR	11/14/2012 14:36	9/13/2012 16:06	mccabed	SR-WO27-HBL-BOX	S5400		0	7/19/2012		7/19/2012				- Rpkgd was SR57055394	TRUE	TRUE	TRUE			SR57055394	SR57055315	Daughter
35445	SR57055356	SSG	EMPLACED_CNTR	10/30/2011 10:05	8/1/2011 18:13	mccabed	SR-WO27-HBL-BOX	S5400	None	0	7/27/2011		7/27/2011				- Rpkgd was SR57055396	TRUE	TRUE	TRUE			SR57055396	SR57055315	Daughter
35446	SR57055357	SSG	EMPLACED_CNTR	10/30/2011 10:05	8/1/2011 18:15	mccabed	SR-WO27-HBL-BOX	S5400	None	0	7/27/2011		7/27/2011				- Rpkgd was SR57055308	TRUE	TRUE	TRUE			SR57055308		Daughter
35447	SR57055358	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/1/2011 15:23	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	8/9/2011	8/29/2011	8/9/2011	8/29/2011			- Rpkgd was SR57055308	TRUE	TRUE	TRUE			SR57055308		Daughter
35448	SR57055360	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/17/2011 9:00	mccabed	SR-WO27-HBL-BOX	S5400	None	0	8/9/2011		8/9/2011				- Rpkgd was SR57055308	TRUE	TRUE	TRUE			SR57055308		Daughter
35449	SR57055361	SSG	EMPLACED_CNTR	12/4/2011 13:12	9/1/2011 15:21	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	8/9/2011	8/29/2011	8/9/2011	8/29/2011			- Rpkgd was SR57055308	TRUE	TRUE	TRUE			SR57055308		Daughter
35450	SR57055362	SSG	EMPLACED_CNTR	11/7/2011 22:37	9/1/2011 15:24	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	8/9/2011	8/30/2011	8/9/2011	8/30/2011			- Rpkgd was SR57055339	TRUE	TRUE	TRUE			SR57055339	SR57055301	Repack
35451	SR57055365	SSG	EMPLACED_CNTR	12/11/2011 11:05	8/30/2011 17:20	mccabed	SR-WO27-HBL-BOX	S5400	None	0	8/25/2011		8/25/2011				- Rpkgd was SR57055305 - Rpkgd was SR57055352	TRUE	TRUE	TRUE			SR57055352		Daughter
35452	SR57055366	SSG	EMPLACED_CNTR	11/15/2012 14:47	9/13/2012 16:06	mccabed	SR-WO27-HBL-BOX	S5400		0	7/19/2012		7/19/2012				- Rpkgd was SR57055309	TRUE	TRUE	TRUE			SR57055309		Daughter
35453	SR57055368	SSG	EMPLACED_CNTR	9/1/2011 23:35	7/26/2011 15:38	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/17/2011	6/27/2011	6/17/2011	6/27/2011			- Rpkgd was SR57055309	TRUE	TRUE	TRUE			SR57055309		Daughter
35454	SR57055369	SSG	EMPLACED_CNTR	9/2/2011 9:39	7/1/2011 11:36	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/17/2011	6/27/2011	6/17/2011	6/27/2011			- Rpkgd was SR57055309	TRUE	TRUE	TRUE			SR57055309		Daughter
35455	SR57055371	SSG	EMPLACED_CNTR	9/2/2011 9:39	7/1/2011 11:41	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/17/2011	6/28/2011	6/17/2011	6/28/2011			- Rpkgd was SR57055309	TRUE	TRUE	TRUE			SR57055309		Daughter
35456	SR57055372	SSG	EMPLACED_CNTR	9/1/2011 23:35	7/1/2011 11:42	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/17/2011	6/28/2011	6/17/2011	6/28/2011			- Rpkgd was SR57055305 - Rpkgd was SR57055352	TRUE	TRUE	TRUE			SR57055352		Daughter
35457	SR57055374	SSG	EMPLACED_CNTR	12/19/2012 12:50	9/13/2012 16:07	mccabed	SR-WO27-HBL-BOX	S5400		0	7/19/2012		7/19/2012				- Rpkgd was SR57055370	TRUE	TRUE	TRUE			SR57055370	SR57055309	Daughter
35458	SR57055375	SSG	EMPLACED_CNTR	9/22/2011 22:54	7/1/2011 11:40	mccabed	SR-WO27-HBL-BOX	S5400	None	0	6/27/2011		6/27/2011				- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35459	SR57055376	SSG	EMPLACED_CNTR	10/2/2011 14:57	8/1/2011 18:49	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	7/29/2011	7/13/2011	7/29/2011			- Rpkgd was SR57055312	TRUE	TRUE	TRUE			SR57055312		Daughter
35460	SR57055377	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/26/2011 9:46	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/30/2011	7/19/2011	6/30/2011	7/19/2011			- Rpkgd was SR57055312 - Rpkgd into SR57055397	TRUE	TRUE	TRUE					
35461	SR57055378	SSG	EMPLACED_CNTR	9/22/2011 22:54	7/26/2011 9:48	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/30/2011	7/20/2011	6/30/2011	7/20/2011			- Rpkgd was SR57055312 - Rpkgd into SR57055398	TRUE	TRUE	TRUE					
35462	SR57055379	SSG	EMPLACED_CNTR	10/2/2011 14:57	7/26/2011 9:10	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/30/2011	7/20/2011	6/30/2011	7/20/2011			- Rpkgd was SR57055312	TRUE	TRUE	TRUE			SR57055312		Daughter
35463	SR57055380	SSG	EMPLACED_CNTR	10/5/2011 18:16	7/26/2011 9:11	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/30/2011	7/20/2011	6/30/2011	7/20/2011			- Rpkgd was SR57055312	TRUE	TRUE	TRUE			SR57055312		Daughter
35464	SR57055381	SSG	EMPLACED_CNTR	7/21/2012 10:34	3/26/2012 17:04	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/20/2011	3/21/2012	7/20/2011	3/21/2012			- Rpkgd was SR57055312	TRUE	TRUE	TRUE			SR57055312		Daughter
35465	SR57055382	SSG	EMPLACED_CNTR	9/22/2011 22:54	7/26/2011 9:13	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/30/2011	7/20/2011	6/30/2011	7/20/2011			- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35466	SR57055383	SSG	EMPLACED_CNTR	10/16/2011 14:40	8/1/2011 18:21	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	7/29/2011	7/13/2011	7/29/2011			- Rpkgd was SR57055315	TRUE	TRUE	TRUE			SR57055315		Daughter
35467	SR57055384	SSG	EMPLACED_CNTR	10/5/2011 18:16	8/1/2011 18:05	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/9/2011	7/27/2011	7/9/2011	7/27/2011			- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35468	SR57055385	SSG	EMPLACED_CNTR	9/17/2011 14:15	8/8/2011 10:19	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	8/1/2011	7/13/2011	8/1/2011			- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35469	SR57055386	SSG	EMPLACED_CNTR	9/21/2012 18:21	8/8/2011 10:20	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	8/1/2011	7/13/2011	8/1/2011			- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35470	SR57055387	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/8/2011 10:33	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	8/1/2011	7/13/2011	8/1/2011			- Rpkgd was SR57055311	TRUE	TRUE	TRUE			SR57055311		Daughter
35471	SR57055388	SSG	EMPLACED_CNTR	10/30/2011 9:38	8/8/2011 10:40	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/13/2011	7/29/2011	7/13/2011	7/29/2011			- Rpkgd was SR57055315	TRUE	TRUE	TRUE			SR57055315		Daughter
35472	SR57055391	SSG	EMPLACED_CNTR	10/30/2011 10:05	8/1/2011 18:10	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/9/2011	7/27/2011	7/9/2011	7/27/2011			- Rpkgd was SR57055315	TRUE	TRUE	TRUE			SR57055315		Daughter
35473	SR57055393	SSG	EMPLACED_CNTR	10/16/2011 14:40	8/1/2011 18:11	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/9/2011	7/27/2011	7/9/2011	7/27/2011			- Rpkgd was SR57055315	TRUE	TRUE	TRUE			SR57055315		Daughter
35474	SR57055395	SSG	EMPLACED_CNTR	9/25/2011 13:28	8/1/2011 18:14	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/9/2011	7/27/2011	7/9/2011	7/27/2011			- Rpkgd was SR57055315 - Rpkgd into SR57055357	TRUE	TRUE	TRUE					
35475	SR57055396	SSG	EMPLACED_CNTR	9/25/2011 13:28	8/1/2011 18:15	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	7/9/2011	7/27/2011	7/9/2011	7/27/2011			- Rpkgd was SR57055378	TRUE	TRUE	TRUE			SR57055378	SR57055312	Daughter
35476	SR57055397	SSG	EMPLACED_CNTR	10/5/2011 18:16	7/26/2011 9:48	mccabed	SR-WO27-HBL-BOX	S5400	None	0	7/20/2011		7/20/2011				- Rpkgd was SR57055379	TRUE	TRUE	TRUE			SR57055379	SR57055312	Daughter
35477	SR57055398	SSG	EMPLACED_CNTR	9/25/2011 13:28	7/26/2011 9:10	mccabed	SR-WO27-HBL-BOX	S5400	None	0	7/20/2011		7/20/2011												
35478	SR57055402	SLB2	EMPLACED_CNTR	11/8/2012 15:15	8/18/2011 22:02	mccabed	SR-WO27-HBL-BOX	S5400		0	10/12/2005		10/12/2005	5/26/2011		PCB Waste PCB Bulk Product Waste - Non Leachable\Filter Reduction Date: 5/26/2011\Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35479	SR57055403	SLB2	EMPLACED_CNTR	10/13/2012 12:56	8/17/2011 13:41	mccabed	SR-WO27-HBL-BOX	S5400	Vent	0	10/12/2005		10/12/2005	8/11/2011		PCB Bulk Product Waste - Non Leachable; Filter Reduction Date: 8/11/2011; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35480	SR57055407	SWB	EMPLACED_CNTR	5/24/2011 12:50	4/28/2011 6:00	WWIS_Upd	SR-WO27-HBL-BOX	S5400		0	11/29/2010		11/29/2010		5/24/2011	Repackaged from SR57055401 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35481	SR57055408	SWB	EMPLACED_CNTR	3/14/2011 22:36	4/28/2011 6:00	WWIS_Upd	SR-WO27-HBL-BOX	S5400		0	11/29/2010		11/29/2010		5/24/2011	WWIS_Status:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					
35482	SR57055409	SWB	EMPLACED_CNTR	3/17/2011 18:23	4/28/2011 6:00	WWIS_Upd	SR-WO27-HBL-BOX	S5400		0	11/29/2010		11/29/2010		5/24/2011	WWIS_Status:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					
35483	SR57055410	SWB	EMPLACED_CNTR	9/10/2011 13:27	5/24/2011 16:43	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	11/29/2010	5/18/2011	11/29/2010	5/18/2011		Repackaged from SR57055401 - PCB Waste PCB Bulk Product Waste - Non Leachable Changed to Non-PCB/E-mail J.Price 10/6/11.	- Rpkgd into SR57055418 - Rpkgd was SR57055404	TRUE	TRUE	TRUE	Yes	10/13/2005			
35484	SR57055411	SSG	EMPLACED_CNTR	7/7/2012 14:42	4/26/2012 16:23	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	3/27/2012	4/21/2012	3/27/2012	4/21/2012				TRUE	TRUE	TRUE	NA		SR57055404		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35485	SR57055413	SWB	EMPLACED_CNTR	5/10/2011 21:15	4/28/2011 6:00	skrwebuser	SR-W027-HBL-BOX	SS400		0	1/28/2011		1/28/2011		7/23/2011	Parent Container SR57055405 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35486	SR57055414	SWB	EMPLACED_CNTR	1/17/2012 13:19	10/18/2011 16:29	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	1/28/2011	10/6/2011	1/28/2011	10/6/2011		Parent Container SR57055405 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57055432	TRUE	TRUE	TRUE	Yes	10/13/2005			
35487	SR57055416	SSG	APPROVED_CERT		5/31/2011 15:44	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/18/2011	5/25/2011	5/18/2011	5/25/2011		Repackaged from SR57055401 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055410	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055410	SR57055401	Repack
35488	SR57055418	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/28/2011 15:29	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/8/2011	6/16/2011	6/8/2011	6/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055412	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055412		Daughter
35489	SR57055419	SSG	EMPLACED_CNTR	1/8/2012 14:23	9/27/2011 16:52	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/8/2011	6/17/2011	6/8/2011	6/17/2011		Changed to Non-PCB/E-mail ; Price 8/18/11	- Rpkgd was SR57055412	TRUE	TRUE	TRUE			SR57055432		Daughter
35490	SR57055420	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/28/2011 15:27	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/8/2011	6/17/2011	6/8/2011	6/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055412	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055412		Daughter
35491	SR57055421	SSG	EMPLACED_CNTR	1/8/2012 14:23	9/27/2011 16:51	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/8/2011	6/17/2011	6/8/2011	6/17/2011		Changed to Non-PCB/E-mail ; Price 8/18/11	- Rpkgd was SR57055412	TRUE	TRUE	TRUE			SR57055432		Daughter
35492	SR57055424	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/8/2011 10:47	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/12/2011	8/2/2011	7/12/2011	8/2/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055415	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055415		Daughter
35493	SR57055425	SWB	EMPLACED_CNTR	12/11/2011 9:31	9/21/2011 14:44	mccabed	SR-W027-HBL-BOX	SS400		0	9/1/2011		9/1/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35494	SR57055426	SWB	EMPLACED_CNTR	7/13/2012 13:13	4/19/2012 13:44	mccabed	SR-W027-HBL-BOX	SS400		0	9/1/2011	4/13/2012	9/1/2011	4/13/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEI-11-03 Cell 11 Tru repacking operation.	- Rpkgd was SR57055406 - Rpkgd into SR57055422	TRUE	TRUE	TRUE	Yes	10/13/2005			
35495	SR57055427	SSG	EMPLACED_CNTR	4/11/2012 15:02	9/21/2011 14:45	mccabed	SR-W027-HBL-BOX	SS400		0	8/31/2011		8/31/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35496	SR57055428	SSG	EMPLACED_CNTR	4/11/2012 15:02	9/21/2011 14:45	mccabed	SR-W027-HBL-BOX	SS400		0	8/31/2011		8/31/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35497	SR57055429	SSG	EMPLACED_CNTR	4/11/2012 15:02	9/21/2011 14:46	mccabed	SR-W027-HBL-BOX	SS400		0	8/31/2011		8/31/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35498	SR57055430	SSG	EMPLACED_CNTR	3/31/2012 15:25	11/8/2011 16:44	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	8/31/2011	11/1/2011	8/31/2011	11/1/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35499	SR57055431	SSG	EMPLACED_CNTR	1/16/2013 15:01	9/21/2011 14:47	mccabed	SR-W027-HBL-BOX	SS400		0	8/31/2011		8/31/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055406	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055406		Repack
35500	SR57055432	SSG	EMPLACED_CNTR	7/15/2012 13:24	1/27/2012 17:03	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	10/6/2011	1/10/2012	10/6/2011	1/10/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57055414	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055414		Daughter
35501	SR57055433	SLBJ	EMPLACED_CNTR	8/7/2013 13:32	9/12/2012 16:20	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/6/2012		6/6/2012	9/5/2012		Changed to Non-PCB/E-mail ; Price 10/6/11; Filter reconfiguration date: 9/5/2012; Reduced filter model: NFT-013	- Rpkgd was SR57055404 - Rpkgd into SR57055434 - Rpkgd into SR57055435	TRUE	TRUE	TRUE	NA				
35502	SR57055434	SSG	EMPLACED_CNTR	11/18/2012 10:44	6/18/2012 11:21	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/6/2012	6/12/2012	6/6/2012	6/12/2012			- Rpkgd was SR57055404 - Rpkgd was SR57055433	TRUE	TRUE	TRUE	NA		SR57055433	SR57055404	Repack
35503	SR57055435	SSG	EMPLACED_CNTR	9/21/2012 13:59	6/13/2012 11:07	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/6/2012		6/6/2012				- Rpkgd was SR57055404 - Rpkgd was SR57055433	TRUE	TRUE	TRUE	NA		SR57055433		Daughter
35504	SR57055436	SSG	APPROVED_CERT		7/12/2012 13:48	mccabed	SR-W027-HBL-BOX	SS400		0	7/2/2012		7/2/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; 2214-55037 Remediation of TKU Drums	- Rpkgd was SR57055406 - Rpkgd was SR57055426 - Rpkgd was SR57055422	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57055422	SR57055426	Repack
35505	SR57055507	SWB	EMPLACED_CNTR	9/25/2011 20:02	7/9/2011 9:57	mccabed	SR-W027-HBL-BOX	SS400			3/11/2011		3/11/2011				- Rpkgd was SR57055502	TRUE	FALSE	TRUE	NA		SR57055502		Daughter
35506	SR57055508	SSG	EMPLACED_CNTR	5/4/2012 12:38	7/10/2011 10:25	mccabed	SR-W027-HBL-BOX	SS400	Remediation		3/11/2011	4/1/2011	3/11/2011	4/1/2011			- Rpkgd was SR57055502 - Rpkgd into SR57055519	TRUE	FALSE	TRUE	NA				
35507	SR57055509	SSG	EMPLACED_CNTR	5/4/2012 12:38	7/10/2011 10:17	mccabed	SR-W027-HBL-BOX	SS400	Remediation		3/11/2011	3/31/2011	3/11/2011	3/31/2011			- Rpkgd was SR57055502 - Rpkgd into SR57055518	TRUE	FALSE	TRUE	NA				
35508	SR57055510	SSG	EMPLACED_CNTR	9/13/2011 22:22	7/9/2011 9:59	mccabed	SR-W027-HBL-BOX	SS400			3/11/2011		3/11/2011				- Rpkgd was SR57055502	TRUE	FALSE	TRUE	NA		SR57055502		Daughter
35509	SR57055512	SSG	EMPLACED_CNTR	6/8/2012 10:58	7/9/2011 10:01	mccabed	SR-W027-HBL-BOX	SS400			5/20/2011		5/20/2011				- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35510	SR57055514	SSG	EMPLACED_CNTR	9/25/2011 13:28	7/9/2011 10:02	mccabed	SR-W027-HBL-BOX	SS400			5/20/2011		5/20/2011				- Rpkgd was SR57055502	TRUE	FALSE	TRUE	NA		SR57055502		Daughter
35511	SR57055515	SSG	EMPLACED_CNTR	9/13/2011 22:22	7/9/2011 15:31	mccabed	SR-W027-HBL-BOX	SS400			3/11/2011		3/11/2011				- Rpkgd was SR57055502	TRUE	FALSE	TRUE	NA		SR57055502		Daughter
35512	SR57055516	SSG	EMPLACED_CNTR	9/26/2011 23:44	7/10/2011 10:18	mccabed	SR-W027-HBL-BOX	SS400	Remediation		3/11/2011	3/31/2011	3/11/2011	3/31/2011			- Rpkgd was SR57055509	TRUE	FALSE	TRUE	NA		SR57055509	SR57055502	Daughter
35513	SR57055518	SSG	EMPLACED_CNTR	9/25/2011 13:28	7/10/2011 10:17	mccabed	SR-W027-HBL-BOX	SS400	None		3/31/2011		3/31/2011				- Rpkgd was SR57055508	TRUE	FALSE	TRUE	NA		SR57055508	SR57055502	Daughter
35514	SR57055519	SSG	EMPLACED_CNTR	9/25/2011 13:28	7/10/2011 10:27	mccabed	SR-W027-HBL-BOX	SS400	None		4/1/2011		4/1/2011				- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35515	SR57055522	SSG	EMPLACED_CNTR	9/25/2011 13:28	7/9/2011 15:35	mccabed	SR-W027-HBL-BOX	SS400			5/11/2011		5/11/2011				- Rpkgd was SR57055506 - Rpkgd into SR57055553	TRUE	FALSE	TRUE	NA				
35516	SR57055524	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/1/2011 17:55	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	7/22/2011	5/11/2011	7/22/2011			- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35517	SR57055525	SSG	EMPLACED_CNTR	9/22/2011 22:19	7/10/2011 11:01	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	6/28/2011	5/11/2011	6/28/2011			- Rpkgd was SR57055506 - Rpkgd into SR57055554	TRUE	FALSE	TRUE	NA				
35518	SR57055526	SSG	EMPLACED_CNTR	10/2/2011 14:57	8/1/2011 17:57	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	7/25/2011	5/11/2011	7/25/2011			- Rpkgd was SR57055506 - Rpkgd into SR57055557	TRUE	FALSE	TRUE	NA				
35519	SR57055527	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/22/2011 15:51	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	8/16/2011	5/11/2011	8/16/2011			- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35520	SR57055528	SSG	EMPLACED_CNTR	10/1/2011 14:57	8/1/2011 17:58	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	7/25/2011	5/11/2011	7/25/2011			- Rpkgd was SR57055506 - Rpkgd into SR57055562	TRUE	FALSE	TRUE	NA				
35521	SR57055529	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/25/2011 18:21	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	8/19/2011	5/11/2011	8/19/2011			- Rpkgd was SR57055506 - Rpkgd into SR57055551	TRUE	FALSE	TRUE	NA				
35522	SR57055530	SSG	EMPLACED_CNTR	10/3/2011 20:09	7/10/2011 10:56	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	6/22/2011	5/11/2011	6/22/2011			- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35523	SR57055531	SSG	EMPLACED_CNTR	9/22/2011 22:19	7/9/2011 15:39	mccabed	SR-W027-HBL-BOX	SS400			5/11/2011		5/11/2011				- Rpkgd was SR57055508	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35524	SR57055532	SSG	EMPLACED_CNTR	10/3/2011 20:09	7/10/2011 10:44	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/11/2011	6/20/2011	5/11/2011	6/20/2011			- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35525	SR57055533	SSG	EMPLACED_CNTR	9/22/2011 22:19	7/9/2011 15:40	mccabed	SR-W027-HBL-BOX	SS400			5/11/2011		5/11/2011				- Rpkgd was SR57055506	TRUE	FALSE	TRUE	NA		SR57055506		Daughter
35526	SR57055534	SSG	EMPLACED_CNTR	9/13/2011 21:58	7/9/2011 15:41	mccabed	SR-W027-HBL-BOX	SS400			5/11/2011		5/11/2011				- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35527	SR57055540	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/16/2011 15:33	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/20/2011	8/11/2011	5/20/2011	8/11/2011			- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35528	SR57055541	SSG	EMPLACED_CNTR	11/2/2011 21:40	8/17/2011 8:43	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/20/2011	8/11/2011	5/20/2011	8/11/2011			- Rpkgd was SR57055503 - Rpkgd into SR57055560	TRUE	FALSE	TRUE	NA				
35529	SR57055542	SSG	EMPLACED_CNTR	11/3/2011 22:36	8/16/2011 15:34	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/20/2011	8/12/2011	5/20/2011	8/12/2011			- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35530	SR57055545	SSG	EMPLACED_CNTR	9/13/2011 21:56	7/9/2011 16:09	mccabed	SR-W027-HBL-BOX	SS400			5/20/2011		5/20/2011				- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35531	SR57055546	SSG	EMPLACED_CNTR	2/26/2012 13:30	9/19/2011 16:08	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/20/2011	9/12/2011	5/20/2011	9/12/2011			- Rpkgd was SR57055503 - Rpkgd into SR57055564	TRUE	FALSE	TRUE	NA				
35532	SR57055547	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/19/2011 16:11	mccabed	SR-W027-HBL-BOX	SS400	Remediation		5/20/2011	9/12/2011	5/20/2011	9/12/2011			- Rpkgd was SR57055503	TRUE	FALSE	TRUE	NA		SR57055503		Daughter
35533	SR57055548	SSG	EMPLACED_CNTR	9/15/2011 19:35	7/9/2011 16:11	mccabed	SR-W027-HBL-BOX	SS400			5/20/2011		5/20/2011				- Rpkgd was SR57055530	TRUE	FALSE	TRUE	NA		SR57055530	SR57055506	Daughter
35534	SR57055551	SSG	EMPLACED_CNTR	9/22/2011 22:19	7/19/2011 10:58	mccabed	SR-W027-HBL-BOX	SS400	None		6/22/2011		6/22/2011				- Rpkgd was SR57055524	TRUE	FALSE	TRUE	NA		SR57055524	SR57055506	Daughter
35535	SR57055553	SSG	EMPLACED_CNTR	10/3/2011 20:09	8/1/2011 17:55	mccabed	SR-W027-HBL-BOX	SS400	None		7/22/2011		7/22/2011				- Rpkgd was SR57055526	TRUE	FALSE	TRUE	NA		SR57055526	SR57055506	Daughter
35536	SR57055554	SSG	EMPLACED_CNTR	10/30/2011 10:05	8/1/2011 17:57	mccabed	SR-W027-HBL-BOX	SS400	None		7/25/2011		7/25/2011				- Rpkgd was SR57055527	TRUE	FALSE	TRUE	NA		SR57055527	SR57055506	Daughter
35537	SR57055557	SSG	EMPLACED_CNTR	10/30/2011 9:38	8/22/2011 15:51	mccabed	SR-W027-HBL-BOX	SS400	None		8/16/2011		8/16/2011				- Rpkgd was SR57055542	TRUE	FALSE	TRUE	NA		SR57055542	SR57055503	Daughter
35538	SR57055560	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/16/2011 15:34	mccabed	SR-W027-HBL-BOX	SS400	None		8/12/2011		8/12/2011				- Rpkgd was SR57055529	TRUE	FALSE	TRUE	NA		SR57055529	SR57055506	Daughter
35539	SR57055562	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/25/2011 18:21	mccabed	SR-W027-HBL-BOX	SS400	None		8/19/2011		8/19/2011				- Rpkgd was SR57055547	TRUE	FALSE	TRUE	NA		SR57055547	SR57055503	Daughter
35540	SR57055564	SSG	EMPLACED_CNTR	12/4/2011 14:20	9/19/2011 16:11	mccabed	SR-W027-HBL-BOX	SS400	Purge		9/12/2011		9/12/2011												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35541	SR5705556	SSG			10/31/2012 13:40	mccabed	SR-W027-HBL-BOX	S5400			9/12/2011	4/4/2012	9/12/2011	4/4/2012		Added per LWatson email 052112; LLW per CSoaterna email 082212; added back for random selection per CSoaterna email 082212; Exclude as LLW per BSchrock email 092412; Added back per BSchrock email 103112	Parent is SR5705556 which is already EMPLACED.	TRUE	FALSE	TRUE	NA				
35542	SR57164409	SWB	EMPLACED_CNTR	5/26/2011 18:29	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			7/12/1991	2/10/2011	7/12/1991	2/10/2011			Rpkgd into SR57164408 - SR57164402	TRUE		TRUE			SR57164402		Repack
35543	SR57164411	SWB	EMPLACED_CNTR	5/12/2011 19:36	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	2/9/2011		2/9/2011		8/4/2011	Parent Container SR57164404		TRUE	TRUE	TRUE					
35544	SR57164412	SWB	EMPLACED_CNTR	4/4/2012 15:23	7/21/2011 9:29	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	2/9/2011	7/15/2011	2/9/2011	7/15/2011		Parent Container SR57164404	- Rpkgd into SR57164442 - Rpkgd into SR57164443 - Rpkgd into SR57164444 - Rpkgd into SR57164445 - Rpkgd into SR57164446 - Rpkgd into SR57164447	TRUE	TRUE	TRUE					
35545	SR57164414	SWB	EMPLACED_CNTR	10/4/2011 23:05	6/28/2011 14:13	mccabed	SR-W027-HBL-BOX	S5400	None	0	3/1/2011	6/21/2011	3/1/2011	6/21/2011			- Rpkgd was SR57164405 - Rpkgd into SR57164427 - Rpkgd into SR57164428 - Rpkgd into SR57164429 - Rpkgd into SR57164430 - Rpkgd into SR57164431	TRUE	TRUE	TRUE					
35546	SR57164415	SSG	EMPLACED_CNTR	11/7/2011 22:37	9/14/2011 13:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/12/1991	9/8/2011	7/12/1991	9/8/2011			Rpkgd Was SR57164405	TRUE	TRUE	TRUE			SR57164405		Repack
35547	SR57164416	SSG	EMPLACED_CNTR	8/25/2011 22:03	6/28/2011 13:31	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/12/1991	4/11/2011	7/12/1991	4/11/2011			Rpkgd Was SR57164405 - Rpkgd into SR57164426	TRUE	TRUE	TRUE			SR57164405		Repack
35548	SR57164418	SWB	EMPLACED_CNTR	1/13/2012 12:53	9/26/2011 9:21	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/6/2011	9/19/2011	4/6/2011	9/19/2011			- Rpkgd was SR57164401 - Rpkgd into SR57164405 - Rpkgd into SR57164466	TRUE	TRUE	TRUE					
35549	SR57164420	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 14:18	mccabed	SR-W027-HBL-BOX	S5400		0	4/6/2011		4/6/2011				- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35550	SR57164421	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 14:18	mccabed	SR-W027-HBL-BOX	S5400		0	4/6/2011		4/6/2011				- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35551	SR57164422	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 14:19	mccabed	SR-W027-HBL-BOX	S5400		0	4/6/2011		4/6/2011				- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35552	SR57164423	SSG	EMPLACED_CNTR	1/11/2012 9:40	5/2/2011 14:19	mccabed	SR-W027-HBL-BOX	S5400		0	4/6/2011		4/6/2011				- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35553	SR57164424	SSG	EMPLACED_CNTR	8/26/2011 23:44	6/8/2011 13:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/6/2011	6/1/2011	4/6/2011	6/1/2011			- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35554	SR57164425	SSG	EMPLACED_CNTR	8/11/2011 19:34	5/2/2011 14:20	mccabed	SR-W027-HBL-BOX	S5400		0	4/6/2011		4/6/2011				- Rpkgd was SR57164401	TRUE	TRUE	TRUE			SR57164401		Repack
35555	SR57164426	SSG	EMPLACED_CNTR	8/25/2011 22:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			7/12/1991	4/11/2011	7/12/1991	4/11/2011			Rpkgd Was SR57164414 - Rpkgd Was SR57164416	TRUE	TRUE	TRUE			SR57164416	SR57164414	Daughter
35556	SR57164427	SSG	EMPLACED_CNTR	11/16/2011 11:02	7/6/2011 17:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/21/2011	6/30/2011	6/21/2011	6/30/2011			- Rpkgd was SR57164414	TRUE	TRUE	TRUE			SR57164414	SR57164405	Repack
35557	SR57164428	SSG	EMPLACED_CNTR	11/16/2011 8:51	7/6/2011 17:09	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/21/2011	7/1/2011	6/21/2011	7/1/2011			- Rpkgd was SR57164414 - Rpkgd into SR57164433	TRUE	TRUE	TRUE					
35558	SR57164429	SSG	EMPLACED_CNTR	9/21/2011 22:20	7/10/2011 10:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/21/2011	7/6/2011	6/21/2011	7/6/2011			- Rpkgd was SR57164414	TRUE	TRUE	TRUE			SR57164414		Daughter
35559	SR57164430	SSG	EMPLACED_CNTR	9/21/2011 22:20	7/10/2011 10:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/21/2011	7/5/2011	6/21/2011	7/5/2011			- Rpkgd was SR57164414	TRUE	TRUE	TRUE			SR57164414		Daughter
35560	SR57164432	SSG	EMPLACED_CNTR	9/21/2011 22:20	7/26/2011 9:19	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/6/2011	7/21/2011	7/6/2011	7/21/2011			- Rpkgd was SR57164413	TRUE	TRUE	TRUE			SR57164413		Daughter
35561	SR57164433	SSG	EMPLACED_CNTR	11/16/2011 8:53	7/6/2011 17:09	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/1/2011		7/1/2011				- Rpkgd was SR57164428	TRUE	TRUE	TRUE			SR57164428	SR57164414	Daughter
35562	SR57164434	SSG	EMPLACED_CNTR	9/21/2011 22:20	7/26/2011 9:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/6/2011	7/21/2011	7/6/2011	7/21/2011			- Rpkgd was SR57164413	TRUE	TRUE	TRUE			SR57164413		Daughter
35563	SR57164435	SSG	EMPLACED_CNTR	10/4/2011 18:51	7/26/2011 9:21	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/6/2011	7/21/2011	7/6/2011	7/21/2011			- Rpkgd was SR57164413	TRUE	TRUE	TRUE			SR57164413		Daughter
35564	SR57164439	SSG	EMPLACED_CNTR	9/25/2011 9:13	7/19/2011 10:37	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/5/2011		7/5/2011				- Rpkgd was SR57164431	TRUE	TRUE	TRUE			SR57164431	SR57164414	Daughter
35565	SR57164440	SSG	EMPLACED_CNTR	10/30/2011 10:06	8/8/2011 15:08	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/20/2011	8/5/2011	7/20/2011	8/5/2011			- Rpkgd was SR57164407	TRUE	FALSE	TRUE			SR57164407	SR57164402	Repack
35566	SR57164441	SSG	EMPLACED_CNTR	12/11/2011 11:05	8/10/2011 9:12	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/5/2011	7/22/2011	8/5/2011			- Rpkgd was SR57164408	TRUE	FALSE	TRUE			SR57164408	SR57164402	Repack
35567	SR57164442	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/8/2011 10:57	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/3/2011	7/15/2011	8/3/2011			- Rpkgd was SR57164412	TRUE	TRUE	TRUE			SR57164412		Daughter
35568	SR57164443	SSG	EMPLACED_CNTR	10/30/2011 9:38	8/8/2011 10:58	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/3/2011	7/15/2011	8/3/2011			- Rpkgd was SR57164412 - Rpkgd into SR57164457	TRUE	TRUE	TRUE					
35569	SR57164445	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/9/2011 15:03	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/3/2011	7/15/2011	8/3/2011			- Rpkgd was SR57164412 - Rpkgd into SR57164458	TRUE	TRUE	TRUE					
35570	SR57164446	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/9/2011 15:05	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/3/2011	7/15/2011	8/3/2011			- Rpkgd was SR57164412 - Rpkgd into SR57164459	TRUE	TRUE	TRUE					
35571	SR57164447	SSG	EMPLACED_CNTR	10/30/2011 10:06	8/9/2011 15:05	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/15/2011	8/4/2011	7/15/2011	8/4/2011			- Rpkgd was SR57164412	TRUE	TRUE	TRUE			SR57164412		Daughter
35572	SR57164449	SSG	EMPLACED_CNTR	10/30/2011 10:06	8/10/2011 9:14	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/20/2011	8/5/2011	7/20/2011	8/5/2011			- Rpkgd was SR57164407	TRUE	FALSE	TRUE			SR57164407		Daughter
35573	SR57164450	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/10/2011 9:16	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/20/2011	8/5/2011	7/20/2011	8/5/2011			- Rpkgd was SR57164407 - Rpkgd into SR57164460	TRUE	FALSE	TRUE					
35574	SR57164452	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/10/2011 9:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/5/2011	7/22/2011	8/5/2011			- Rpkgd was SR57164408	TRUE	FALSE	TRUE			SR57164408		Daughter
35575	SR57164453	SSG	EMPLACED_CNTR	10/30/2011 9:38	8/11/2011 10:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/8/2011	7/22/2011	8/8/2011			- Rpkgd was SR57164408 - Rpkgd into SR57164461	TRUE	FALSE	TRUE					
35576	SR57164454	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/11/2011 10:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/8/2011	7/22/2011	8/8/2011			- Rpkgd was SR57164408	TRUE	FALSE	TRUE			SR57164408		Daughter
35577	SR57164455	SSG	EMPLACED_CNTR	2/18/2012 9:42	8/11/2011 10:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/8/2011	7/22/2011	8/8/2011			- Rpkgd was SR57164408	TRUE	FALSE	TRUE			SR57164408		Daughter
35578	SR57164456	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/11/2011 10:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation		7/22/2011	8/8/2011	7/22/2011	8/8/2011			- Rpkgd was SR57164408	TRUE	FALSE	TRUE			SR57164408		Daughter
35579	SR57164457	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/8/2011 10:58	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/3/2011		8/3/2011				- Rpkgd was SR57164443	TRUE	TRUE	TRUE			SR57164443	SR57164412	Daughter
35580	SR57164458	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/9/2011 15:03	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/3/2011		8/3/2011				- Rpkgd was SR57164445	TRUE	TRUE	TRUE			SR57164445	SR57164412	Daughter
35581	SR57164459	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/9/2011 15:05	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/3/2011		8/3/2011				- Rpkgd was SR57164446	TRUE	TRUE	TRUE			SR57164446	SR57164412	Daughter
35582	SR57164460	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/10/2011 9:16	mccabed	SR-W027-HBL-BOX	S5400	None		8/5/2011		8/5/2011				- Rpkgd was SR57164450	TRUE	FALSE	TRUE			SR57164450	SR57164407	Daughter
35583	SR57164461	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/11/2011 10:32	mccabed	SR-W027-HBL-BOX	S5400	None		8/8/2011		8/8/2011				- Rpkgd was SR57164453	TRUE	FALSE	TRUE			SR57164453	SR57164408	Daughter
35584	SR57164465	SSG	EMPLACED_CNTR	12/4/2011 14:20	9/26/2011 9:21	mccabed	SR-W027-HBL-BOX	S5400	None	0	9/19/2011		9/19/2011				- Rpkgd was SR57164418	TRUE	TRUE	TRUE			SR57164418	SR57164401	Repack
35585	SR57164466	SSG	EMPLACED_CNTR	1/8/2012 14:22	11/10/2011 11:51	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/19/2011	11/4/2011	9/19/2011	11/4/2011			- Rpkgd was SR57164418	TRUE	TRUE	TRUE			SR57164418		Daughter
35586	SR57167701	SLB2	EMPLACED_CNTR	10/4/2012 10:38	11/17/2011 17:09	mccabed	SR-W027-HBL-BOX	S5400		0	12/20/2006		12/20/2006	11/3/2011		Filter Reduction Date: 11/3/2011; Reduced Filter Model: NFT-013.		TRUE	TRUE	TRUE					
35587	SR57167702	SLB2	APPROVED_CERT		10/15/2012 16:13	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/9/2012		7/9/2012	10/2/2012		Filter reconfiguration date: 10/2/2012; Reduced filter model: NFT-013	- Rpkgd into SR57167707	TRUE	TRUE	TRUE					
35588	SR57167706	SLB2	EMPLACED_CNTR	6/12/2012 10:33	2/15/2012 17:06	mccabed	SR-W027-HBL-BOX	S5400		0	12/20/2006		12/20/2006	2/3/2012		Filter Reduction Date: 2/3/2012; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE					
35589	SR57167707	SSG	EMPLACED_CNTR	11/4/2012 12:45	7/23/2012 16:26	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/9/2012	7/17/2012	7/9/2012	7/17/2012		221-F-55036 Tru Drum Repackaging	- Rpkgd was SR57167702	TRUE	TRUE	TRUE			SR57167702		Daughter
35590	SR57169301	SWB	EMPLACED_CNTR	4/1/2012 10:35	5/30/2012 15:08	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/27/2010	5/8/2012	7/27/2010	5/8/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; 221-F-55078 Tru Waste Container Remediation	- Rpkgd into SR57169319 - Rpkgd into SR57169320	TRUE	TRUE	TRUE	Yes	10/13/2005			
35591	SR57169302	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	7/27/2010		7/27/2010		1/19/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35592	SR57169303	SWB			4/14/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	7/27/2010		7/27/2010		1/19/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35593	SR57169304	SWB	EMPLACED_CNTR	3/16/2012 15:25	11/23/2011 9:50	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/27/2010	11/16/2011	7/27/2010	11/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57169329	TRUE	TRUE	TRUE	Yes	10/13/2005			
35594	SR57169305	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	7/27/2010		7/27/2010		1/19/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35595	SR57169308	SWB	EMPLACED_CNTR	6/2/2012 12:59	11/23/2011 9:49	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/27/2010	11/17/2011	7/27/2010	11/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57169328	TRUE	TRUE	TRUE	Yes	10/13/2005			
35596	SR57169309	SWB	EMPLACED_CNTR	3/10/2011 22:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	7/29/2010		7/29/2010		1/21/2011	WWIS_Status:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					
35597	SR57169311	SWB	EMPLACED_CNTR	8/20/2011 13:31	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	7/29/2010		7/29/2010		1/21/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35598	SR57169313	SWB	EMPLACED_CNTR	3/9/2011 22:04	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	7/29/2010		7/29/2010		1/21/2011	WWIS_Status:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35599	SR57169314	SWB	EMPLACED_CNTR	3/12/2011 10:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	7/29/2010		7/29/2010		1/21/2011	WWIS_Status:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					
35600	SR57169315	SWB			4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	7/29/2010		7/29/2010		1/21/2011	PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35601	SR57169316	SWB	EMPLACED_CNTR	5/18/2012 13:46	3/15/2012 21:27	mccabed	SR-WO27-HBL-BOX	SS400		0	7/29/2010	2/1/2012	7/29/2010	2/1/2012		PCB Waste PCB Bulk Product Waste - Non Leachable: SW15.3-SOP-CEL11-C3 Cell 11 TRu Repacking Operation; 221-F-S5078	- Rpkgd into SR57169331	TRUE	TRUE	TRUE	Yes	10/13/2005			
35602	SR57169317	SSG	EMPLACED_CNTR	3/3/2012 14:35	5/25/2011 17:42	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		7/27/2010	5/23/2011	7/27/2010	5/23/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd Was SR57169306	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169306		Repack
35603	SR57169318	SSG	EMPLACED_CNTR	4/26/2013 14:53	5/22/2012 16:15	mccabed	SR-WO27-HBL-BOX	SS400			5/23/2011		5/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable: Added per LWatson email 052112; may contain prohibited items	Parent is SR57169317 which is already EMPLACED	TRUE	FALSE	TRUE	Yes	10/13/2005			
35604	SR57169328	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/18/2012 18:08	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	11/17/2011	1/10/2012	11/17/2011	1/10/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169308	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169308		Daughter
35605	SR57169329	SSG	EMPLACED_CNTR	5/11/2012 14:42	2/15/2012 11:23	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	11/16/2011	1/10/2012	11/16/2011	1/10/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169304	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169304		Daughter
35606	SR57169330	SSG	EMPLACED_CNTR	4/11/2012 15:02	10/21/2011 8:10	mccabed	SR-WO27-HBL-BOX	SS400		0	10/4/2011		10/4/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	#NAME?	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169306		Daughter
35607	SR57169331	SSG	EMPLACED_CNTR	7/10/2012 10:48	4/26/2012 16:12	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	2/1/2012	4/19/2012	2/1/2012	4/19/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169316	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169316		Daughter
35608	SR57169401	SLB2	EMPLACED_CNTR	6/30/2013 14:08	5/1/2012 19:53	mccabed	SR-WO27-HBL-BOX	SS400		0	9/20/2006		9/20/2006	4/13/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; updated per JBiedscheid email 050112. Filter reconfiguration date: 4/13/12; Reduced filter model NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35609	SR57169405	SLB2	APPROVED_CERT		8/27/2012 18:15	mccabed	SR-WO27-HBL-BOX	SS400		0	9/20/2006		9/20/2006	7/24/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Filter reconfiguration date: 7/24/2012; Reduced filter model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35610	SR57169406	SLB2	EMPLACED_CNTR	8/5/2012 10:43	8/17/2011 13:36	mccabed	SR-WO27-HBL-BOX	SS400		0	9/20/2006		9/20/2006	5/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable;Filter Reduction Date: 5/17/2011; Reduced Filter Model: NFT-013 Permit-Only VentDate1: 7/7/2011		TRUE	TRUE	TRUE	Yes	10/13/2005			
35611	SR57169409	SWB	EMPLACED_CNTR	3/27/2011 14:27	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/5/2010		12/5/2010		5/30/2011	Repackaged from SR57169402		TRUE	TRUE	TRUE					
35612	SR57169410	SWB	EMPLACED_CNTR	3/30/2011 19:07	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/5/2010		12/5/2010		5/30/2011	Repackaged from SR57169402 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35613	SR57169411	SWB	EMPLACED_CNTR	12/1/2011	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	1/8/2011		1/8/2011		7/3/2011	Parent Container SR57169404		TRUE	TRUE	TRUE					
35614	SR57169412	SWB	EMPLACED_CNTR	5/25/2011 22:43	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	1/8/2011		1/8/2011		7/3/2011	Parent Container SR57169404 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35615	SR57169414	SWB	EMPLACED_CNTR	4/21/2011 19:46	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	1/8/2011		1/8/2011		7/3/2011	Parent Container SR57169403 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35616	SR57169415	SWB	EMPLACED_CNTR	5/26/2011 18:48	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	1/19/2011		1/19/2011		7/14/2011	Parent Container SR57169403, Changed to Non-PCB/E-mail J.Price 10/3/11, 221-F-S5078	- Rpkgd into SR57169440	TRUE	TRUE	TRUE	NA				
35617	SR57169417	SWB	APPROVED_SHIP		3/15/2012 21:30	mccabed	SR-WO27-HBL-BOX	SS400		0	1/19/2011	2/28/2012	1/19/2011	2/28/2012		Parent Container SR57169403 PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169416 - Rpkgd into SR57169425	TRUE	TRUE	TRUE	Yes	10/13/2005			
35618	SR57169418	SWB	EMPLACED_CNTR	8/16/2011 18:34	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	1/19/2011		1/19/2011		7/14/2011	PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169416	TRUE	TRUE	TRUE	Yes	10/13/2005			
35619	SR57169419	SSG	EMPLACED_CNTR	9/13/2011 22:21	6/28/2011 15:35	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/12/2011	6/17/2011	6/12/2011	6/17/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169416	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169416		Daughter
35620	SR57169420	SSG	EMPLACED_CNTR	9/13/2011 21:54	6/28/2011 15:33	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/12/2011	6/17/2011	6/12/2011	6/17/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169416	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169416		Daughter
35621	SR57169421	SSG	EMPLACED_CNTR	9/13/2011 22:21	6/28/2011 15:33	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/12/2011	6/17/2011	6/12/2011	6/17/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169416	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169416		Daughter
35622	SR57169422	SSG	EMPLACED_CNTR	1/11/2012 9:40	6/28/2011 15:31	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/12/2011	6/17/2011	6/12/2011	6/17/2011		Changed to Non-PCB/E-mail J. Price 8/18/11	- Rpkgd was SR57169416	TRUE	TRUE	TRUE			SR57169416		Daughter
35623	SR57169423	SSG	EMPLACED_CNTR	1/7/2012 8:51	9/27/2011 16:53	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/17/2011		6/17/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169419	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169419	SR57169416	Daughter
35624	SR57169425	SSG	EMPLACED_CNTR	9/25/2011 9:13	6/28/2011 15:35	mccabed	SR-WO27-HBL-BOX	SS400	None	0	6/24/2011		6/24/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169408	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169408		Daughter
35625	SR57169429	SSG	EMPLACED_CNTR	9/25/2011 9:13	7/13/2011 10:11	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/24/2011	7/8/2011	6/24/2011	7/8/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169408	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169408		Daughter
35626	SR57169430	SSG	EMPLACED_CNTR	9/26/2011 23:44	7/13/2011 10:12	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/24/2011	7/8/2011	6/24/2011	7/8/2011			- Rpkgd was SR57169408	TRUE	TRUE	TRUE			SR57169408		Daughter
35627	SR57169431	SSG	EMPLACED_CNTR	1/8/2012 14:22	7/13/2011 10:14	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/24/2011	7/8/2011	6/24/2011	7/8/2011			- Rpkgd was SR57169408 - Rpkgd into SR57169439	TRUE	TRUE	TRUE	Yes	10/13/2005			
35628	SR57169432	SSG	EMPLACED_CNTR	9/26/2011 23:44	7/13/2011 10:15	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/24/2011	7/8/2011	6/24/2011	7/8/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169413	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57169413		Daughter
35629	SR57169434	SSG	EMPLACED_CNTR	5/30/2012 9:02	3/26/2012 16:58	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	7/6/2011	3/19/2012	7/6/2011	3/19/2012		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57169413	TRUE	TRUE	TRUE	NA		SR57169413		Daughter
35630	SR57169435	SSG	EMPLACED_CNTR	9/21/2012 13:21	2/29/2012 19:41	mccabed	SR-WO27-HBL-BOX	SS400	None	0	7/6/2011		7/6/2011			Changed to Non-PCB/E-mail J. Price 9/12/11	- Rpkgd was SR57169432	TRUE	TRUE	TRUE	NA		SR57169432	SR57169408	Daughter
35631	SR57169439	SSG	EMPLACED_CNTR	10/5/2011 18:16	9/27/2011 17:07	mccabed	SR-WO27-HBL-BOX	SS400	None	0	7/8/2011		7/8/2011			Changed to Non-PCB/E-mail J. Price 9/12/11									
35632	SR57170704	SLB2	APPROVED_CERT		8/1/2011 18:59	mccabed	SR-WO27-HBL-BOX	SS400		0	11/16/2006		11/16/2006	6/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable;Filter Reduction Date: 6/16/2011Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35633	SR57170709	SWB	EMPLACED_CNTR	5/11/2011 18:50	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	12/20/2010		12/20/2010		6/14/2011	Repackaged from SR57170706 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35634	SR57170710	SWB	EMPLACED_CNTR	7/31/2011 12:16	5/10/2011 12:27	morrisj	SR-WO27-HBL-BOX	SS400		0	12/20/2010		12/20/2010		6/14/2011	Repackaged from SR57170706 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35635	SR57170711	SWB	EMPLACED_CNTR	5/16/2011 20:09	4/28/2011 6:00	kdcwebuser	SR-WO27-HBL-BOX	SS400		0	12/22/2010		12/22/2010		6/16/2011	Repackaged from SR57170703 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35636	SR57170713	SWB	EMPLACED_CNTR	4/21/2011 10:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/22/2010		12/22/2010		6/16/2011	Repackaged from SR57170703 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35637	SR57170715	SWB	EMPLACED_CNTR	3/31/2011 22:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/27/2010		12/27/2010		6/21/2011	Repackaged from SR57170702 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35638	SR57170717	SWB	EMPLACED_CNTR	4/4/2011 19:30	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/27/2010		12/27/2010		6/21/2011	Repackaged from SR57170702 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35639	SR57170718	SWB	EMPLACED_CNTR	8/18/2012 13:57	5/6/2012 12:03	mccabed	SR-WO27-HBL-BOX	SS400		0	12/27/2010	4/26/2012	12/27/2010	4/26/2012		Repackaged from SR57170702 PCB Bulk Product Waste - Non Leachable; Cell 11 TRu Repackaging Operation SW15.3-SOP-CEL11-03	- Rpkgd into SR57170736	TRUE	TRUE	TRUE	Yes	10/13/2005			
35640	SR57170720	SWB	EMPLACED_CNTR	3/31/2011 22:17	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/29/2010		12/29/2010		6/23/2011	Repackaged from SR57170701 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35641	SR57170721	SWB	EMPLACED_CNTR	3/31/2011 19:31	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/29/2010		12/29/2010		6/23/2011	Repackaged from SR57170701 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35642	SR57170722	SWB	EMPLACED_CNTR	3/31/2011 19:31	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WO27-HBL-BOX	SS400		0	12/29/2010		12/29/2010		6/23/2011	Repackaged from SR57170701 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE			SR57170712		Daughter
35643	SR57170723	SSG	EMPLACED_CNTR	1/4/2012 14:23	7/1/2011 11:22	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	6/16/2011	6/24/2011	6/16/2011	6/24/2011			- Rpkgd was SR57170712	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170705		Daughter
35644	SR57170724	SWB	EMPLACED_CNTR	9/26/2012 21:55	7/9/2011 16:13	mccabed	SR-WO27-HBL-BOX	SS400		0	6/21/2011		6/21/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170705	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170705		Daughter
35645	SR57170725	SWB	EMPLACED_CNTR	10/4/2011 23:07	7/9/2011 16:14	mccabed	SR-WO27-HBL-BOX	SS400		0	6/21/2011		6/21/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170705	TRUE	TRUE	TRUE			SR57170705		Daughter
35646	SR57170726	SSG	EMPLACED_CNTR	1/8/2012 14:23	7/9/2011 16:14	mccabed	SR-WO27-HBL-BOX	SS400		0	6/21/2011		6/21/2011												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35647	SR57170727	SSG	EMPLACED_CNTR	4/11/2012 15:02	9/8/2011 13:31	mccabed	SR-W027-HBL-BOX	SS400		0	6/21/2011		6/21/2011				- Rpkgd was SR57170705	TRUE	TRUE	TRUE	NA		SR57170705		Daughter
35648	SR57170728	SSG	EMPLACED_CNTR	12/14/2011 13:49	11/1/2011 13:40	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/11/2011	10/27/2011	6/21/2011	10/27/2011			- Rpkgd was SR57170705	TRUE	TRUE	TRUE			SR57170705		Daughter
35649	SR57170729	SSG	EMPLACED_CNTR	1/8/2012 14:22	7/1/2011 11:23	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/16/2011	6/25/2011	6/16/2011	6/25/2011			- Rpkgd was SR57170712	TRUE	TRUE	TRUE			SR57170712		Daughter
35650	SR57170730	SSG	EMPLACED_CNTR	11/16/2011 11:02	7/1/2011 11:24	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/16/2011	6/25/2011	6/16/2011	6/25/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170732	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170732		Daughter
35651	SR57170731	SSG	EMPLACED_CNTR	9/13/2011 21:58	7/1/2011 11:34	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	6/16/2011	6/27/2011	6/16/2011	6/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170712	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170712		Daughter
35652	SR57170733	SSG	EMPLACED_CNTR	10/3/2011 20:09	8/1/2011 18:05	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/7/2011	7/26/2011	7/7/2011	7/26/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170716	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170716		Daughter
35653	SR57170734	SSG	EMPLACED_CNTR	9/25/2011 9:13	8/1/2011 18:04	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/7/2011	7/26/2011	7/7/2011	7/26/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170716	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170716		Daughter
35654	SR57170735	SSG	EMPLACED_CNTR	10/3/2011 20:11	8/1/2011 18:07	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/7/2011	7/17/2011	7/7/2011	7/17/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170716 - Rpkgd into SR57170747	TRUE	TRUE	TRUE	Yes	10/13/2005			Daughter
35655	SR57170736	SWB	EMPLACED_CNTR	8/1/2012 14:20	6/11/2012 14:51	mccabed	SR-W027-HBL-BOX	SS400		0	4/26/2012		4/26/2012			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170718	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170718		Daughter
35656	SR57170738	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/8/2011 10:38	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/8/2011	7/30/2011	7/8/2011	7/30/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170708	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170708		Daughter
35657	SR57170739	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/8/2011 10:38	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/8/2011	7/29/2011	7/8/2011	7/29/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170708	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170708		Daughter
35658	SR57170740	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/8/2011 10:38	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	7/8/2011	7/30/2011	7/8/2011	7/30/2011			- Rpkgd was SR57170719	TRUE	TRUE	TRUE			SR57170719		Daughter
35659	SR57170743	SSG	EMPLACED_CNTR	11/7/2011 12:37	9/1/2011 15:23	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	8/4/2011	8/30/2011	8/4/2011	8/30/2011			- Rpkgd was SR57170719	TRUE	TRUE	TRUE			SR57170719		Daughter
35660	SR57170744	SSG	EMPLACED_CNTR	12/16/2011 13:49	9/6/2011 7:46	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	8/4/2011	8/30/2011	8/4/2011	8/30/2011			- Rpkgd was SR57170719	TRUE	TRUE	TRUE			SR57170719		Daughter
35661	SR57170745	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/9/2011 16:05	mccabed	SR-W027-HBL-BOX	SS400	None	0	8/4/2011		8/4/2011				- Rpkgd was SR57170719	TRUE	TRUE	TRUE			SR57170719		Daughter
35662	SR57170746	SSG	EMPLACED_CNTR	5/11/2012 14:42	8/9/2011 16:06	mccabed	SR-W027-HBL-BOX	SS400	None	0	8/4/2011		8/4/2011				- Rpkgd was SR57170735	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170735	SR57170716	Daughter
35663	SR57170747	SSG	EMPLACED_CNTR	10/30/2011 13:05	8/1/2011 18:07	mccabed	SR-W027-HBL-BOX	SS400	None	0	7/27/2011		7/27/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170719	TRUE	TRUE	TRUE			SR57170719		Daughter
35664	SR57170748	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/9/2011 16:06	mccabed	SR-W027-HBL-BOX	SS400	None	0	8/4/2011		8/4/2011												
35665	SR57170804	SLB2	EMPLACED_CNTR	8/14/2012 13:13	8/17/2011 13:40	mccabed	SR-W027-HBL-BOX	SS400		0	12/7/2005		12/7/2005	8/11/2011		PCB Waste PCB Bulk Product Waste - Non Leachable; Filter Reduction Date: 8/11/2011; Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35666	SR57170807	SWB	EMPLACED_CNTR	3/30/2011 19:07	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/3/2010		12/3/2010	5/28/2011		Repackaged from SR57170803 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35667	SR57170808	SWB	EMPLACED_CNTR	3/2/2012 12:47	9/8/2011 16:32	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	12/3/2010	8/31/2011	12/3/2010	8/31/2011		Repackaged from SR57170803	- Rpkgd into SR57170854 - Rpkgd into SR57170855 - Rpkgd into SR57170858	TRUE	TRUE	TRUE					
35668	SR57170809	SWB	EMPLACED_CNTR	4/3/2012 15:06	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/3/2010		12/3/2010	5/28/2011		Repackaged from SR57170803 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35669	SR57170810	SWB	EMPLACED_CNTR	5/12/2012 13:28	10/28/2011 10:58	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	12/3/2010	10/25/2011	12/3/2010	10/25/2011		Repackaged from SR57170803; Changed to Non-PCB/E-mail J. Price 09/13/13	- Rpkgd into SR57170834	TRUE	TRUE	TRUE	NA				
35670	SR57170811	SWB	EMPLACED_CNTR	5/8/2012 13:40	1/11/2012 14:04	mccabed	SR-W027-HBL-BOX	SS400	None	0	12/16/2010	1/5/2012	12/16/2010	1/5/2012		Repackaged from SR57170805 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57170822 - Rpkgd into SR57170853	TRUE	TRUE	TRUE	Yes	10/13/2005			
35671	SR57170812	SWB	EMPLACED_CNTR	4/9/2011 10:20	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/16/2010		12/16/2010	6/10/2011		Repackaged from SR57170805 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35672	SR57170813	SWB	EMPLACED_CNTR	6/10/2012 10:29	4/3/2012 17:28	mccabed	SR-W027-HBL-BOX	SS400		0	12/16/2010	3/21/2012	12/16/2010	3/21/2012		Repackaged from SR57170805 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35673	SR57170814	SWB	EMPLACED_CNTR	3/30/2011 18:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	SS400		0	12/16/2010		12/16/2010	6/10/2011		Repackaged from SR57170805 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35674	SR57170815	SWB	EMPLACED_CNTR	4/10/2012 15:09	11/23/2011 9:42	mccabed	SR-W027-HBL-BOX	SS400		0	4/21/2011	11/17/2011	4/21/2011	11/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170801	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170801		Repack
35675	SR57170816	SWB	EMPLACED_CNTR	9/10/2011 13:27	5/2/2011 14:21	mccabed	SR-W027-HBL-BOX	SS400		0	4/21/2011		4/21/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170801	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170801		Repack
35676	SR57170817	SSG	EMPLACED_CNTR	8/15/2011 23:33	5/2/2011 14:22	mccabed	SR-W027-HBL-BOX	SS400		0	4/21/2011		4/21/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170801	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170801		Repack
35677	SR57170818	SSG	EMPLACED_CNTR	2/17/2012 16:08	9/8/2011 13:39	mccabed	SR-W027-HBL-BOX	SS400		0	4/21/2011		4/21/2011				- Rpkgd was SR57170801	TRUE	TRUE	TRUE	NA		SR57170801		Repack
35678	SR57170819	SSG	EMPLACED_CNTR	12/16/2011 13:49	9/8/2011 14:51	mccabed	SR-W027-HBL-BOX	SS400		0	4/21/2011		4/21/2011				- Rpkgd was SR57170801	TRUE	TRUE	TRUE	NA		SR57170801		Repack
35679	SR57170820	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/15/2011 8:52	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	4/21/2011	6/10/2011	4/21/2011	6/10/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170801	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170801		Repack
35680	SR57170821	SSG	EMPLACED_CNTR	2/17/2012 16:09	11/1/2011 13:40	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	4/21/2011	10/27/2011	4/21/2011	10/27/2011			- Rpkgd was SR57170801	TRUE	TRUE	TRUE			SR57170801		Repack
35681	SR57170822	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/8/2011 16:52	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/11/2011	5/27/2011	5/11/2011	5/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170811	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170811		Daughter
35682	SR57170823	SWB	EMPLACED_CNTR	10/4/2011 18:49	6/2/2011 9:29	mccabed	SR-W027-HBL-BOX	SS400		0	5/12/2011		5/12/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35683	SR57170824	SWB	EMPLACED_CNTR	3/15/2012 15:30	12/7/2011 15:54	mccabed	SR-W027-HBL-BOX	SS400		0	5/12/2011	11/30/2011	5/12/2011	11/30/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	#NAME?	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35684	SR57170826	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/2/2011 9:38	mccabed	SR-W027-HBL-BOX	SS400		0	5/12/2011		5/12/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35685	SR57170828	SSG	EMPLACED_CNTR	4/11/2013 15:07	6/2/2011 9:39	mccabed	SR-W027-HBL-BOX	SS400		0	5/12/2011		5/12/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35686	SR57170831	SSG	EMPLACED_CNTR	8/25/2011 22:03	6/2/2011 9:41	mccabed	SR-W027-HBL-BOX	SS400		0	5/12/2011		5/12/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35687	SR57170832	SSG	EMPLACED_CNTR	9/25/2011 9:13	7/14/2011 16:22	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/12/2011	7/13/2011	5/12/2011	7/13/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35688	SR57170833	SSG	EMPLACED_CNTR	11/2/2011 21:40	8/25/2011 18:22	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/12/2011	8/19/2011	5/12/2011	8/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170802	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170802		Daughter
35689	SR57170834	SSG	EMPLACED_CNTR	11/4/2012 10:04	1/18/2012 17:39	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	10/25/2011	1/11/2012	10/25/2011	1/11/2012			- Rpkgd was SR57170810	TRUE	TRUE	TRUE	NA		SR57170810		Daughter
35690	SR57170838	SWB	EMPLACED_CNTR	10/30/2012 10:36	2/21/2012 10:36	mccabed	SR-W027-HBL-BOX	SS400		0	5/15/2011	2/14/2012	5/15/2011	2/14/2012		PCB Waste PCB Bulk Product Waste - Non Leachable; Cell 11 Tru Repacking Operation	- Rpkgd was SR57170806	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170806		Daughter
35691	SR57170839	SWB	EMPLACED_CNTR	9/14/2011 22:53	6/2/2011 9:44	mccabed	SR-W027-HBL-BOX	SS400		0	5/15/2011		5/15/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170806	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170806		Daughter
35692	SR57170845	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/19/2011 16:13	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/15/2011	9/12/2011	5/15/2011	9/12/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170806	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170806		Daughter
35693	SR57170846	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/14/2011 13:29	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/15/2011	9/7/2011	5/15/2011	9/7/2011			- Rpkgd was SR57170806	TRUE	TRUE	TRUE			SR57170806		Daughter
35694	SR57170847	SSG	EMPLACED_CNTR	3/31/2012 15:25	9/8/2011 14:58	mccabed	SR-W027-HBL-BOX	SS400		0	5/15/2011		5/15/2011				- Rpkgd was SR57170806	TRUE	TRUE	TRUE	NA		SR57170806		Daughter
35695	SR57170848	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/2/2011 9:48	mccabed	SR-W027-HBL-BOX	SS400		0	5/15/2011		5/15/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170806	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170806		Daughter
35696	SR57170853	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/1/2011 10:31	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/11/2011	5/25/2011	5/11/2011	5/25/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	#NAME?	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170811		Daughter
35697	SR57170855	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/1/2011 10:33	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	5/19/2011	5/25/2011	5/19/2011	5/25/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57170808	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57170808	SR57170803	Daughter
35698	SR57170858	SSG	EMPLACED_CNTR	3/3/2012 14:35	9/19/2011 16:08	mccabed	SR-W027-HBL-BOX	SS400	Remediation	0	8/31/2011	9/13/2011	8/31/2011	9/13/2011			- Rpkgd was SR57170808	TRUE	TRUE	TRUE			SR57170808		Daughter
35699	SR57170901	SWB	EMPLACED_CNTR	5/12/2012 10:40	1/1/2012 13:20	mccabed	SR-W027-HBL-BOX	SS400		0	10/23/2010	2/1/2012	10/23/2010	2/1/2012		Repackaged from SR57170709; Cell 11 Tru Repacking Operation SW13.3-SOP-CELL11-03	- Rpkgd was SR57170920 - Rpkgd into SR57170922 - Rpkgd into SR57170923 - Rpkgd into SR57170941	TRUE	TRUE	TRUE					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35700	SR57170902	SWB	EMPLACED_CNTR	12/1/2011	9/1/2011 13:16	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/23/2010	8/26/2011	10/23/2010	8/26/2011		Repackaged from SR57170	- Rpkgd into SR57170931 - Rpkgd into SR57170932 - Rpkgd into SR57170933 - Rpkgd into SR57170934 - Rpkgd into SR57170935 - Rpkgd into SR57170936 - Rpkgd into SR57170937 - Rpkgd into SR57170938	TRUE	TRUE	TRUE					
35701	SR57170903	SWB	EMPLACED_CNTR	7/13/2012 13:12	4/4/2012 8:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/23/2010	4/2/2012	10/23/2010	4/2/2012		Repackaged from SR57170 Cell 11 Tru Repacking Operation SW15 3-SOP-CEL11-03	- Rpkgd into SR57170921 - Rpkgd into SR57170928	TRUE	TRUE	TRUE					
35702	SR57170905	SWB	APPROVED_CERT		6/26/2012 15:09	mccabed	SR-W027-HBL-BOX	S5400		0	10/28/2010	6/19/2012	10/23/2010	6/19/2012		Repackaged from SR57170 221-F-55078 Tru Waste Container Remediation	- Rpkgd into SR57170925 - Rpkgd into SR57170927 - Rpkgd into SR57170942 - Rpkgd into SR57170943 - Rpkgd into SR57170944 - Rpkgd into SR57170945	TRUE	TRUE	TRUE					
35703	SR57170906	SWB			4/26/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/23/2010		10/23/2010		4/17/2011	Repackaged from SR57170		TRUE	TRUE	TRUE					
35704	SR57170907	SWB	EMPLACED_CNTR	3/24/2011 19:55	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/23/2010		10/23/2010		4/17/2011	Repackaged from SR57170		TRUE	TRUE	TRUE					
35705	SR57170908	SWB	EMPLACED_CNTR	3/16/2011 19:12	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/23/2010		10/23/2010		4/17/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35706	SR57170909	SWB	EMPLACED_CNTR	3/29/2011 13:05	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/23/2010		10/23/2010		4/17/2011	Repackaged from SR57170		TRUE	TRUE	TRUE					
35707	SR57170910	SWB	EMPLACED_CNTR	3/19/2011 9:28	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/23/2010		10/23/2010		4/17/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35708	SR57170911	SSG	EMPLACED_CNTR	9/3/2011 9:41	5/17/2011 17:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/23/2010	5/11/2011	10/23/2010	5/11/2011		Repackaged from SR57170	- Rpkgd into SR57170929	TRUE	TRUE	TRUE					
35709	SR57170912	SWB	EMPLACED_CNTR	8/18/2012 13:59	10/6/2011 15:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/26/2010	9/21/2011	10/26/2010	9/21/2011		Repackaged from SR57170	- Rpkgd into SR57170939	TRUE	TRUE	TRUE					
35710	SR57170913	SWB	EMPLACED_CNTR	3/17/2011 18:34	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/26/2010		10/26/2010		4/20/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35711	SR57170914	SWB	EMPLACED_CNTR	3/17/2011 18:51	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/26/2010		10/26/2010		4/20/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35712	SR57170915	SWB	EMPLACED_CNTR	3/17/2011 18:23	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	10/26/2010		10/26/2010		4/20/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35713	SR57170916	SWB	EMPLACED_CNTR	3/15/2012 15:30	11/1/2011 13:08	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/26/2010	10/26/2011	10/26/2010	10/26/2011		Repackaged from SR57170	- Rpkgd into SR57170940	TRUE	TRUE	TRUE					
35714	SR57170917	SWB	EMPLACED_CNTR	2/18/2012 13:14	10/6/2011 15:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/26/2010	9/29/2011	10/26/2010	9/29/2011		Repackaged from SR57170	- Rpkgd into SR57170924	TRUE	TRUE	TRUE					
35715	SR57170918	SLB2	APPROVED_CERT		10/15/2012 16:15	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/18/2012		4/18/2012	10/8/2012		Repackaged from SR57170: Parent generation date: 10/25/2010; Filter reconfiguration date: 10/8/2012; Reduced filter model: NFT-013	- Rpkgd into SR57170926 - Rpkgd into SR57170930	TRUE	TRUE	TRUE					
35716	SR57170920	SSG	EMPLACED_CNTR	9/13/2011 22:23	5/24/2011 6:48	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	5/17/2011	5/9/2011	5/17/2011			- Rpkgd was SR57170901	TRUE	TRUE	TRUE			SR57170901		Daughter
35717	SR57170921	SSG	EMPLACED_CNTR	5/11/2012 10:10	11/1/2011 13:36	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/10/2011	10/27/2011	5/10/2011	10/27/2011			- Rpkgd was SR57170903	TRUE	TRUE	TRUE			SR57170903		Daughter
35718	SR57170922	SSG	EMPLACED_CNTR	9/13/2011 22:23	5/24/2011 6:51	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	5/17/2011	5/9/2011	5/17/2011			- Rpkgd was SR57170901	TRUE	TRUE	TRUE			SR57170901		Daughter
35719	SR57170923	SSG	EMPLACED_CNTR	9/9/2011 0:23	5/24/2011 6:51	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	5/17/2011	5/9/2011	5/17/2011			- Rpkgd was SR57170901	TRUE	TRUE	TRUE			SR57170901		Daughter
35720	SR57170924	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/19/2012 10:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/29/2011	1/11/2012	9/29/2011	1/11/2012			- Rpkgd was SR57170917	TRUE	TRUE	TRUE			SR57170917		Daughter
35721	SR57170925	SSG	APPROVED_CERT		6/28/2012 12:09	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	6/20/2012	6/19/2012	6/20/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35722	SR57170927	SSG	EMPLACED_CNTR	9/21/2012 13:21	6/28/2012 12:10	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	6/21/2012	6/19/2012	6/21/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR57170903	TRUE	TRUE	TRUE			SR57170903		Daughter
35723	SR57170928	SSG	EMPLACED_CNTR	9/9/2011 0:23	5/25/2011 17:45	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/10/2011	5/23/2011	5/10/2011	5/23/2011			- Rpkgd was SR57170911	TRUE	TRUE	TRUE			SR57170911		Daughter
35724	SR57170929	SSG			5/17/2011 17:17	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/11/2011		5/11/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35725	SR57170931	SSG	EMPLACED_CNTR	12/4/2011 14:20	9/1/2011 13:12	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35726	SR57170932	SSG	EMPLACED_CNTR	12/11/2011 13:26	9/1/2011 13:13	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35727	SR57170933	SSG	EMPLACED_CNTR	12/10/2011 14:03	9/1/2011 13:13	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35728	SR57170934	SSG	EMPLACED_CNTR	1/11/2012 9:40	9/1/2011 13:14	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35729	SR57170935	SSG	EMPLACED_CNTR	5/30/2012 9:02	3/6/2012 10:13	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/26/2011	2/1/2012	8/26/2011	2/1/2012			- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35730	SR57170936	SSG	EMPLACED_CNTR	12/10/2011 14:04	9/1/2011 13:15	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35731	SR57170937	SSG	EMPLACED_CNTR	12/10/2011 14:04	9/1/2011 13:15	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2011		8/26/2011				- Rpkgd was SR57170902	TRUE	TRUE	TRUE			SR57170902		Daughter
35732	SR57170936	SSG	EMPLACED_CNTR	2/17/2012 14:59	11/23/2011 9:39	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/26/2011	11/17/2011	8/26/2011	11/17/2011			- Rpkgd was SR57170912	TRUE	TRUE	TRUE			SR57170912		Daughter
35733	SR57170939	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/24/2012 15:39	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/11/2011	1/11/2012	9/11/2011	1/11/2012			- Rpkgd was SR57170916	TRUE	TRUE	TRUE			SR57170916		Daughter
35734	SR57170940	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/18/2012 18:21	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/26/2011	1/11/2012	10/26/2011	1/11/2012			- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35735	SR57170942	SSG	APPROVED_CERT		6/28/2012 12:11	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	6/21/2012	6/19/2012	6/21/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35736	SR57170943	SSG	EMPLACED_CNTR	9/21/2012 13:59	6/28/2012 12:11	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	6/21/2012	6/19/2012	6/21/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35737	SR57170944	SSG	EMPLACED_CNTR	9/21/2012 13:21	6/26/2012 12:12	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	6/25/2012	6/19/2012	6/25/2012		221-F-55006 Tru Drum Repackaging	- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35738	SR57170945	SWB			6/4/2013 9:45	mccabed	SR-W027-HBL-BOX	S5400		0	6/19/2012	5/28/2013	6/19/2012	5/28/2013		Changed container type per (Watson 050113; Repackaged per NOP-221-H-8827 (PTilmon email 060413)	- Rpkgd was SR57170905	TRUE	TRUE	TRUE			SR57170905		Daughter
35739	SR57171007	SWB	EMPLACED_CNTR	4/4/2012 15:23	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/11/2010		11/11/2010		5/6/2011	Repackaged from SR57171001		TRUE	TRUE	TRUE					
35740	SR57171008	SWB	EMPLACED_CNTR	1/17/2012 13:19	3/28/2011 8:57	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/11/2010	9/20/2011	11/11/2010	9/20/2011		Repackaged from SR57171001	- Rpkgd into SR57171050	TRUE	TRUE	TRUE					
35741	SR57171009	SWB	EMPLACED_CNTR	8/25/2011 11:44	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/11/2010		11/11/2010		5/6/2011	Repackaged from SR57171001		TRUE	TRUE	TRUE					
35742	SR57171010	SWB	EMPLACED_CNTR	3/19/2011 11:43	4/28/2011 6:00	WWIS_Updt	SR-W027-HBL-BOX	S5400		0	11/11/2010		11/11/2010		5/6/2011	WWIS_Status:APPROVED_CERT		TRUE	TRUE	TRUE					
35743	SR57171012	SWB	EMPLACED_CNTR	9/14/2011 19:31	5/12/2011 15:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/1/2010	4/27/2011	12/1/2010	4/27/2011		Repackaged from SR57171003	- Rpkgd into SR57171032 - Rpkgd into SR57171033	TRUE	TRUE	TRUE					
35744	SR57171013	SWB	EMPLACED_CNTR	4/5/2011 13:27	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/1/2010		12/1/2010		5/26/2011	Repackaged from SR57171003		TRUE	TRUE	TRUE					
35745	SR57171014	SWB	EMPLACED_CNTR	5/26/2011 18:29	4/28/2011 6:00	ldcrebuser	SR-W027-HBL-BOX	S5400		0	12/1/2010		12/1/2010		5/26/2011	Repackaged from SR57171003		TRUE	TRUE	TRUE					
35746	SR57171015	SWB	EMPLACED_CNTR	4/11/2011 21:28	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/2/2010		12/2/2010		5/27/2011	Repackaged from SR57171004		TRUE	TRUE	TRUE					
35747	SR57171017	SWB	EMPLACED_CNTR	3/24/2011 18:53	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/2/2010		12/2/2010		5/27/2011	Repackaged from SR57171004		TRUE	TRUE	TRUE					
35748	SR57171018	SWB	EMPLACED_CNTR	5/11/2011 18:50	4/28/2011 6:00	ldcrebuser	SR-W027-HBL-BOX	S5400		0	12/2/2010		12/2/2010		5/27/2011	Repackaged from SR57171004		TRUE	TRUE	TRUE					
35749	SR57171019	SWB	EMPLACED_CNTR	8/30/2011 19:31	5/12/2011 16:33	mccabed	SR-W027-HBL-BOX	S5400		0	12/6/2010	5/3/2011	12/6/2010	5/3/2011		Repackaged from SR57171006	- Rpkgd into SR57171031	TRUE	TRUE	TRUE					
35750	SR57171021	SWB	EMPLACED_CNTR	3/23/2011 19:03	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/6/2010		12/6/2010		5/31/2011	Repackaged from SR57171006		TRUE	TRUE	TRUE					
35751	SR57171022	SWB	EMPLACED_CNTR	3/24/2011 21:39	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/6/2010		12/6/2010		5/31/2011	Repackaged from SR57171006		TRUE	TRUE	TRUE					
35752	SR57171024	SWB	EMPLACED_CNTR	3/15/2012 15:30	11/1/2011 13:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/7/2010	10/26/2011	12/7/2010	10/26/2011		Repackaged from SR57171005	- Rpkgd into SR57171052	TRUE	TRUE	TRUE					
35753	SR57171025	SWB	EMPLACED_CNTR	3/28/2011 15:55	4/28/2011 6:00	WPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/7/2010		12/7/2010		6/1/2011	Repackaged from SR57171005		TRUE	TRUE	TRUE					
35754	SR57171029	SWB	EMPLACED_CNTR	4/4/2012 15:23	4/28/2011 6:00	ldcrebuser	SR-W027-HBL-BOX	S5400		0	1/29/2011		1/29/2011		7/24/2011	Parent Container SR57171002		TRUE	TRUE	TRUE					
35755	SR57171030	SWB	EMPLACED_CNTR	5/5/2011 15:25	4/28/2011 6:00	ldcrebuser	SR-W027-HBL-BOX	S5400		0	1/29/2011		1/29/2011		7/24/2011	Parent Container SR57171002		TRUE	TRUE	TRUE					
35756	SR57171031	SSG	EMPLACED_CNTR	9/9/2011 0:23	5/25/2011 17:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/3/2011	5/23/2011	5/3/2011	5/23/2011			- Rpkgd was SR57171019	TRUE	TRUE	TRUE			SR57171019		Daughter
35757	SR57171032	SSG	EMPLACED_CNTR	3/18/2012 9:39	11/23/2011 9:37	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/27/2011	11/17/2011	4/27/2011	11/17/2011			- Rpkgd was SR57171012	TRUE	TRUE	TRUE			SR57171012		Repack
35758	SR57171033	SSG	EMPLACED_CNTR	9/9/2011 0:23	5/25/2011 17:43	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/27/2011	5/23/2011	4/27/2011	5/23/2011			- Rpkgd was SR57171012	TRUE	TRUE	TRUE			SR57171012		Daughter
35759	SR57171034	SSG	EMPLACED_CNTR	12/4/2011 10:36	10/5/2011 13:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/9/2011	9/28/2011	6/9/2011	9/28/2011			- Rpkgd was SR57171023	TRUE	TRUE	TRUE			SR57171023		Daughter
35760	SR57171035	SSG	EMPLACED_CNTR	10/30/2011 10:06	1/6/2011 10:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/13/2011	7/29/2011	6/13/2011	7/29/2011			- Rpkgd was SR57171028	TRUE	TRUE	TRUE			SR57171028		Daughter
35761	SR57171036	SSG	EMPLACED_CNTR	12/4/2011 10:27	6/15/2011 9:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/9/2011		6/9/2011				- Rpkgd was SR57171023	TRUE	TRUE	TRUE			SR57171023		Daughter
35762	SR57171037	SSG	EMPLACED_CNTR	10/3/2011 20:11	7/26/2011 9:44	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/19/2011		7/19/2011				- Rpkgd was SR57171045	TRUE	TRUE	TRUE			SR57171045	SR57171016	Daughter
35763	SR57171040	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/8/2011 10:36	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/13/2011	7/29/2011	6/13/2011	7/29/2011			- Rpkgd was SR57171028	TRUE	TRUE	TRUE			SR57171028		Daughter
35764	SR57171041	SSG	EMPLACED_CNTR	10/3/2011 20:11	8/1/2011 18:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/13/2011	7/28/2011	6/13/2011	7/28/2011			- Rpkgd was SR57171028	TRUE	TRUE	TRUE			SR57171028		Daughter
35765	SR57171042	SSG	EMPLACED_CNTR	10/30/2011 9:37	8/8/2011 10:37	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/13/2011	7/29/2011	6/13/2011	7/29/2011			- Rpkgd was SR57171016	TRUE	TRUE	TRUE			SR57171016		Daughter
35766	SR57171043	SSG	EMPLACED_CNTR	10/3/2011 20:11	7/21/2011 9:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/19/2011	6/22/2011	7/19/2011			- Rpkgd was SR57171016	TRUE	TRUE	TRUE			SR57171016		Daughter
35767	SR57171044	SSG	EMPLACED_CNTR	10/25/2012 15:30	7/26/2011 9:42	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/19/2011	6/22/2011	7/19/2011			- Rpkgd was SR57171016 - Rpkgd into SR57171037	TRUE	TRUE	TRUE					
35768	SR57171045	SSG	EMPLACED_CNTR	10/5/2011 18:16	7/26/2011 9:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/19/2011	6/22/2011	7/19/2011			- Rpkgd was SR57171016	TRUE	TRUE	TRUE			SR57171016		Daughter
35769	SR57171046	SSG	EMPLACED_CNTR	9/25/2011 9:13	7/26/2011 9:45	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/22/2011	7/19/2011	6/22/2011	7/19/2011			- Rpkgd was SR57171027	TRUE	TRUE	TRUE			SR57171027		Daughter
35770	SR57171047	SSG	EMPLACED_CNTR	12/4/2011 10:26	8/17/2011 8:57	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/9/2011		8/9/2011				- Rpkgd was SR57171027	TRUE	TRUE	TRUE			SR57171027		Daughter
35771	SR57171048	SSG	EMPLACED_CNTR	5/11/2012 10:19	3/6/2012 10:02	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/9/2011	1/30/2012	8/9/2011	1/30/2012			- Rpkgd was SR57171027	TRUE	TRUE	TRUE			SR57171027		Daughter
35772	SR57171049	SSG	EMPLACED_CNTR	11/4/2011 10:27	8/17/2011 8:58	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/9/2011		8/9/2011												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35773	SR57173050	SSG	EMPLACED_CNTR	12/11/2011 10:33	10/6/2011 16:03	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	9/20/2011	10/4/2011	9/20/2011	10/4/2011			- Rpkgd was SR57171008	TRUE	TRUE	TRUE			SR57171008		Daughter
35774	SR57173052	SSG	EMPLACED_CNTR	3/22/2012 14:58	1/18/2012 17:40	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	10/26/2011	1/12/2012	10/26/2011	1/13/2012			- Rpkgd was SR57171024	TRUE	TRUE	TRUE			SR57171024		Daughter
35775	SR57171601	SLB2	EMPLACED_CNTR	11/14/2012 10:44	6/13/2012 22:42	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	3/21/2012		3/21/2012	6/13/2012		Changed to Non-PCB/E-mail J.Price 10/3/11: Filter reconfiguration date: 6/12/12; Reduced filter model NFT-013; Parent generation date: 1/26/2006	- Rpkgd into SR57171616 - Rpkgd into SR57171618	TRUE	TRUE	TRUE	NA				
35776	SR57171604	SLB2	ENROUTE_SHIP		10/15/2012 16:18	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/29/2012		5/29/2012	10/4/2012		Changed to Non-PCB/E-mail J.Price 10/3/11; 221-F-55078 Tru Waste Container Remediation; Parent generation date: 3/24/2012; Filter reconfiguration date: 10/4/2012; Reduced filter model: NFT-013	- Rpkgd into SR57171617 - Rpkgd into SR57171631 - Rpkgd into SR57171632 - Rpkgd into SR57171630	TRUE	TRUE	TRUE	NA				
35777	SR57171605	SLB2	EMPLACED_CNTR	12/13/2011 12:42	7/25/2011 17:50	mccabed	SR-WD27-HBL-BOX	$5400	Vent	0	1/30/2006		1/30/2006	1/30/2006		PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35778	SR57171608	SWB	EMPLACED_CNTR	9/29/2011 22:43	5/12/2011 16:01	mccabed	SR-WD27-HBL-BOX	$5400		0	11/30/2010	5/2/2011	11/30/2010	5/2/2011		Repackaged from SR57171603 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57171623 - Rpkgd into SR57171624 - Rpkgd into SR57171625 - Rpkgd into SR57171626	TRUE	TRUE	TRUE	Yes	10/13/2005			
35779	SR57171609	SWB	EMPLACED_CNTR	3/30/2011 18:42	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	$5400		0	11/30/2010		11/30/2010		5/25/2011	Repackaged from SR57171603 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35780	SR57171610	SWB	EMPLACED_CNTR	3/19/2011 13:44	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	$5400		0	11/30/2010		11/30/2010		5/25/2011	WWIS_Stetus:APPROVED_CERT - PCB Waste		TRUE	TRUE	TRUE					
35781	SR57171611	SWB	EMPLACED_CNTR	5/25/2011 22:43	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	$5400		0	1/12/2011		1/12/2011		7/7/2011	Parent Container SR57171602 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35782	SR57171612	SWB	EMPLACED_CNTR	2/25/2012 13:55	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	$5400		0	1/12/2011		1/12/2011		7/7/2011	Parent Container SR57171602 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35783	SR57171613	SSG	EMPLACED_CNTR	2/18/2012 9:38	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	1/12/2011	3/24/2011	1/12/2011	3/24/2011	7/7/2011	Parent Container SR57171602		TRUE	TRUE	TRUE					
35784	SR57171614	SSG	EMPLACED_CNTR	8/10/2011 21:43	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	1/12/2011	3/25/2011	1/12/2011	3/25/2011	7/7/2011	Parent Container SR57171602 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35785	SR57171615	SSG	EMPLACED_CNTR	4/11/2012 15:02	2/1/2012 17:20	mccabed	SR-WD27-HBL-BOX	$5400	None	0	1/26/2012		1/26/2012				- Rpkgd was SR57171619 - Rpkgd was SR57171627	TRUE	TRUE	TRUE	NA		SR57171627	SR57171619	Daughter
35786	SR57171616	SSG	EMPLACED_CNTR	7/10/2012 14:33	4/26/2012 16:15	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	3/21/2012	4/20/2012	3/21/2012	4/20/2012			- Rpkgd was SR57171601	TRUE	TRUE	TRUE	NA		SR57171601		Daughter
35787	SR57171617	SSG	EMPLACED_CNTR	7/10/2012 14:29	4/26/2012 16:16	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	3/24/2012	4/21/2012	3/24/2012	4/21/2012			- Rpkgd was SR57171604	TRUE	TRUE	TRUE	NA		SR57171604		Daughter
35788	SR57171618	SSG	EMPLACED_CNTR	7/21/2012 10:34	4/26/2012 16:16	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	3/21/2012	4/20/2012	3/21/2012	4/20/2012			- Rpkgd was SR57171601	TRUE	TRUE	TRUE	NA		SR57171601		Daughter
35789	SR57171619	SWB	EMPLACED_CNTR	11/23/2011 10:17	4/22/2011 14:59	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	1/20/2011	8/8/2011	1/20/2011	8/8/2011		Parent Container SR57171606: PCB removed per J Price email 7/27/11	- Rpkgd into SR57171627 - Rpkgd into SR57171628 - Rpkgd into SR57171629	TRUE	TRUE	TRUE	NA				
35790	SR57171620	SWB	EMPLACED_CNTR	4/18/2011 21:32	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	$5400		0	1/20/2011		1/20/2011		7/15/2011	Parent Container SR57171606 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35791	SR57171621	SWB	EMPLACED_CNTR	4/18/2011 22:41	4/28/2011 6:00	WIPPNET\SQLMaster	SR-WD27-HBL-BOX	$5400		0	1/20/2011		1/20/2011		7/15/2011	Parent Container SR57171606 PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35792	SR57171623	SSG	EMPLACED_CNTR	2/18/2012 9:38	9/8/2011 13:34	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/2/2011	5/17/2011	5/2/2011	5/17/2011			- Rpkgd was SR57171608	TRUE	TRUE	TRUE	NA		SR57171608		Daughter
35793	SR57171624	SSG	EMPLACED_CNTR	1/8/2012 14:23	5/18/2011 21:02	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/2/2011	5/17/2011	5/2/2011	5/17/2011			- Rpkgd was SR57171608	TRUE	TRUE	TRUE			SR57171608		Daughter
35794	SR57171625	SSG	EMPLACED_CNTR	8/25/2011 22:03	5/24/2011 6:52	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/2/2011	5/17/2011	5/2/2011	5/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171608	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171608		Daughter
35795	SR57171626	SSG	EMPLACED_CNTR	9/13/2011 22:23	5/24/2011 6:52	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/2/2011	5/17/2011	5/2/2011	5/17/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171608	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171608		Daughter
35796	SR57171627	SSG	EMPLACED_CNTR	3/22/2012 14:59	2/1/2012 17:20	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	8/8/2011	1/26/2012	8/8/2011	1/26/2012			- Rpkgd was SR57171619 - Rpkgd into SR57171615	TRUE	TRUE	TRUE	NA				
35797	SR57171628	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/30/2012 16:05	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	8/8/2011	1/25/2012	8/8/2011	1/25/2012			- Rpkgd was SR57171619	TRUE	TRUE	TRUE	NA		SR57171619		Daughter
35798	SR57171629	SSG	EMPLACED_CNTR	4/14/2012 14:54	1/27/2012 17:18	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	8/8/2011	1/25/2012	8/8/2011	1/25/2012			- Rpkgd was SR57171619	TRUE	TRUE	TRUE	NA		SR57171619		Daughter
35799	SR57171632	SSG	EMPLACED_CNTR	9/21/2012 13:59	6/18/2012 11:22	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	5/29/2012	6/11/2012	5/29/2012	6/11/2012			- Rpkgd was SR57171604	TRUE	TRUE	TRUE	NA		SR57171604		Daughter
35800	SR57171701	SLB2	EMPLACED_CNTR	3/3/2012 13:54	8/1/2011 18:59	mccabed	SR-WD27-HBL-BOX	$5400		0	10/16/2006		10/16/2006	5/26/2011		PCB Waste PCB Bulk Product Waste - Non Leachable/Filter Reduction Date: 5/26/2011Reduced Filter Model: NFT-013		TRUE	TRUE	TRUE	Yes	10/13/2005			
35801	SR57171708	SWB	EMPLACED_CNTR	5/4/2011 1:23	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	$5400		0	1/13/2011		1/13/2011		7/8/2011	Parent Container SR57171705 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35802	SR57171709	SWB	EMPLACED_CNTR	5/3/2011 15:51	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	$5400		0	1/13/2011		1/13/2011		7/8/2011	Parent Container SR57171705 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35803	SR57171711	SWB	EMPLACED_CNTR	3/15/2012 15:30	6/28/2011 14:23	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	1/29/2011	6/15/2011	1/29/2011	6/15/2011		Parent Container SR57171706 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57171739 - Rpkgd into SR57171740 - Rpkgd into SR57171741	TRUE	TRUE	TRUE	Yes	10/13/2005			
35804	SR57171712	SWB	EMPLACED_CNTR	5/1/2013 15:16	4/28/2011 6:00	idcwebuser	SR-WD27-HBL-BOX	$5400		0	1/29/2011		1/29/2011		7/24/2011	Parent Container SR57171706 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35805	SR57171713	SSG	EMPLACED_CNTR	8/10/2011 21:43	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	1/29/2011	3/22/2011	1/29/2011	3/22/2011		Parent Container SR57171706 - PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd into SR57171714	TRUE	TRUE	TRUE	Yes	10/13/2005			
35806	SR57171714	SSG	EMPLACED_CNTR	8/10/2011 21:43	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	$5400			1/29/2011	3/22/2011	1/29/2011	3/22/2011		Parent Container SR57171706 PCB Bulk Product Waste - Non Leachable	- Rpkgd Was SR57171713	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171713		Daughter
35807	SR57171715	SWB	EMPLACED_CNTR	9/14/2011 22:53	6/2/2011 9:49	mccabed	SR-WD27-HBL-BOX	$5400		0	5/5/2011		5/5/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171704	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171704		Daughter
35808	SR57171716	SWB	EMPLACED_CNTR	9/25/2012 13:32	12/1/2011 9:57	mccabed	SR-WD27-HBL-BOX	$5400		0	5/5/2011	11/28/2011	5/5/2011	11/28/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171704	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171704		Daughter
35809	SR57171731	SWB	EMPLACED_CNTR	9/26/2011 21:54	8/1/2011 16:58	mccabed	SR-WD27-HBL-BOX	$5400		0	5/3/2011		5/3/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171702	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171702		Daughter
35810	SR57171732	SSG	EMPLACED_CNTR	10/5/2011 18:16	8/1/2011 16:58	mccabed	SR-WD27-HBL-BOX	$5400		0	5/3/2011		5/3/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171702	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171702		Daughter
35811	SR57171733	SSG	EMPLACED_CNTR	2/18/2012 9:38	6/23/2011 15:22	mccabed	SR-WD27-HBL-BOX	$5400		0	5/3/2011		5/3/2011				- Rpkgd was SR57171702	TRUE	TRUE	TRUE			SR57171702		Repack
35812	SR57171734	SSG	EMPLACED_CNTR	10/5/2011 18:16	8/1/2011 16:59	mccabed	SR-WD27-HBL-BOX	$5400		0	5/3/2011		5/3/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171702	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171702		Daughter
35813	SR57171735	SSG	EMPLACED_CNTR	9/13/2011 22:23	6/22/2011 15:23	mccabed	SR-WD27-HBL-BOX	$5400		0	5/3/2011		5/3/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171702	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171702		Repack
35814	SR57171741	SSG	EMPLACED_CNTR	5/6/2012 12:38	7/1/2011 11:21	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	6/15/2011	6/24/2011	6/15/2011	6/24/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171711 - Rpkgd into SR57171743	TRUE	TRUE	TRUE	Yes	10/13/2005			
35815	SR57171742	SSG	EMPLACED_CNTR	11/16/2011 8:51	6/30/2011 12:37	mccabed	SR-WD27-HBL-BOX	$5400	None	0	6/24/2011		6/24/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171739	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171739	SR57171711	Daughter
35816	SR57171743	SSG	EMPLACED_CNTR	9/25/2011 9:13	7/1/2011 11:21	mccabed	SR-WD27-HBL-BOX	$5400	None	0	6/24/2011		6/24/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171741	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171741	SR57171711	Daughter
35817	SR57171744	SSG	EMPLACED_CNTR	12/4/2011 10:26	10/11/2011 15:24	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	8/22/2011	10/6/2011	8/22/2011	10/6/2011			- Rpkgd was SR57171707	TRUE	TRUE	TRUE	NA		SR57171707		Daughter
35818	SR57171745	SSG	EMPLACED_CNTR	12/4/2011 10:26	9/8/2011 15:03	mccabed	SR-WD27-HBL-BOX	$5400	None	0	8/22/2011		8/22/2011				- Rpkgd was SR57171707	TRUE	TRUE	TRUE	NA		SR57171707		Daughter
35819	SR57171746	SSG	EMPLACED_CNTR	12/4/2011 10:26	9/8/2011 15:04	mccabed	SR-WD27-HBL-BOX	$5400	None	0	8/22/2011		8/22/2011				- Rpkgd was SR57171707	TRUE	TRUE	TRUE	NA		SR57171707		Daughter
35820	SR57171747	SSG	EMPLACED_CNTR	2/17/2012 16:08	11/23/2011 9:39	mccabed	SR-WD27-HBL-BOX	$5400	Remediation	0	8/22/2011	11/17/2011	8/22/2011	11/17/2011			- Rpkgd was SR57171707	TRUE	TRUE	TRUE	NA		SR57171707		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35821	SR57171748	SWB	EMPLACED_CNTR	5/20/2012 10:19	2/20/2012 17:08	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/29/2011	2/8/2012	8/29/2011	2/8/2012		PCB Waste PCB Bulk Product Waste - Non Leachable, Cell 11 Tru repacking operation SW15 3-SOP-CEL11-03	Rpkgd was SR57171703	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171703		Repack
35822	SR57171749	SWB	EMPLACED_CNTR	11/10/2012 10:32	6/6/2012 16:13	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/29/2011	5/31/2012	2/16/2012	5/31/2012		PCB Waste PCB Bulk Product Waste - Non Leachable, Cell 11 Tru Repacking Operation; SW15 3-SOP-CEL11-03	- Rpkgd was SR57171703	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171703		Repack
35823	SR57171750	SSG	EMPLACED_CNTR	10/25/2012 15:30	11/8/2011 13:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/25/2011	10/28/2011	8/25/2011	10/28/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171703	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171703		Repack
35824	SR57171751	SSG	EMPLACED_CNTR	12/19/2012 12:50	3/19/2012 14:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/25/2011	10/31/2011	8/25/2011	10/31/2011		Changed to Non-PCB/E-mail J. Price 2/29/12	- Rpkgd was SR57171703 - Rpkgd into SR57171756	TRUE	TRUE	TRUE	NA				
35825	SR57171752	SSG	EMPLACED_CNTR	3/30/2012 15:17	3/19/2012 14:36	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/25/2011		8/25/2011			Changed to Non-PCB/E-mail J. Price 2/29/12	Rpkgd was SR57171703	TRUE	TRUE	TRUE	NA		SR57171703		Repack
35826	SR57171756	SSG	EMPLACED_CNTR	11/15/2012 14:47	11/3/2011 14:46	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/31/2011		10/31/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR57171751	TRUE	TRUE	TRUE	Yes	10/13/2005	SR57171751	SR57171703	Repack
35827	SR60685407	SWB	EMPLACED_CNTR	4/22/2012 9:36	3/30/2012 16:16	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2006	12/27/2011		12/27/2011		SW15 3-SOP-CEL11-03 Cell 11 Tru Repacking Operation	Rpkgd Was SR60685403 - Rpkgd into SR60685418 - Rpkgd into SR60685417 - Rpkgd Was SR60685403 - Rpkgd into SR60685417	TRUE	TRUE	TRUE					
35828	SR60685409	SSG	EMPLACED_CNTR	8/25/2011 22:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2006	3/22/2011	8/8/2006	3/22/2011			Rpkgd Was SR60685403	TRUE	TRUE	TRUE			SR60685403		Repack
35829	SR60685410	SSG	EMPLACED_CNTR	8/10/2011 21:43	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2006	3/23/2011	8/8/2006	3/23/2011			Rpkgd Was SR60685403	TRUE	TRUE	TRUE			SR60685403		Repack
35830	SR60685411	SSG	EMPLACED_CNTR	8/11/2011 18:21	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/8/2006	2/24/2011	8/8/2006	2/24/2011			- Rpkgd Was SR60685406 - Rpkgd into SR60685419 - Rpkgd into SR60685435	TRUE	TRUE	TRUE					
35831	SR60685412	SWB	EMPLACED_CNTR	9/29/2011 20:02	6/8/2011 17:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2006	5/26/2011	8/8/2006	5/26/2011			- Rpkgd Was SR60685406	TRUE	TRUE	TRUE			SR60685406		Repack
35832	SR60685413	SSG	EMPLACED_CNTR	11/7/2011 12:37	9/14/2011 13:26	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/8/2006	9/8/2011	8/8/2006	9/8/2011			- Rpkgd Was SR60685406	TRUE	TRUE	TRUE			SR60685406		Repack
35833	SR60685414	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/11/2011 15:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/14/2011	10/6/2011	3/14/2011	10/6/2011			- Rpkgd Was SR60685406	TRUE	TRUE	TRUE			SR60685406		Repack
35834	SR60685415	SSG	EMPLACED_CNTR	12/11/2011 10:32	10/11/2011 15:26	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/14/2011	10/7/2011	3/14/2011	10/7/2011			- Rpkgd Was SR60685406	TRUE	TRUE	TRUE			SR60685406		Repack
35835	SR60685416	SSG	EMPLACED_CNTR	12/14/2011 13:49	10/21/2011 9:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/14/2011	10/17/2011	3/14/2011	10/17/2011			Rpkgd Was SR60685403 - Rpkgd Was SR60685409	TRUE	TRUE	TRUE			SR60685409	SR60685403	Repack
35836	SR60685417	SSG	EMPLACED_CNTR	8/11/2011 18:21	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/8/2006	3/22/2011	8/8/2006	3/22/2011			- Rpkgd was SR60685407	TRUE	TRUE	TRUE			SR60685407	SR60685403	Repack
35837	SR60685418	SSG	EMPLACED_CNTR	9/25/2011 9:13	6/13/2011 17:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/31/2011	6/7/2011	5/31/2011	6/7/2011			- Rpkgd was SR60685412	TRUE	TRUE	TRUE			SR60685412	SR60685406	Repack
35838	SR60685419	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/13/2011 16:53	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/26/2011	6/6/2011	5/26/2011	6/6/2011			- Rpkgd was SR60685405 - Rpkgd into SR60685437 - Rpkgd into SR60685438 - Rpkgd into SR60685439 - Rpkgd into SR60685440 - Rpkgd into SR60685441 - Rpkgd into SR60685442 - Rpkgd into SR60685443 - Rpkgd into SR60685444 - Rpkgd into SR60685447 - Rpkgd into SR60685448 - Rpkgd into SR60685449	TRUE	TRUE	TRUE					
35839	SR60685420	SWB	EMPLACED_CNTR	5/24/2012 13:29	1/30/2012 15:54	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/9/2011	1/27/2012	6/9/2011	1/27/2012		SW15 3-SOP-CEL11-03 (Cell 11 Tru Repacking Operation)	- Rpkgd was SR60685420	TRUE	TRUE	TRUE			SR60685420	SR60685405	Repack
35840	SR60685437	SSG	EMPLACED_CNTR	10/25/2012 15:30	12/1/2011 9:58	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/15/2011	11/22/2011	10/15/2011	11/22/2011			- Rpkgd was SR60685420	TRUE	TRUE	TRUE			SR60685420		Daughter
35841	SR60685438	SSG	EMPLACED_CNTR	2/18/2012 9:39	12/1/2011 9:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/15/2011	11/22/2011	10/15/2011	11/22/2011			- Rpkgd was SR60685420	TRUE	TRUE	TRUE			SR60685420		Daughter
35842	SR60685439	SSG	EMPLACED_CNTR	2/18/2012 9:39	12/1/2011 9:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/15/2011	11/22/2011	10/15/2011	11/22/2011			- Rpkgd was SR60685420	TRUE	TRUE	TRUE			SR60685420		Daughter
35843	SR60685442	SSG	EMPLACED_CNTR	2/14/2012 14:08	12/7/2011 19:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/15/2011	12/2/2011	10/15/2011	12/2/2011			- Rpkgd was SR60685420 - Rpkgd into SR60685446	TRUE	TRUE	TRUE					
35844	SR60685443	SSG	EMPLACED_CNTR	4/29/2012 9:15	12/15/2011 9:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/15/2011	12/6/2011	10/15/2011	12/6/2011			- Rpkgd was SR60685420	TRUE	TRUE	TRUE			SR60685420		Daughter
35845	SR60685444	SSG	APPROVED_CERT		4/3/2012 17:08	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/15/2011	3/26/2012	10/15/2011	3/26/2012			- Rpkgd was SR60685441	TRUE	TRUE	TRUE			SR60685441	SR60685420	Daughter
35846	SR60685445	SSG	EMPLACED_CNTR	5/11/2012 10:11	12/7/2011 19:28	mccabed	SR-W027-HBL-BOX	S5400	None	0	12/1/2011		12/1/2011				#NAME?	TRUE	TRUE	TRUE			SR60685443	SR60685420	Daughter
35847	SR60685446	SSG	EMPLACED_CNTR	4/11/2012 15:02	12/15/2011 12:51	mccabed	SR-W027-HBL-BOX	S5400	None	0	12/8/2011		12/6/2011				- Rpkgd into SR60685523 - Rpkgd into SR60685524	TRUE	TRUE	TRUE			SR60685504		Repack
35848	SR60685507	SWB	EMPLACED_CNTR	5/17/2012 13:21	1/11/2012 14:02	mccabed	SR-W027-HBL-BOX	S5400	None	0	12/18/2010	1/6/2012	12/18/2010	1/6/2012		Repackaged from SR60685504	- Rpkgd into SR60685527 - Rpkgd into SR60685528	TRUE	TRUE	TRUE					
35849	SR60685508	SWB	EMPLACED_CNTR	7/7/2012 10:47	1/5/2012 19:32	mccabed	SR-W027-HBL-BOX	S5400	None	0	12/18/2010	1/3/2012	12/18/2010	1/3/2012		Repackaged from SR60685504	Repackaged from SR60685504	TRUE	TRUE	TRUE					
35850	SR60685509	SWB	EMPLACED_CNTR	3/30/2011 19:07	4/28/2011 6:00	WIPPNET\SQLMaster	SR-W027-HBL-BOX	S5400		0	12/18/2010		12/18/2010		6/11/2011	Repackaged from SR60685504		TRUE	TRUE	TRUE					
35851	SR60685510	SWB	EMPLACED_CNTR	10/4/2011 23:02	6/9/2011 14:18	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/22/2006	5/30/2011		5/30/2011			- Rpkgd Was SR60685506 - Rpkgd into SR60685544 - Rpkgd into SR60685545 - Rpkgd Was SR60685506	TRUE	TRUE	TRUE			SR60685506		Repack
35852	SR60685511	SSG	EMPLACED_CNTR	8/15/2011 23:35	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	3/18/2011	5/22/2006	3/18/2011			- Rpkgd Was SR60685506 - Rpkgd into SR60685522 - Rpkgd Was SR60685506 - Rpkgd into SR60685519	TRUE	TRUE	TRUE					
35853	SR60685512	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/22/2006	4/18/2011	5/22/2006	4/18/2011				TRUE	TRUE	TRUE					
35854	SR60685513	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/22/2006	4/7/2011	5/22/2006	4/7/2011			- Rpkgd Was SR60685506 - Rpkgd into SR60685520	TRUE	TRUE	TRUE					
35855	SR60685514	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/22/2006	4/12/2011	5/22/2006	4/12/2011			- Rpkgd Was SR60685506	TRUE	TRUE	TRUE			SR60685506		Repack
35856	SR60685515	SSG	EMPLACED_CNTR	8/10/2011 19:52	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	3/18/2011	5/22/2006	3/18/2011			- Rpkgd Was SR60685506	TRUE	TRUE	TRUE			SR60685506		Repack
35857	SR60685516	SSG	EMPLACED_CNTR	8/10/2011 19:52	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	3/18/2011	5/22/2006	3/18/2011			- Rpkgd Was SR60685506	TRUE	TRUE	TRUE			SR60685506		Repack
35858	SR60685517	SSG	EMPLACED_CNTR	8/10/2011 19:52	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	4/13/2011	5/22/2006	4/13/2011			- Rpkgd Was SR60685506	TRUE	TRUE	TRUE			SR60685506		Repack
35859	SR60685518	SSG	EMPLACED_CNTR	8/10/2011 19:52	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/22/2006	4/13/2011	5/22/2006	4/13/2011			- Rpkgd Was SR60685506 - Rpkgd Was SR60685513	TRUE	TRUE	TRUE			SR60685513	SR60685506	Daughter
35860	SR60685519	SSG	EMPLACED_CNTR	8/11/2011 18:20	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	4/7/2011	5/22/2006	4/7/2011			- Rpkgd Was SR60685506 - Rpkgd Was SR60685514	TRUE	TRUE	TRUE			SR60685514	SR60685506	Daughter
35861	SR60685520	SSG	EMPLACED_CNTR	8/25/2011 22:12	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	4/12/2011	5/22/2006	4/12/2011			- Rpkgd Was SR60685506 - Rpkgd Was SR60685512	TRUE	TRUE	TRUE			SR60685512	SR60685506	Repack
35862	SR60685522	SSG	EMPLACED_CNTR	12/10/2011 14:04	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			5/22/2006	4/18/2011	5/22/2006	4/18/2011			- Rpkgd was SR60685507	TRUE	TRUE	TRUE			SR60685507	SR60685504	Daughter
35863	SR60685523	SSG	EMPLACED_CNTR	9/15/2011 22:21	6/13/2011 17:38	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/26/2011	6/3/2011	5/20/2011	6/3/2011			- Rpkgd was SR60685508	TRUE	TRUE	TRUE			SR60685508		Daughter
35864	SR60685527	SSG	EMPLACED_CNTR	9/9/2011 0:22	6/13/2011 17:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/23/2011	6/4/2011	5/23/2011	6/4/2011			- Rpkgd was SR60685508	TRUE	TRUE	TRUE			SR60685508		Daughter
35865	SR60685528	SSG	EMPLACED_CNTR	9/1/2011 23:35	6/13/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/23/2011	6/3/2011	5/23/2011	6/3/2011			- Rpkgd was SR60685530	TRUE	TRUE	TRUE			SR60685530		Daughter
35866	SR60685545	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:40	mccabed	SR-W027-HBL-BOX	S5400	Remediation		5/30/2011	10/31/2011	5/30/2011	10/31/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529	SR60685501	Repack
35867	SR60685546	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/6/2011 16:55	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	11/30/2011	10/17/2011	11/30/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35868	SR60685547	SSG	EMPLACED_CNTR	2/18/2012 8:55	12/6/2011 16:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35869	SR60685548	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/6/2011 16:57	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35870	SR60685549	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/7/2011 19:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35871	SR60685550	SSG	EMPLACED_CNTR	3/1/2012 14:35	12/7/2011 19:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35872	SR60685551	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/7/2011 19:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011			- Rpkgd was SR60685529	TRUE	TRUE	TRUE			SR60685529		Daughter
35873	SR60685552	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/7/2011 19:37	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/17/2011	12/1/2011	10/17/2011	12/1/2011				TRUE	TRUE	TRUE					
35874	SR60685602	SLB2	EMPLACED_CNTR	11/8/2012 15:15	7/25/2011 20:52	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/26/2006		8/26/2006	8/26/2006				TRUE	TRUE	TRUE					
35875	SR60685607	SWB	EMPLACED_CNTR	9/15/2011 14:22	6/8/2011 17:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/28/2010	5/24/2011	12/28/2010	5/24/2011		Repackaged from SR60685603	Rpkgd into SR60685610	TRUE	TRUE	TRUE					
35876	SR60685608	SWB	EMPLACED_CNTR	10/6/2011 23:01	6/8/2011 17:04	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/28/2010	5/25/2011	12/28/2010	5/25/2011		Repackaged from SR60685603	Rpkgd into SR60685611 - Rpkgd into SR60685612 - Rpkgd into SR60685613 - Rpkgd into SR60685614	TRUE	TRUE	TRUE					
35877	SR60685610	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/9/2011 14:24	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/24/2011	6/3/2011	5/24/2011	6/3/2011			- Rpkgd was SR60685607	TRUE	TRUE	TRUE			SR60685607		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35878	SR60685614	55G	EMPLACED_CNTR	10/4/2011 18:51	6/13/2011 16:52	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/25/2011	6/6/2011	5/25/2011	6/6/2011			- Rpkgd was SR60685608	TRUE	TRUE	TRUE			SR60685608		Daughter
35879	SR60685701	SLB2	EMPLACED_CNTR	1/17/2012 13:53	7/26/2011 7:56	mccabed	SR-W027-HBL-BOX	S5400		0	11/29/2006		11/29/2006	11/29/2006				TRUE	TRUE	TRUE					
35880	SR60685702	SLB2	APPROVED_CERT		7/26/2011 7:57	mccabed	SR-W027-HBL-BOX	S5400		0	11/29/2006		11/29/2006	11/29/2006				TRUE	TRUE	TRUE					
35881	SR60685704	SLB2	EMPLACED_CNTR	2/22/2012 10:25	7/26/2011 8:20	mccabed	SR-W027-HBL-BOX	S5400	Vent	0	11/29/2006		11/29/2006	11/29/2006				TRUE	TRUE	TRUE					
35882	SR60685705	SLB2	EMPLACED_CNTR	12/21/2012 14:28	7/26/2011 8:27	mccabed	SR-W027-HBL-BOX	S5400			11/29/2006		11/29/2006	11/29/2006				TRUE	FALSE	TRUE	NA				
35883	SR60685706	SLB2	EMPLACED_CNTR	7/21/2012 9:10	7/26/2011 7:58	mccabed	SR-W027-HBL-BOX	S5400		0	11/29/2006		11/29/2006	11/29/2006				TRUE	TRUE	TRUE					
35884	SR60685809	SWB	EMPLACED_CNTR	11/23/2011 10:26	8/8/2011 11:09	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/26/2011	8/2/2011	1/26/2011	8/2/2011		Parent Container SR60685801	- Rpkgd into SR60685815	TRUE	TRUE	TRUE					
35885	SR60685811	SWB	EMPLACED_CNTR	11/9/2012 13:27	2/29/2012 15:11	mccabed	SR-W027-HBL-BOX	S5400		0	4/11/2011	2/21/2012	4/11/2011	2/21/2012		Cell 11 Tru repacking operation (SW15.3-SOP-CEL-11-03)	- Rpkgd was SR60685803	TRUE	TRUE	TRUE			SR60685803		Repack
35886	SR60685812	SWB	EMPLACED_CNTR	9/22/2011 0:01	5/2/2011 14:57	mccabed	SR-W027-HBL-BOX	S5400		0	4/11/2011		4/11/2011				- Rpkgd was SR60685803	TRUE	TRUE	TRUE			SR60685803		Repack
35887	SR60685813	55G	EMPLACED_CNTR	11/8/2011 0:05	9/8/2011 16:14	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/3/2011	9/2/2011	8/3/2011	9/2/2011			- Rpkgd was SR60685807 - Rpkgd into SR60685828 - Rpkgd into SR60685826	TRUE	TRUE	TRUE					
35888	SR60685815	55G	EMPLACED_CNTR	4/27/2012 9:53	9/14/2011 13:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/2/2011	9/6/2011	8/2/2011	9/6/2011			- Rpkgd was SR60685809	TRUE	TRUE	TRUE			SR60685809		Daughter
35889	SR60685821	55G	EMPLACED_CNTR	12/4/2011 14:20	8/8/2011 11:31	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/2/2011		8/2/2011				- Rpkgd was SR60685808	TRUE	TRUE	TRUE			SR60685808		Daughter
35890	SR60685822	55G	EMPLACED_CNTR	11/7/2011 22:37	9/8/2011 16:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/2/2011	9/1/2011	8/2/2011	9/1/2011			- Rpkgd was SR60685808	TRUE	TRUE	TRUE			SR60685808		Daughter
35891	SR60685826	55G	EMPLACED_CNTR	12/4/2011 13:46	9/8/2011 16:14	mccabed	SR-W027-HBL-BOX	S5400	None	0	9/2/2011		9/2/2011				- Rpkgd was SR60685813	TRUE	TRUE	TRUE			SR60685813		Daughter
35892	SR60685905	SLB2	EMPLACED_CNTR	3/17/2013 15:58	7/26/2011 8:24	mccabed	SR-W027-HBL-BOX	S5400		0	5/27/2006		5/27/2006	5/27/2006				TRUE	TRUE	TRUE					
35893	SR60686006	SLB2	EMPLACED_CNTR	10/10/2012 10:15	7/26/2011 7:59	mccabed	SR-W027-HBL-BOX	S5400		0	5/17/2006		5/17/2006	5/17/2006				TRUE	TRUE	TRUE					
35894	SR60686015	SWB	EMPLACED_CNTR	4/22/2012 9:33	9/27/2011 15:53	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	9/22/2011	4/14/2011	9/22/2011			- Rpkgd was SR60686003 - Rpkgd into SR60686045	TRUE	TRUE	TRUE					
35895	SR60686016	55G	EMPLACED_CNTR	10/4/2011 18:51	7/20/2011 13:53	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	7/13/2011	4/14/2011	7/13/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35896	SR60686017	55G	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 15:03	mccabed	SR-W027-HBL-BOX	S5400		0	4/14/2011		4/14/2011				- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35897	SR60686018	55G	EMPLACED_CNTR	9/15/2011 22:21	7/1/2011 13:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	6/28/2011	4/14/2011	6/28/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35898	SR60686019	55G	EMPLACED_CNTR	11/16/2011 11:02	6/28/2011 14:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	6/13/2011	4/14/2011	6/13/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35899	SR60686020	55G	EMPLACED_CNTR	10/4/2011 18:51	7/20/2011 13:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	7/14/2011	4/14/2011	7/14/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35900	SR60686021	55G	EMPLACED_CNTR	9/18/2011 13:48	7/1/2011 13:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	6/28/2011	4/14/2011	6/28/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35901	SR60686022	55G	EMPLACED_CNTR	10/30/2011 9:38	8/25/2011 18:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/14/2011	8/19/2011	4/14/2011	8/19/2011			- Rpkgd was SR60686003	TRUE	TRUE	TRUE			SR60686003		Repack
35902	SR60686023	SWB	EMPLACED_CNTR	5/20/2012 10:20	2/20/2012 17:09	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/2/2011	2/10/2012	6/2/2011	2/10/2012		Cell 11 Tru repacking operation SW15.3-SOP-CEL11-03	- Rpkgd was SR60686002	TRUE	TRUE	TRUE			SR60686002		Repack
35903	SR60686024	SWB	EMPLACED_CNTR	9/16/2011 14:21	6/22/2011 15:27	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/2/2011		6/2/2011				- Rpkgd was SR60686002	TRUE	TRUE	TRUE			SR60686002		Repack
35904	SR60686038	SWB	EMPLACED_CNTR	10/4/2011 18:53	6/22/2011 15:31	mccabed	SR-W027-HBL-BOX	S5400		0	6/8/2011		6/8/2011				- Rpkgd was SR60686004	TRUE	TRUE	TRUE			SR60686004		Repack
35905	SR60686039	55G	EMPLACED_CNTR	10/30/2011 11:10	8/30/2011 17:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/8/2011	8/23/2011	6/8/2011	8/23/2011			- Rpkgd was SR60686004	TRUE	TRUE	TRUE			SR60686004		Repack
35906	SR60686040	55G	EMPLACED_CNTR	11/2/2011 21:40	8/30/2011 17:02	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/8/2011	8/24/2011	6/8/2011	8/24/2011			- Rpkgd was SR60686004	TRUE	TRUE	TRUE			SR60686004		Repack
35907	SR60686041	55G	EMPLACED_CNTR	10/30/2011 9:37	8/30/2011 17:03	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/8/2011	8/24/2011	6/8/2011	8/24/2011			- Rpkgd was SR60686004 - Rpkgd into SR60686044	TRUE	TRUE	TRUE					
35908	SR60686042	55G	EMPLACED_CNTR	11/2/2011 21:40	8/30/2011 17:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/8/2011	8/24/2011	6/8/2011	8/24/2011			- Rpkgd was SR60686004	TRUE	TRUE	TRUE			SR60686004		Repack
35909	SR60686044	55G	EMPLACED_CNTR	11/7/2011 22:37	8/30/2011 17:03	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/24/2011		8/24/2011				- Rpkgd was SR60686041	TRUE	TRUE	TRUE			SR60686041	SR60686004	Repack
35910	SR60686045	55G	EMPLACED_CNTR	5/6/2012 12:37	3/6/2012 10:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/22/2011	1/30/2012	9/22/2011	1/30/2012			- Rpkgd was SR60686015	TRUE	TRUE	TRUE			SR60686015	SR60686003	Repack
35911	SR60686110	SWB	EMPLACED_CNTR	4/22/2012 9:34	8/9/2011 16:19	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/6/2011	8/5/2011	1/6/2011	8/5/2011		Repackaged from SR60686101	- Rpkgd into SR60686144 - Rpkgd into SR60686160 - Rpkgd into SR60686161 - Rpkgd into SR60686162 - Rpkgd into SR60686163	TRUE	TRUE	TRUE					
35912	SR60686116	SWB	EMPLACED_CNTR	8/21/2011 11:11	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			9/7/2006	1/12/2011	9/7/2006	1/12/2011		PCB Bulk Product Waste - Non Leachable	Rpkgd Was SR60686103	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686103		Repack
35913	SR60686117	SWB	EMPLACED_CNTR	5/23/2011 22:56	4/28/2011 6:00	ldcwebuser	SR-W027-HBL-BOX	S5400		0	1/22/2011		1/22/2011		7/17/2011	Parent Container SR60686102		TRUE	TRUE	TRUE					
35914	SR60686118	SWB	EMPLACED_CNTR	4/12/2012 15:08	11/15/2011 14:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/22/2011	11/10/2011	1/22/2011	11/10/2011		Parent Container SR60686102	- Rpkgd into SR60686170	TRUE	TRUE	TRUE					
35915	SR60686120	SWB	EMPLACED_CNTR	10/4/2011 23:07	6/2/2011 9:52	mccabed	SR-W027-HBL-BOX	S5400		0	5/22/2011		5/22/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686104	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686104		Daughter
35916	SR60686121	SWB	EMPLACED_CNTR	4/3/2012 15:06	12/7/2011 15:53	mccabed	SR-W027-HBL-BOX	S5400		0	5/22/2011	12/2/2011	5/22/2011	12/2/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686104	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686104		Daughter
35917	SR60686122	55G	EMPLACED_CNTR	5/11/2012 14:42	6/2/2011 9:53	mccabed	SR-W027-HBL-BOX	S5400		0	5/22/2011		5/22/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686104	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686104		Daughter
35918	SR60686123	55G	EMPLACED_CNTR	4/11/2012 15:02	6/2/2011 9:54	mccabed	SR-W027-HBL-BOX	S5400		0	5/22/2011		5/22/2011				- Rpkgd was SR60686104	TRUE	TRUE	TRUE			SR60686104		Daughter
35919	SR60686125	55G	EMPLACED_CNTR	9/15/2011 19:35	6/2/2011 9:55	mccabed	SR-W027-HBL-BOX	S5400		0	5/22/2011		5/22/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686104	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686104		Daughter
35920	SR60686126	55G	EMPLACED_CNTR	2/18/2012 9:38	6/28/2011 15:26	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/7/2011	6/15/2011	6/7/2011	6/15/2011			- Rpkgd was SR60686107	TRUE	TRUE	TRUE			SR60686107		Daughter
35921	SR60686127	55G	EMPLACED_CNTR	1/8/2012 14:22	6/28/2011 15:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/7/2011	6/15/2011	6/7/2011	6/15/2011			- Rpkgd was SR60686107	TRUE	TRUE	TRUE			SR60686107		Daughter
35922	SR60686128	55G	EMPLACED_CNTR	10/5/2011 18:16	6/28/2011 15:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/7/2011	6/16/2011	6/7/2011	6/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686107	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686107		Daughter
35923	SR60686129	55G	EMPLACED_CNTR	12/15/2012 10:55	9/27/2011 16:57	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/7/2011	6/16/2011	6/7/2011	6/16/2011		Changed to Non-PCB/E-mail J. Price 9/6/11	- Rpkgd was SR60686107 - Rpkgd into SR60686131	TRUE	TRUE	TRUE	NA				
35924	SR60686130	55G	EMPLACED_CNTR	10/3/2011 20:00	6/28/2011 15:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/7/2011	6/16/2011	6/7/2011	6/16/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686107 - Rpkgd into SR60686132	TRUE	TRUE	TRUE	Yes	10/13/2005			
35925	SR60686131	55G	EMPLACED_CNTR	10/30/2011 10:05	6/28/2011 15:24	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/16/2011		6/16/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686129	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686129	SR60686107	Daughter
35926	SR60686132	55G	EMPLACED_CNTR	10/30/2011 13:05	6/28/2011 15:23	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/16/2011		6/16/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686130	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686130	SR60686107	Daughter
35927	SR60686133	55G	EMPLACED_CNTR	10/30/2011 10:06	7/26/2011 9:21	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/27/2011	7/22/2011	6/27/2011	7/22/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686108		Daughter
35928	SR60686134	55G	EMPLACED_CNTR	10/30/2011 10:06	7/26/2011 9:22	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/27/2011	7/22/2011	6/27/2011	7/22/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686108		Daughter
35929	SR60686135	55G	EMPLACED_CNTR	10/30/2011 11:10	8/1/2011 17:50	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/27/2011	7/22/2011	6/27/2011	7/22/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686108 - Rpkgd into SR60686143	TRUE	TRUE	TRUE	Yes	10/13/2005			
35930	SR60686137	55G	EMPLACED_CNTR	10/30/2011 11:10	8/1/2011 17:53	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/27/2011	7/22/2011	6/27/2011	7/22/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686108	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686108		Daughter
35931	SR60686138	55G	EMPLACED_CNTR	2/17/2012 15:57	8/1/2011 17:53	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/27/2011	7/22/2011	6/27/2011	7/22/2011			- Rpkgd was SR60686108	TRUE	TRUE	TRUE			SR60686108		Daughter
35932	SR60686140	55G	EMPLACED_CNTR	7/21/2012 10:34	3/6/2012 10:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/28/2011	1/31/2012	9/1/2011	1/31/2012			- Rpkgd was SR60686119	TRUE	TRUE	TRUE			SR60686119		Daughter
35933	SR60686141	55G	EMPLACED_CNTR	11/7/2011 22:37	9/8/2011 17:05	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/28/2011	9/6/2011	7/28/2011	9/6/2011			- Rpkgd was SR60686119	TRUE	TRUE	TRUE			SR60686119		Daughter
35934	SR60686143	55G	EMPLACED_CNTR	5/17/2012 14:15	8/1/2011 17:50	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/22/2011		7/22/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR60686135	TRUE	TRUE	TRUE	Yes	10/13/2005	SR60686135	SR60686108	Daughter
35935	SR60686144	55G	EMPLACED_CNTR	12/4/2011 13:46	8/9/2011 16:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/5/2011		8/5/2011				- Rpkgd was SR60686110	TRUE	TRUE	TRUE			SR60686110		Daughter
35936	SR60686145	55G	EMPLACED_CNTR	3/3/2012 14:34	9/27/2011 16:20	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/26/2011	9/1/2011	7/26/2011	9/1/2011		Changed to Non-PCB/E-mail J. Price 8/15/11	- Rpkgd was SR60686111	TRUE	TRUE	TRUE	NA		SR60686111		Daughter
35937	SR60686146	55G	EMPLACED_CNTR	2/18/2012 9:39	8/1/2011 17:52	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/22/2011		7/22/2011				- Rpkgd was SR60686136	TRUE	TRUE	TRUE			SR60686136	SR60686108	Daughter
35938	SR60686148	55G	EMPLACED_CNTR	6/9/2012 10:58	9/27/2011 16:21	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/26/2011		7/26/2011			Changed to Non-PCB/E-mail J. Price 8/15/11	- Rpkgd was SR60686111	TRUE	TRUE	TRUE	NA		SR60686111		Daughter
35939	SR60686150	55G	EMPLACED_CNTR	12/4/2011 13:46	9/27/2011 16:25	mccabed	SR-W027-HBL-BOX	S5400	None	0	7/26/2011		7/26/2011			Changed to Non-PCB/E-mail J. Price 8/15/11	- Rpkgd was SR60686111	TRUE	TRUE	TRUE	NA		SR60686111		Daughter
35940	SR60686153	55G	EMPLACED_CNTR	11/7/2011 22:37	9/27/2011 16:28	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/26/2011	8/31/2011	7/26/2011	8/31/2011		Changed to Non-PCB/E-mail J. Price 8/15/11	- Rpkgd was SR60686111	TRUE	TRUE	TRUE	NA		SR60686111		Daughter
35941	SR60686154	55G	EMPLACED_CNTR	12/4/2011 13:46	8/8/2011 11:26	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/1/2011		8/1/2011				- Rpkgd was SR60686113	TRUE	TRUE	TRUE			SR60686113		Daughter
35942	SR60686155	55G	EMPLACED_CNTR	11/8/2011 0:05	9/8/2011 16:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/1/2011	9/1/2011	8/1/2011	9/1/2011			- Rpkgd was SR60686113	TRUE	TRUE	TRUE			SR60686113		Daughter
35943	SR60686156	55G	EMPLACED_CNTR	12/4/2011 13:46	8/8/2011 11:27	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/1/2011		8/1/2011				- Rpkgd was SR60686113	TRUE	TRUE	TRUE			SR60686113		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
35944	SR60686157	SSG	EMPLACED_CNTR	12/4/2011 13:46	8/8/2011 11:27	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/1/2011		8/1/2011				- Rpkgd was SR60686113	TRUE	TRUE	TRUE			SR60686113		Daughter
35945	SR60686158	SSG	EMPLACED_CNTR	12/4/2011 13:46	8/8/2011 11:28	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/1/2011		8/1/2011				- Rpkgd was SR60686113	TRUE	TRUE	TRUE			SR60686113		Daughter
35946	SR60686159	SSG	EMPLACED_CNTR	12/4/2011 13:46	8/8/2011 11:28	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/1/2011		8/1/2011				- Rpkgd was SR60686110	TRUE	TRUE	TRUE			SR60686110		Daughter
35947	SR60686161	SSG	EMPLACED_CNTR	11/4/2012 13:30	8/8/2011 16:18	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/5/2011		8/5/2011				- Rpkgd was SR60686110	TRUE	TRUE	TRUE			SR60686110		Daughter
35948	SR60686162	SSG	EMPLACED_CNTR	4/27/2012 9:57	9/8/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/5/2011	8/31/2011	8/5/2011	8/31/2011			- Rpkgd was SR60686110	TRUE	TRUE	TRUE			SR60686110		Daughter
35949	SR60686163	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/9/2011 16:19	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/5/2011		8/5/2011				- Rpkgd was SR60686110	TRUE	TRUE	TRUE			SR60686110		Daughter
35950	SR60686164	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/22/2011 15:15	mccabed	SR-W027-HBL-BOX	S5400	None		8/11/2011		8/11/2011				- Rpkgd was SR60686114	TRUE	TRUE	TRUE			SR60686114	SR60686103	Repack
35951	SR60686165	SSG	EMPLACED_CNTR	1/4/2012 10:29	9/29/2011 10:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/11/2011	9/23/2011	8/11/2011	9/23/2011			- Rpkgd was SR60686114	TRUE	TRUE	TRUE			SR60686114		Daughter
35952	SR60686166	SSG	EMPLACED_CNTR	2/18/2012 9:39	8/22/2011 15:16	mccabed	SR-W027-HBL-BOX	S5400	None		8/11/2011		8/11/2011				- Rpkgd was SR60686114	TRUE	TRUE	TRUE			SR60686114		Daughter
35953	SR60686167	SSG	EMPLACED_CNTR	7/21/2012 10:34	3/26/2012 17:04	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/23/2011	3/21/2012	9/23/2011	3/21/2012			- Rpkgd was SR60686114 - Rpkgd into SR60686169	TRUE	TRUE	TRUE					
35954	SR60686168	SSG	EMPLACED_CNTR	11/16/2011 8:53	1/13/2012 11:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/11/2011	9/22/2011	8/11/2011	9/22/2011		The remediation procedure was sent on 011212. The remediation procedure creating this daughter drum was sent on 011214.	- Rpkgd was SR60686114 - Rpkgd was SR60686168	TRUE	TRUE	TRUE			SR60686168	SR60686114	Daughter
35955	SR60686169	SSG	EMPLACED_CNTR	4/11/2012 15:02	1/13/2012 11:46	mccabed	SR-W027-HBL-BOX	S5400	None		9/22/2011		9/22/2011				- Rpkgd was SR60686118	TRUE	TRUE	TRUE			SR60686118		Daughter
35956	SR60686170	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/18/2012 18:22	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/10/2011	1/12/2012	11/10/2011	1/12/2012											
35957	SR61016009	SWB	EMPLACED_CNTR	4/23/2011 10:44	4/28/2011 6:00	WIPPNET\SCILMaster	SR-W027-HBL-BOX	S5400		0	1/5/2011		1/5/2011		6/30/2011	Repackaged from SR61016001 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
35958	SR61016010	SWB	EMPLACED_CNTR	9/27/2012 13:24	3/8/2012 15:38	mccabed	SR-W027-HBL-BOX	S5400		0	1/5/2011	3/7/2012	1/5/2011	3/7/2012		Repackaged from SR61016001 - PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03	- Rpkgd into SR61016021 - Rpkgd into SR61016022 - Rpkgd into SR61016020	TRUE	TRUE	TRUE	Yes	10/13/2005			
35959	SR61016011	SWB	EMPLACED_CNTR	5/5/2011 15:25	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	1/28/2011		1/28/2011		7/23/2011	Parent Container SR61016004		TRUE	TRUE	TRUE					
35960	SR61016012	SWB	EMPLACED_CNTR	4/10/2012 15:09	11/23/2011 9:41	mccabed	SR-W027-HBL-BOX	S5400		0	1/28/2011	11/21/2011	1/28/2011	11/21/2011		Parent Container SR61016004		TRUE	TRUE	TRUE					
35961	SR61016013	SSG	EMPLACED_CNTR	8/11/2011 18:21	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/27/2011	3/23/2011	1/27/2011	3/23/2011	7/22/2011	Parent Container SR61016004	- Rpkgd into SR61016024	TRUE	TRUE	TRUE					
35962	SR61016014	SSG	EMPLACED_CNTR	8/11/2011 18:21	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/27/2011	3/23/2011	1/27/2011	3/23/2011	7/22/2011	Parent Container SR61016004		TRUE	TRUE	TRUE					
35963	SR61016015	SWB	EMPLACED_CNTR	8/18/2011 19:43	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			10/11/2006	3/21/2011	10/11/2006	3/21/2011			- Rpkgd Was SR61016005	TRUE	TRUE	TRUE			SR61016005		Repack
35964	SR61016016	SWB	EMPLACED_CNTR	8/18/2011 19:44	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			10/11/2006	3/21/2011	10/11/2006	3/21/2011			- Rpkgd Was SR61016005	TRUE	TRUE	TRUE			SR61016005		Repack
35965	SR61016017	SSG	EMPLACED_CNTR	8/10/2011 19:53	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/11/2006	4/19/2011	10/11/2006	4/19/2011			- Rpkgd Was SR61016005	TRUE	TRUE	TRUE			SR61016		Repack
35966	SR61016018	SSG	EMPLACED_CNTR	8/10/2011 19:53	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/11/2006	4/19/2011		4/19/2011			- Rpkgd Was SR61016005 - Rpkgd into SR61016042	TRUE	TRUE	TRUE			SR61016		Repack
35967	SR61016019	SSG	EMPLACED_CNTR	8/10/2011 19:53	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/11/2006	4/19/2011		4/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03										
35968	SR61016020	SSG	EMPLACED_CNTR	7/15/2012 13:24	3/8/2012 15:38	mccabed	SR-W027-HBL-BOX	S5400		0	3/7/2012		3/7/2012				- Rpkgd was SR61016010	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016010		Daughter
35969	SR61016021	SSG	EMPLACED_CNTR	5/30/2012 9:05	3/8/2012 15:31	mccabed	SR-W027-HBL-BOX	S5400		0	3/7/2012		3/7/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03	- Rpkgd was SR61016010	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016010		Daughter
35970	SR61016022	SSG	EMPLACED_CNTR	7/15/2012 13:24	3/8/2012 15:34	mccabed	SR-W027-HBL-BOX	S5400		0	3/7/2012		3/7/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; SW15.3-SOP-CEL11-03	- Rpkgd was SR61016010	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016010		Daughter
35971	SR61016024	SSG	EMPLACED_CNTR	8/10/2011 0:19	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			1/27/2011	3/23/2011	1/27/2011	3/23/2011			- Rpkgd was SR61016013	TRUE	TRUE	TRUE			SR61016013		Daughter
35972	SR61016025	SWB	EMPLACED_CNTR	9/14/2011 20:00	6/2/2011 10:11	mccabed	SR-W027-HBL-BOX	S5400		0	5/17/2011		5/17/2011				- Rpkgd was SR61016002	TRUE	TRUE	TRUE			SR61016002		Daughter
35973	SR61016026	SWB	EMPLACED_CNTR	9/29/2011 23:37	6/2/2011 10:11	mccabed	SR-W027-HBL-BOX	S5400		0	5/17/2011		5/17/2011				- Rpkgd was SR61016002	TRUE	TRUE	TRUE			SR61016002		Daughter
35974	SR61016029	SSG	EMPLACED_CNTR	9/15/2011 22:21	6/2/2011 10:13	mccabed	SR-W027-HBL-BOX	S5400		0	5/17/2011		5/17/2011				- Rpkgd was SR61016002	TRUE	TRUE	TRUE			SR61016002		Daughter
35975	SR61016031	SSG	EMPLACED_CNTR	9/15/2011 22:21	6/2/2011 10:14	mccabed	SR-W027-HBL-BOX	S5400		0	5/17/2011		5/17/2011				- Rpkgd was SR61016002	TRUE	TRUE	TRUE			SR61016002		Daughter
35976	SR61016032	SSG	EMPLACED_CNTR	12/4/2011 13:12	10/18/2011 18:04	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/17/2011	10/14/2011	5/17/2011	10/14/2011			Parent is SR61016019	TRUE	TRUE	TRUE					
35977	SR61016042	SSG	EMPLACED_CNTR	8/15/2011 23:35	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	None		4/19/2011		4/19/2011												
35978	SR61016043	SSG	EMPLACED_CNTR	10/25/2012 15:30	9/8/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/25/2011	8/31/2011	7/25/2011	8/31/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016007	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016007		Daughter
35979	SR61016044	SSG	EMPLACED_CNTR	10/25/2012 15:30	9/8/2011 16:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/25/2011	9/1/2011	7/25/2011	9/1/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016007	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016007		Daughter
35980	SR61016045	SSG	EMPLACED_CNTR	12/15/2012 10:54	9/8/2011 16:27	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/25/2011	9/1/2011	7/25/2011	9/1/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016007	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016007		Daughter
35981	SR61016046	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/8/2011 16:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	7/25/2011	9/1/2011	7/25/2011	9/1/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016007 - Rpkgd into SR61016048	TRUE	TRUE	TRUE	Yes	10/13/2005			
35982	SR61016048	SSG	APPROVED_CERT		9/8/2011 16:23	mccabed	SR-W027-HBL-BOX	S5400	None	0	9/1/2011		9/1/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016046	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016046	SR61016007	Daughter
35983	SR61016207	SWB	APPROVED_CERT		8/22/2011 15:42	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/30/2010	8/16/2011	12/30/2010	8/16/2011		Repackaged from SR61016203	- Rpkgd into SR61016255 - Rpkgd into SR61016256 - Rpkgd into SR61016257 - Rpkgd into SR61016258 - Rpkgd into SR61016259 - Rpkgd into SR61016260	TRUE	TRUE	TRUE					
35984	SR61016208	SWB	EMPLACED_CNTR	4/4/2012 15:23	10/21/2011 8:03	mccabed	SR-W027-HBL-BOX	S5400		0	12/30/2010	9/26/2011	12/30/2010	9/26/2011		Repackaged from SR61016203	- Rpkgd into SR61016264 - Rpkgd into SR61016263	TRUE	TRUE	TRUE					
35985	SR61016210	SWB	EMPLACED_CNTR	6/1/2011 23:24	4/28/2011 6:00	idcwebuser	SR-W027-HBL-BOX	S5400		0	12/30/2010		12/30/2010		6/24/2011	Repackaged from SR61016203		TRUE	TRUE	TRUE					
35986	SR61016211	SWB	EMPLACED_CNTR	3/2/2012 12:45	9/27/2011 15:48	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/13/2006	9/23/2011	10/13/2006	9/23/2011			- Rpkgd Was SR61016205 - Rpkgd into SR61016274 - Rpkgd into SR61016274	TRUE	TRUE	TRUE					
35987	SR61016212	SSG	EMPLACED_CNTR	12/4/2011 13:12	10/18/2011 16:36	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/5/2011	10/17/2011	3/5/2011	10/17/2011			- Rpkgd was SR61016205	TRUE	TRUE	TRUE			SR61016205		Repack
35988	SR61016214	SSG	EMPLACED_CNTR	12/4/2011 13:12	10/18/2011 18:03	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/5/2011	10/14/2011	3/5/2011	10/14/2011			- Rpkgd Was SR61016205 - Rpkgd into SR61016297	TRUE	TRUE	TRUE					
35989	SR61016215	SSG	EMPLACED_CNTR	12/14/2011 13:49	10/21/2011 9:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/5/2011	10/17/2011	3/5/2011	10/17/2011			- Rpkgd Was SR61016205	TRUE	TRUE	TRUE			SR61016205		Repack
35990	SR61016216	SWB	EMPLACED_CNTR	9/29/2011 22:42	6/2/2011 10:20	mccabed	SR-W027-HBL-BOX	S5400		0	5/18/2011		5/18/2011				- Rpkgd was SR61016202	TRUE	TRUE	TRUE			SR61016202		Daughter
35991	SR61016217	SWB	EMPLACED_CNTR	9/14/2011 20:02	6/2/2011 10:21	mccabed	SR-W027-HBL-BOX	S5400		0	5/18/2011		5/18/2011				- Rpkgd was SR61016202	TRUE	TRUE	TRUE			SR61016202		Daughter
35992	SR61016219	SSG	EMPLACED_CNTR	9/1/2011 23:35	6/2/2011 10:22	mccabed	SR-W027-HBL-BOX	S5400		0	5/18/2011		5/18/2011				- Rpkgd was SR61016202	TRUE	TRUE	TRUE			SR61016202		Daughter
35993	SR61016220	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/30/2011 17:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/18/2011	8/24/2011	5/18/2011	8/24/2011			- Rpkgd was SR61016202 - Rpkgd into SR61016262	TRUE	TRUE	TRUE					
35994	SR61016221	SSG	EMPLACED_CNTR	4/26/2013 14:53	8/30/2011 14:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/18/2011	8/25/2011	5/18/2011	8/25/2011			- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239	SR61016201	Repack
35995	SR61016223	SSG	EMPLACED_CNTR	2/18/2012 9:39	12/1/2011 10:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/19/2011	11/29/2011	10/19/2011	11/29/2011			- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
35996	SR61016224	SSG	EMPLACED_CNTR	8/25/2011 22:31	5/12/2011 19:50	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
35997	SR61016225	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:51	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
35998	SR61016226	SSG	EMPLACED_CNTR	8/25/2011 22:31	5/12/2011 19:51	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
35999	SR61016227	SSG	EMPLACED_CNTR	8/25/2011 22:31	5/12/2011 19:51	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36000	SR61016228	SSG	EMPLACED_CNTR	12/14/2011 13:49	10/21/2011 9:32	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	10/17/2011	4/26/2011	10/17/2011			- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36001	SR61016229	SSG	EMPLACED_CNTR	8/25/2011 22:31	5/12/2011 19:52	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36002	SR61016232	SSG	EMPLACED_CNTR	9/1/2011 23:35	6/28/2011 15:43	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	6/20/2011	4/26/2011	6/20/2011			- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36003	SR61016233	SSG	EMPLACED_CNTR	8/25/2011 22:12	5/12/2011 19:53	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206 - Rpkgd into SR61016286	TRUE	TRUE	TRUE					
36004	SR61016235	SSG	EMPLACED_CNTR	12/16/2011 13:49	10/21/2011 9:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	10/17/2011	4/26/2011	10/17/2011			- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36005	SR61016236	SSG	EMPLACED_CNTR	11/3/2011 23:21	8/30/2011 17:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	8/24/2011	4/26/2011	8/24/2011			- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36006	SR61016237	SSG	EMPLACED_CNTR	11/7/2011 22:37	8/30/2011 14:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	8/25/2011	4/26/2011	8/25/2011			- Rpkgd was SR61016206 - Rpkgd into SR61016242	TRUE	TRUE	TRUE					
36007	SR61016238	SSG	EMPLACED_CNTR	5/11/2012 14:42	10/21/2011 9:38	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/26/2011	10/18/2011	4/26/2011	10/18/2011											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36008	SR61016239	SWB	EMPLACED_CNTR	4/21/2012 13:38	2/11/2012 18:15	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	6/1/2011	12/15/2011	6/1/2011	12/15/2011			- Rpkgd was SR61016201 - Rpkgd into SR61016223 - Rpkgd into SR61016241 - Rpkgd into SR61016243 - Rpkgd into SR61016244 - Rpkgd into SR61016245 - Rpkgd into SR61016246 - Rpkgd into SR61016298	TRUE	TRUE	TRUE					
36009	SR61016241	SSG	EMPLACED_CNTR	3/21/2012 14:58	12/15/2011 10:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/19/2011	12/6/2011	10/19/2011	12/6/2011			- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239		Daughter
36010	SR61016243	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/7/2011 15:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/19/2011	12/2/2011	10/19/2011	12/2/2011			- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239		Daughter
36011	SR61016244	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/7/2011 15:55	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/19/2011	12/2/2011	10/19/2011	12/2/2011			- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239		Daughter
36012	SR61016246	SSG	EMPLACED_CNTR	5/11/2012 14:42	12/7/2011 15:57	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/19/2011	12/2/2011	10/19/2011	12/2/2011			- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239		Daughter
36013	SR61016254	SSG	EMPLACED_CNTR	8/25/2011 22:12	5/12/2011 19:56	mccabed	SR-W027-HBL-BOX	S5400		0	4/26/2011		4/26/2011				- Rpkgd was SR61016206	TRUE	TRUE	TRUE			SR61016206		Repack
36014	SR61016255	SSG	EMPLACED_CNTR	12/4/2011 13:46	8/22/2011 15:40	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/16/2011		8/16/2011				- Rpkgd was SR61016207	TRUE	TRUE	TRUE			SR61016207		Daughter
36015	SR61016256	SSG	EMPLACED_CNTR	12/4/2011 13:46	10/5/2011 13:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/16/2011	9/28/2011	8/16/2011	9/28/2011			- Rpkgd was SR61016207	TRUE	TRUE	TRUE			SR61016207		Daughter
36016	SR61016258	SSG	EMPLACED_CNTR	1/4/2012 10:29	9/29/2011 10:13	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/16/2011	9/23/2011	8/16/2011	9/23/2011			- Rpkgd was SR61016207	TRUE	TRUE	TRUE			SR61016207		Daughter
36017	SR61016259	SSG	EMPLACED_CNTR	1/4/2012 10:29	9/29/2011 10:12	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/16/2011	9/23/2011	8/16/2011	9/23/2011			- Rpkgd was SR61016207 - Rpkgd into SR61016283	TRUE	TRUE	TRUE					
36018	SR61016262	SSG	EMPLACED_CNTR	4/27/2012 9:53	8/30/2011 14:56	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/25/2011		8/25/2011				- Rpkgd was SR61016221	TRUE	TRUE	TRUE			SR61016221	SR61016202	Daughter
36019	SR61016263	SSG	EMPLACED_CNTR	3/31/2012 15:25	1/18/2012 17:16	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/26/2011	1/5/2012	9/26/2011	1/5/2012			- Rpkgd was SR61016208	TRUE	TRUE	TRUE			SR61016208		Daughter
36020	SR61016264	SSG	EMPLACED_CNTR	4/14/2012 14:54	1/30/2012 16:04	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/26/2011	1/25/2012	9/26/2011	1/25/2012			- Rpkgd was SR61016208	TRUE	TRUE	TRUE			SR61016208		Daughter
36021	SR61016273	SSG	EMPLACED_CNTR	5/30/2012 9:02	3/6/2012 10:25	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/23/2011	1/31/2012	9/23/2011	1/31/2012			- Rpkgd was SR61016211	TRUE	TRUE	TRUE			SR61016211	SR61016205	Repack
36022	SR61016274	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/30/2012 16:04	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/23/2011	1/24/2012	9/23/2011	1/24/2012			- Rpkgd was SR61016211	TRUE	TRUE	TRUE			SR61016211		Daughter
36023	SR61016283	SSG	EMPLACED_CNTR	12/4/2011 14:20	9/29/2011 10:12	mccabed	SR-W027-HBL-BOX	S5400	None	0	9/23/2011		9/23/2011				- Rpkgd was SR61016259	TRUE	TRUE	TRUE			SR61016259	SR61016207	Daughter
36024	SR61016284	SSG	EMPLACED_CNTR	3/22/2012 14:59	1/27/2012 17:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/29/2011	1/25/2012	9/29/2011	1/25/2012			- Rpkgd was SR61016209	TRUE	TRUE	TRUE			SR61016209		Daughter
36025	SR61016285	SSG	EMPLACED_CNTR	12/11/2011 10:33	10/17/2011 8:06	mccabed	SR-W027-HBL-BOX	S5400		0	9/29/2011		9/29/2011				- Rpkgd was SR61016235	TRUE	TRUE	TRUE			SR61016235	SR61016206	Repack
36026	SR61016286	SSG	EMPLACED_CNTR	12/16/2011 13:49	10/21/2011 9:41	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/17/2011		10/17/2011				- Rpkgd was SR61016214	TRUE	TRUE	TRUE			SR61016214	SR61016205	Repack
36027	SR61016297	SSG	EMPLACED_CNTR	12/10/2011 14:03	10/18/2011 18:03	mccabed	SR-W027-HBL-BOX	S5400	None		10/14/2011		10/14/2011				- Rpkgd was SR61016239	TRUE	TRUE	TRUE			SR61016239		Daughter
36028	SR61016298	SSG	EMPLACED_CNTR	6/9/2012 10:58	2/11/2012 18:15	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	12/15/2011	1/9/2012	12/15/2011	1/9/2012				TRUE	TRUE	TRUE					
36029	SR61016307	SWB	EMPLACED_CNTR	5/1/2012 14:12	1/11/2012 14:05	mccabed	SR-W027-HBL-BOX	S5400		0	1/24/2011	1/9/2012	1/24/2011	1/9/2012		Parent Container SR61016301								
36030	SR61016308	SWB	EMPLACED_CNTR	11/23/2011 10:16	2/15/2012 11:00	mccabed	SR-W027-HBL-BOX	S5400		0	1/24/2011	9/28/2011	1/24/2011	9/28/2011		Parent Container SR61016301; TGreeenwood found and sent the SW15.3-SOP-CEL11-03 procedure which creates the daughter drum 021512.	- Rpkgd into SR61016387	TRUE	TRUE	TRUE					
36031	SR61016310	SWB	EMPLACED_CNTR	9/18/2012 15:19	6/7/2012 15:47	mccabed	SR-W027-HBL-BOX	S5400		0	4/13/2011		4/13/2011			Added per JSchoen email 050412	- Rpkgd was SR61016305	TRUE	TRUE	TRUE			SR61016305		Repack
36032	SR61016311	SWB	EMPLACED_CNTR	9/29/2011 22:43	5/2/2011 15:04	mccabed	SR-W027-HBL-BOX	S5400		0	4/13/2011		4/13/2011				- Rpkgd was SR61016305	TRUE	TRUE	TRUE			SR61016305		Repack
36033	SR61016312	SSG	EMPLACED_CNTR	9/1/2011 23:35	5/2/2011 15:04	mccabed	SR-W027-HBL-BOX	S5400		0	4/13/2011		4/13/2011				- Rpkgd was SR61016305	TRUE	TRUE	TRUE			SR61016305		Repack
36034	SR61016313	SSG	EMPLACED_CNTR	9/22/2011 22:54	7/1/2011 13:02	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/13/2011	6/28/2011	4/13/2011	6/28/2011			- Rpkgd was SR61016305	TRUE	TRUE	TRUE			SR61016305		Repack
36035	SR61016314	SSG	EMPLACED_CNTR	8/11/2011 18:20	5/2/2011 15:05	mccabed	SR-W027-HBL-BOX	S5400		0	4/13/2011		4/13/2011				- Rpkgd was SR61016305	TRUE	TRUE	TRUE			SR61016305		Repack
36036	SR61016315	SSG	EMPLACED_CNTR	4/4/2013 15:25	7/12/2012 13:49	mccabed	SR-W027-HBL-BOX	S5400		0	4/20/2012	6/27/2012	4/20/2012	6/27/2012		SW15.3-SOP-CEL11-03; 221-F-55037 Remediation of TRU Drums.	- Rpkgd was SR61016303 - Rpkgd was SR61016335	TRUE	TRUE	TRUE			SR61016335	SR61016303	Daughter
36037	SR61016318	SWB	EMPLACED_CNTR	1/4/2012 10:18	9/26/2011 9:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/4/2011	9/20/2011	4/4/2011	9/20/2011			- Rpkgd was SR61016302 - Rpkgd into SR61016377	TRUE	TRUE	TRUE					
36038	SR61016319	SSG	EMPLACED_CNTR	8/11/2011 18:20	5/2/2011 15:06	mccabed	SR-W027-HBL-BOX	S5400		0	4/4/2011		4/4/2011				- Rpkgd was SR61016302	TRUE	TRUE	TRUE			SR61016302		Repack
36039	SR61016320	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:47	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/4/2011	10/31/2011	4/4/2011	10/31/2011			- Rpkgd was SR61016302 - Rpkgd into SR61016392	TRUE	TRUE	TRUE					
36040	SR61016321	SSG	EMPLACED_CNTR	9/9/2011 0:22	5/24/2011 15:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/4/2011	5/20/2011	4/4/2011	5/20/2011			- Rpkgd was SR61016302 - Rpkgd into SR61016364	TRUE	TRUE	TRUE					
36041	SR61016322	SSG	EMPLACED_CNTR	8/11/2011 18:20	5/2/2011 15:07	mccabed	SR-W027-HBL-BOX	S5400		0	4/4/2011		4/4/2011				- Rpkgd was SR61016302	TRUE	TRUE	TRUE			SR61016302		Repack
36042	SR61016323	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/2/2011 15:08	mccabed	SR-W027-HBL-BOX	S5400		0	4/4/2011		4/4/2011				- Rpkgd was SR61016302	TRUE	TRUE	TRUE			SR61016302		Repack
36043	SR61016324	SSG	EMPLACED_CNTR	10/20/2012 9:39	5/2/2011 15:08	mccabed	SR-W027-HBL-BOX	S5400		0	4/4/2011		4/4/2011				- Rpkgd was SR61016302	TRUE	TRUE	TRUE			SR61016302		Repack
36044	SR61016325	SSG	EMPLACED_CNTR	9/9/2011 0:22	6/8/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/4/2011	5/31/2011	4/4/2011	5/31/2011			- Rpkgd was SR61016304	TRUE	TRUE	TRUE			SR61016304		Repack
36045	SR61016328	SSG	EMPLACED_CNTR	9/9/2011 0:22	6/13/2011 16:55	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/13/2006	6/7/2011	9/13/2006	6/7/2011			- Rpkgd Was SR61016304	TRUE	TRUE	TRUE			SR61016304		Repack
36046	SR61016329	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			9/13/2006	4/3/2011	9/13/2006	4/3/2011			- Rpkgd Was SR61016304	TRUE	TRUE	TRUE			SR61016304		Repack
36047	SR61016330	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			9/13/2006	4/3/2011	9/13/2006	4/3/2011			- Rpkgd Was SR61016304 - Rpkgd into SR61016365	TRUE	TRUE	TRUE					
36048	SR61016331	SSG	EMPLACED_CNTR	9/8/2011 23:14	5/24/2011 15:43	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/13/2006	5/20/2011	9/13/2006	5/20/2011			- Rpkgd Was SR61016304	TRUE	TRUE	TRUE			SR61016304		Repack
36049	SR61016332	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/8/2011 16:48	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/13/2006	6/1/2011	9/13/2006	6/1/2011			- Rpkgd Was SR61016304	TRUE	TRUE	TRUE			SR61016304		Repack
36050	SR61016333	SSG	EMPLACED_CNTR	9/8/2011 23:14	5/24/2011 15:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/13/2006	5/20/2011	9/13/2006	5/20/2011			- Rpkgd was SR61016303	TRUE	TRUE	TRUE			SR61016303		Daughter
36051	SR61016334	SWB	EMPLACED_CNTR	4/4/2012 15:23	6/2/2011 10:25	mccabed	SR-W027-HBL-BOX	S5400		0	5/8/2011		5/8/2011				- Rpkgd was SR61016303 - Rpkgd into SR61016315	TRUE	TRUE	TRUE					
36052	SR61016335	SWB	EMPLACED_CNTR	9/26/2012 13:16	4/27/2012 14:27	mccabed	SR-W027-HBL-BOX	S5400		0	5/8/2011	4/20/2012	5/8/2011	4/20/2012		SW15.3-SOP-CEL11-03	- Rpkgd was SR61016303	TRUE	TRUE	TRUE			SR61016303		Daughter
36053	SR61016339	SSG	EMPLACED_CNTR	8/25/2011 22:12	6/2/2011 10:27	mccabed	SR-W027-HBL-BOX	S5400		0	5/8/2011		5/8/2011				- Rpkgd was SR61016303	TRUE	TRUE	TRUE			SR61016303		Daughter
36054	SR61016340	SSG	EMPLACED_CNTR	10/3/2011 20:00	8/1/2011 17:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/8/2011	7/25/2011	5/8/2011	7/25/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36055	SR61016352	SSG	EMPLACED_CNTR	9/22/2011 22:54	6/28/2011 17:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	6/23/2011	5/9/2011	6/23/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36056	SR61016353	SSG	EMPLACED_CNTR	10/30/2011 11:10	8/17/2011 8:42	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	8/11/2011	5/9/2011	8/11/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36057	SR61016354	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/2/2011 10:33	mccabed	SR-W027-HBL-BOX	S5400		0	5/9/2011		5/9/2011				- Rpkgd was SR61016306 - Rpkgd into SR61016390	TRUE	TRUE	TRUE					
36058	SR61016355	SSG	EMPLACED_CNTR	12/14/2011 13:50	10/21/2011 9:39	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	10/18/2011	5/9/2011	10/18/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36059	SR61016357	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/2/2011 10:34	mccabed	SR-W027-HBL-BOX	S5400		0	5/9/2011		5/9/2011				- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36060	SR61016358	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/28/2011 15:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	6/20/2011	5/9/2011	6/20/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36061	SR61016359	SSG	EMPLACED_CNTR	9/15/2011 19:35	6/2/2011 10:35	mccabed	SR-W027-HBL-BOX	S5400		0	5/9/2011		5/9/2011				- Rpkgd was SR61016306 - Rpkgd into SR61016369	TRUE	TRUE	TRUE					
36062	SR61016360	SSG	EMPLACED_CNTR	9/13/2011 22:21	7/1/2011 12:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	6/29/2011	5/9/2011	6/29/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36063	SR61016361	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/28/2011 17:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	6/23/2011	5/9/2011	6/23/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36064	SR61016362	SSG	EMPLACED_CNTR	9/13/2011 22:21	7/1/2011 12:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/9/2011	6/29/2011	5/9/2011	6/29/2011			- Rpkgd was SR61016306	TRUE	TRUE	TRUE			SR61016306		Daughter
36065	SR61016364	SSG	EMPLACED_CNTR	8/25/2011 19:31	5/24/2011 15:41	mccabed	SR-W027-HBL-BOX	S5400	None	0	5/20/2011		5/20/2011				- Rpkgd was SR61016302 - Rpkgd was SR61016321	TRUE	TRUE	TRUE			SR61016321	SR61016302	Repack
36066	SR61016365	SSG	EMPLACED_CNTR	8/25/2011 19:31	5/24/2011 15:43	mccabed	SR-W027-HBL-BOX	S5400	None		5/20/2011		5/20/2011				- Rpkgd Was SR61016304 - Rpkgd was SR61016331	TRUE	TRUE	TRUE			SR61016331	SR61016304	Repack
36067	SR61016369	SSG	EMPLACED_CNTR	10/30/2011 9:40	7/1/2011 12:58	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/29/2011		6/29/2011				- Rpkgd was SR61016360	TRUE	TRUE	TRUE			SR61016360	SR61016306	Daughter
36068	SR61016377	SSG	EMPLACED_CNTR	12/4/2011 13:46	9/26/2011 9:23	mccabed	SR-W027-HBL-BOX	S5400	None	0	9/20/2011		9/20/2011				- Rpkgd was SR61016318	TRUE	TRUE	TRUE			SR61016318	SR61016302	Repack
36069	SR61016387	SSG	EMPLACED_CNTR	4/11/2012 15:02	2/15/2012 11:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	9/28/2011	1/27/2012	9/28/2011	1/27/2012		TGreeenwood found and sent the SW15.3-SOP-CEL11-03 procedure which creates the daughter drum 021512.	- Rpkgd was SR61016308	TRUE	TRUE	TRUE			SR61016308		Repack
36070	SR61016388	SSG	APPROVED_CERT		5/15/2012 9:31	mccabed	SR-W027-HBL-BOX	S5400			9/28/2011		9/28/2011			JLunsford found and sent the SW15.3-SOP-CEL11-03 procedure which creates the daughter drum 051012.	Parent container is SR61016308 which is EMPLACED.	TRUE	TRUE	TRUE	NA				
36071	SR61016389	SSG	EMPLACED_CNTR	7/21/2012 10:34	3/6/2012 10:26	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/10/2011	1/31/2012	10/10/2011	1/31/2012			- Rpkgd was SR61016309	TRUE	TRUE	TRUE			SR61016309		Daughter
36072	SR61016390	SSG	EMPLACED_CNTR	12/16/2011 13:47	10/21/2011 9:39	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/18/2011		10/18/2011				- Rpkgd was SR61016355	TRUE	TRUE	TRUE			SR61016355	SR61016306	Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36073	SR61016391	SSG	EMPLACED_CNTR	4/11/2012 15:02	1/30/2012 16:33	mccabed	SR-W027-HBL-BOX	S5400	Remediation		11/4/2011	1/12/2012	11/4/2011	1/12/2012		I received Att 8.1, 8.2, 8.3 and 8.4 from Gloria Carson after receiving the 221F remediation procedure.	- Rpkgd Was SR61016304 - Rpkgd was SR61016326	TRUE	TRUE	TRUE			SR61016326	SR61016304	Repack
36074	SR61016392	SSG	EMPLACED_CNTR	7/10/2012 10:05	4/3/2012 17:06	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/31/2011	3/27/2012	10/31/2011	3/27/2012			- Rpkgd was SR61016320	TRUE	TRUE	TRUE			SR61016320	SR61016302	Repack
36075	SR61016407	SWB	EMPLACED_CNTR	5/8/2011 11:22	4/28/2011 6:00	sdewebuser	SR-W027-HBL-BOX	S5400		0	2/1/2011		2/1/2011		7/27/2011	Parent Container SR61016403		TRUE	TRUE	TRUE					
36076	SR61016408	SWB	EMPLACED_CNTR	11/23/2011 10:12	9/1/2011 13:19	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	2/1/2011	8/25/2011	2/1/2011	8/25/2011		Parent Container SR61016403	- Rpkgd into SR61016459 - Rpkgd into SR61016460 - Rpkgd into SR61016461 - Rpkgd into SR61016462	TRUE	TRUE	TRUE					
36077	SR61016409	SWB	EMPLACED_CNTR	9/14/2012 15:19	1/12/2012 16:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	1/10/2012	8/14/2006	1/10/2012			Rpkgd Was SR61016402	TRUE	TRUE	TRUE			SR61016402		Repack
36078	SR61016411	SSG	EMPLACED_CNTR	8/10/2011 0:19	5/20/2011 13:30	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/14/2006	3/23/2011	8/14/2006	3/23/2011			Rpkgd into SR61016402 - Rpkgd into SR61016422	TRUE	TRUE	TRUE					
36079	SR61016412	SSG	EMPLACED_CNTR	3/3/2012 14:35	10/31/2011 9:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation		2/26/2011	10/20/2011	2/26/2011	10/20/2011			Rpkgd Was SR61016402	TRUE	TRUE	TRUE			SR61016402		Repack
36080	SR61016413	SWB	EMPLACED_CNTR	8/20/2011 13:30	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	3/23/2011	8/14/2006	3/23/2011			- Rpkgd Was SR61016404	TRUE	TRUE	TRUE			SR61016404		Repack
36081	SR61016414	SWB	EMPLACED_CNTR	9/8/2011 18:48	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	3/23/2011	8/14/2006	3/23/2011			- Rpkgd Was SR61016404	TRUE	TRUE	TRUE			SR61016404		Repack
36082	SR61016415	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation		8/14/2006	4/19/2011		4/19/2011			- Rpkgd Was SR61016404 - Rpkgd into SR61016438	TRUE	TRUE	TRUE			SR61016		Repack
36083	SR61016416	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	3/23/2011	8/14/2006	3/23/2011			- Rpkgd Was SR61016404	TRUE	TRUE	TRUE			SR61016404		Repack
36084	SR61016417	SSG	EMPLACED_CNTR	7/11/2012 10:34	6/5/2012 9:28	mccabed	SR-W027-HBL-BOX	S5400			5/21/2012		5/21/2012				- Rpkgd was SR61016405 - Rpkgd was SR61016423	TRUE	TRUE	TRUE			SR61016423	SR61016405	Daughter
36085	SR61016418	SSG	EMPLACED_CNTR	8/8/2012 14:42	6/22/2012 8:56	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/7/2012	6/19/2012	6/7/2012	6/19/2012		221-F-S5006 Tru Drum Repackaging	- Rpkgd was SR61016405 - Rpkgd was SR61016424	TRUE	TRUE	TRUE			SR61016424	SR61016405	Daughter
36086	SR61016421	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	3/24/2011	8/14/2006	3/24/2011			Rpkgd Was SR61016402 - Rpkgd Was SR61016410	TRUE	TRUE	TRUE			SR61016410	SR61016402	Repack
36087	SR61016422	SSG	EMPLACED_CNTR	8/11/2011 19:34	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			8/14/2006	3/23/2011	8/14/2006	3/23/2011			Rpkgd Was SR61016402 - Rpkgd Was SR61016411	TRUE	TRUE	TRUE			SR61016411	SR61016402	Repack
36088	SR61016423	SWB	EMPLACED_CNTR	10/9/2012 15:15	8/5/2012 9:28	mccabed	SR-W027-HBL-BOX	S5400		0	5/4/2011	5/21/2012	5/4/2011	5/21/2012		221-F-S5078 TRU Waste Container Remediation	- Rpkgd was SR61016405 - Rpkgd into SR61016417	TRUE	TRUE	TRUE					
36089	SR61016424	SWB	EMPLACED_CNTR	1/6/2013 9:35	6/13/2012 11:09	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/4/2011	6/7/2012	5/4/2011	6/7/2012			- Rpkgd was SR61016405 - Rpkgd into SR61016418	TRUE	TRUE	TRUE					
36090	SR61016427	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/28/2011 15:45	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/4/2011	6/21/2011	5/4/2011	6/21/2011			- Rpkgd was SR61016405 - Rpkgd into SR61016451	TRUE	TRUE	TRUE					
36091	SR61016428	SSG	EMPLACED_CNTR	9/13/2011 22:22	6/28/2011 15:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/4/2011	6/21/2011	5/4/2011	6/21/2011			- Rpkgd was SR61016405	TRUE	TRUE	TRUE			SR61016405		Daughter
36092	SR61016438	SSG	EMPLACED_CNTR	8/15/2011 23:35	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	None		4/19/2011		4/19/2011				Parent is SR61016415	TRUE	TRUE	TRUE					
36093	SR61016440	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/28/2011 17:35	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/23/2011	5/11/2011	6/23/2011			- Rpkgd was SR61016401 - Rpkgd into SR61016457	TRUE	TRUE	TRUE					
36094	SR61016441	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/28/2011 17:36	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/23/2011	5/11/2011	6/23/2011			- Rpkgd was SR61016458 - Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36095	SR61016442	SSG	EMPLACED_CNTR	9/18/2011 13:48	6/2/2011 11:12	mccabed	SR-W027-HBL-BOX	S5400		0	5/11/2011		5/11/2011				- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36096	SR61016443	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/27/2011 12:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/21/2011	5/11/2011	6/21/2011			- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36097	SR61016444	SSG	EMPLACED_CNTR	10/30/2011 13:35	6/27/2011 12:42	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/21/2011	5/11/2011	6/21/2011			- Rpkgd was SR61016401 - Rpkgd into SR61016455	TRUE	TRUE	TRUE					
36098	SR61016445	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/27/2011 12:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/22/2011	5/11/2011	6/22/2011			- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36099	SR61016446	SSG	EMPLACED_CNTR	12/4/2011 13:46	6/28/2011 14:34	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/13/2011	5/11/2011	6/13/2011			- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36100	SR61016447	SSG	EMPLACED_CNTR	10/3/2011 20:00	6/28/2011 15:47	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/22/2011	5/11/2011	6/22/2011			- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36101	SR61016448	SSG	EMPLACED_CNTR	4/29/2012 9:14	6/2/2011 11:16	mccabed	SR-W027-HBL-BOX	S5400		0	5/11/2011		5/11/2011				- Rpkgd was SR61016401	TRUE	TRUE	TRUE			SR61016401		Daughter
36102	SR61016450	SSG	EMPLACED_CNTR	10/2/2011 14:37	6/28/2011 12:37	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/11/2011	6/24/2011	5/11/2011	6/24/2011			- Rpkgd was SR61016427	TRUE	TRUE	TRUE			SR61016427	SR61016405	Daughter
36103	SR61016451	SSG	EMPLACED_CNTR	8/15/2011 19:31	6/28/2011 15:45	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/21/2011		6/21/2011				- Rpkgd was SR61016445	TRUE	TRUE	TRUE			SR61016445	SR61016401	Daughter
36104	SR61016455	SSG	EMPLACED_CNTR	10/2/2011 14:57	6/27/2011 12:44	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/22/2011		6/22/2011				- Rpkgd was SR61016440	TRUE	TRUE	TRUE			SR61016440	SR61016401	Daughter
36105	SR61016457	SSG	EMPLACED_CNTR	9/23/2011 22:54	6/28/2011 17:35	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/23/2011		6/23/2011				- Rpkgd was SR61016441	TRUE	TRUE	TRUE			SR61016441	SR61016401	Daughter
36106	SR61016458	SSG	EMPLACED_CNTR	10/2/2011 14:57	6/28/2011 17:36	mccabed	SR-W027-HBL-BOX	S5400	None	0	6/23/2011		6/23/2011				- Rpkgd was SR61016408	TRUE	TRUE	TRUE			SR61016408		Daughter
36107	SR61016459	SSG	EMPLACED_CNTR	2/18/2012 9:39	11/29/2011 7:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/25/2011	11/21/2011	8/25/2011	11/21/2011			- Rpkgd was SR61016408	TRUE	TRUE	TRUE			SR61016408		Daughter
36108	SR61016460	SSG	EMPLACED_CNTR	2/18/2012 9:39	11/29/2011 7:18	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/25/2011	11/21/2011	8/25/2011	11/21/2011			- Rpkgd was SR61016408	TRUE	TRUE	TRUE			SR61016408		Daughter
36109	SR61016462	SSG	EMPLACED_CNTR	12/10/2011 14:04	9/1/2011 13:19	mccabed	SR-W027-HBL-BOX	S5400	None	0	8/25/2011		8/25/2011				- Rpkgd was SR61016408	TRUE	TRUE	TRUE					
36110	SR61016507	SWB	EMPLACED_CNTR	12/4/2011 9:48	8/8/2011 10:06	mccabed	SR-W027-HBL-BOX	S5400	Remediation		2/21/2006	7/27/2011	3/9/2011	7/27/2011			- Rpkgd Was SR61016503 - Rpkgd into SR61016523 - Rpkgd into SR61016524 - Rpkgd into SR61016519 - Rpkgd into SR61016520	TRUE	TRUE	TRUE					
36111	SR61016508	SWB	EMPLACED_CNTR	11/9/2011 19:18	8/8/2011 11:07	mccabed	SR-W027-HBL-BOX	S5400	Remediation		2/21/2006	7/29/2011	3/9/2011	7/29/2011			- Rpkgd Was SR61016503	TRUE	TRUE	TRUE			SR61016503		Repack
36112	SR61016509	SSG	EMPLACED_CNTR	8/10/2011 19:53	5/16/2011 14:14	mccabed	SR-W027-HBL-BOX	S5400			2/21/2006	3/9/2011	2/21/2006	3/9/2011			- Rpkgd Was SR61016503	TRUE	TRUE	TRUE			SR61016503		Repack
36113	SR61016530	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/16/2011 14:14	mccabed	SR-W027-HBL-BOX	S5400			2/21/2006	3/9/2011	2/21/2006	3/9/2011			- Rpkgd Was SR61016503	TRUE	TRUE	TRUE			SR61016503		Repack
36114	SR61016511	SSG	EMPLACED_CNTR	12/2/2012 14:59	10/24/2011 10:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation		3/9/2011	10/19/2011	3/9/2011	10/19/2011			- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36115	SR61016512	SWB	EMPLACED_CNTR	8/26/2011 11:22	5/2/2011 15:10	mccabed	SR-W027-HBL-BOX	S5400		0	4/17/2011		4/17/2011				- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36116	SR61016513	SWB	EMPLACED_CNTR	8/26/2011 11:18	5/2/2011 15:10	mccabed	SR-W027-HBL-BOX	S5400		0	4/17/2011		4/17/2011				- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36117	SR61016514	SSG	EMPLACED_CNTR	10/20/2012 9:29	5/2/2011 15:10	mccabed	SR-W027-HBL-BOX	S5400		0	4/17/2011		4/17/2011				- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36118	SR61016515	SSG	EMPLACED_CNTR	10/2/2011 14:57	7/20/2011 13:54	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/17/2011	7/14/2011	4/17/2011	7/14/2011			- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36119	SR61016516	SSG	EMPLACED_CNTR	10/5/2011 19:09	8/1/2011 18:00	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	4/17/2011	7/26/2011	4/17/2011	7/26/2011			- Rpkgd was SR61016502	TRUE	TRUE	TRUE			SR61016502		Repack
36120	SR61016517	SSG	EMPLACED_CNTR	10/20/2012 9:29	5/2/2011 15:17	mccabed	SR-W027-HBL-BOX	S5400		0	4/17/2011		4/17/2011				- Rpkgd was SR61016508	TRUE	TRUE	TRUE			SR61016508		Daughter
36121	SR61016520	SSG	EMPLACED_CNTR	11/16/2011 11:02	8/8/2011 11:07	mccabed	SR-W027-HBL-BOX	S5400	None		7/29/2011		7/29/2011				- Rpkgd was SR61016507	TRUE	TRUE	TRUE			SR61016507	SR61016503	Repack
36122	SR61016523	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/8/2011 10:05	mccabed	SR-W027-HBL-BOX	S5400	None		7/27/2011		7/27/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36123	SR61016525	SSG	EMPLACED_CNTR	11/9/2011 22:35	9/7/2011 12:01	mccabed	SR-W027-HBL-BOX	S5400		0	8/23/2011		8/23/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36124	SR61016526	SSG	EMPLACED_CNTR	11/3/2011 23:21	9/7/2011 11:57	mccabed	SR-W027-HBL-BOX	S5400		0	8/22/2011		8/22/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36125	SR61016530	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/8/2011 13:08	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/22/2011	10/28/2011	8/23/2011	10/28/2011			- Rpkgd was SR61016506 - Rpkgd into SR61016544	TRUE	TRUE	TRUE					
36126	SR61016531	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/8/2011 13:09	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/22/2011	10/28/2011	8/23/2011	10/28/2011			- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36127	SR61016532	SSG	EMPLACED_CNTR	11/3/2011 23:21	9/7/2011 11:58	mccabed	SR-W027-HBL-BOX	S5400		0	8/22/2011		8/22/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36128	SR61016533	SSG	EMPLACED_CNTR	11/2/2011 21:40	9/7/2011 12:09	mccabed	SR-W027-HBL-BOX	S5400		0	8/22/2011		8/22/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36129	SR61016534	SSG	EMPLACED_CNTR	2/17/2012 15:57	11/8/2011 16:44	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/22/2011	11/1/2011	8/23/2011	11/1/2011			- Rpkgd was SR61016506 - Rpkgd into SR61016541	TRUE	TRUE	TRUE					
36130	SR61016535	SSG	EMPLACED_CNTR	12/16/2011 13:49	10/27/2011 14:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/22/2011	10/25/2011	8/23/2011	10/25/2011			- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36131	SR61016536	SSG	EMPLACED_CNTR	11/2/2011 21:40	9/7/2011 12:10	mccabed	SR-W027-HBL-BOX	S5400		0	8/22/2011		8/22/2011				- Rpkgd was SR61016506	TRUE	TRUE	TRUE			SR61016506		Repack
36132	SR61016537	SSG	EMPLACED_CNTR	11/2/2011 21:40	9/7/2011 12:10	mccabed	SR-W027-HBL-BOX	S5400		0	8/22/2011		8/22/2011				- Rpkgd was SR61016506 - Rpkgd into SR61016542	TRUE	TRUE	TRUE					
36133	SR61016538	SSG	EMPLACED_CNTR	1/4/2012 10:29	10/27/2011 14:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	8/22/2011	10/25/2011	8/23/2011	10/25/2011			- Rpkgd was SR61016535	TRUE	TRUE	TRUE			SR61016535	SR61016506	Repack
36134	SR61016541	SSG	EMPLACED_CNTR	5/6/2012 12:38	10/27/2011 14:56	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/25/2011		10/25/2011				- Rpkgd was SR61016538	TRUE	TRUE	TRUE			SR61016538	SR61016506	Repack
36135	SR61016542	SSG	EMPLACED_CNTR	12/16/2011 13:47	10/27/2011 14:59	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/25/2011		10/25/2011				- Rpkgd was SR61016531	TRUE	TRUE	TRUE			SR61016531	SR61016506	Repack
36136	SR61016544	SSG	EMPLACED_CNTR	3/28/2012 15:44	11/8/2011 13:09	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/28/2011		10/28/2011					TRUE	FALSE	TRUE	NA				
36137	SR61016605	SUB2	EMPLACED_CNTR	12/16/2012 10:53	7/26/2011 8:25	mccabed	SR-W027-HBL-BOX	S5400			4/25/2006		4/25/2006	4/25/2006											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36138	SR61016705	SLB2	EMPLACED_CNTR	10/19/2012 9:53	8/1/2011 19:00	mccabed	SR-WO27-HBL-BOX	S5400		0	5/31/2011		5/31/2011	5/31/2011		Parent generation date: 5/5/2006	- Rpkgd into SR61016729 - Rpkgd into SR61016730 - Rpkgd into SR61016731 - Rpkgd into SR61016732	TRUE	TRUE	TRUE					
36139	SR61016708	SSG	EMPLACED_CNTR	10/30/2011 9:40	8/30/2011 17:08	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	8/13/2013	8/24/2011	4/12/2011	8/24/2011			- Rpkgd was SR61016702	TRUE	TRUE	TRUE			SR61016702		Repack
36140	SR61016709	SSG	EMPLACED_CNTR	9/8/2011 23:14	6/9/2011 14:21	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/12/2011	6/2/2011	4/12/2011	6/2/2011			- Rpkgd was SR61016702	TRUE	TRUE	TRUE			SR61016702		Repack
36141	SR61016711	SSG	EMPLACED_CNTR	8/25/2011 19:21	6/9/2011 14:25	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/12/2011	6/2/2011	4/12/2011	6/2/2011			- Rpkgd was SR61016702	TRUE	TRUE	TRUE			SR61016702		Repack
36142	SR61016712	SSG	EMPLACED_CNTR	8/11/2011 19:34	5/2/2011 15:21	mccabed	SR-WO27-HBL-BOX	S5400		0	4/12/2011		4/12/2011				- Rpkgd was SR61016702	TRUE	TRUE	TRUE			SR61016702		Repack
36143	SR61016713	SSG	EMPLACED_CNTR	8/25/2011 19:31	6/9/2011 14:22	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/12/2011	6/2/2011	4/12/2011	6/2/2011			- Rpkgd was SR61016702	TRUE	TRUE	TRUE			SR61016702		Repack
36144	SR61016714	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:57	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36145	SR61016715	SSG	EMPLACED_CNTR	8/25/2011 22:03	5/12/2011 19:57	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36146	SR61016716	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:57	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36147	SR61016717	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 19:57	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36148	SR61016719	SSG	EMPLACED_CNTR	10/4/2011 18:49	5/12/2011 19:58	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36149	SR61016721	SSG	EMPLACED_CNTR	11/2/2011 21:40	8/25/2011 18:24	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/27/2011	8/19/2011	4/27/2011	8/19/2011			- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36150	SR61016722	SSG	EMPLACED_CNTR	10/27/2011 18:51	5/12/2011 19:59	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36151	SR61016725	SSG	EMPLACED_CNTR	8/25/2011 22:03	5/12/2011 20:00	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36152	SR61016726	SSG	EMPLACED_CNTR	10/5/2011 19:09	8/1/2011 18:08	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/27/2011	7/26/2011	4/27/2011	7/26/2011			- Rpkgd was SR61016703	TRUE	TRUE	TRUE			SR61016703		Repack
36153	SR61016728	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/12/2011 20:01	mccabed	SR-WO27-HBL-BOX	S5400		0	4/27/2011		4/27/2011				- Rpkgd was SR61016705	TRUE	TRUE	TRUE			SR61016705		Repack
36154	SR61016730	SSG	EMPLACED_CNTR	12/4/2011 13:12	8/30/2011 14:58	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/31/2011	8/25/2011	5/31/2011	8/25/2011			- Rpkgd was SR61016705	TRUE	TRUE	TRUE			SR61016705		Repack
36155	SR61016731	SSG	EMPLACED_CNTR	4/29/2012 9:14	8/30/2011 14:56	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/31/2011	8/26/2011	5/31/2011	8/26/2011			- Rpkgd was SR61016705	TRUE	TRUE	TRUE			SR61016705		Repack
36156	SR61016732	SSG	EMPLACED_CNTR	4/29/2012 9:14	8/30/2011 15:00	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/31/2011	8/26/2011	5/31/2011	8/26/2011			- Rpkgd was SR61016705	TRUE	TRUE	TRUE			SR61016705		Repack
36157	SR61016735	SSG	EMPLACED_CNTR	11/8/2011 22:36	8/25/2011 18:26	mccabed	SR-WO27-HBL-BOX	S5400	None	0	8/19/2011		8/19/2011				- Rpkgd was SR61016724	TRUE	TRUE	TRUE			SR61016724	SR61016703	Repack
36158	SR61016907	SWB	EMPLACED_CNTR	9/29/2011 22:43	5/2/2011 15:22	mccabed	SR-WO27-HBL-BOX	S5400		0	4/20/2011		4/20/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016903	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016903		Repack
36159	SR61016908	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 15:25	mccabed	SR-WO27-HBL-BOX	S5400		0	4/20/2011		4/20/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016903	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016903		Repack
36160	SR61016909	SSG	EMPLACED_CNTR	12/11/2011 10:32	10/24/2011 18:57	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/20/2011	10/19/2011	4/20/2011	10/19/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016903	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016903		Repack
36161	SR61016910	SSG	EMPLACED_CNTR	8/15/2011 23:35	5/2/2011 15:26	mccabed	SR-WO27-HBL-BOX	S5400		0	4/20/2011		4/20/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016903	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016903		Repack
36162	SR61016911	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:41	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/20/2011	10/31/2011	4/20/2011	10/31/2011			- Rpkgd was SR61016903	TRUE	TRUE	TRUE			SR61016903		Repack
36163	SR61016912	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:49	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/20/2011	10/31/2011	4/20/2011	10/31/2011			- Rpkgd was SR61016903 - Rpkgd into SR61016915 - Rpkgd into SR61016938 - Rpkgd was SR61016903 - Rpkgd into SR61016939	TRUE	TRUE	TRUE					
36164	SR61016913	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/23/2012 17:15	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/20/2011	1/17/2012	4/20/2011	1/17/2012			- Rpkgd was SR61016903	TRUE	TRUE	TRUE			SR61016903		Repack
36165	SR61016914	SSG	EMPLACED_CNTR	1/4/2012 13:24	11/3/2011 14:42	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/20/2011	11/1/2011	4/20/2011	11/1/2011			- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36166	SR61016922	SWB	EMPLACED_CNTR	11/1/2011 21:20	8/1/2011 17:01	mccabed	SR-WO27-HBL-BOX	S5400		0	4/25/2011		4/25/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36167	SR61016925	SSG	EMPLACED_CNTR	10/4/2011 18:49	7/10/2011 10:55	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/25/2011	6/22/2011	4/25/2011	6/22/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36168	SR61016926	SSG	EMPLACED_CNTR	10/25/2012 15:30	9/14/2011 13:11	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/25/2011	9/8/2011	4/25/2011	9/8/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36169	SR61016928	SSG	EMPLACED_CNTR	10/5/2011 19:09	8/1/2011 17:03	mccabed	SR-WO27-HBL-BOX	S5400		0	4/25/2011		4/25/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36170	SR61016929	SSG	EMPLACED_CNTR	9/3/2011 9:44	7/9/2011 16:23	mccabed	SR-WO27-HBL-BOX	S5400		0	4/25/2011		4/25/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36171	SR61016930	SSG	EMPLACED_CNTR	10/5/2011 19:09	8/1/2011 17:03	mccabed	SR-WO27-HBL-BOX	S5400		0	4/25/2011		4/25/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36172	SR61016931	SSG	EMPLACED_CNTR	10/5/2011 19:09	7/10/2011 10:55	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/25/2011	6/22/2011	4/25/2011	6/22/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61016906	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61016906		Daughter
36173	SR61016932	SSG	EMPLACED_CNTR	10/5/2011 19:05	8/1/2011 17:04	mccabed	SR-WO27-HBL-BOX	S5400		0	4/25/2011		4/25/2011				- Rpkgd was SR61016912	TRUE	TRUE	TRUE			SR61016912	SR61016903	Repack
36174	SR61016935	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:49	mccabed	SR-WO27-HBL-BOX	S5400	None	0	10/31/2011		10/31/2011				- Rpkgd was SR61016912	TRUE	TRUE	TRUE			SR61016912		Daughter
36175	SR61016938	SSG	EMPLACED_CNTR	1/4/2012 10:29	11/3/2011 14:49	mccabed	SR-WO27-HBL-BOX	S5400	None	0	10/31/2011		10/31/2011				- Rpkgd was SR61016903 - Rpkgd was SR61016913	TRUE	TRUE	TRUE			SR61016913	SR61016903	Repack
36176	SR61016939	SSG	EMPLACED_CNTR	3/21/2012 16:04	1/23/2012 17:15	mccabed	SR-WO27-HBL-BOX	S5400	None	0	1/17/2012		1/17/2012					TRUE	TRUE	TRUE					
36177	SR61017107	SWB	EMPLACED_CNTR	4/4/2011 21:36	4/28/2011 6:00	WPPNET\SQLMaster	SR-WO27-HBL-BOX	S5400		0	12/8/2010		12/8/2010		6/1/2011	Repackaged from SR61017105		TRUE	TRUE	TRUE					
36178	SR61017108	SWB			4/28/2011 6:00	WPPNET\SQLMaster	SR-WO27-HBL-BOX	S5400		0	12/8/2010		12/8/2010		6/1/2011	Repackaged from SR61017105		TRUE	TRUE	TRUE					
36179	SR61017109	SWB	EMPLACED_CNTR	6/30/2012 10:28	3/19/2012 10:18	mccabed	SR-WO27-HBL-BOX	S5400		0	12/8/2010	3/14/2012	12/8/2010	3/14/2012		SW15.3-SOP-CEL13-08	Repackaged was SR61017105	TRUE	TRUE	TRUE			SR61017105		Repack
36180	SR61017110	SWB	EMPLACED_CNTR	3/29/2011 13:00	4/28/2011 6:00	WPPNET\SQLMaster	SR-WO27-HBL-BOX	S5400		0	12/8/2010		12/8/2010		6/1/2011	Repackaged from SR61017105		TRUE	TRUE	TRUE					
36181	SR61017111	SWB	EMPLACED_CNTR	9/30/2011 9:16	5/2/2011 15:28	mccabed	SR-WO27-HBL-BOX	S5400		0	4/10/2011		4/10/2011				- Rpkgd was SR61017106	TRUE	TRUE	TRUE			SR61017106		Repack
36182	SR61017112	SWB	EMPLACED_CNTR	9/21/2011 0:01	5/10/2011 10:07	mccabed	SR-WO27-HBL-BOX	S5400		0	4/10/2011		4/10/2011				- Rpkgd was SR61017106	TRUE	TRUE	TRUE			SR61017106		Repack
36183	SR61017113	SSG	EMPLACED_CNTR	8/11/2011 19:34	5/2/2011 15:29	mccabed	SR-WO27-HBL-BOX	S5400		0	4/10/2011		4/10/2011				- Rpkgd was SR61017106	TRUE	TRUE	TRUE			SR61017106		Repack
36184	SR61017114	SSG	EMPLACED_CNTR	9/1/2011 9:44	6/9/2011 13:59	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/10/2011	6/1/2011	4/10/2011	6/1/2011			- Rpkgd was SR61017106	TRUE	TRUE	TRUE			SR61017106		Repack
36185	SR61017115	SSG	EMPLACED_CNTR	10/5/2011 19:09	6/9/2011 13:57	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/10/2011	6/1/2011	4/10/2011	6/1/2011			- Rpkgd was SR61017106	TRUE	TRUE	TRUE			SR61017106		Repack
36186	SR61017116	SSG	EMPLACED_CNTR	9/2/2011 9:44	5/24/2011 15:45	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/10/2011	5/20/2011	4/10/2011	5/20/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36187	SR61017117	SSG	EMPLACED_CNTR	10/30/2012 9:39	5/2/2011 16:27	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36188	SR61017118	SSG	EMPLACED_CNTR	10/30/2012 9:39	5/2/2011 16:28	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36189	SR61017119	SSG	EMPLACED_CNTR	10/5/2011 19:09	6/28/2011 17:38	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/19/2011	6/24/2011	4/19/2011	6/24/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36190	SR61017120	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/12/2011 11:12	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	6/24/2011	10/7/2011		10/7/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36191	SR61017121	SSG	EMPLACED_CNTR	10/30/2011 10:05	8/22/2011 15:50	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/19/2011	8/15/2011	4/19/2011	8/15/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36192	SR61017122	SSG	EMPLACED_CNTR	10/30/2012 9:39	5/2/2011 16:29	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011			Tru drum repacking 221-F-55006 (3/19/2012 and 4/30/2012)	- Rpkgd was SR61017102 - Rpkgd into SR61017148	TRUE	TRUE	TRUE					
36193	SR61017123	SSG	EMPLACED_CNTR	7/10/2012 14:29	5/8/2012 15:02	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	8/31/2011	4/30/2012	3/19/2012	4/30/2012			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36194	SR61017124	SSG	EMPLACED_CNTR	10/25/2012 15:30	5/2/2011 16:31	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36195	SR61017125	SSG	EMPLACED_CNTR	8/18/2011 19:45	5/2/2011 16:31	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36196	SR61017126	SSG	EMPLACED_CNTR	10/30/2011 13:55	8/22/2011 15:55	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/19/2011	8/16/2011	4/19/2011	8/16/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36197	SR61017128	SSG	EMPLACED_CNTR	10/4/2011 18:49	8/1/2011 18:08	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/19/2011	7/26/2011	4/19/2011	7/26/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36198	SR61017129	SSG	EMPLACED_CNTR	9/18/2011 13:48	5/2/2011 16:33	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36199	SR61017130	SSG	EMPLACED_CNTR	9/18/2011 13:48	5/2/2011 16:33	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36200	SR61017131	SSG	EMPLACED_CNTR	10/30/2012 9:39	5/2/2011 16:34	mccabed	SR-WO27-HBL-BOX	S5400		0	4/19/2011		4/19/2011				- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36201	SR61017132	SSG	EMPLACED_CNTR	9/12/2011 13:20	6/9/2011 14:05	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	4/19/2011	6/2/2011	4/19/2011	6/2/2011			- Rpkgd was SR61017102	TRUE	TRUE	TRUE			SR61017102		Repack
36202	SR61017133	SWB	EMPLACED_CNTR	9/10/2011 10:28	5/12/2011 20:02	mccabed	SR-WO27-HBL-BOX	S5400		0	5/1/2011		5/1/2011				- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Repack
36203	SR61017134	SWB	EMPLACED_CNTR	8/26/2011 10:35	5/12/2011 20:03	mccabed	SR-WO27-HBL-BOX	S5400		0	5/1/2011		5/1/2011				- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Repack
36204	SR61017135	SSG	EMPLACED_CNTR	10/4/2011 18:49	5/12/2011 20:03	mccabed	SR-WO27-HBL-BOX	S5400		0	5/1/2011		5/1/2011				- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Daughter
36205	SR61017136	SSG	EMPLACED_CNTR	12/15/2011 13:44	8/2/2011 11:19	mccabed	SR-WO27-HBL-BOX	S5400		0	5/1/2011		5/1/2011				- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Daughter
36206	SR61017137	SSG	EMPLACED_CNTR	11/18/2011 11:02	7/6/2011 17:10	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/1/2011	6/30/2011	5/1/2011	6/30/2011			- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Daughter
36207	SR61017138	SSG	EMPLACED_CNTR	11/16/2011 11:01	7/6/2011 17:11	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/1/2011	6/30/2011	5/1/2011	6/30/2011			- Rpkgd was SR61017104	TRUE	TRUE	TRUE			SR61017104		Daughter
36208	SR61017140	SSG	EMPLACED_CNTR	11/16/2011 11:01	7/6/2011 17:14	mccabed	SR-WO27-HBL-BOX	S5400	Remediation	0	5/1/2011	6/30/2011	5/1/2011	6/30/2011			- Rpkgd was SR61017139	TRUE	TRUE	TRUE			SR61017139	SR61017104	Daughter
36209	SR61017146	SSG	EMPLACED_CNTR	5/8/2012 12:38	7/6/2011 17:13	mccabed	SR-WO27-HBL-BOX	S5400	None	0	6/30/2011		6/30/2011				- Rpkgd was SR61017102 - Rpkgd was SR61017123	TRUE	TRUE	TRUE			SR61017123	SR61017102	Repack
36210	SR61017148	SSG	EMPLACED_CNTR	7/15/2012 13:24	3/22/2012 10:05	mccabed	SR-WO27-HBL-BOX	S5400	None	0	3/19/2012		3/19/2012			Tru drum repacking 221-F-55006	- Rpkgd was SR61125201 - Rpkgd into SR61125209 - Rpkgd into SR61125210 - Rpkgd into SR61125211	TRUE	FALSE	TRUE	NA				
36211	SR61125207	SWB	EMPLACED_CNTR	10/14/2012 14:17	6/7/2012 16:59	mccabed	SR-WO27-HBL-BOX	S5400			6/5/2011	6/5/2012	1/20/2012	6/5/2012		SW15.3-SOP-CEL-11-03	- Rpkgd was SR61125201	TRUE	FALSE	TRUE	NA		SR61125201		Daughter
36212	SR61125208	SWB	EMPLACED_CNTR	9/20/2012 13:44	7/9/2011 16:52	mccabed	SR-WO27-HBL-BOX	S5400			6/5/2011		6/5/2011												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36213	SR61125210	SSG	APPROVED_CERT		1/25/2012 16:53	mccabed	SR-W027-HBL-BOX	S5400			1/20/2012		1/20/2012				- Rpkgd was SR61125201 - Rpkgd was SR61125207	TRUE	FALSE	TRUE	NA		SR61125207	SR61125201	Daughter
36214	SR61125211	SSG	EMPLACED_CNTR	11/15/2012 12:47	6/7/2012 16:59	mccabed	SR-W027-HBL-BOX	S5400			6/5/2012		6/5/2012				- Rpkgd was SR61125201 - Rpkgd was SR61125207	TRUE	FALSE	TRUE	NA		SR61125207		Daughter
36215	SR61125307	SWB	EMPLACED_CNTR	8/25/2011 19:26	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			9/27/2006	3/29/2011	9/27/2006	3/29/2011			- Rpkgd Was SR61125301	TRUE	TRUE	TRUE			SR61125301		Repack
36216	SR61125308	SWB	EMPLACED_CNTR	5/17/2012 13:20	2/12/2012 12:05	mccabed	SR-W027-HBL-BOX	S5400			3/29/2011	1/30/2012	3/29/2011	1/30/2012		Cell 11 Tru Repacking Operation SW15.3-SOP-CEL11-03	- Rpkgd Was SR61125301	TRUE	TRUE	TRUE			SR61125301		Repack
36217	SR61125309	SSG	EMPLACED_CNTR	8/11/2011 18:32	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			9/27/2006	3/29/2011	9/27/2006	3/29/2011			- Rpkgd Was SR61125301	TRUE	TRUE	TRUE			SR61125301		Repack
36218	SR61125310	SSG	EMPLACED_CNTR	8/11/2011 18:32	4/29/2011 16:41	mccabed	SR-W027-HBL-BOX	S5400	Remediation		9/27/2006	4/25/2011		4/25/2011			- Rpkgd Was SR61125301	TRUE	TRUE	TRUE			SR61125301		Repack
36219	SR61125311	SSG	EMPLACED_CNTR	8/11/2011 18:32	5/5/2011 9:21	mccabed	SR-W027-HBL-BOX	S5400			9/27/2006	3/29/2011	9/27/2006	3/29/2011			- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36220	SR61125312	SWB	EMPLACED_CNTR	8/30/2011 19:31	5/12/2011 20:04	mccabed	SR-W027-HBL-BOX	S5400		0	5/2/2011		5/2/2011				- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36221	SR61125313	SWB	EMPLACED_CNTR	9/30/2011 9:15	5/12/2011 20:04	mccabed	SR-W027-HBL-BOX	S5400		0	5/2/2011		5/2/2011				- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36222	SR61125315	SSG	EMPLACED_CNTR	9/15/2011 19:36	5/12/2011 20:05	mccabed	SR-W027-HBL-BOX	S5400		0	5/2/2011		5/2/2011				- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36223	SR61125316	SSG	EMPLACED_CNTR	8/25/2011 19:31	6/9/2011 14:22	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/2/2011	6/1/2011	5/2/2011	6/1/2011			- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36224	SR61125317	SSG	EMPLACED_CNTR	9/12/2011 23:20	6/9/2011 14:23	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/2/2011	6/1/2011	5/2/2011	6/1/2011			- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36225	SR61125318	SSG	EMPLACED_CNTR	9/15/2011 19:36	5/12/2011 20:06	mccabed	SR-W027-HBL-BOX	S5400		0	5/2/2011		5/2/2011				- Rpkgd was SR61125303	TRUE	TRUE	TRUE			SR61125303		Repack
36226	SR61125319	SSG	EMPLACED_CNTR	8/25/2011 19:31	6/9/2011 14:24	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/2/2011	6/1/2011	5/2/2011	6/1/2011			- Rpkgd was SR61125405	TRUE	FALSE	TRUE	NA		SR61125405		Daughter
36227	SR61125407	SWB	EMPLACED_CNTR	9/16/2011 14:15	7/8/2011 16:54	mccabed	SR-W027-HBL-BOX	S5400			1/18/2011		1/18/2011				- Rpkgd was SR61125405	TRUE	FALSE	TRUE	NA		SR61125405		Daughter
36228	SR61125408	SWB	EMPLACED_CNTR	5/6/2012 12:36	7/8/2011 16:54	mccabed	SR-W027-HBL-BOX	S5400			1/18/2011		1/18/2011				- Rpkgd was SR61125405	TRUE	FALSE	TRUE	NA		SR61125405		Daughter
36229	SR61125410	SSG	EMPLACED_CNTR	10/27/2011 22:56	7/8/2011 16:55	mccabed	SR-W027-HBL-BOX	S5400			1/18/2011		1/18/2011					TRUE	TRUE	TRUE					
36230	SR61125415	SWB	EMPLACED_CNTR	3/18/2012 15:46	4/28/2011 6:00	WIPPMETSQLMaster	SR-W027-HBL-BOX	S5400		0	1/4/2011		1/4/2011		6/29/2011	Repackaged from SR61125404		TRUE	TRUE	TRUE					
36231	SR61125416	SWB	EMPLACED_CNTR	2/25/2012 13:52	10/21/2011 10:05	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	1/4/2011	10/13/2011	1/4/2011	10/13/2011		Repackaged from SR61125404	- Rpkgd into SR61125456	TRUE	TRUE	TRUE					
36232	SR61125417	SWB	EMPLACED_CNTR	8/25/2011 21:44	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			11/3/2006	3/25/2011	11/3/2006	3/25/2011			- Rpkgd was SR61125406	TRUE	TRUE	TRUE			SR61125406		Repack
36233	SR61125418	SWB	EMPLACED_CNTR	5/12/2012 10:40	2/20/2012 17:11	mccabed	SR-W027-HBL-BOX	S5400			11/3/2006	2/7/2012	3/25/2011	2/7/2012		Cell 11 Tru repacking operation SW15.3-SOP-CEL11-03	- Rpkgd Was SR61125406	TRUE	TRUE	TRUE			SR61125406		Repack
36234	SR61125419	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			11/3/2006	4/20/2011	11/3/2006	4/20/2011			- Rpkgd Was SR61125406 - Rpkgd into SR61125434	TRUE	TRUE	TRUE			SR61125		Repack
36235	SR61125420	SSG	EMPLACED_CNTR	9/12/2011 23:20	5/24/2011 15:56	mccabed	SR-W027-HBL-BOX	S5400	Remediation		11/3/2006	5/18/2011	11/3/2006	5/18/2011			- Rpkgd Was SR61125406 - Rpkgd into SR61125435	TRUE	TRUE	TRUE					
36236	SR61125421	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			11/3/2006	3/25/2011	11/3/2006	3/25/2011			- Rpkgd Was SR61125406	TRUE	TRUE	TRUE			SR61125406		Repack
36237	SR61125425	SSG	EMPLACED_CNTR	10/27/2011 22:56	7/10/2011 10:20	mccabed	SR-W027-HBL-BOX	S5400	None		3/24/2011		3/24/2011				- Rpkgd was SR61125409	TRUE	FALSE	TRUE	NA		SR61125409	SR61125405	Daughter
36238	SR61125434	SSG	EMPLACED_CNTR	8/18/2011 19:45	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400	None		4/20/2011		4/20/2011					TRUE	TRUE	TRUE			SR61125419		Repack
36239	SR61125435	SSG	EMPLACED_CNTR	9/12/2011 23:20	5/24/2011 15:56	mccabed	SR-W027-HBL-BOX	S5400	None		5/18/2011		5/18/2011				- Rpkgd Was SR61125406 - Rpkgd was SR61125420	TRUE	TRUE	TRUE			SR61125420	SR61125406	Repack
36240	SR61125437	SSG	EMPLACED_CNTR	1/30/2012 15:17	1/19/2012 9:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/6/2011	1/6/2012	10/6/2011	1/6/2012			- Rpkgd was SR61125413	TRUE	TRUE	TRUE			SR61125413		Daughter
36241	SR61125446	SSG	EMPLACED_CNTR	3/4/2012 10:51	1/18/2012 17:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/5/2011	1/6/2012	10/5/2011	1/6/2012			- Rpkgd was SR61125414	TRUE	TRUE	TRUE			SR61125414		Daughter
36242	SR61125447	SSG	EMPLACED_CNTR	12/19/2011 14:03	10/21/2011 8:13	mccabed	SR-W027-HBL-BOX	S5400		0	10/5/2011		10/5/2011				- Rpkgd was SR61125414	TRUE	TRUE	TRUE			SR61125414		Daughter
36243	SR61125456	SSG	EMPLACED_CNTR	7/31/2012 10:34	4/19/2012 14:21	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/13/2011	4/4/2012	10/13/2011	4/4/2012		221-F-55006 Tru Drum Repacking	- Rpkgd was SR61125416	TRUE	TRUE	TRUE			SR61125416		Daughter
36244	SR61125507	SWB	EMPLACED_CNTR	5/1/2012 14:16	6/12/2011 15:39	mccabed	SR-W027-HBL-BOX	S5400		0	6/7/2011		6/7/2011				- Rpkgd was SR61125503	TRUE	TRUE	TRUE			SR61125503		Repack
36245	SR61125509	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/6/2011 16:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/20/2011	11/30/2011	10/20/2011	11/30/2011			- Rpkgd was SR61125508 - Rpkgd into SR61125517	TRUE	TRUE	TRUE					
36246	SR61125511	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/7/2011 15:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/20/2011	12/2/2011	10/20/2011	12/2/2011			- Rpkgd was SR61125508	TRUE	TRUE	TRUE			SR61125508		Daughter
36247	SR61125512	SSG	EMPLACED_CNTR	4/29/2012 9:15	12/7/2011 15:59	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/20/2011	12/1/2011	10/20/2011	12/1/2011			- Rpkgd was SR61125508	TRUE	TRUE	TRUE			SR61125508		Daughter
36248	SR61125514	SSG	EMPLACED_CNTR	2/18/2012 14:08	12/7/2011 18:19	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/20/2011	12/13/2011	10/20/2011	12/13/2011			- Rpkgd was SR61125508	TRUE	TRUE	TRUE			SR61125508		Daughter
36249	SR61125516	SSG	EMPLACED_CNTR	5/11/2012 10:11	12/15/2011 10:17	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	10/20/2011		10/20/2011				- Rpkgd was SR61125509	TRUE	TRUE	TRUE			SR61125509	SR61125508	Repack
36250	SR61125517	SSG	EMPLACED_CNTR	2/18/2012 9:38	12/6/2011 16:59	mccabed	SR-W027-HBL-BOX	S5400	None	0	11/30/2011		11/30/2011				Parent is SR61125512 which is already EMPLACED	TRUE	FALSE	TRUE	NA				
36251	SR61125519	SSG	EMPLACED_CNTR	9/21/2012 13:21	5/22/2012 16:15	mccabed	SR-W027-HBL-BOX	S5400			12/3/2011		12/3/2011			Added per LWatson email 052112		TRUE	FALSE	TRUE	NA				
36252	SR61125607	SWB	EMPLACED_CNTR	11/23/2011 10:16	4/28/2011 6:00	WWIS_Upd	SR-W027-HBL-BOX	S5400		0	11/23/2010		11/23/2010		5/18/2011	Repackaged from SR61125606		TRUE	TRUE	TRUE					
36253	SR61125609	SWB	EMPLACED_CNTR	12/4/2011 9:48	10/19/2011 19:16	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/23/2010	8/31/2011	11/23/2010	8/31/2011		Repackaged from SR61125606; Changed to Non-PCB/E-mail ; Price 8/23/11	- Rpkgd into SR61125645 - Rpkgd into SR61125646 - Rpkgd into SR61125647 - Rpkgd into SR61125681	TRUE	TRUE	TRUE	NA				
36254	SR61125610	SWB	EMPLACED_CNTR	8/4/2011 22:55	4/28/2011 6:00	WWIS_Upd	SR-W027-HBL-BOX	S5400		0	11/23/2010		11/23/2010		5/18/2011	Repackaged from SR61125606 - PCB Waste PCB Bulk Product Waste - Non Leachable		TRUE	TRUE	TRUE	Yes	10/13/2005			
36255	SR61125611	SWB	EMPLACED_CNTR	10/31/2012 14:06	8/22/2011 15:29	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/27/2010	8/17/2011	11/27/2010	8/17/2011		Repackaged from SR61125605	- Rpkgd into SR61125672 - Rpkgd into SR61125673	TRUE	TRUE	TRUE					
36256	SR61125612	SWB	EMPLACED_CNTR	12/11/2011 9:31	10/19/2011 19:01	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	11/27/2010	9/1/2011	11/27/2010	9/1/2011		Repackaged from SR61125605; Changed to Non-PCB/E-mail ; Price 8/23/11	- Rpkgd into SR61125649 - Rpkgd into SR61125650 - Rpkgd into SR61125651 - Rpkgd into SR61125682 - Rpkgd into SR61125684 - Rpkgd into SR61125687	TRUE	TRUE	TRUE	NA				
36257	SR61125621	SWB	EMPLACED_CNTR	3/15/2012 15:30	11/15/2011 11:15	mccabed	SR-W027-HBL-BOX	S5400			10/26/2006	11/9/2011	10/26/2006	11/9/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd Was SR61125603	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125603		Repack
36258	SR61125622	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-W027-HBL-BOX	S5400			10/26/2006	3/29/2011	10/26/2006	3/29/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd Was SR61125603	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125603		Repack
36259	SR61125626	SSG	EMPLACED_CNTR	9/15/2011 19:35	5/24/2011 15:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/26/2006	5/20/2011	10/26/2006	5/20/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd Was SR61125603	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125603		Repack
36260	SR61125628	SSG	EMPLACED_CNTR	12/4/2011 13:46	10/5/2011 15:09	mccabed	SR-W027-HBL-BOX	S5400	None	0	10/3/2011		10/3/2011				- Rpkgd was SR61125678	TRUE	TRUE	TRUE			SR61125678	SR61125608	Daughter
36261	SR61125629	SSG	EMPLACED_CNTR	5/17/2012 14:15	10/28/2011 10:40	mccabed	SR-W027-HBL-BOX	S5400	None		10/21/2011		10/21/2011				- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620	SR61125601	Repack
36262	SR61125631	SSG	EMPLACED_CNTR	3/31/2012 15:25	8/23/2011 10:10	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011			PCB removed per J Price email 6/27/11	- Rpkgd was SR61125604	TRUE	TRUE	TRUE	NA		SR61125604		Repack
36263	SR61125633	SSG	EMPLACED_CNTR	10/25/2012 15:30	6/22/2011 15:43	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125604	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125604		Repack
36264	SR61125634	SSG	EMPLACED_CNTR	2/18/2012 14:08	6/22/2011 15:44	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011				- Rpkgd was SR61125604	TRUE	TRUE	TRUE			SR61125604		Repack
36265	SR61125635	SSG	EMPLACED_CNTR	9/21/2012 13:59	6/22/2011 15:44	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125604	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125604		Repack
36266	SR61125636	SSG	EMPLACED_CNTR	11/8/2011 0:05	9/27/2011 17:02	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/23/2011	9/12/2011	5/23/2011	9/12/2011		Changed to Non-PCB/E-mail ; Price 9/08/11	- Rpkgd was SR61125604 - Rpkgd into SR61125685	TRUE	TRUE	TRUE	NA				
36267	SR61125638	SSG	EMPLACED_CNTR	3/4/2012 10:51	9/14/2011 13:26	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/23/2011	9/8/2011	5/23/2011	9/8/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125604	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125604		Repack
36268	SR61125639	SSG	EMPLACED_CNTR	7/11/2012 10:34	6/22/2011 15:45	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125604	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125604		Repack
36269	SR61125640	SSG	EMPLACED_CNTR	2/18/2012 9:39	6/22/2011 15:46	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2011		5/23/2011				- Rpkgd was SR61125604	TRUE	TRUE	TRUE			SR61125604		Daughter
36270	SR61125642	SSG	EMPLACED_CNTR	5/11/2012 14:42	1/27/2012 17:05	mccabed	SR-W027-HBL-BOX	S5400	Remediation		10/21/2011	12/6/2011	10/21/2011	12/6/2011			- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36271	SR61125643	SSG	EMPLACED_CNTR	2/17/2012 15:57	10/28/2011 10:40	mccabed	SR-W027-HBL-BOX	S5400	None		10/21/2011		10/21/2011				- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36272	SR61125645	SSG	EMPLACED_CNTR	9/2/2011 9:44	5/25/2011 17:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/12/2011	5/24/2011	5/12/2011	5/24/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125609	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125609		Daughter
36273	SR61125646	SSG	EMPLACED_CNTR	9/15/2011 19:35	5/25/2011 17:46	mccabed	SR-W027-HBL-BOX	S5400	Remediation	0	5/12/2011	5/24/2011	5/12/2011	5/24/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125609	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125609		Daughter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36274	SR61125647	SSG	EMPLACED_CNTR	9/15/2011 19:35	5/31/2011 15:45	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	5/12/2011	5/24/2011	5/12/2011	5/24/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125609	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125609		Daughter
36275	SR61125648	SSG	EMPLACED_CNTR	5/11/2012 10:10	12/15/2011 10:18	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/21/2011	12/13/2011	10/21/2011	12/13/2011			- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36276	SR61125649	SSG	EMPLACED_CNTR	9/15/2011 19:36	6/8/2011 16:53	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	5/15/2011	5/27/2011	5/15/2011	5/27/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125612	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125612		Daughter
36277	SR61125650	SSG	EMPLACED_CNTR	9/15/2011 19:36	5/18/2011 20:41	mccabed	SR-WO27-HBL-BOX	SS400	None	0	5/15/2011		5/15/2011			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125612	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125612		Daughter
36278	SR61125651	SSG	EMPLACED_CNTR	8/25/2011 19:31	6/13/2011 17:18	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	5/15/2011	6/3/2011	5/15/2011	6/3/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125612	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125612		Daughter
36279	SR61125652	SSG	EMPLACED_CNTR	10/14/2012 10:29	3/6/2012 10:15	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	7/19/2011	2/1/2012	8/4/2011	2/1/2012		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125613 - Rpkgd into SR61125695	TRUE	TRUE	TRUE	Yes	10/13/2005			
36280	SR61125653	SSG	EMPLACED_CNTR	4/29/2012 9:15	9/29/2011 10:05	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/11/2011	9/23/2011	8/11/2011	9/23/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125616	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125616	SR61125601	Repack
36281	SR61125656	SSG	EMPLACED_CNTR	12/4/2011 14:20	8/17/2011 8:53	mccabed	SR-WO27-HBL-BOX	SS400	None		8/11/2011		8/11/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125616	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125616		Daughter
36282	SR61125657	SSG	EMPLACED_CNTR	10/30/2011 10:06	8/9/2011 15:07	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	7/19/2011	8/5/2011	7/19/2011	8/5/2011		PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125613	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125613		Daughter
36283	SR61125658	SSG	EMPLACED_CNTR	12/4/2011 13:12	8/8/2011 11:04	mccabed	SR-WO27-HBL-BOX	SS400	None		7/29/2011		7/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125614	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125614	SR61125602	Repack
36284	SR61125660	SSG	EMPLACED_CNTR	6/9/2012 10:58	8/8/2011 11:04	mccabed	SR-WO27-HBL-BOX	SS400	None		7/29/2011		7/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125614	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125614		Daughter
36285	SR61125661	SSG	EMPLACED_CNTR	12/4/2011 13:12	8/8/2011 11:05	mccabed	SR-WO27-HBL-BOX	SS400	None		7/29/2011		7/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125614	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125614		Daughter
36286	SR61125662	SSG	EMPLACED_CNTR	12/4/2011 13:12	8/8/2011 11:05	mccabed	SR-WO27-HBL-BOX	SS400	None		7/29/2011		7/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125614	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125614		Daughter
36287	SR61125663	SSG	EMPLACED_CNTR	12/4/2011 13:12	8/8/2011 11:05	mccabed	SR-WO27-HBL-BOX	SS400	None		7/29/2011		7/29/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125614	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125614		Daughter
36288	SR61125664	SSG	EMPLACED_CNTR	11/15/2012 14:47	10/12/2011 11:07	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/10/2011	10/7/2011	8/10/2011	10/7/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615 - Rpkgd into SR61125688	TRUE	TRUE	TRUE	Yes	10/13/2005			
36289	SR61125665	SSG	EMPLACED_CNTR	10/25/2012 15:30	8/17/2011 8:45	mccabed	SR-WO27-HBL-BOX	SS400	None		8/10/2011		8/10/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36290	SR61125666	SSG	EMPLACED_CNTR	12/4/2011 13:12	9/29/2011 10:14	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/10/2011	9/23/2011	8/10/2011	9/23/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36291	SR61125667	SSG	EMPLACED_CNTR	1/4/2012 10:29	9/29/2011 10:13	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/10/2011	9/21/2011	8/10/2011	9/21/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36292	SR61125668	SSG	EMPLACED_CNTR	12/10/2011 14:05	8/17/2011 8:47	mccabed	SR-WO27-HBL-BOX	SS400	None		8/10/2011		8/10/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36293	SR61125669	SSG	EMPLACED_CNTR	12/11/2011 10:32	8/17/2011 8:47	mccabed	SR-WO27-HBL-BOX	SS400	None		8/10/2011		8/10/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36294	SR61125670	SSG	EMPLACED_CNTR	12/10/2011 14:03	10/5/2011 13:02	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/10/2011	9/29/2011	8/10/2011	9/29/2011		PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125615	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125615		Daughter
36295	SR61125672	SSG	EMPLACED_CNTR	12/11/2011 10:32	10/5/2011 12:56	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/17/2011	9/30/2011	8/17/2011	9/30/2011			- Rpkgd was SR61125611	TRUE	TRUE	TRUE			SR61125611		Daughter
36296	SR61125675	SSG	EMPLACED_CNTR	11/16/2011 11:01	8/25/2011 18:08	mccabed	SR-WO27-HBL-BOX	SS400	None	0	8/17/2011		8/17/2011				- Rpkgd was SR61125608	TRUE	TRUE	TRUE			SR61125608		Daughter
36297	SR61125676	SSG	EMPLACED_CNTR	12/10/2011 14:03	10/5/2011 12:57	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/17/2011	9/30/2011	8/17/2011	9/30/2011			- Rpkgd was SR61125808 - Rpkgd into SR61125692	TRUE	TRUE	TRUE					
36298	SR61125677	SSG	EMPLACED_CNTR	12/4/2011 13:12	10/5/2011 13:12	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/17/2011	9/30/2011	8/17/2011	9/30/2011			- Rpkgd was SR61125608	TRUE	TRUE	TRUE			SR61125608		Daughter
36299	SR61125678	SSG	EMPLACED_CNTR	12/11/2011 10:32	10/6/2011 15:08	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/17/2011	10/3/2011	8/17/2011	10/3/2011			- Rpkgd was SR61125606 - Rpkgd into SR61125624	TRUE	TRUE	TRUE					
36300	SR61125679	SSG	EMPLACED_CNTR	2/18/2013 9:39	11/29/2011 7:16	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/17/2011	11/21/2011	8/17/2011	11/21/2011			- Rpkgd was SR61125608	TRUE	TRUE	TRUE			SR61125608		Daughter
36301	SR61125681	SSG	EMPLACED_CNTR	11/16/2011 11:01	9/27/2011 16:17	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	8/31/2011	9/13/2011	8/31/2011	9/13/2011		Repackaged from SR61125606; Changed to Non-PCB/E-mail J. Price 8/23/11	- Rpkgd was SR61125609	TRUE	TRUE	TRUE	NA		SR61125609		Daughter
36302	SR61125682	SSG	APPROVED CERT		9/27/2011 16:01	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	9/1/2011	9/13/2011	9/1/2011	9/13/2011		Changed to Non-PCB/E-mail J. Price 8/23/11	- Rpkgd was SR61125612	TRUE	TRUE	TRUE	NA		SR61125612		Daughter
36303	SR61125683	SSG	EMPLACED_CNTR	10/15/2012 15:30	9/8/2011 16:25	mccabed	SR-WO27-HBL-BOX	SS400	None		9/1/2011		9/1/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125659	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125659	SR61125614	Daughter
36304	SR61125684	SSG	EMPLACED_CNTR	5/30/2012 9:05	3/6/2012 11:03	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	9/1/2011	1/31/2012	9/15/2011	1/31/2012		Changed to Non-PCB/E-mail J. Price 8/23/11	- Rpkgd was SR61125612 - Rpkgd into SR61125686	TRUE	TRUE	TRUE	NA				
36305	SR61125685	SSG	EMPLACED_CNTR	5/11/2012 10:11	4/9/2012 14:36	mccabed	SR-WO27-HBL-BOX	SS400	None	0	9/1/2011		9/12/2011			Changed to Non-PCB/E-mail J. Price 9/08/11	- Rpkgd was SR61125636	TRUE	TRUE	TRUE	No		SR61125636	SR61125604	Repack
36306	SR61125686	SSG	EMPLACED_CNTR	11/16/2011 8:51	10/5/2011 15:00	mccabed	SR-WO27-HBL-BOX	SS400	None	0	9/15/2011		9/15/2011			Changed to Non-PCB/E-mail J. Price 8/23/2011.	- Rpkgd was SR61125684	TRUE	TRUE	TRUE	NA		SR61125684	SR61125612	Daughter
36307	SR61125687	SSG	EMPLACED_CNTR	12/4/2011 14:20	9/27/2011 16:02	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	9/1/2011	9/20/2011	9/1/2011	9/20/2011		Changed to Non-PCB/E-mail J. Price 8/23/11	- Rpkgd was SR61125612	TRUE	TRUE	TRUE	NA		SR61125612		Daughter
36308	SR61125688	SSG	EMPLACED_CNTR	1/7/2012 8:52	10/11/2011 11:07	mccabed	SR-WO27-HBL-BOX	SS400	None		10/7/2011		10/7/2011			PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125664	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125684	SR61125615	Repack
36309	SR61125691	SSG	EMPLACED_CNTR	11/16/2012 10:11	1/18/2012 17:10	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/21/2011	1/6/2012	10/21/2011	1/6/2012			- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36310	SR61125692	SSG	EMPLACED_CNTR	12/11/2011 10:32	10/5/2011 12:57	mccabed	SR-WO27-HBL-BOX	SS400	None	0	9/30/2011		9/30/2011				- Rpkgd was SR61125676	TRUE	TRUE	TRUE			SR61125676	SR61125608	Daughter
36311	SR61125693	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 17:11	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/21/2011	1/6/2012	10/21/2011	1/6/2012			- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36312	SR61125694	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 17:12	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/21/2011	1/6/2012	10/21/2011	1/6/2012			- Rpkgd was SR61125620	TRUE	TRUE	TRUE	NA		SR61125620		Daughter
36313	SR61125695	SSG	EMPLACED_CNTR	6/9/2012 10:58	3/6/2012 10:15	mccabed	SR-WO27-HBL-BOX	SS400	None	0	2/1/2012		2/1/2012			PCB Waste PCB Bulk Product Waste - Non Leachable	- Rpkgd was SR61125613 - Rpkgd was SR61125652	TRUE	TRUE	TRUE	Yes	10/13/2005	SR61125652	SR61125613	Daughter
36314	SR61125704	SLB2	EMPLACED_CNTR	8/30/2011 13:45	7/25/2011 20:30	mccabed	SR-WO27-HBL-BOX	SS400		0	11/7/2006		11/7/2006	11/7/2006				TRUE	TRUE	TRUE					
36315	SR61125707	SWB	EMPLACED_CNTR	12/4/2011 10:25	8/22/2011 15:23	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		11/7/2006	8/16/2011	11/7/2006	8/16/2011			- Rpkgd Was SR61125703 - Rpkgd into SR61125714 - Rpkgd into SR61125715 - Rpkgd into SR61125716 - Rpkgd into SR61125717	TRUE	TRUE	TRUE					
36316	SR61125708	SSG	EMPLACED_CNTR	8/10/2011 0:19	4/28/2011 6:00	mccabed	SR-WO27-HBL-BOX	SS400			11/7/2006	3/31/2011	11/7/2006	3/31/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36317	SR61125709	SSG	EMPLACED_CNTR	8/10/2011 0:19	4/28/2011 6:00	mccabed	SR-WO27-HBL-BOX	SS400			11/7/2006	3/31/2011	11/7/2006	3/31/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36318	SR61125710	SSG	EMPLACED_CNTR	8/10/2011 0:19	4/28/2011 6:00	mccabed	SR-WO27-HBL-BOX	SS400			11/7/2006	3/31/2011	11/7/2006	3/31/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36319	SR61125711	SSG	EMPLACED_CNTR	9/15/2011 22:23	6/8/2011 16:49	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		11/7/2006	6/1/2011	11/7/2006	6/1/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36320	SR61125712	SSG	EMPLACED_CNTR	8/10/2011 0:19	4/28/2011 6:00	mccabed	SR-WO27-HBL-BOX	SS400			11/7/2006	3/31/2011	11/7/2006	3/31/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36321	SR61125713	SSG	EMPLACED_CNTR	8/18/2011 19:45	4/28/2011 6:00	mccabed	SR-WO27-HBL-BOX	SS400			11/7/2006	3/31/2011	11/7/2006	3/31/2011			- Rpkgd Was SR61125703	TRUE	TRUE	TRUE			SR61125703		Repack
36322	SR61125714	SSG	EMPLACED_CNTR	5/11/2012 10:10	10/5/2011 13:03	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/16/2011	9/29/2011	8/16/2011	9/29/2011			- Rpkgd was SR61125707	TRUE	TRUE	TRUE			SR61125707	SR61125703	Repack
36323	SR61125715	SSG	EMPLACED_CNTR	5/11/2012 10:10	8/22/2011 15:22	mccabed	SR-WO27-HBL-BOX	SS400	None		8/16/2011		8/16/2011				- Rpkgd was SR61125707	TRUE	TRUE	TRUE			SR61125707		Daughter
36324	SR61125716	SSG	EMPLACED_CNTR	12/4/2011 13:46	10/5/2011 12:58	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		8/16/2011	9/29/2011	8/16/2011	9/29/2011				TRUE	TRUE	TRUE			SR61125707		Daughter
36325	SR61125808	SSG	EMPLACED_CNTR	8/10/2011 0:19	5/16/2011 14:18	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/18/2006	4/6/2011	10/18/2006	4/6/2011			- Rpkgd Was SR61125805 - Rpkgd into SR61125812	TRUE	TRUE	TRUE					
36326	SR61125809	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/16/2011 14:18	mccabed	SR-WO27-HBL-BOX	SS400			10/18/2006	3/16/2011	10/18/2006	3/16/2011			- Rpkgd Was SR61125805	TRUE	TRUE	TRUE			SR61125805		Repack
36327	SR61125811	SSG	EMPLACED_CNTR	8/10/2011 0:19	5/16/2011 14:17	mccabed	SR-WO27-HBL-BOX	SS400	Remediation		10/18/2006	4/6/2011	10/18/2006	4/6/2011			- Rpkgd Was SR61125805	TRUE	TRUE	TRUE			SR61125805		Repack
36328	SR61125818	SWB	EMPLACED_CNTR	4/4/2012 15:23	11/9/2011 17:54	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	5/25/2011	10/28/2011	5/25/2011	10/28/2011			- Rpkgd was SR61125804 - Rpkgd into SR61125846 - Rpkgd into SR61125847 - Rpkgd into SR61125848 - Rpkgd into SR61125849 - Rpkgd into SR61125850	TRUE	TRUE	TRUE					
36329	SR61125819	SSG	EMPLACED_CNTR	6/9/2012 10:58	3/26/2012 17:00	mccabed	SR-WO27-HBL-BOX	SS400	None	0	3/20/2012		3/20/2012				- Rpkgd was SR61125818 - Rpkgd was SR61125846	TRUE	TRUE	TRUE			SR61125846	SR61125818	Repack
36330	SR61125828	SSG	EMPLACED_CNTR	8/18/2011 19:45	5/2/2011 16:36	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36331	SR61125829	SSG	EMPLACED_CNTR	12/14/2011 13:49	10/24/2011 19:03	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	4/20/2011	10/20/2011	4/20/2011	10/20/2011			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36332	SR61125831	SSG	EMPLACED_CNTR	12/10/2011 14:03	10/24/2011 14:31	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	4/20/2011	10/19/2011	4/20/2011	10/19/2011			- Rpkgd was SR61125802 - Rpkgd into SR61125845	TRUE	TRUE	TRUE					
36333	SR61125832	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/2/2011 16:38	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36334	SR61125833	SSG	EMPLACED_CNTR	10/19/2011 13:35	8/22/2011 15:48	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	4/20/2011	8/15/2011	4/20/2011	8/15/2011			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36335	SR61125834	SSG	EMPLACED_CNTR	6/24/2012 13:24	4/24/2012 20:49	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	4/20/2011	4/18/2012	4/20/2011	4/18/2012			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36336	SR61125835	SSG	EMPLACED_CNTR	9/15/2011 22:23	5/2/2011 16:39	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36337	SR61125836	SSG	EMPLACED_CNTR	9/15/2011 22:23	5/2/2011 16:39	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36338	SR61125837	SSG	EMPLACED_CNTR	9/15/2011 22:23	5/2/2011 16:40	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36339	SR61125838	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/24/2011 19:12	mccabed	SR-WO27-HBL-BOX	SS400	Remediation	0	4/20/2011	10/22/2011	4/20/2011	10/22/2011			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36340	SR61125839	SSG	EMPLACED_CNTR	8/17/2011 0:03	5/2/2011 16:41	mccabed	SR-WO27-HBL-BOX	SS400		0	4/20/2011		4/20/2011				- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36341	SR61125840	SSG	EMPLACED_CNTR	12/11/2011 13:26	10/24/2011 19:13	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	4/20/2011	10/22/2011	4/20/2011	10/22/2011			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36342	SR61125841	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/23/2012 17:11	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	4/20/2011	1/17/2012	4/20/2011	1/17/2012			- Rpkgd was SR61125802	TRUE	TRUE	TRUE			SR61125802		Repack
36343	SR61125845	SSG	EMPLACED_CNTR	12/16/2011 13:49	10/24/2011 14:31	mccabed	SR-WD27-HBL-BOX	S5400	None	0	10/19/2011		10/19/2011				- Rpkgd was SR61125831	TRUE	TRUE	TRUE			SR61125831	SR61125807	Repack
36344	SR61125846	SSG	EMPLACED_CNTR	7/11/2012 10:34	3/26/2012 17:00	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/6/2012	3/20/2012	1/6/2012	3/20/2012			- Rpkgd was SR61125818 - Rpkgd into SR61125819	TRUE	TRUE	TRUE					
36345	SR61125847	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 17:14	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/28/2011	1/7/2012	10/28/2011	1/7/2012			- Rpkgd was SR61125818 - Rpkgd into SR61125851	TRUE	TRUE	TRUE					
36346	SR61125848	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/18/2012 17:21	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/28/2011	1/9/2012	10/28/2011	1/9/2012			- Rpkgd was SR61125818	TRUE	TRUE	TRUE			SR61125818		Daughter
36347	SR61125849	SSG	EMPLACED_CNTR	4/29/2012 9:14	1/18/2012 17:21	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/28/2011	1/9/2012	10/28/2011	1/9/2012			- Rpkgd was SR61125818	TRUE	TRUE	TRUE			SR61125818		Daughter
36348	SR61125850	SSG	EMPLACED_CNTR	7/11/2012 10:34	5/18/2012 17:18	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	10/28/2011	5/10/2012	1/9/2012	5/10/2012		221-F-55006 Tru Drum Repackaging.	- Rpkgd was SR61125818	TRUE	TRUE	TRUE			SR61125818		Daughter
36349	SR61125851	SSG	EMPLACED_CNTR	3/28/2012 15:44	1/18/2012 17:14	mccabed	SR-WD27-HBL-BOX	S5400	None	0	1/7/2012		1/7/2012				- Rpkgd was SR61125818 - Rpkgd was SR61125847	TRUE	TRUE	TRUE			SR61125847	SR61125818	Daughter
36350	SR61125907	SWB	EMPLACED_CNTR	3/7/2012 9:22	11/17/2011 16:55	mccabed	SR-WD27-HBL-BOX	S5400		0	12/23/2010	11/4/2011	12/23/2010	11/4/2011		Repackaged from SR61125901; Cell 11 tru repacking operation.	- Rpkgd into SR61125927	TRUE	TRUE	TRUE					
36351	SR61125908	SWB	EMPLACED_CNTR	9/25/2012 12:55	1/25/2012 16:55	mccabed	SR-WD27-HBL-BOX	S5400		0	12/23/2010	1/17/2012	12/23/2010	1/17/2012		Repackaged from SR61125901; Cell 11 tru repacking operation.		TRUE	TRUE	TRUE					
36352	SR61125911	SWB	EMPLACED_CNTR	4/13/2012 15:18	4/28/2011 6:00	idewebser	SR-WD27-HBL-BOX	S5400		0	1/25/2011		1/25/2011		7/20/2011	Parent Container SR61125902		TRUE	TRUE	TRUE					
36353	SR61125912	SSG	EMPLACED_CNTR	8/17/2011 0:03	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/25/2011	3/25/2011	1/25/2011	3/25/2011	7/20/2011	Parent Container SR61125902		TRUE	TRUE	TRUE					
36354	SR61125913	SSG	EMPLACED_CNTR	5/17/2012 14:15	4/28/2011 6:00	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	1/25/2011	3/25/2011	1/25/2011	3/25/2011	7/20/2011	Parent Container SR61125902		TRUE	TRUE	TRUE					
36355	SR61125914	SWB	EMPLACED_CNTR	10/14/2012 14:16	7/9/2011 16:56	mccabed	SR-WD27-HBL-BOX	S5400		0	6/28/2011		6/28/2011				- Rpkgd was SR61125906	TRUE	TRUE	TRUE			SR61125906		Daughter
36356	SR61125915	SSG	EMPLACED_CNTR	3/30/2012 15:17	1/25/2012 13:18	mccabed	SR-WD27-HBL-BOX	S5400	Remediation	0	6/28/2011	1/17/2012	6/28/2011	1/17/2012			- Rpkgd was SR61125906	TRUE	TRUE	TRUE			SR61125906		Daughter
36357	SR61125927	SSG	EMPLACED_CNTR	2/18/2013 9:39	11/17/2011 17:05	mccabed	SR-WD27-HBL-BOX	S5400		0	11/7/2011		11/7/2011			Cell 11 tru repacking operation.	- Rpkgd was SR61125908	TRUE	TRUE	TRUE			SR61125908		Daughter
36358	SR95779	SLB2	EMPLACED_CNTR	8/27/2013 12:45	9/12/2012 16:22	mccabed	SR-WD27-HBL-BOX	S5400		0	4/3/2012		4/3/2012	8/24/2012		Concrete Culvert container removal and loading; Filter reconfiguration date: 8/24/2012; Reduced filter model: NFT-013.		TRUE	TRUE	TRUE					
36359	WMAPSLB003	SLB2	APPROVED_SHIP		10/9/2012 14:56	mccabed	SR-WD27-HBL-BOX	S5400			4/20/2012		4/20/2012	9/25/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container HMSF010560 repackaged into SLB2; added per MDoherty M158 071312; updated closure and vent dates per MDoherty 072512; Filter reconfiguration date: 9/25/2012; Reduced filter model: NFT-013.		TRUE	FALSE	TRUE	Yes	4/6/2011			
36360	WMAPSLB004	SLB2	APPROVED_SHIP		10/15/2012 16:20	mccabed	SR-WD27-HBL-BOX	S5400			4/20/2012		4/20/2012	10/1/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container HMSF010568 repackaged into SLB2; added per MDoherty M158 071312; updated closure and vent dates per MDoherty 072512; Parent generation date: 7/24/2012; Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36361	WMAPSLB006	SLB2	EMPLACED_CNTR	8/15/2013 12:49	12/20/2012 9:45	mccabed	SR-WD27-HBL-BOX	S5400			7/25/2012		7/25/2012	7/25/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container rHMSF011301 repackaged into SLB2; added per MDoherty M158 071312; updated closure and vent dates per MDoherty 072512; Exclude in LLW per CSoaterna email 091812; Un-exclude per SMentrup 122012		TRUE	FALSE	TRUE	Yes	4/6/2011			
36362	WMAPSLB007	SLB2	APPROVED_CERT		10/15/2012 16:22	mccabed	SR-WD27-HBL-BOX	S5400		0	4/23/2012		4/23/2012	10/3/2012		Inner container is SR517068 per SW15.3-SOP-LCNCC-01; Filter reconfiguration date: 10/3/2012; Reduced filter model: NFT-013	- Rpkgd was SR517068	TRUE	TRUE	TRUE			SR517068		NA
36363	WMAPSLB021	SLB2	EMPLACED_CNTR	4/20/2013 14:56	11/13/2012 17:40	mccabed	SR-WD27-HBL-BOX	S5400		0	5/30/2012		5/30/2012	10/31/2012		Waste generation date: 1/8/1983; Inner container is SR517066 (SR60685504); Filter reconfiguration date: 10/31/2012; Reduced filter model: NFT-013.	- Rpkgd was SR517066	TRUE	TRUE	TRUE			SR517066		NA
36364	WMAPSLB025	SLB2	EMPLACED_CNTR	3/21/2013 15:26	12/4/2012 14:27	mccabed	SR-WD27-HBL-BOX	S5400			7/3/2012		7/3/2012	11/27/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container HMSF011300 repackaged into SLB2; added per MDoherty M158 071312; Filter reconfiguration date: 11/27/2012; Reduced filter model: NFT-013.		TRUE	FALSE	TRUE	Yes	4/6/2011			
36365	WMAPSLB026	SLB2	APPROVED_SHIP		10/15/2012 16:32	mccabed	SR-WD27-HBL-BOX	S5400			7/3/2012		7/3/2012	10/1/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container HMSF011302 repackaged into SLB2; added per MDoherty M158 071312; Filter reconfiguration date: 10/1/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36366	WMAPSLB027	SLB2	APPROVED_CERT		5/9/2013 14:06	mccabed	SR-WD27-HBL-BOX	S5400			4/4/2013		4/4/2013	4/30/2013		Generation date is 8/20/1987; Original container HMSF011303 repackaged into SLB2; added per MDoherty M158 071312; Remediated/repackaged per DLambert email 040913; Changed to Non-PCB/Email JPrice 032113; Filter reconfiguration date: 4/30/2013; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	No				
36367	WMAPSLB028	SLB2	EMPLACED_CNTR	7/26/2013 9:55	7/24/2012 17:03	mccabed	SR-WD27-HBL-BOX	S5400			6/29/2012		6/29/2012	6/29/2012		PCB Bulk Product Waste - Non LeachableGeneration date is 8/20/1987; Original container HMSF010564 repackaged into SLB2; added per MDoherty M158 071312		TRUE	FALSE	TRUE	Yes	4/6/2011			
36368	WMAPSLB029	SLB2	EMPLACED_CNTR	6/21/2013 14:02	10/4/2012 10:18	mccabed	SR-WD27-HBL-BOX	S5400		0	6/29/2012		6/29/2012	9/26/2012		Per SLB2 Loading Data Sheet SW15.3-SOP-LCNCC-01; Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013.	- Rpkgd was SR513736	TRUE	TRUE	TRUE			SR513736		Repack
36369	WMAPSLB031	SLB2	EMPLACED_CNTR	8/6/2013 14:32	8/21/2012 12:57	mccabed	SR-WD27-HBL-BOX	S5400			7/17/2012		7/17/2012	7/17/2012		Generation date is 8/20/1987; Original container HMSF010563 repackaged into SLB2; added per MDoherty M158 072412; PCB designation removed per MPapp email 082112		TRUE	FALSE	TRUE	NA				
36370	WMAPSLB032	SLB2	EMPLACED_CNTR	6/30/2013 10:55	7/26/2012 13:49	mccabed	SR-WD27-HBL-BOX	S5400			7/17/2012		7/17/2012	7/17/2012		Generation date is 8/20/1987; Original container HMSF010565 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable		TRUE	FALSE	TRUE	Yes	4/6/2011			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
36371	WMAPSLB033	SLB2	EMPLACED_CNTR	7/14/2013 10:15	12/4/2012 14:28	mccabed	SR-W027-HBL-BOX	S5400			7/12/2012		7/12/2013	11/27/2013		Generation date is 8/20/1987; Original container HMSF011304 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable; Filter reconfiguration date: 11/27/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36372	WMAPSLB034	SLB2	EMPLACED_CNTR	8/15/2013 13:17	7/26/2012 13:51	mccabed	SR-W027-HBL-BOX	S5400			7/17/2012		7/17/2012	7/17/2012		Generation date is 8/20/1987; Original container HMSF011309 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable		TRUE	FALSE	TRUE	Yes	4/6/2011			
36373	WMAPSLB035	SLB2	APPROVED_SHIP		10/4/2012 10:19	mccabed	SR-W027-HBL-BOX	S5400			7/13/2012		7/13/2012	9/25/2012		Generation date is 8/20/1987; Original container HMSF011310 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable; Filter reconfiguration date: 9/25/2012; Reduced filter model: NFT-013.		TRUE	FALSE	TRUE	Yes	4/6/2011			
36374	WMAPSLB036	SLB2	APPROVED_CERT		10/15/2012 16:33	mccabed	SR-W027-HBL-BOX	S5400			7/20/2012		7/20/2012	10/3/2012		Generation date is 8/20/1987; Original container HMSF010561 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable; Filter reconfiguration date: 10/3/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36375	WMAPSLB037	SLB2	APPROVED_CERT		10/15/2012 16:35	mccabed	SR-W027-HBL-BOX	S5400			7/17/2012		7/17/2012	10/3/2012		Generation date is 8/20/1987; Original container HMSF011298 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable; Filter reconfiguration date: 10/3/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36376	WMAPSLB038	SLB2	EMPLACED_CNTR	7/10/2013 13:01	7/26/2012 13:56	mccabed	SR-W027-HBL-BOX	S5400			7/19/2012		7/19/2012	7/19/2012		Generation date is 8/20/1987; Original container HMSF011305 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable		TRUE	FALSE	TRUE	Yes	4/6/2011			
36377	WMAPSLB039	SLB2	APPROVED_SHIP		10/26/2012 12:39	mccabed	SR-W027-HBL-BOX	S5400			7/18/2012		7/18/2012	9/26/2012		Generation date is 8/20/1987; Original container HMSF011306 repackaged into SLB2; added per MDoherty M158 072412; PCB Bulk Waste - Non Leachable; Filter reconfiguration date: 9/26/2012; Reduced filter model: NFT-013.		TRUE	FALSE	TRUE	Yes	4/6/2011			
36378	WMAPSLB042	SLB2	APPROVED_CERT		10/15/2012 16:36	mccabed	SR-W027-HBL-BOX	S5400			7/26/2012		7/26/2012	10/11/2012		PCB Bulk Waste - Non Leachable; Generation date is 8/20/1987; Original container HMSF011299 repackaged into SLB2; added per MDoherty M158 080312; Filter reconfiguration date: 10/11/2012; Reduced filter model: NFT-013		TRUE	FALSE	TRUE	Yes	4/6/2011			
36379	WMAPSLB045	SLB2	APPROVED_CERT		8/7/2012 10:19	mccabed	SR-W027-HBL-BOX	S5400			8/1/2012		8/1/2012	8/1/2012		PCB Bulk Waste - Non Leachable; Generation date is 8/20/1987; Original container HMSF010566 repackaged into SLB2; added per MDoherty M158 080312		TRUE	FALSE	TRUE	Yes	4/6/2011			
36380	WMAPSLB046	SLB2	APPROVED_CERT		10/15/2012 16:37	mccabed	SR-W027-HBL-BOX	S5400		0	8/24/2012		8/24/2012	10/10/2012		221-F-S5078; Filter reconfiguration date: 10/10/2012; Reduced filter model: NFT-013	- Rpkgd was SR520857	TRUE	TRUE	TRUE			SR520857		Repack
36381	WMAPSLB047	SLB2	APPROVED_CERT		10/15/2012 16:38	mccabed	SR-W027-HBL-BOX	S5400			7/31/2012		7/31/2012	10/11/2012		SW15.3-SOP-LCNCC-01 SLB2 Loading Data Sheet; Filter reconfiguration date: 10/11/2012; Reduced filter model: NFT-013	- Rpkgd was SR612302	TRUE	FALSE	TRUE	NA		SR612302		NA
36382	WMAPSLB048	SLB2	EMPLACED_CNTR	8/20/2013 13:27	8/2/2012 8:23	mccabed	SR-W027-HBL-BOX	S5400			8/1/2012		8/1/2012	8/1/2012		B25OP, waste and box lid placed into SLB2 SR612303; SW15.3-SOP-LCNCC-01 SLB2 Loading Data Sheet	- Rpkgd was SR612303	TRUE	FALSE	TRUE	NA		SR612303		NA
36383	WMAPSWB530	SWB	APPROVED_CERT		5/31/2012 10:33	mccabed	SR-W027-HBL-BOX	S5400		0	5/23/2012		5/23/2012				- Rpkgd was SR511268	TRUE	TRUE	TRUE			SR511268		Repack

AK28

CONTAINERID	WASTESTREAM	AK_REPORT	WASTE_MATRIX_CODE	VENTDATE	CLOSUREDATE	VENTDATE1	CLOSUREDATE1	WDS_STATUS	DISPOSAL_DATE	COMMENT
SR585133K	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/10/2013	9/10/2013					Added per JHarrison 092413.
SR523677E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/5/2013	9/5/2013					Added per JHarrison 092413.
PADTEMP9F	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/3/2013	9/3/2013					Added per JHarrison 090513.
PAD12TMP2H	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/29/2013	8/29/2013					Added per JHarrison 090513.
PAD12TMP2F	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/29/2013	8/29/2013					Added per JHarrison 090513.
PAD12TMP2E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/29/2013	8/29/2013					Added per JHarrison 090513.
SDD076309	SR-RH-SDD.01	CCP-AK-SRS-630	S5111	8/7/2013	8/7/2013					Added per KPeters 101813.
SDD076308	SR-RH-SDD.01	CCP-AK-SRS-630	S5111	8/7/2013	8/7/2013					Added per KPeters 101813.
SDD076307	SR-RH-SDD.01	CCP-AK-SRS-630	S5111	8/6/2013	8/6/2013					Added per KPeters email 101813.
SR668976B	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/5/2013	8/5/2013					Added per JHarrison 081913.
TEMP18G	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/30/2013	7/30/2013					
TEMP18F	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/30/2013	7/30/2013					
TEMP18E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/30/2013	7/30/2013					
TEMP18C	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/30/2013	7/30/2013					
TEMP18B	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/30/2013	7/30/2013					
CSK200202C	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/23/2013	7/23/2013					Removed the A due to 10-character limit.
CSK200202B	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/23/2013	7/23/2013					Removed the A due to 10-character limit.
CSK200202A	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/23/2013	7/23/2013					Removed the A due to 10-character limit.
CSK200201I	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201H	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201G	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201F	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201E	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201D	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201C	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201B	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201A	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/18/2013	7/18/2013					A removed due to 10-character limit.
CSK200201L	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/17/2013	7/17/2013					A removed due to 10-character limit.
CSK200201K	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/17/2013	7/17/2013					A removed due to 10-character limit.
CSK200201J	SR-RH-221H.02	CCP-AK-SRS-600	S5400	7/17/2013	7/17/2013					A removed due to 10-character limit.
FCAN05005A	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05004B	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05004A	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05003B	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05003A	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					

FCAN05002B	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05002A	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05001B	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
FCAN05001A	SR-RH-FBL.02	CCP-AK-SRS-580	S5400	6/27/2013	6/27/2013					
SR522596A	SR-RH-221H.01	CCP-AK-SRS-600	S5400	3/17/2013	3/17/2013					Added per KPeters 090513.
SR523564E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/13/2012	12/13/2012					Added per JHarrison 012813.
SR523564D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/13/2012	12/13/2012					Added per JHarrison 012813.
SR608884D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/11/2012	11/19/1995		12/11/2012			Added per JHarrison 012813.
SR608884C	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/11/2012	11/19/1995		12/11/2012			Added per JHarrison 012813.
SR585133H	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/7/2012	3/24/1994		12/7/2012			Added per JHarrison 12/12/12.
SR585133F	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/7/2012	3/24/1994		12/7/2012			Added per JHarrison 12/12/12.
SR585133D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/7/2012	3/24/1994		12/7/2012			Added per JHarrison 12/12/12.
SR585133C	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/7/2012	3/24/1994		12/7/2012			Added per JHarrison 12/12/12.
SR608873H	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/4/2012	11/10/1995		12/4/2012			Added per JHarrison 12/12/12.
SR608873D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/4/2012	11/10/1995		12/4/2012			Added per JHarrison 12/12/12.
SR608873C	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/4/2012	11/10/1995		12/4/2012			Added per JHarrison 12/12/12.
SR608873B	SR-RH-773A.01	CCP-AK-SRS-570	S5400	12/4/2012	11/10/1995		12/4/2012			Added per JHarrison 12/12/12.
TEMP15E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/29/2012	11/29/2012	9/18/2013	9/18/2013			Added per JHarrison 120512; Added closure1 and vent1 per JHarrison 092413.
SR509776E	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/15/2012	11/15/2012					Added per JHarrison 120512.
SR509776D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/15/2012	11/15/2012					Added per JHarrison 012813.
SR509776C	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/15/2012	11/15/2012					Added per JHarrison 120512.
SR509776B	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/15/2012	11/15/2012					Added per JHarrison 012813.
SR610863G	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/14/2012	3/27/1996		11/14/2012			Added per JHarrison 120512.
SR610863F	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/14/2012	3/27/1996		11/14/2012			Added per JHarrison 120512.
SR523111DD	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/1/2012	11/1/2012					Added per JHarrison 120512.
SR523111DC	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/1/2012	11/1/2012					Added per JHarrison 120512.
SR523111DB	SR-RH-773A.01	CCP-AK-SRS-570	S5400	11/1/2012	11/1/2012					Added per JHarrison 120512.
PADTEMP9D	SR-RH-773A.01	CCP-AK-SRS-570	S5400	10/30/2012	10/30/2012					Added per JHarrison 052813.
PADTEMP9B	SR-RH-773A.01	CCP-AK-SRS-570	S5400	10/30/2012	10/30/2012					Added per JHarrison 120512.
SR6622901D	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	10/2/2012	10/2/2012					Moved to RH from CH per SSchafer 113012.
SR6622901C	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	10/2/2012	10/2/2012					Moved to RH from CH per SSchafer 113012.
SR6622901A	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	10/2/2012	10/2/2012					Moved to RH from CH per SSchafer 113012.

SR46036Q	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	9/12/2012	4/15/1971		9/12/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Out of Service Date: 5/26/2010; Moved to RH from CH per SSchafer 113012.
SR46037U	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	9/11/2012	4/15/1971		9/11/2012			Moved to RH from CH per SSchafer 113012.
SR46037R	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	9/11/2012	4/15/1971		9/11/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Out of Service Date: 5/26/2010; Moved to RH from CH per SSchafer 113012.
SR500255A	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/15/2012	8/15/2012					Waste generation date: 8/12/1974
SR46036P	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	6/14/2012	4/15/1971		6/14/2012			Added per KPeters 013113.
SR46073PA	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	6/13/2012	6/13/2012					Moved to RH from CH per SSchafer 113012.
SR90916A	SR-RH-773A.01	CCP-AK-SRS-570	S5400	6/4/2012	6/4/2012					
SR46072MB	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	6/4/2012	6/4/2012					Added per SSchafer 113012.
SR46076N	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	5/31/2012	4/15/1971		5/31/2012			PCB Waste PCB Bulk Product Waste - Non Leachable; Out of Service Date: 5/26/2010; Moved to RH from CH per SSchafer 113012.
SR46065UB	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	1/3/2012	1/3/2012					Moved to RH from CH per SSchafer 113012.
SR46064SA	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	10/18/2011	10/18/2011					
SR46083U	SR-RH-MNDPAD1.01	CCP-AK-SRS-620	S5400	5/13/2010	4/15/1971		5/13/2010			Moved to RH from CH per SSchafer 113012.
SR98029A	SR-RH-773A.01	CCP-AK-SRS-570	S5400	7/11/2008	7/1/1976					
SR513217A	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	7/1/2008	6/24/1980			EMPLACED_CNTR	6/14/2012 11:47	
SR504231	SR-RH-235F.01	CCP-AK-SRS-560	S5400	6/5/2008	8/28/1975	8/19/2008	8/19/2008			Added per JMontoya email 071712.
SR501392	SR-RH-773A.01	CCP-AK-SRS-570	S5400	6/5/2008	11/13/1975	6/5/2012	6/5/2012			221-F-55006 Tru Drum Repackaging
SR501028	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	6/5/2008	1/10/1975			EMPLACED_CNTR	6/13/2012 12:16	
SR509714	SR-RH-773A.01	CCP-AK-SRS-570	S5400	5/12/2008	10/24/1979					
SR108108	SR-RH-773A.01	CCP-AK-SRS-570	S5400	5/12/2008	5/9/1975					
SR512190	SR-RH-773A.01	CCP-AK-SRS-570	S5400	4/14/2008	4/10/1980					
SR110756	SR-RH-773A.01	CCP-AK-SRS-570	S5400	4/7/2008	2/23/1976					
SR110845	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/19/2008	5/22/1975					
SR526226	SR-RH-221H.01	CCP-AK-SRS-600	S5400	3/18/2008	11/27/1984					
SR97970	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/17/2008	1/8/1985					
SR504242	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	3/17/2008	11/26/1975			EMPLACED_CNTR	6/13/2012 12:16	
SR115507	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/17/2008	8/28/1975					
SR97917	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/14/2008	8/4/1983					

SR95548	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/14/2008	10/7/1982					
SR97923	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/16/2008	10/6/1986					
SR90971	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/16/2008	9/23/1982					
SR90916	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/16/2008	8/25/1981	6/4/2012	6/4/2012			221-F-55006 Tru Drum Repackaging
SR97989	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/11/2008	7/18/1984					
SR506901	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/11/2008	7/21/1977					
SR98045	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/10/2008	10/13/1976					
SR98029	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/10/2008	4/21/1977					
SR108112	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/10/2008	2/21/1975					
SR98089	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/9/2008	4/21/1977					
SR505616	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/9/2008	2/15/1979					
SR504716	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/9/2008	11/4/1976					
SR98064	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/8/2008	3/3/1977					
SR108043	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/8/2008	3/13/1980					
SR522331	SR-RH-221H.01	CCP-AK-SRS-600	S5400	2/7/2008	1/26/1984					
SR513955	SR-RH-221H.01	CCP-AK-SRS-600	S5400	2/7/2008	4/9/1981					
SR98008	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/6/2008	12/11/1984					
SR90959	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/6/2008	8/31/1982					
SR503732	SR-RH-773A.01	CCP-AK-SRS-570	S5400	2/6/2008	11/26/1975					
SR80930	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/25/2007	6/24/1980					
SR513961	SR-RH-221H.01	CCP-AK-SRS-600	S5400	7/12/2007	4/9/1981					
SR545535	SR-RH-221H.01	CCP-AK-SRS-600	S5400	5/23/2007	11/13/1986					Added back per KPeters 082712.
SR526224	SR-RH-221H.01	CCP-AK-SRS-600	S5400	5/23/2007	11/27/1984					
SR501117	SR-RH-235F.01	CCP-AK-SRS-560	S5400	4/29/2007	8/7/1979					
SR518755	SR-RH-235F.01	CCP-AK-SRS-560	S5400	4/25/2007	4/10/1980					
SR504196	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	4/10/2007	5/22/1975			PRESUB_CHARZ		
SR512002	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	3/8/2007	1/17/1980			EMPLACED_CNTR	6/13/2012 12:16	
FBL05124	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	11/8/2005	11/8/2005					Added per KPeters 091313.
SR108049	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/29/2005	1/10/1975					
SR518716	SR-RH-235F.01	CCP-AK-SRS-560	S5400	6/23/2004	1/22/1980					
SR526627	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	5/28/2004	12/11/1984			EMPLACED_CNTR	6/14/2012 11:47	
SR510588	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	1/21/2004	4/10/1980			EMPLACED_CNTR	6/15/2012 11:06	
773A020001	SR-RH-773A.01	CCP-AK-SRS-570	S5400	1/14/2004	1/14/2004					
SR504233	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	11/3/2003	11/13/1975			EMPLACED_CNTR	6/15/2012 11:06	
BC0167	SR-BCLDP.001.001	CCP-AK-SRS-510	S3212	3/13/2003	3/13/2003			EMPLACED_CNTR	10/16/2010 14:27	This drum is also referenced as BC-0167.
BC0165	SR-BCLDP.003	CCP-AK-SRS-530	S3212	3/12/2003	3/12/2003			EMPLACED_CNTR	11/18/2010 13:28	This drum is also referenced as BC-0165
BC0161	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/27/2002	12/27/2002			EMPLACED_CNTR	7/30/2009	
BC0160	SR-BCLDP.001.001	CCP-AK-SRS-510	S3212	12/27/2002	12/27/2002			EMPLACED_CNTR	10/16/2010 14:27	This drum is also referenced as BC-0160.

BC0159	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/26/2002	12/26/2002			EMPLACED_CNTR	7/31/2009	
BC0148	SR-RL-BCLDP.002	CCP-AK-SRS-500	S5110	11/21/2002	11/21/2002			EMPLACED_CNTR	8/3/2011 11:29	
772F020022	SR-RH-772F.01	CCP-AK-SRS-550	S5400	10/29/2002	10/29/2002					
BC0150	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/28/2002	10/28/2002			EMPLACED_CNTR	7/31/2009	
BC0158	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/11/2002	10/11/2002			EMPLACED_CNTR	11/15/2010 20:09	This drum is also referenced as BC-0158
BC0157	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/11/2002	10/11/2002			EMPLACED_CNTR	11/15/2010 20:09	This drum is also referenced as BC-0157
BC0156	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/10/2002	10/10/2002			EMPLACED_CNTR	11/15/2010 20:09	This drum is also referenced as BC-0156
BC0155	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/10/2002	10/10/2002			EMPLACED_CNTR	11/7/2010 11:28	This drum is also referenced as BC-0155
BC0154	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/10/2002	10/10/2002			EMPLACED_CNTR	11/7/2010 11:28	This drum is also referenced as BC-0154
BC0153	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/9/2002	10/9/2002			EMPLACED_CNTR	11/7/2010 11:28	This drum is also referenced as BC-0153
BC0152	SR-BCLDP.003	CCP-AK-SRS-530	S3212	10/9/2002	10/9/2002					Moved from CH WS SR-BCLDP.003.001 per KPeters email 090812.
BC0149	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/23/2002	8/23/2002			EMPLACED_CNTR	7/30/2009	
BC0147	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/23/2002	8/23/2002					Disposal Date: 6/5/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO002.
BC0146	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	7/12/2002	7/12/2002					Disposal Date: 6/19/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO003.
BC0138	SR-BCLDP.001.001	CCP-AK-SRS-510	S3212	6/21/2002	6/21/2002			EMPLACED_CNTR	10/10/2010 11:41	This drum is also referenced as BC-0138.
BC0142	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/19/2002	6/19/2002			EMPLACED_CNTR	7/31/2009	
BC0036	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/13/2002	6/13/2002					Disposal Date: 6/5/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO002.
BC0144	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/12/2002	6/12/2002			EMPLACED_CNTR	7/28/2009	
BC0145	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/11/2002	6/11/2002			EMPLACED_CNTR	7/28/2009	
BC0084	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/11/2002	6/11/2002			EMPLACED_CNTR	5/8/2009	
BC0143	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/6/2002	6/6/2002			EMPLACED_CNTR	8/28/2009	
BC0070	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/5/2002	6/5/2002			EMPLACED_CNTR	5/20/2009	
BC0141	SR-BCLDP.001.001	CCP-AK-SRS-510	S3212	5/31/2002	5/31/2002			EMPLACED_CNTR	10/16/2010 14:27	This drum is also referenced as BC-0141.
BC0136	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/30/2002	5/30/2002			EMPLACED_CNTR	7/28/2009	
BC0091	SR-BCLDP.001.002	CCP-AK-SRS-510	S5410	5/30/2002	5/30/2002			EMPLACED_CNTR	10/20/2010 12:38	
BC0139	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/28/2002	5/28/2002			EMPLACED_CNTR	8/19/2009	
BC0135	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/28/2002	5/28/2002			EMPLACED_CNTR	7/29/2009	
BC0083	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/28/2002	5/28/2002			EMPLACED_CNTR	5/14/2009	
BC0034	SR-BCLDP.002	CCP-AK-SRS-520	S3150	5/22/2002	5/22/2002			EMPLACED_CNTR	10/23/2010 10:53	
BC0134	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/11/2002	5/11/2002			EMPLACED_CNTR	8/19/2009	
BC0133	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/17/2002	4/17/2002			EMPLACED_CNTR	7/7/2009	

BC0130	SR-BCLDP.001.001	CCP-AK-SRS-510	S3212	4/11/2002	4/11/2002			EMPLACED_CNTR	10/10/2010 11:41	This drum is also referenced as BC-0130.
BC0132	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/2/2002	4/2/2002			EMPLACED_CNTR	5/13/2009	
BC0128	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/2/2002	4/2/2002					Disposal Date: 9/1/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO004.
BC0131	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/28/2002	3/28/2002			EMPLACED_CNTR	5/19/2009	
BC0118	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/13/2002	2/13/2002			EMPLACED_CNTR	5/29/2009	
BC0129	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/11/2002	2/11/2002			EMPLACED_CNTR	7/26/2009	
BC0126	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/11/2002	2/11/2002			EMPLACED_CNTR	8/13/2009	
BC0125	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/11/2002	2/11/2002			EMPLACED_CNTR	5/29/2009	
BC0127	SR-BCLDP.001.002	CCP-AK-SRS-510	S5410	1/26/2002	1/26/2002			EMPLACED_CNTR	10/21/2010 11:25	
BC0060	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/24/2002	1/24/2002					Disposal Date: 6/19/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO003.
BC0115	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/22/2002	1/22/2002					
BC0122	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/21/2002	1/21/2002					
BC0121	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/21/2002	1/21/2002					
BC0112	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/21/2002	1/21/2002					
BC0124	SR-BCLDP.001.002	CCP-AK-SRS-510	S5410	1/14/2002	1/14/2002			EMPLACED_CNTR	10/20/2010 12:38	
BC0116	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/12/2002	1/12/2002			EMPLACED_CNTR	8/18/2009	
BC0119	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/11/2002	1/11/2002			EMPLACED_CNTR	8/13/2009	
BC0117	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/31/2001	12/31/2001			EMPLACED_CNTR	5/29/2009	
BC0120	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/28/2001	12/28/2001			EMPLACED_CNTR	5/19/2009	
BC0114	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/8/2001	12/8/2001					Disposal Date: 9/1/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO004.
BC0108	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/28/2001	11/28/2001					
BC0094	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/27/2001	11/27/2001					
BC0113	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/26/2001	11/26/2001					
BC0110	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/17/2001	11/17/2001			EMPLACED_CNTR	5/13/2009	
BC0107	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/16/2001	11/16/2001			EMPLACED_CNTR	7/30/2009	
BC0109	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/1/2001	11/1/2001			EMPLACED_CNTR	8/18/2009	
BC0105	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/25/2001	10/25/2001			EMPLACED_CNTR	9/10/2009	
BC0103	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/25/2001	10/25/2001			EMPLACED_CNTR	8/11/2009	
BC0101	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	9/26/2001	9/26/2001					
BC0106	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	9/25/2001	9/25/2001					
BC0104	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	9/25/2001	9/25/2001					
BC0102	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	9/25/2001	9/25/2001					
BC0100	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	9/17/2001	9/17/2001			EMPLACED_CNTR	7/26/2009	

BC0098	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/17/2001	8/17/2001			EMPLACED_CNTR	9/3/2009	
BC0089	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	7/31/2001	7/31/2001			EMPLACED_CNTR	5/19/2009	
BC0099	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	7/30/2001	7/30/2001			EMPLACED_CNTR	5/13/2009	
BC0097	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	7/25/2001	7/25/2001			EMPLACED_CNTR	9/10/2009	
BC0096	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/29/2001	6/29/2001					
BC0086	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/29/2001	6/29/2001					
BC0078	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/29/2001	6/29/2001					
BC0088	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/28/2001	6/28/2001					
BC0087	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/26/2001	6/26/2001			EMPLACED_CNTR	6/2/2009	
BC0085	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/21/2001	5/21/2001			EMPLACED_CNTR	5/8/2009	
BC0081	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/21/2001	5/21/2001			EMPLACED_CNTR	6/3/2009	
BC0093	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/19/2001	4/19/2001			EMPLACED_CNTR	7/29/2009	
BC0095	SR-BCLDP.004.003	CCP-AK-SRS-540	S5410	4/16/2001	4/16/2001			EMPLACED_CNTR	11/4/2010 11:13	
BC0038	SR-BCLDP.004.003	CCP-AK-SRS-540	S5410	4/12/2001	4/12/2001			EMPLACED_CNTR	11/4/2010 11:13	
BC0039	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/28/2001	3/28/2001					
BC0080	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/22/2001	3/22/2001					
BC0076	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/22/2001	3/22/2001					
BC0072	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/22/2001	3/22/2001					
BC0082	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/1/2001	3/1/2001			EMPLACED_CNTR	8/28/2009	
BC0077	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/23/2001	2/23/2001			EMPLACED_CNTR	5/14/2009	
BC0090	SR-BCLDP.001.002	CCP-AK-SRS-510	S5410	2/22/2001	2/22/2001			EMPLACED_CNTR	10/20/2010 12:38	
BC0075	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/13/2001	2/13/2001			EMPLACED_CNTR	5/14/2009	
BC0065	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/1/2001	2/1/2001					
BC0079	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/18/2001	1/18/2001			EMPLACED_CNTR	5/7/2009	
BC0074	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/16/2001	1/16/2001			EMPLACED_CNTR	5/7/2009	
BC0064	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/15/2001	1/15/2001			EMPLACED_CNTR	6/2/2009	
BC0073	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/12/2001	1/12/2001			EMPLACED_CNTR	5/7/2009	
BC0071	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/8/2001	1/8/2001			EMPLACED_CNTR	5/5/2009	
BC0069	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/18/2000	12/18/2000			EMPLACED_CNTR	8/11/2009	
BC0067	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/18/2000	12/18/2000			EMPLACED_CNTR	5/5/2009	
BC0059	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/13/2000	12/13/2000			EMPLACED_CNTR	5/5/2009	
BC0066	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/1/2000	12/1/2000			EMPLACED_CNTR	7/26/2009	
BC0058	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/20/2000	11/20/2000			EMPLACED_CNTR	6/3/2009	
BC0063	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	11/8/2000	11/8/2000			EMPLACED_CNTR	6/3/2009	
BC0041	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/11/2000	10/11/2000			EMPLACED_CNTR	5/6/2009	
BC0062	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/10/2000	10/10/2000			EMPLACED_CNTR	9/3/2009	
BC0061	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	10/3/2000	10/3/2000			EMPLACED_CNTR	6/12/2009	
772F000053	SR-RH-772F.01	CCP-AK-SRS-550	S5400	9/25/2000	9/25/2000	9/18/2007				Moved to RH from CH per KPeters email 110812.
BC0054	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/17/2000	8/17/2000			EMPLACED_CNTR	5/20/2009	

BC0051	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/15/2000	8/15/2000			EMPLACED_CNTR	6/12/2009	
BC0056	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	8/10/2000	8/10/2000			EMPLACED_CNTR	9/10/2009	
BC0043	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	6/28/2000	6/28/2000					
BC0057	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	5/2/2000	5/2/2000			EMPLACED_CNTR	7/29/2009	
BC0053	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/25/2000	4/25/2000			EMPLACED_CNTR	8/28/2009	
BC0055	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/11/2000	4/11/2000			EMPLACED_CNTR	5/20/2009	
BC0048	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	4/7/2000	4/7/2000			EMPLACED_CNTR	6/12/2009	
BC0050	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/10/2000	3/10/2000			EMPLACED_CNTR	8/13/2009	
BC0049	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/10/2000	3/10/2000			EMPLACED_CNTR	6/2/2009	
BC0047	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	3/1/2000	3/1/2000					Disposal Date: 9/1/2009; Shipped and disposed at WIPP in 72-B Removable Lid DL BCO004.
BC0037	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/29/2000	2/29/2000			EMPLACED_CNTR	5/6/2009	
BC0046	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/16/2000	2/16/2000			EMPLACED_CNTR	7/7/2009	
BC0045	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/7/2000	2/7/2000			EMPLACED_CNTR	5/6/2009	
BC0044	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	2/4/2000	2/4/2000			EMPLACED_CNTR	7/7/2009	
BC0042	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/24/2000	1/24/2000			EMPLACED_CNTR	8/11/2009	
BC0040	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/10/2000	1/10/2000			EMPLACED_CNTR	8/19/2009	
BC0033	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	1/4/2000	1/4/2000			EMPLACED_CNTR	8/18/2009	
BC0035	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/27/1999	12/27/1999			EMPLACED_CNTR	9/3/2009	
BC0032	SR-RL-BCLDP.001	CCP-AK-SRS-500	S5400	12/8/1999	12/8/1999			EMPLACED_CNTR	5/8/2009	
773A000001	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/20/1999	8/20/1999					
BC0021	SR-BCLDP.004.002	CCP-AK-SRS-540	S5410	8/5/1999	8/5/1999			EMPLACED_CNTR	10/31/2010 14:30	
BC0017	SR-BCLDP.004.002	CCP-AK-SRS-540	S5410	7/28/1999	7/28/1999			EMPLACED_CNTR	10/31/2010 14:30	
BC0012	SR-BCLDP.004.002	CCP-AK-SRS-540	S5410	6/22/1999	6/22/1999			EMPLACED_CNTR	10/29/2010 11:31	
BC0009	SR-BCLDP.004.002	CCP-AK-SRS-540	S5410	6/1/1999	6/1/1999			EMPLACED_CNTR	10/29/2010 11:31	
BC0001	SR-BCLDP.004.002	CCP-AK-SRS-540	S5410	5/5/1999	5/5/1999			EMPLACED_CNTR	10/29/2010 11:31	
SR520707	SR-RH-235F.01	CCP-AK-SRS-560	S5400	9/9/1998	1/17/1980					
SR522294	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/8/1998	5/22/1980					
SR513062	SR-RH-235F.01	CCP-AK-SRS-560	S5400	5/20/1998	1/22/1980					
SR118870	SR-RH-FBL.01	CCP-AK-SRS-580	S5400	5/20/1998	3/13/1980			EMPLACED_CNTR	6/14/2012 11:47	
SR526264	SR-RH-221H.01	CCP-AK-SRS-600	S5400	9/25/1997	12/4/1984					
SR524227	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/25/1997	11/13/1979					
SR522855	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/25/1997	1/22/1981					
SR526263	SR-RH-221H.01	CCP-AK-SRS-600	S5400	9/23/1997	12/4/1984					
SR526227	SR-RH-221H.01	CCP-AK-SRS-600	S5400	9/23/1997	11/27/1984					
SR526225	SR-RH-221H.01	CCP-AK-SRS-600	S5400	9/23/1997	11/27/1984					
SR522989	SR-RH-221H.01	CCP-AK-SRS-600	S5400	9/22/1997	8/2/1984					
SR608900	SR-RH-773A.01	CCP-AK-SRS-570	S5400	9/27/1996	9/27/1996					
SR585126	SR-RH-773A.01	CCP-AK-SRS-570	S5400	3/1/1994	3/1/1994					

SR570547	SR-RH-221H.01	CCP-AK-SRS-600	S5400	11/28/1990	11/28/1990					
SR570548	SR-RH-221H.01	CCP-AK-SRS-600	S5400	11/27/1990	11/27/1990					
SR570546	SR-RH-221H.01	CCP-AK-SRS-600	S5400	11/27/1990	11/27/1990					
SR570545	SR-RH-221H.01	CCP-AK-SRS-600	S5400	11/27/1990	11/27/1990					
SR518761	SR-RH-235F.01	CCP-AK-SRS-560	S5400	10/7/1982	10/7/1982					
SR504070	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/26/1975	8/26/1975					
SR504064	SR-RH-773A.01	CCP-AK-SRS-570	S5400	8/26/1975	8/26/1975					
SR607484	SR-RH-SWD.01	CCP-AK-SRS-640	S5400		8/15/1995	6/12/2012	6/12/2012			Removed from CH SRS IDC and added to RH per KPeters 100413.
SR523677C	SR-RH-773A.01	CCP-AK-SRS-570	S5400		9/13/1984	9/18/2013	9/18/2013			Added per JHarrison 052813; Updated closure1 and vent1 per JHarrison 092413.
SR506658	SR-RH-FBL.01	CCP-AK-SRS-580	S5400		12/15/1977	12/8/2012	10/8/2012			Moved from CH to RH per KPeters 012413.
SR500417B	SR-RH-773A.01	CCP-AK-SRS-570	S5400		11/6/1974	8/27/2012	8/27/2012			Removed from CH and added to RH per SSchafer email 101812.
773A050026	SR-RH-773A.01	CCP-AK-SRS-570	S5400		5/1/2006					
773A020015	SR-RH-773A.01	CCP-AK-SRS-570	S5400		12/5/2001					

AK29

CONTAINERID: SR108180

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SR108180	55G		APPROVED_CHARZ	NO	SR-SWMF-HET-B	SR-SWMF-HET-B-Lot 1 (Lot)	

BDR DATA

BDRID	Type	Status	Generation Date
ECL12019M	HSG	Complete	2012-06-07
SR12FG11084	HSG_TRANS	Complete	2012-08-16
SRHSG1211	HSG	Complete	2012-05-22
SRLBC0706	NDA	Complete	2012-06-01
SRSRTR0573	RTR	Complete	2012-04-10

NCR DATA

Container ID	NCRID	Status	Release Code
SR108180	NO DATA		

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SR108180	NO DATA				

DIVIDER PAGE

CONTAINERID: SR607486

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SR607486	55G		APPROVED_CHARZ	NO	SR-SWMF-HET-B	SR-SWMF-HET-B-Lot 1 (Lot)	

BDR DATA

BDRID	Type	Status	Generation Date
ECL13001M	HSG	Complete	2013-01-23
SR12FG11124	HSG_TRANS	Complete	2012-11-07
SRHSG1301	HSG	Complete	2013-01-08
SRHSG1301_QTR0113	HSG	Complete	2013-04-23
SRLBC0861	NDA	Complete	2012-11-06
SRLBR0069	RTR	Complete	2012-10-30

NCR DATA

Container ID	NCRID	Status	Release Code
SR607486	NO DATA		

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SR607486	NO DATA				

DIVIDER PAGE

CONTAINERID: SR526264

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SR526264			NO WDS STATUS	NO	SR-RH-221H.01	NONE	NONE

BDR DATA

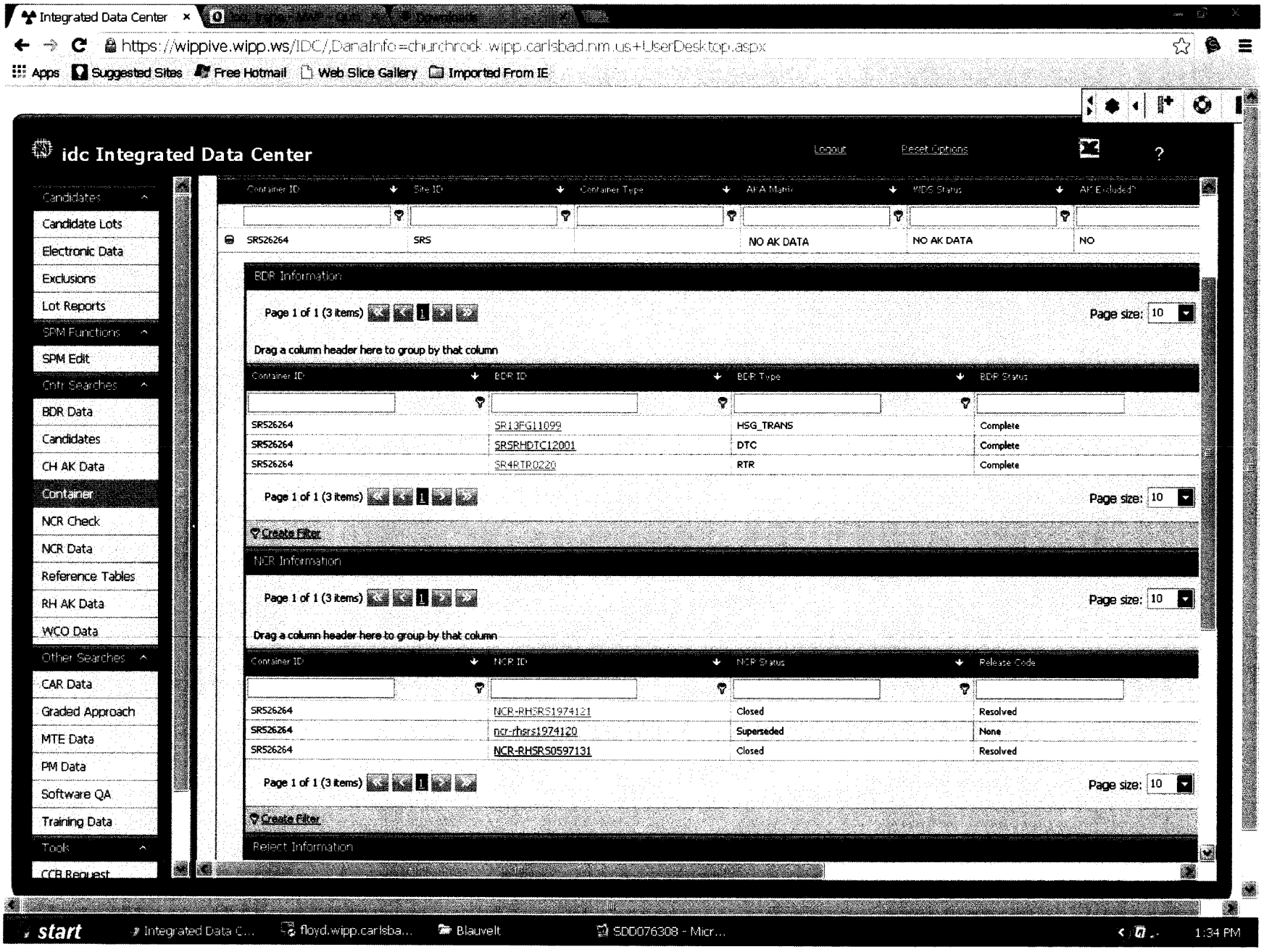
BDRID	Type	Status	Generation Date
SR4RTR0220	RTR	Complete	2011-12-13
SRSRHDTC12001	DTC	Complete	2012-11-01

NCR DATA

Container ID	NCRID	Status	Release Code
SR526264	NCR-RHSRS0597131	Closed	Resolved
SR526264	ncr-rhsrs1974120	Superseded	None
SR526264	NCR-RHSRS1974121	Closed	Resolved

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SR526264	NO DATA				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Suggested Sites
Free Hotmail
Web Slice Gallery
Imported From IE
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Logout
Reset Options
Candidates
Candidate Lots
Electronic Data
Exclusions
Lot Reports
SPM Functions
SPM Edit
Cntr Searches
BDR Data
Candidates
CH AK Data
Container
NCR Check
NCR Data
Reference Tables
RH AK Data
WCO Data
Other Searches
CAR Data
Graded Approach
MTE Data
PM Data
Software QA
Training Data
Tools
CCB Request
Container ID
Site ID
Container Type
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WIDS Status
AK Excluded?
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BDR Type
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SRSRHDTC12001
DTC
Complete
SR4RTR0220
RTR
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NCR ID
NCR Status
Release Code
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Resolved
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Superseded
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Closed
Resolved
Reject Information
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DIVIDER PAGE

CONTAINERID: MDL0506566

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
MDL0506566	55G		APPROVED_CERT	NO	SR-MD-SOIL	SR-MD-SOIL-Lot 9 (New Lot)	

BDR DATA

BDRID	Type	Status	Generation Date
SR09FG3027	HSG_TRANS	Complete	2009-03-16
SR12FG11092	HSG_TRANS	Complete	2012-09-05
SR12FG11137	HSG_TRANS	Complete	2012-12-06
SR4RTR0016	RTR	Complete	2009-03-11
SR4RTR0266	RTR	Complete	2012-06-11
SR4RTR0301	RTR	Complete	2012-12-05
SRLBC0186	NDA	Complete	2010-06-28
SRLBC0887	NDA	Complete	2013-01-08
SRLBR0057	RTR	Complete	2012-08-15
SRSGS266	NDA	Complete	2009-03-19

NCR DATA

Container ID	NCRID	Status	Release Code
MDL0506566	NCR-SRS0172130	Closed	Resolved
MDL0506566	NCR-SRS0440090	Closed	Resolved

MDL0506566	NCR-SRS0938120	Closed	Resolved
MDL0506566	ncr-srs1429120	Closed	Resolved
MDL0506566	NCR-SRS1810120	Closed	Resolved

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
MDL0506566	SR4RTR0266	NCR-SRS0938120	Closed	Resolved	Impenetrable throughout container.
MDL0506566	SRLBR0057	ncr-srs1429120	Closed	Resolved	Waste appears to be > 50% soil.. Therefore the waste does not appear to be an S5000 summary group.
MDL0506566	SRSGS266	NCR-SRS0440090	Closed	Resolved	Transmission review by EA indicated unacceptable transmission.

DIVIDER PAGE

CONTAINERID: MDL0506692

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
MDL0506692	55G	10416064	EMPLACED_CNTR	NO	SR-MD-SOIL	SR-MD-SOIL-Lot 4 (SRS MD-SOIL-04)	

BDR DATA

BDRID	Type	Status	Generation Date
ALD11026M	METALS	Complete	2011-10-12
ALD11026N	NHVOC	Complete	2011-10-12
ALD11026S	SVOC	Complete	2011-10-13
ALD11026V	PVOC	Complete	2011-10-12
SR10FG3032	HSG_TRANS	Complete	2010-08-17
SR4RTR0107	RTR	Complete	2010-08-10
SRLBC0211	NDA	Complete	2010-08-16
SSC11-00008	SLDS	Complete	2011-09-14

NCR DATA

Container ID	NCRID	Status	Release Code
MDL0506692	NO DATA		

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
MDL0506692	NO DATA				

DIVIDER PAGE

CONTAINERID: SR500174

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SR500174	55G	10461597	EMPLACED_CNTR	NO	SR-W027-321M-HOM	SR-W027-321M-HOM-Lot 1 (New Lot.)	

BDR DATA

BDRID	Type	Status	Generation Date
ALD12030F	PVOC	Complete	2012-12-18
ALD12030H	PVOC	Complete	2012-12-17
ALD12030M	METALS	Complete	2012-12-10
ALD12030N	NHVOC	Complete	2012-12-05
ALD12030S	SVOC	Complete	2012-12-05
ALD12030V	PVOC	Complete	2012-12-05
SR12FG11014	HSG_TRANS	Complete	2012-02-01
SR4RTR0230	RTR	Complete	2012-01-24
SRLBC0587	NDA	Complete	2012-01-24
SSG12-00007	SLDS	Complete	2012-11-15

NCR DATA

Container ID	NCRID	Status	Release Code
SR500174	NO DATA		

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SR500174	NO DATA				

DIVIDER PAGE

Tuesday, October 22, 2013

CONTAINERID: SDD076308

SRS

AK DATA

Container ID	Container Type	AKA Matrix	WDS Status	AK Excluded	WSID	LOTID	LOT Excluded
SDD076308			NO WDS STATUS	NO	SR-RH-SDD 01	NONE	NONE

BDR DATA

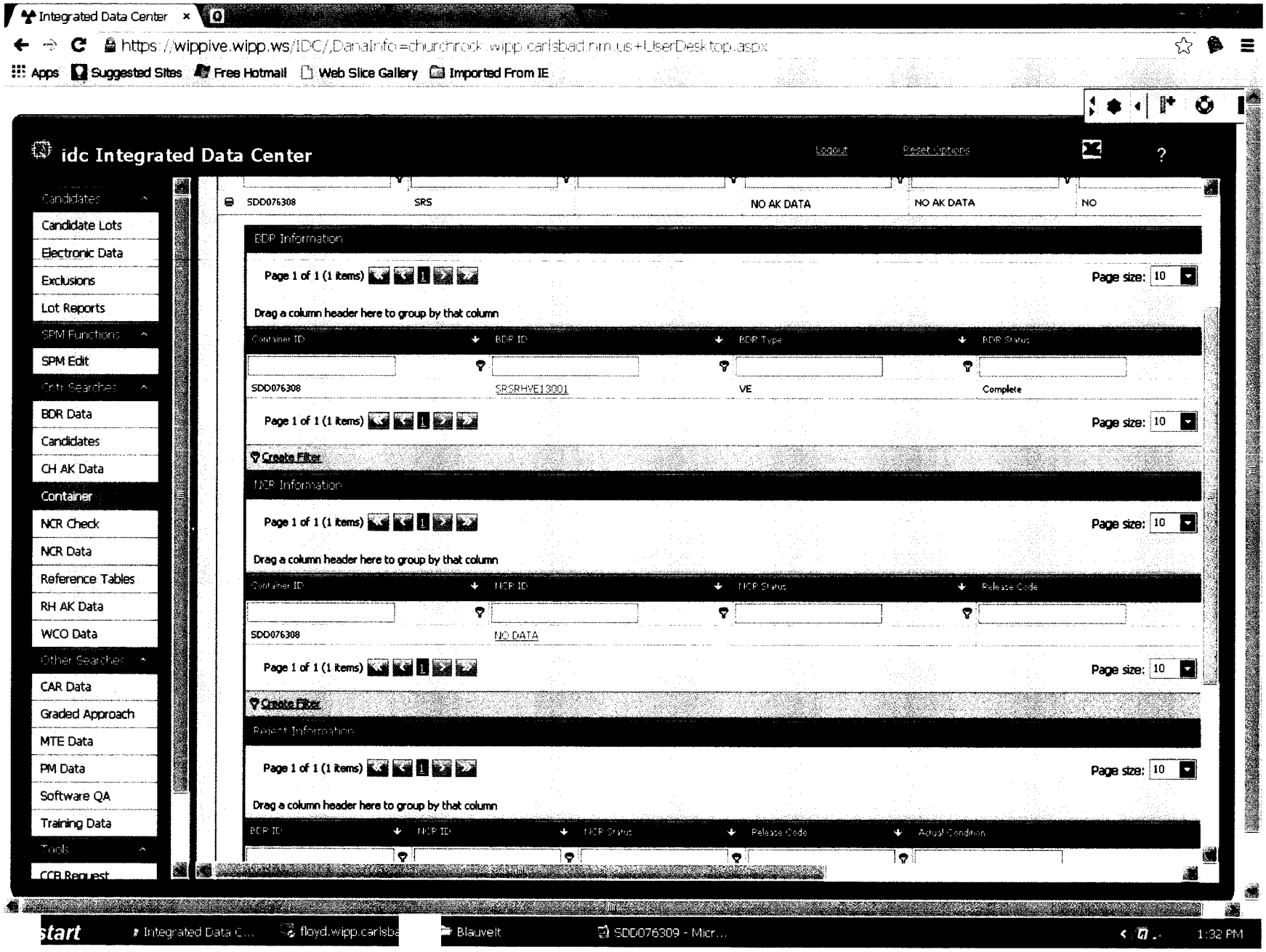
BDRID	Type	Status	Generation Date
SRSRHVE13001	VE	Complete	2013-08-19

NCR DATA

Container ID	NCRID	Status	Release Code
SDD076308	NO DATA		

REJECT DATA

Container ID	BDRID	NCRID	NCR Status	Release Code	Actual Condition
SDD076308	NO DATA				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Web Slice Gallery
Imported From IE
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Candidates
Candidate Lots
Electronic Data
Exclusions
Lot Reports
SPM Functions
SPM Edit
Gen Searches
BDR Data
Candidates
CH AK Data
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NCR Check
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Reference Tables
RH AK Data
WCO Data
Other Searches
CAR Data
Graded Approach
MTE Data
PM Data
Software QA
Training Data
Tools
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BDR Type
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NCR Status
Release Code
Actual Condition
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AK30

Based on OSR 29-90#
(Rev 5-22-2002)
Page 1 of 3

Transuranic Waste Container Characterization Form

Form contains calculations which are documented in G-CLC-E-00063

Generator Data

Date	Generator Facility/Location	Generator Organization	Form Completed By
5/4/2005	Mound Site/Location 1	Mound	GLENN SIRY

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

Glenn Siry	(803) 557-6383	705-3C
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type (Check One): ☑ TRU ☐ Mixed TRU

(Check One): ☐ Routine Waste ☑ Special Generation

☐ Waste Incidental To Reprocessing (WIR) Evaluation

Document No.

Waste Name
Mound Remediation Waste

Process Generating Waste
Remediation work on the Mound Site Project PRS-438

Container ID Number
MDL0506566

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☑ 55-gal Drum without Liner ☐ Standard Waste Box ☐ Other

Deviation Request Number:

Shielding Used ☑ No ☐ Yes (Specify)

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
615.00	59.08		4/21/2005	1

Vent Identification Numbers (Both External and Interior Vents)
LE-1091, NucFil013

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
N/D	N/D
Smearable Contamination (dpm/100 cm2)	Neutron Dose (mrem/hr)
☑ Meets requirements of <20 alpha and <200 beta/gamma	N/D distance (cm) N/A

Special Generation Comments:
Mound Remediation, newly generated waste.

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
CERCLA-Newly generated soils from Project PRS438. This is a homogeneous waste stream, deviation SWMD-RFD-2005-0017. This is part of the tenth Mound shipment. Mound drum number SD006566. Data Evaluation Summary Soils Sampling May-June 2002, dated January 21, 2005, provides evidence of no VOCs in the soils.

Container ID Number MDL0506566

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys		0.00
Aluminum based metals/alloys		0.00
Other metals		0.00
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)	Clay Absorbent Oil Dry	9.80
Organic matrix		0.00
Inorganic matrix		0.00
Soils	Remediation Soils	81.50
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	55 gallon drum	8.50
Plastic packaging materials	Plastic Bag	0.20
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorfluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		
				P015	Beryllium powder		

Container ID Number MDL0506566

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)
ISOCS and Sampling

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	7.5110E-03	2.8500E-03	1.0361E-02
239Pu	N/A	N/A	N/A
240Pu	N/A	N/A	N/A
241Pu	N/A	N/A	N/A
242Pu	N/A	N/A	N/A
241Am	1.6400E-04	7.3700E-05	2.3770E-04
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	7.6750E-03	2.9237E-03	1.0599E-02

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
1.1752E-03	1.8007E-01	2.0352E-02	5.9646E-03	1.6378E-01	1.8008E-01	1.7822E-01

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	8.4100E-06	Ru-106	N/A	Cs-137	8.9700E-07	other α	N/A

Other Radionuclide Comments:
Other radionuclides scaled to Pu-238 per Mound documentation.

CH2MHILL

RADIOACTIVE WASTE INPUT FORM

SUMMARY INFORMATION

RST 04-25-05

SHIPPING CONTAINER ID #:	NON-WASTE RADIOACTIVE MATL.	WASTE TYPE:	CONTAINER TYPE:
SD 006566	☐	☐ LLW ☐ MIXED ☒ TRU	☑ DRUM ☐ BOX ☐ SEALAND ☐ RAIL ☐ OTHER ☐ NONE

PROFILE ID NO (S): ~~AMDM0000000~~ SRS TRU

WASTE DESCRIPTION/COMMENTS: PRS 438 Soil Filter # LE 1091

PROJECT	WASTE VOLUME (Cu M):	PACKAGE CODE:	TARE WT. (KG):	GROSS WT. (KG):	GROSS WT. (LBS.):	NET WT. (KG.):
UGL	0.22	101A	24	279	615	~~279 KG~~ 255 KGS 4/25/05

RADIONUCLIDE	CURIES	nCi/g
Am-241	5.64E-04	2.21
Pu-239	1.29E-01	505.9

☐ Radionuclide continuation page attached

SCALE NO.
20014A
WEIGH DATE
4 21 05

RQ	X
HM	
NO	

TID NO.	DATE
013636	4-21-05

HRCQ Yes ☐ No ~~☒~~

Container Closed Date 4/21/05 HP 7171

~~☒~~ Container DOT appropriate for RAD contents (WM Core Team Verified)

DRUM DATA:	DATE	HP NO.
Liner Lid RTV'd.	N/A	N/A
Drum Lid RTV'd.	N/A	N/A
Bolt Torque Minimum 25 ft-lb	4/21/05	7171
Ring End Gap < 1 Inch	4-21-05	7171
Ring Ends Do Not Touch	4-21-05	7171
Torque Wrench No.	DD217218	

TYPE A BOX DATA:	DATE	HP NO.
Bolt Torque		
Minimum ____ ft-lb		
per Op. 720, MD-10167	N/A	
Torque Wrench No.		

TRITIUM OFFGASSING CHECK

(Ref. MD-10167, Op. 601 and MD-80036, Op. 20015)

PASS ☐ FAIL ☐ N/A

DATE

HP NO.

WASTE CHARACTERIZATION AND PACKAGING

The waste described on this form has been generated, characterized, and packaged in accordance with the manuals/procedures listed.

Manual/Procedure(s): MD-10167

Package Custodian R.S. Tunning HP No. 5039 Date 04-25-05

(The Package Custodian is the individual accountable for maintaining control over the waste package described on the input form.)

WASTE COMPLIANCE/CERTIFICATION SECTION

THIS CONTAINER IS FROM AN ACCEPTABLE LOT. THE ABOVE DATA HAS BEEN REVIEWED AND FOUND ACCEPTABLE.

Gayle C. Shockey	4329	4-28-05
Waste Compliance/Certification Representative	HP No.	Date

* RSDS (Radiological Survey Data Sheet) for this container is generated at the time of shipment and then included in the shipping file.

ML-7042X (07-04) (PC generated)

ORIGINAL

RADIOACTIVE WASTE INPUT FORM

CONTAINER INSPECTION AND LOADING INFORMATION

WASTE CONTAINER PRE-USE INSPECTION AND PREPARATION

LINER	(S/N)	DRUM	(S/N)	BOX	(S/N)	OTHER	(S/N)
26 Gal Poly		30 Gal Metal		Metal		Rail Car	
50 Gal Metal		55 Gal Metal	SD006566	TRU White		Welded Box	
Other		Other		SeaLand		Other	
Accept for use (see criteria below)	Init./HP/Date		PES-7171 4-21-05 Init./HP/Date		Init./HP/Date		Init./HP/Date

Container acceptance criteria: Internally clean; Empty; No significant defects; Lid/closure OK.

Container Preparation: Yellow bag N/A Absorbent ✓ 60#

SOURCE BLDG./ROOM	WASTE LOADING LIST AND WASTE DESCRIPTION (PRINT - USE BLACK INK)	INITIALS	HP NO.	DATE
PRS-438	Soil (+60# clay type absorbent, total)	KCE	7084	4/21/05

☐ Loading List continuation page attached.

ISOCS Assay Summary Report

24-Apr-05

55 gallon drum: SD006566

Contents: Soil from PRS 438

Gross mass: **279** kg
Tare mass: 24 kg
Net mass: 255 kg

Detector: Canberra Germanium, Serial Number 4879

Spectrum file: SD006566 .CNF
ISOCS efficiency file name: SD006566 .CAL

Identified Radionuclide	Activity (microCi)	Activity Concentration (nanoCi/g)	Uncertainty	MDA (microCi)
Pu-238	1.29E+05	5.05E+02	38%	6.68E+03
Am-241	5.64E+02	2.21E+00	45%	1.34E+01

Comments affecting usability of data: None

Analyst: Timothy M. Dall
Timothy M. Dall

ATTACHMENT B
Radiological Characterization Report Evaluation

Item Description: SD006566 Project: UGL

Laboratory: In-situ gamma spectroscopy Reviewer: R. S. Tunning

RSDS No.: N/A Lab ID: SD006566

A. Data Verification Review

- ✓ Sample identification
- ✓ Analytical methods identification
- ✓ Detection limits specified
- ✓ Estimates of result uncertainty
- ✓ Results units specified
- ✓ Correct samples analyzed for the correct analysis
- ✓ Summary report signed by analyst
- ✓ Data confidence statement and determination of usability
- ✓ Analytical results consistent with process knowledge and/or previous measurements

B. Data Quality Review

- _____ Analytical results based upon correctly applied algorithms
- _____ Appropriate analytical method was used for expected contaminates
- _____ Spectroscopy data consistent with assigned radionuclides
- _____ Sample is representative of waste being assayed

C. Full Data Validation

- _____ Instrument calibration frequencies and data
- _____ Instrument run logs
- _____ Sample preparation logs
- _____ Standard preparation logs
- _____ Quality Control
- _____ Sample analysis calculations

D. Comments, Noted Exceptions or Data Qualifications

_____

_____

_____

Reviewer Signature: R.S. Tunning Date: 04-25-05

Reviewer Instruction: Place a check mark next to each item that satisfactorily meets the stated requirement. Report any exceptions or data qualifications in section D.

Radionuclide Compliance Verification Checklist
(to be completed for each waste package)

A. General Information

1. Waste Stream ID#: SRS TRU

2. Container ID#: SD006566

3. Waste Coordinator: R. S. Tunning HP#: 5039 Date: 04/25/2005

B. Radiological Characterization Methodology (Circle appropriate methods)

Historical Data	Process Knowledge	Wipe-to-Curie
Alpha Spectroscopy	Direct Measurement	Gamma Spectroscopy
In-Situ Gamma Spec	Liquid Scintillation Count	Gas Proportional Count
Scaling	Calorimetry	Other Method*

Identify other method _____

Summary of Historical Data available: Process history from MD-22153, Mound Site Radionuclides by Location

Process Knowledge: The waste in this drum consists of soil, with small amounts of rock and concrete from PRS 438.

Survey Data: (RSDS#, Characterization Plan #): ISOCS Assay Summary Report for SD006566 dated 04/24/05.

Supporting Data: See attached ISOCS report.

Data Adequacy and Usability:

1. If the radiological characterization for this container is based upon laboratory analysis, has the data been reviewed and found acceptable per Operation 429, MD-10167?
   ☒ Yes ☐ No If no, explain _____

C. Onsite Storage

Compliance with this section requires comparison of the package activity to package activity limitations defined in the onsite storage authorization basis documents and to ensure that the addition of this package does not cause the receiving facility to exceed those limitations defined in their authorization basis documents.

1. Does the package exceed the individual package limit per radionuclide identified in the receiving facility's authorization basis document? ☐ Yes ☒ No
   If yes, list _____

2. Does the addition of the package cause the receiving facility to exceed the sum of ratio limit as defined in their authorization basis document? ☐ Yes ☒ No
   If yes, list _____

D. Off-Site Specific Limitations

Compliance with this section requires comparison of the package characterization data to the respective waste stream profile and off-site waste acceptance criteria.

1. Do any radionuclides exist in the package that were not specified on the waste profile? ☐ Yes ☒ No
   If yes, list _____

2. Do any of the radionuclides in the waste package exceed their respective activity range specified on the waste profile? ☐ Yes ☒ No
   If yes, list _____

3. Does the waste activity concentration exceed TRU/CLASS C limits?
   ☒ Yes ☐ No
   If yes, notify the appropriate person.

4. Does the waste exceed the fissile/fissionable isotopic range or enrichment level specified on the waste profile? ☐ Yes ☒ No

E. Department of Transportation Limitations

1. Do any of the radionuclides in the waste package exceed their respective A_2 value specified in 49 CFR 173.435? ☒ Yes ☐ No
   If yes, list Pu-238

F. Signatures

To the best of my knowledge, the information in this document and attachment(s) is true and accurate.

Waste Coordinator: R.S. Turner HP#: 5039 Date: 04/25/2005

Peer Reviewer: [signature] HP#: 4242 Date: 04/25/05

ID [redacted] Bldg: T Room: TUNNEL Project: ER/WM

Waste Type: TRU Material Desc: PRS 438 soil

Container

Code: 101A 55 GAL STEEL DRUM OPEN HEAD W/O/LINER External Volume: 0.2265 cubic meters

DECAR Outstanding: TID1: 13636 TID2: TID3: TID4:

Net Weight: 255 Gross Weight: 279 Units: KILOGRAM

Last Edit
By: tunnrs
Date: 4/25/2005

Fill Start: ☑ 4/21/2005 Closure: ☑ 4/21/2005

Rad(Y/N/U): Y RCRA(Y/N/U): N TSCA(Y/N/U): N RQ: N

Package Custodian: TUNNRS TUNNING,STEVE

Comments: Drum has filter vent #LE 1091

Isotope Distribution for Container SD006566

Isotope Distribution									
Isotope	Activity	Activity Units	Conc.	Conc. Units	Conc. Error	Char. Method	Report Number	Report Date	A2 Value
AM-241	564	uCi	2.21	nCi/g	0	NDA		4/25/2005	0
PU-238	129	mCi	505.9	nCi/g	0	NDA		4/25/2005	0

Checking

Mound Container: MDL0506566

Radionuclide	Ci	Measured, Grams	Uncertainty, %	Uncertainty, grams	Effective Grams
PU238	1.29E-01	7.46E-03	38	2.83E-03	**1.03E-02**
AM241	5.64E-04	1.63E-04	45	7.31E-05	2.36E-04

Heat Source Plutonium, 30-Year Decay:

Radionuclide	Specific Activity, Ci/g	Ci Fraction	30-Yr Wgt Fraction	Grams	FGE Conversion	FGE	PEC Conversion	PEC	Watts/gram Conversion	Watts
PU238	1.73E+01	9.74E-01	6.34E-01	1.03E-02	1.13E-01	1.16E-03	1.10E+00	1.62E-01	5.73E-01	5.90E-03
PU239	6.29E-02	8.80E-04	1.57E-01	2.56E-03	1.00E+00	2.56E-03	1.00E+00	1.61E-04	1.95E-03	4.99E-06
PU240	2.30E-01	6.34E-04	3.10E-02	5.04E-04	2.25E-02	1.13E-05	1.00E+00	1.16E-04	7.16E-03	3.61E-06
PU241	1.04E+02	2.18E-02	2.36E-03	3.83E-05	2.25E+00	8.61E-05	5.10E+01	7.81E-05	3.31E-03	1.27E-07
PU242	3.97E-03	7.08E-07	2.01E-03	3.26E-05	7.50E-03	2.45E-07	1.10E+00	1.18E-07	1.17E-04	3.81E-09
AM241	3.47E+00	2.29E-03	7.42E-03	2.36E-04	1.87E-02	4.41E-06	1.00E+00	8.18E-04	1.16E-01	2.73E-05
NP237	7.13E-04	1.39E-08	2.19E-04	3.56E-06	1.50E-02	5.34E-08	1.00E+00	2.54E-09	2.09E-05	7.43E-11
U234	6.32E-03	9.31E-05	1.66E-01	2.69E-03					1.82E-04	4.90E-07
		1.00E+00	1.00E+00	1.64E-02		3.82E-03		1.63E-01		5.93E-03

DIVIDER PAGE

Transuranic Waste Container Characterization Form

Generator Data			
Date 1/17/2007	Generator Facility/Location Site D&D Facility/P-AREA	Generator Organization CLOSURE BUSINESS UNIT	Form Completed By NITIN BHATT

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

C. A. Bishop, Jr.	(803) 952-4306	707-F
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type
(Check One) ☑ TRU ☐ Mixed TRU
(Check One) ☐ Routine Waste ☑ Special Generation

☐ CERCLA ☑ Beryllium
39.52 Beryllium Quantity
G Units

☐ Waste Incidental To Reprocessing (WIR) Evaluation
Document No.

Waste Name
M044 Neutron source (Pu 6.41 g. / Be 39.52 g)

Process Generating Waste
Used in building 777-10A

Container ID Number
SDD076308

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☐ 55-gal Drum without Liner ☑ Standard Waste Box ☐ Other

Deviation Request Number: SWMD-RFD-2007-0002

Shielding Used ☐ No ☑ Yes (Specify) The source is incapsulated in a special form capsule which is surrounded by poly beads in a SWB. Dose rate 300 mR/hr @ contact SFC.

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
1600.00	640.00		1/17/2007	0

Vent Identification Numbers (Both External and Interior Vents)
GD-2372, GD-2381, E199 & E214

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
5.5	4.5
Smearable Contamination (dpm/100 cm2) ☑ Meets requirements of <20 alpha and <200 beta/gamma	Neutron Dose (mrem/hr) 3 distance (cm) 5

Special Generation Comments:
This neutron source (Pu/Be) was manufactured at the Mound facility circa 1968. The source is placed in a special form container surrounded by poly beads and is located in a standard waste box.

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
This neutron source was received in 777-10A in 1968 and was used in support of research work done for SRS. It contains Beryllium 39.52 g. and Plutonium 6.41 g. The source is encapsulated in a special form capsule which is surrounded by poly beads in SWB.

Container ID Number SDD076308

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys	Stainless steel capsule	0.83
Aluminum based metals/alloys	Aluminum sleeve	0.02
Other metals	Beryllium source	0.01
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)		0.00
Organic matrix	Poly beads	59.14
Inorganic matrix		0.00
Soils		0.00
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	Standard Waste Box	40.00
Plastic packaging materials		0.00
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		

Container ID Number SDD076308

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)

Refer to page 9 of document number FDD-ENG-2001-00153, Rev. 0

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	1.1000E+00	N/A	1.1000E+00
239Pu	4.4000E+00	N/A	4.4000E+00
240Pu	7.3000E-01	N/A	7.3000E-01
241Pu	9.4000E-02	N/A	9.4000E-02
242Pu	7.1000E-02	N/A	7.1000E-02
241Am	N/A	N/A	N/A
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	6.3950E+00	0.0000E+00	6.3950E+00

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
4.7528E+00	1.9475E+01	2.1989E+00	6.4443E-01	1.7937E+01	2.9251E+01	1.9470E+01

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	N/A	Ru-106	N/A	Cs-137	N/A	other α	N/A

Other Radionuclide Comments:

DIVIDER PAGE

5/3 (12)

Based on OSR 29-90#
(Rev 5-22-2002)

Transuranic Waste Container Characterization Form

Form contains calculations which are documented in G-CLC-E-00063

Generator Data

Date	Generator Facility/Location	Generator Organization	Form Completed By
5/3/2005	Mound Site/Location 1	Mound	GLENN SIRY

Certification Statement

I certify to the best of my knowledge that the data submitted on this form accurately describes the waste and that the waste conforms to all waste acceptance criteria in Manual 1S Procedure 3.06.

Glenn Siry	(803) 557-6383	705-3C
Generator Certification Official (Printed Name)	Telephone No.	Site Address

Signature

Waste Material Description

Waste Type (Check One): ☑ TRU ☐ Mixed TRU

(Check One): ☐ Routine Waste ☑ Special Generation

☐ Waste Incidental To Reprocessing (WIR) Evaluation

Document No.

Waste Name: Mound Remediation Waste

Process Generating Waste: Remediation work on the Mound site Project PRS438

Container ID Number: MDL0506692

Packaging Description

Type of Container (Check One)

☐ 55-gal Drum with Liner ☑ 55-gal Drum without Liner ☐ Standard Waste Box ☐ Other

Deviation Request Number:

Shielding Used: ☑ No ☐ Yes (Specify)

Gross Weight (lbs)	Tare Weight (lbs)	Accumulation Start Date (Mixed Waste Only)	Date Container Closed	Layers of Confinement
615.00	59.08		4/4/2005	1

Vent Identification Numbers (Both External and Interior Vents)
LE-819, NucFil013

Radiation rate @ 5 cm (mrem/hr)	Radiation rate @ 30 cm (mrem/hr)
N/D	N/D
Smearable Contamination (dpm/100 cm2)	Neutron Dose (mrem/hr)
☑ Meets requirements of <20 alpha and <200 beta/gamma	N/D distance (cm) N/A

Special Generation Comments:
Mound Remediation, newly generated waste.

Container Type Deviation Comments:

Limit Check Failure Deviation Number:

General Comments:
CERCLA-Newly generated soils from project PRS438. This is a homogeneous waste stream, deviation number SWMD-RFD-2005-0017. This is part of the tenth Mound shipment. Mound drum number SD006692. Data Evaluation Summary R-SW Soils Sampling May-June 2002, dated January 21, 2005, provides evidence of no VOCs in the soils.

Container ID Number MDL0506692

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys		0.00
Aluminum based metals/alloys		0.00
Other metals		0.00
Other inorganic materials		0.00
Cellulosics		0.00
Rubber		0.00
Plastics (waste material)		0.00
Organic matrix	Clay Absorbent	9.80
Inorganic matrix		0.00
Soils	Remediation soils	81.50
Absorbed liquids		0.00
Filters		0.00
Steel packaging materials	55 gallon	8.50
Plastic packaging materials	Plastic Bag	0.20
Total		100.00
Void space		5.00

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)		EPA Hazardous Waste Code	Material Description	Quantity (Kg or ppm)	
F001	Halogenated solvents used in degreasing-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
				D009	Mercury		
F002	Halogenated solvents-tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorfluoromethane			D010	Selenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethane		
F003	Non-halogenated solvents-xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,1-dichloroethylene		
				D030	2,4-dinitrotoluene		
				D032	Hexachlorobenzene		
				D034	Hexachloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents-cresols, cresylic acid, nitrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents-toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		
				P015	Beryllium powder		

Container ID Number MDL0506692

Transuranic Waste Container Characterization Form

Radiological Properties

Method of Determination (Specify)

ISOCS and Sampling

Radionuclide	Measured Isotope Quantity (gms)	Measurement Uncertainty (gms)	Effective Total
233U	N/A	N/A	N/A
234U	N/A	N/A	N/A
235U	N/A	N/A	N/A
236U	N/A	N/A	N/A
238U	N/A	N/A	N/A
237Np	N/A	N/A	N/A
238Pu	2.0264E-03	7.7000E-04	2.7964E-03
239Pu	N/A	N/A	N/A
240Pu	N/A	N/A	N/A
241Pu	N/A	N/A	N/A
242Pu	N/A	N/A	N/A
241Am	1.6060E-05	6.9000E-06	2.2960E-05
242Am [metastable]	N/A	N/A	N/A
243Am	N/A	N/A	N/A
242Cm	N/A	N/A	N/A
243Cm	N/A	N/A	N/A
244Cm	N/A	N/A	N/A
245Cm	N/A	N/A	N/A
246Cm	N/A	N/A	N/A
247Cm	N/A	N/A	N/A
247Bk	N/A	N/A	N/A
249Cf	N/A	N/A	N/A
250Cf	N/A	N/A	N/A
251Cf	N/A	N/A	N/A
252Cf	N/A	N/A	N/A
Total	2.0425E-03	7.7690E-04	2.8194E-03

Radionuclide Comments:

Pu-239 Fissile Gram Equivalent (FGE)	TRU Alpha Activity(Ci)	Heat Load		Pu-239 Equivalent Curies (PEC-239)	Activity (Ci)	Pu-239 Dose Equivalent Curies(DEC)
		BTU/hr	Watts			
3.1642E-04	4.8457E-02	5.4766E-03	1.6050E-03	4.4059E-02	4.8460E-02	4.7968E-02

Other Radionuclides

Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies	Radionuclide	Curies
H-3	N/A	Se-79	N/A	Sn-126	N/A	Ce-144	N/A
C-14	N/A	Sr-90	N/A	I-129	N/A	Pm-147	N/A
Ni-59	N/A	Tc-99	N/A	Ba-137m	N/A	other β/γ	N/A
Co-60	2.2690E-06	Ru-106	N/A	Cs-137	2.4210E-07	other α	N/A

Other Radionuclide Comments:

Other Radionuclides scaled to Pu-238 per Mound documentation.

CH2MHILL

RADIOACTIVE WASTE INPUT FORM

SUMMARY INFORMATION

SHIPPING CONTAINER ID #:	☐ NON-WASTE RADIOACTIVE MATL.	WASTE TYPE: ☐ LLW ☐ MIXED ☒ TRU	CONTAINER TYPE: ☒ DRUM ☐ BOX ☐ SEALAND ☐ RAIL ☐ OTHER ☐ NONE
SD006692	WASTE DESCRIPTION/COMMENTS: PRS 438 soil (Filter vent # Le-819)		
PROFILE ID NO.(S): SRS TRU			

PROJECT	WASTE VOLUME (Cu.M):	PACKAGE CODE:	TARE WT. (KG):	GROSS WT. (KG):	GROSS WT. (LBS.):	NET WT. (KG.):
UGL	0.22	101A	24	279	615	255

RADIONUCLIDE	CURIES	nCi/g
^{241}Am	5.53E-05	0.217
^{238}Pu	3.48E-02	136.7

SCALE NO.
20014A
WEIGH DATE
4/6/05

RQ	X
HM	
NO	

TID NO.	DATE
013327	4/5/05

HRCQ Yes ☐ No ☒

Container Closed Date 4/4/05 HP 7160

☒ Container DOT appropriate for RAD contents (WM Core Team Verified)

☐ Radionuclide continuation page attached

DRUM DATA:	DATE	HP NO.
Liner Lid RTV'd.	N/A	N/A
Drum Lid RTV'd.	N/A	N/A
Bolt Torque Minimum 25 ft-lb	4/5/05	7160
Ring End Gap < 1 Inch		
Ring Ends Do Not Touch		
Torque Wrench No.	DDZ17218	

TYPE A BOX DATA:	DATE	HP NO.
Bolt Torque		
Minimum ft-lb per Op. 720, MD-10167	N/A	
Torque Wrench No.		

TRITIUM OFFGASSING CHECK

(Ref. MD-10167, Op. 601 and MD-80016, Op. 20015)

PASS ☐ FAIL ☐

DATE

HP NO.

N/A

WASTE CHARACTERIZATION AND PACKAGING

The waste described on this form has been generated, characterized, and packaged in accordance with the manuals/procedures listed.

Manual/Procedure(s): MD-10167

Package Custodian R.S. Tunning HP No. 5039 Date 04-18-05

(The Package Custodian is the individual accountable for maintaining control over the waste package described on the input form.)

WASTE COMPLIANCE/CERTIFICATION SECTION

THIS CONTAINER IS FROM AN ACCEPTABLE LOT. THE ABOVE DATA HAS BEEN REVIEWED AND FOUND ACCEPTABLE.

Gayle C. Shockley	4329	4-18-05
Waste Compliance/Certification Representative	HP No.	Date

* RSDS (Radiological Survey Data Sheet) for this container is generated at the time of shipment and then included in the shipping file.

ML-7042X (07-04) (PC generated)

ORIGINAL

RADIOACTIVE WASTE INPUT FORM

CONTAINER INSPECTION AND LOADING INFORMATION

WASTE CONTAINER PRE-USE INSPECTION AND PREPARATION

LINER	(S/N)	DRUM	(S/N)	BOX	(S/N)	OTHER	(S/N)
26 Gal Poly		30 Gal Metal		Metal		Rail Car	
50 Gal Metal		55 Gal Metal	SD006692	TRU White		Welded Box	
Other		Other		SeaLand		Other	
Accept for use (see criteria below)	Init./HP/Date		RL7170 4-21-05 Init./HP/Date		Init./HP/Date		Init./HP/Date

Container acceptance criteria: Internally clean; Empty; No significant defects; Lid/closure OK.

Container Preparation: Yellow bag NA Absorbent ✓

SOURCE BLDG./ROOM	WASTE LOADING LIST AND WASTE DESCRIPTION (PRINT - USE BLACK INK)	INITIALS	HP NO.	DATE
PRS 438	Soil (+ 60 # clay type absorbent, total)	~~RCE~~	7084	~~4/4/05~~
		BR	7160	4/4/05

04-13-05

☐ Loading List continuation page attached.

ISOCS Assay Summary Report

16-Apr-05

55 gallon drum: SD006692

Contents: Soil from PRS 438

Gross mass: 279 kg
Tare mass: 24 kg
Net mass: 255 kg

Detector: Canberra Germanium, Serial Number 4879

Spectrum file: SD006692 .CNF
ISOCS efficiency file: SD006692 .CAL

Identified Radionuclide	Activity (microCi)	Activity Concentration (nanoCi/g)	Uncertainty	MDA (microCi)
Pu-238	3.48E+04	1.37E+02	38%	1.14E+04
Am-241	5.53E+01	2.17E-01	43%	1.83E+01

Comments affecting usability of data: None

Analyst: Christopher J. Miles

ATTACHMENT B
Radiological Characterization Report Evaluation

Item Description: SD 006692 Project: UGL

Laboratory: In-situ gamma spectroscopy Reviewer: R. S. Tunning

RSDS No.: N/A Lab ID: SD006692

A. Data Verification Review

- ✓ Sample identification
- ✓ Analytical methods identification
- ✓ Detection limits specified
- ✓ Estimates of result uncertainty
- ✓ Results units specified
- ✓ Correct samples analyzed for the correct analysis
- ✓ Summary report signed by analyst
- ✓ Data confidence statement and determination of usability
- ✓ Analytical results consistent with process knowledge and/or previous measurements

B. Data Quality Review

- _____ Analytical results based upon correctly applied algorithms
- _____ Appropriate analytical method was used for expected contaminates
- _____ Spectroscopy data consistent with assigned radionuclides
- _____ Sample is representative of waste being assayed

C. Full Data Validation

- _____ Instrument calibration frequencies and data
- _____ Instrument run logs
- _____ Sample preparation logs
- _____ Standard preparation logs
- _____ Quality Control
- _____ Sample analysis calculations

D. Comments, Noted Exceptions or Data Qualifications

Reviewer Signature: R.S. Tunning Date: 041805

Reviewer Instruction: Place a check mark next to each item that satisfactorily meets the stated requirement. Report any exceptions or data qualifications in section D.

Radionuclide Compliance Verification Checklist
(to be completed for each waste package)

A. General Information

1. Waste Stream ID#: SRS TRU

2. Container ID#: SD006692

3. Waste Coordinator: R. S. Tunning HP#: 5039 Date: 04/18/2005

B. Radiological Characterization Methodology (Circle appropriate methods)

Historical Data	Process Knowledge	Wipe-to-Curie
Alpha Spectroscopy	Direct Measurement	Gamma Spectroscopy
In-Situ Gamma Spec	Liquid Scintillation Count	Gas Proportional Count
Scaling	Calorimetry	Other Method*

Identify other method _____

Summary of Historical Data available: Process history from MD-22153, Mound Site Radionuclides by Location

Process Knowledge: The waste in this drum consists of soil, rock, and concrete from PRS 438.

Survey Data: (RSDS#, Characterization Plan #): ISOCS Assay Summary Report for SD006692 dated 04/16/05.

Supporting Data: See attached ISOCS report.

Data Adequacy and Usability:

1. If the radiological characterization for this container is based upon laboratory analysis, has the data been reviewed and found acceptable per Operation 429, MD-10167?
   ☒ Yes ☐ No If no, explain _____

C. Onsite Storage

Compliance with this section requires comparison of the package activity to package activity limitations defined in the onsite storage authorization basis documents and to ensure that the addition of this package does not cause the receiving facility to exceed those limitations defined in their authorization basis documents.

1. Does the package exceed the individual package limit per radionuclide identified in the receiving facility's authorization basis document? ☐ Yes ☒ No
   If yes, list _____

2. Does the addition of the package cause the receiving facility to exceed the sum of ratio limit as defined in their authorization basis document? ☐ Yes ☒ No
   If yes, list _____

D. Off-Site Specific Limitations

Compliance with this section requires comparison of the package characterization data to the respective waste stream profile and off-site waste acceptance criteria.

1. Do any radionuclides exist in the package that were not specified on the waste profile? ☐ Yes ☒ No
   If yes, list _____

2. Do any of the radionuclides in the waste package exceed their respective activity range specified on the waste profile? ☐ Yes ☒ No
   If yes, list _____

3. Does the waste activity concentration exceed TRU/CLASS C limits?
   ☒ Yes ☐ No
   If yes, notify the appropriate person.

4. Does the waste exceed the fissile/fissionable isotopic range or enrichment level specified on the waste profile? ☐ Yes ☒ No

E. Department of Transportation Limitations

1. Do any of the radionuclides in the waste package exceed their respective A_2 value specified in 49 CFR 173.435? ☒ Yes ☐ No
   If yes, list Pu-238

F. Signatures

To the best of my knowledge, the information in this document and attachment(s) is true and accurate.

Waste Coordinator: R.S. Turning HP#: 5039 Date: 04/18/2005

Peer Reviewer: D.M. Kay HP#: 424 Date: 04/18/05

ID: SC060692 Bldg: T Room: TUNNEL Project: ER/WM

Waste Type: TRU Material Desc: PRS 438 soil

Container

Code: 101A 55 GAL STEEL DRUM OPEN HEAD W/O LINER External Volume: 0.2265 cubic meters

DECAR Outstanding: TID1: 13327 TID2: TID3: TID4:

Net Weight: 255 Gross Weight: 279 Units: KILOGRAM

Last Edit
By: tunnrs
Date: 4/13/2005

Fill Start: ☑ 4/4/2005 Closure: ☑ 4/4/2005

Rad(Y/N/U): Y RCRA(Y/N/U): N TSCA(Y/N/U): N RQ: N

Package Custodian: TUNNRS TUNNING,STEVE

Comments: Drum has filter vent #LE-819

@IKII4

Isotope Distribution for Container SD006692

Isotope Distribution									
Isotope	Activity	Activity Units	Conc.	Conc. Units	Conc. Error	Char. Method	Report Number	Report Date	A2 Value
AM-241	55.3	uCi	0.217	nCi/g	0	NDA		4/18/2005	0
PU-238	34.8	mCi	136.7	nCi/g	0	NDA		4/18/2005	0

Checking

Mound Container: MDL0506692

Radionuclide	Ci	Measured, Grams	Uncertainty, %	Uncertainty, grams	Effective Grams
PU238	3.48E-02	2.01E-03	38	7.64E-04	**2.78E-03**
AM241	5.53E-05	1.59E-05	43	6.85E-06	2.28E-05

Heat Source Plutonium, 30-Year Decay:

Radionuclide	Specific Activity, Ci/g	Ci Fraction	30-Yr Wgt Fraction	Grams	FGE Conversion	FGE	PEC Conversion	PEC	Watts/gram Conversion	Watts
PU238	1.73E+01	9.74E-01	6.34E-01	2.78E-03	1.13E-01	3.14E-04	1.10E+00	4.37E-02	5.73E-01	1.59E-03
PU239	6.29E-02	8.80E-04	1.57E-01	6.90E-04	1.00E+00	6.90E-04	1.00E+00	4.34E-05	1.95E-03	1.35E-06
PU240	2.30E-01	6.34E-04	3.10E-02	1.36E-04	2.25E-02	3.06E-06	1.00E+00	3.13E-05	7.16E-03	9.73E-07
PU241	1.04E+02	2.18E-02	2.36E-03	1.03E-05	2.25E+00	2.32E-05	5.10E+01	2.11E-05	3.31E-03	3.42E-08
PU242	3.97E-03	7.08E-07	2.01E-03	8.80E-06	7.50E-03	6.60E-08	1.10E+00	3.17E-08	1.17E-04	1.03E-09
AM241	3.47E+00	2.29E-03	7.42E-03	2.28E-05	1.87E-02	4.26E-07	1.00E+00	7.91E-05	1.16E-01	2.64E-06
NP237	7.13E-04	1.39E-08	2.19E-04	9.60E-07	1.50E-02	1.44E-08	1.00E+00	6.84E-10	2.09E-05	2.01E-11
U234	6.32E-03	9.31E-05	1.66E-01	7.26E-04					1.82E-04	1.32E-07
		1.00E+00	1.00E+00	4.37E-03		1.03E-03		4.38E-02		1.60E-03

FOR INFORMATION ONLY

MDL0506692

Transuranic Waste Container Characterization Form

Waste Components		
Waste Material Category	**Specify all materials and number and type of internal containers.**	**Weight %**
Iron based metals/alloys		0
Aluminum based metals/alloys		0
Other metals		0
Other inorganic materials		0
Cellulosics		0
Rubber		0
Plastics (waste material)		0
Organic Matrix	Clay Absorbent	9.8
Inorganic Matrix		0
Soils	Remediation soils	81.5
Adsorbed Liquids		0
Filters		0
Steel packaging material	55 gallon	8.5
Plastic packaging materials	Plastic Bag	0.2
	Total (100%)	100
	Void Space (Volume %)	5

RCRA Hazardous Constituents

EPA Hazardous Waste Code	Material Desciption	Quantity (kg or ppm)		EPA Hazardous Waste Code	Material Desciption	Quantity (kg or ppm)	
F001	Halogenated solvents used in degreasing -- tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, chloro-fluorocarbons			D004	Arsenic		
				D005	Barium		
				D006	Cadmium		
				D007	Chromium		
				D008	Lead		
F002	Halogenated solvents -- tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,2-trifluoroethane, 1,1,2-trifluororoethane, 1,1,2-trichlorbenzene, 1,2,2-trifluoroethane, orthodichlorobenzene, trichlorfluoromethane			D009	Mercury		
				D010	Slenium		
				D011	Silver		
				D018	Benzene		
				D019	Carbon tetrachloride		
				D021	Chlorobenzene		
				D022	Chloroform		
				D026	Cresol		
				D027	1,4-dichlorobenzene		
				D028	1,2-dichloroethylene		
F003	Non-halogenated solvents -- xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, methanol			D029	1,2-dichloroethylene		
				D030	2,4-dinitrotoulene		
				D032	Hexachlorobenzene		
				D034	Hexahloroethane		
				D035	Methyl ethyl ketone		
F004	Non-halogenated solvents -- cresols, cresylic acid, notrobenzene			D036	Nitrobenzene		
				D037	Pentachlorophenol		
				D038	Pyridine		
F005	Non-halogenated solvents -- toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, 2-nitropropane			D039	Tetrachloroethylene		
				D040	Trichloroethylene		
				D043	Vinyl chloride		
				P015	Beryllium powder		

FOR INFORMATION ONLY

DIVIDER PAGE

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 500174 | DATE SHIPPED: 05 08 75 | SHIPPED FROM BLDG.: 321 M

VARIETY CONT (1): 41 | TOTAL QUANTITY (1): 1160 | ISOTOPIC QUANTITY (1): 1160 | UNIT ONE: G | VARIETY CONT (2): | QUANTITY (2): | UNIT TWO: | TYPE CODE: 2

CONTAINER CODE: C 7 | COMPACTED VOLUME: | DESCRIPTION: MK 41 PU WASTE OIL

HEALTH PHYSICS SURVEY DATA	RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY	T & T
BODY RATE TO (UNLOAD)	BODY RATE IN CAR	CUSTODIAN AUTHORIZATION FOR BURIAL	TRANSPORTED BY
SURVEYED BY		DATE AUTHORIZED 5/9/75	VEHICLE NO. 2347

REMARKS
One 55 gal drum zinc coated liner
CURIE CONTENT — 27 ^{238}Pu
passed thru
Operational Loss - Uneconomical to Recover

N 05.26
E 26.95

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 500174 | DATE BURIED: 05 08 75 | X COORDINATE: XXXXXX

BURIAL LOCATION Y COORDINATE: XXXXX | BURL CODE: 4 | CONTAINER NUMBER: 142 | PET NUMBER PREFIX: | PET NUMBER SERIAL NUMBER: | REMARKS AND DESCRIPTION:

DESCRIPTION, CONTD:

DIVIDER

PAGE

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 108180 | DATE SHIPPED: 08 21 79 | SHIPPED FROM BLDG: 643 AREA: G

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
46	0100	0100	G				7

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		SOIL AND GRAVEL

HEALTH PHYSICS SURVEY DATA

RADIATION INTENSITY @ 10 ft: <1 mrem/hr

BODY RATE TO (UN)LOAD: 3 mrem/hr

BODY RATE IN CAB:

CURIES ESTIMATED BY:

CUSTODIAN (AUTHORIZATION FOR BURIAL): S. C. Davis

SURVEYED BY: J. F. Kirkland

DATE AUTHORIZED: 8/28/79

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

S. C. Davis — AUTHORIZED SIGNATURE | 8/28/79 — DATE | 4234 — TELEPHONE NO.

T & T

TRANSPORTED BY:

VEHICLE NO.:

1. Authorized signatures & Health Physics Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
BLUE – SHIPPER RETAINS

REMARKS:

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 108180 | DATE BURIED: 08 28 79 | BURIAL LOCATION X COORDINATE: N 05.41

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E 26.75	6				

DESCRIPTION, CONTD:

DIVIDER PAGE

Stores: 26-10785.00 (ACCOUNTABILITY)

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 0 1 | FILE SEQUENCE NO.: 607486 | DATE SHIPPED: 12/15/95 | SHIPPED FROM BLDG: 643 | AREA: G

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
46	0.052	0.026	G	FP	0.02	C	7

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
C	7		BAG FILTERS

HEALTH PROTECTION SURVEY MAX RADIATION INTENSITY @ 5 CM: 1MR/hr

RADIATION INTENSITY @ 10 FT.: 1MR/hr

CURIES ESTIMATED BY: Shawn R. Rudd

BODY RATE TO (UN)LOAD: 1MR/hr

BODY RATE IN CAB: 1MR/hr

CUSTODIAN (AUTHORIZATION FOR BURIAL): Shawn R. Rudd

THIS WASTE PACKAGE HAS BEEN SURVEYED IN ACCORDANCE WITH SOMANUAL GUIDELINES AND MEETS RADIATION AND CONTAMINATION LIMITS FOR TRANSPORTATION. (SIGNATURE & DATE): Michael Williams

DATE AUTHORIZED: 12/15/95

T & T

TRANSPORTED BY: SWM

VEHICLE NO.: SRO 7389

1. Authorized signatures & Health Protection Survey Data must be filled in prior to movement of the waste.
2. Each container must be identified as to contents and radioactivity.

LOW OR INTERMEDIATE LEVEL WASTE

I certify that this waste is packaged in accordance with guidelines set forth in 1S Manual and it contains no free liquid, oil, lead, cadmium, mercury, PCB's, or listed RCRA hazardous materials.

AUTHORIZED SIGNATURE | DATE | TELEPHONE NO.

Approved by:

SENIOR SUPERVISOR (OR HIGHER) | DATE | TELEPHONE NO.

TRU WASTE
(Above Ground Storage)

I certify that this waste is packaged in accordance with guidelines set forth in 1S Manual and it contains no free liquids, and RCRA hazardous materials are identified on OSR 7-872. (=227)

Shawn R. Rudd 12/15/95

AUTHORIZED SIGNATURE | DATE | TELEPHONE NO.

Approved by: Brad Kirgate 12/15/95 2-4500

SENIOR SUPERVISOR (OR HIGHER) | DATE | TELEPHONE NO.

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY
GREEN – SHIPPER TO ACCOUNTABILITY
YELLOW – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS

WASTE BURIAL DESCRIPTION
(SWDF COMPLETES)

CARD CODE: 0 2 | FILE SEQUENCE NO.: 607486 | DATE BURIED: 12/15/95 | BURIAL LOCATION X COORDINATE: N22,028

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E25,990	4	824			

DESCRIPTION, CONTD: TQIE 0.053 TQIE 0.026

TRU WASTE DATA PACKAGE

(See Instructions on Back of Form)

OSR 7-872 (Rev. 5-90)

WASTE PACKAGING (WASTE GENERATOR COMPLETES)

PACKAGE ID NO. (FSN #1)	PACKAGE ID NO. (FSN #2)	PACKAGE ID NO. (FSN #3)	DRUM VENT SERIAL NUMBER	LINER VENT SERIAL NUMBER
SR 607486	SR 607487	SR	3135	N/A

LINER PACKED BY (LAST NAME, FIRST INITIAL) (PRINT)	SSN	LINER PACKED BY (LAST NAME, FIRST INITIAL) (PRINT)	SSN	CONTAINER CODE
OAKS, David	[redacted]	Decker, Frank	[redacted]	90.1

BLDG. NUMBER	FACILITY	DATE DRUM CLOSED	CONTENT CODE	RADIONUCLIDE VARIETY CODE	QUANTITY #1	UNITS #1	RADIONUCLIDE VARIETY CODE	QUANTITY #2	UNITS #2	RADIONUCLIDE VARIETY CODE
643	E	12/15/95	004	501	1.44	G	802	0.19	G	946

QUANTITY #3	UNITS #3	POUND Y/N	ABSORBENT ADDED BY 3:1 RATIO Y/N	PARTICLES ≤ 10μ Y/N	QUANTITY LB	PARTICLES ≤ 200μ Y/N	QUANTITY LB	PYROPHORICS Y/N	QUANTITY LB	EXP/COMP GASES Y/N	HAZ WASTE Y/N	HAZ MATL. CODE #1	HAZ MATL. QUANTITY #1
0.052	G			N		N		N		N	Y	D009	25.61

UNITS #1	HAZ MATL. CODE #2	HAZ MATL. QUANTITY #2	UNITS #2	HAZ MATL. CODE #3	HAZ MATL. QUANTITY #3	UNITS #3	WT. % ORGANIC	VOL % ORGANIC
G								

WASTE DESCRIPTION: BAG FILTERS PKG IN LEAD-LINED DRUM

WASTE PACKAGING (WASTE GENERATOR COMPLETES)

This waste is packaged in accordance with the WIPP Waste Acceptance Criteria and, based on the above data, is verified to be:

CERTIFIABLE	NON-CERTIFIABLE	REASON IF NON CERTIFIABLE (CODE)
	✓	004

AUTHORIZED SIGNATURE: P.Wilson for Shawn Rudd per telecon on 12/15/95 (FAX)

SSN: [redacted]

DATE: 12/15/95

HEALTH PROTECTION SURVEY DATA

SURFACE DOSE RATE mR/HR	NEUTRON DOSE RATE, mrem/hr	BETA GAMMA SURFACE CONTAMINATION dpm/100 cm²	ALPHA SURFACE CONTAMINATION dpm/100 cm²	READINGS TAKEN BY - LAST NAME FIRST INITIAL (PRINT)	SSN
1	ND	ND	ND	Williams A.S.	[redacted]

WASTE VERIFICATION (WASTE MANAGEMENT COMPLETES)

DRUM GROSS WT. kg	DRUM NET WT. kg	10g w/g	200g w/g	DATE ASSAYED	DISKETTE NO.	ASSAYED BY - LAST NAME, FIRST INITIAL (PRINT)

SSN	nCi/g	TOTAL TRU ALPHA ACTIVITY, C	THERMAL POWER watts	PE-Ci/C	Pu FISSILE GRAM EQUIVALENT, g	WT ORGANIC, kg

DATE X-RAYED | TAPE NO. | X-RAYED BY, LAST NAME, FIRST INITIAL (PRINT)

DIVIDER PAGE

SOLID WASTE DESCRIPTION
(ORIGINATOR COMPLETES)

CARD CODE: 01 | FILE SEQUENCE NO.: 526264 | DATE SHIPPED: 12 04 84 | SHIPPED FROM BLDG: 221 | AREA: 14 BL

VARIETY CONT (1)	TOTAL QUANTITY (1)	ISOTOPIC QUANTITY (1)	UNIT ONE	VARIETY CONT (2)	QUANTITY (2)	UNIT TWO	TYPE CODE
83	010	010	G	82	2542	G	1

COMB CODE	VOLUME	COMPACTED VOLUME	DESCRIPTION
N	7		DRUM 1699

HEALTH PROTECTION SURVEY DATA

RADIATION INTENSITY @ 10 ft	CURIES ESTIMATED BY
5 mr/hr	PHA

BODY RATE TO (UNLOAD	BODY RATE IN CAB	CUSTODIAN (AUTHORIZATION FOR BURIAL)
50 mr/hr	5 mr/hr	T. Cherry

SURVEYED BY	DATE AUTHORIZED
CE Key	12-3-84

QUALITY ASSURANCE: This waste is packaged in accordance with guidelines in Special Hazards Bulletin Number 5 and DPSOL 241-FH-40.

T. Cherry	12-3-84	8900
AUTHORIZED SIGNATURE	DATE	TELEPHONE NO.

T & T

TRANSPORTED BY: B. Wiggins

VEHICLE NO.: 2354

1. Authorized signatures & Health Protection Survey Data must be filed in prior to movement of waste.
2. Each container must be identified as to contents and radioactivity.

REMARKS: TRU WASTE
PAD STORAGE

DISTRIBUTION

WHITE – SHIPPER TO RECEIVER
GREEN – SHIPPER TO ACCOUNTABILITY
BUFF – SHIPPER TO RECEIVER, TO SHIPPER
BLUE – SHIPPER RETAINS
PINK – SHIPPER TO RECEIVER, TO ACCOUNTABILITY

61

WASTE BURIAL DESCRIPTION
(BURIAL GROUND SUPERVISOR COMPLETES)

CARD CODE: 02 | FILE SEQUENCE NO.: 526264 | DATE BURIED: 12 04 84 | BURIAL LOCATION X COORDINATE: N06.46

BURIAL LOCATION Y COORDINATE	BURL CODE	CONTAINER NUMBER	PET NUMBER PREFIX	PET NUMBER SERIAL NUMBER	REMARKS AND DESCRIPTION
E25.81	6				

DESCRIPTION, CONTD

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

QA:13:00200
UFC:2300.00

INTER-OFFICE CORRESPONDENCE

DATE: October 17, 2013

FROM: J. E. Hoff J. E. Hoff LOCATION: Quality Assurance

TO: Distribution LOCATION: Various

SUBJECT: TRANSMITTAL AND CLOSURE OF NWP QUALITY ASSURANCE AUDIT I13-06, CENTRAL CHARACTERIZATION PROGRAM QUALITY ASSURANCE PROGRAM

Nuclear Waste Partnership, LLC (NWP), Quality Assurance (QA) internal audit I13-06, *Central Characterization Program Quality Assurance Program*, was performed in two segments (on July 15 through 18 and August 21 through 26, 2013, at the project office in Carlsbad and on August 13 through15, 2013, at Los Alamos National Laboratory), to evaluate the adequacy and effective implementation of the Central Characterization Program (CCP) QA Program for compliance with DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document;* WIPP Procedure (WP) 13-1, *NWP Quality Assurance Program Description,* and associated implementing procedure requirements as applicable.

This audit evaluated one half of the CCP QA Program as well as activities associated with Acceptable Knowledge (AK) which are assessed every year. On alternate years, opposite halves of the QA Program are evaluated. The program criteria evaluated during the project office portion of this audit included:

- Qualification and Training
- Document Control (follow up to previous audit, only)
- Identification and Control of Material, Parts, and Components
- Work Processes
- Inspection and Testing
- Control of Measuring and Test Equipment
- Handling, Storage, and Shipping
- Inspection, Test, and Operating Status
- Quality Improvement

Additionally, each year's audit includes a site visit to one of the waste generating sites at which CCP is active. This audit included an evaluation of the activities at Los Alamos National Laboratory (LANL). During this portion of the audit, all applicable criteria of the CCP QA Program were evaluated.

The results of this audit indicate that the required activities related to the CCP QA Program are adequately and effectively implemented to ensure that program requirements are met, with the exceptions documented in the audit findings. This audit resulted in two findings, two conditions corrected during the audit (CDA), and three observations. The findings will be documented on WIPP Form (WF) 13-299 and WF13-300 and resultant corrective actions will be tracked and closed through the WIPP Issues Management Process. The CDAs and observations require no response. Therefore, this audit is considered closed with the issuance of this report.

If you have any questions or require additional information concerning this audit, please contact Mr. D. Hood at (575) 234-8754.

TDH:ses

Attachment

A. J. Fisher	ED
D. E. Gulbransen	ED
M. W. Pearcy	ED
D. K. Ploetz	ED
T. R. Reynolds	ED
M. L. Sensibaugh	ED
C. E. Simmons	ED
M. R. Walentine	ED

cc:	W. W. Allen	ED
	V. K. Cannon	ED
	M. S. Hendrickson	ED
	L. E. Hernandez	ED
	F. M. Ito	ED
	S. A. Punchios	451-27
	T. L. Proctor	ED
	Quality Assurance Audit I13-06 File	

NUCLEAR WASTE PARTNERSHIP
QUALITY ASSURANCE AUDIT REPORT
Central Characterization Program Quality Assurance Program
I13-06

I. EXECUTIVE SUMMARY:

Nuclear Waste Partnership, LLC (NWP), Quality Assurance (QA) Audit I13-06, *Central Characterization Program Quality Assurance Program*, was performed in two segments (on July 15 through 18 and August 21 through 26, 2013 at the project office in Carlsbad and on August 13 through15, 2013 at Los Alamos National Laboratory), to evaluate the adequacy and effective implementation of the Central Characterization Program (CCP) QA Program for compliance with DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document;* WIPP Procedure (WP) 13-1, *NWP Quality Assurance Program Description*; and associated implementing procedure requirements as applicable.

The previous audit of the CCP QA Program resulted in one finding related to Document Control. A review for effectiveness of corrective actions was performed during this audit with satisfactory results.

The results of this audit indicate that the required activities related to the CCP QA Program are adequately and effectively implemented to ensure that program requirements are met, with the exceptions documented in the audit findings. This audit resulted in two findings, two conditions corrected during the audit (CDA), and three observations. The findings will be documented on WIPP Forms (WF) 13-299 and 13-300 and resultant corrective actions will be tracked and closed through the WIPP Issues Management Process. The CDAs and observations require no response. Therefore, this audit is considered closed with the issuance of this report.

II. AUDIT DETAILS:

Purpose and Scope:

The purpose of this audit was to evaluate the adequacy and effective implementation of one half of the CCP QA Program as well as activities associated with Acceptable Knowledge (AK) which are assessed every year. On alternate years, opposite halves of the QA Program are evaluated. The program criteria evaluated during the project office portion of this audit included:

- Qualification and Training
- Document Control (follow up to previous audit, only)
- Identification and Control of Material, Parts, and Components
- Work Processes
- Inspection and Testing
- Control of Measuring and Test Equipment
- Handling, Storage, and Shipping
- Inspection, Test, and Operating Status
- Quality Improvement

Additionally, each year's audit includes a site visit to one of the waste generating sites at which CCP is active. This audit included an evaluation of the activities at Los Alamos National Laboratory (LANL). During this portion of the audit, all applicable criteria of the CCP QA Program were evaluated.

The approach to this audit included observation of processes, documentation reviews, personnel interviews, and evaluations of associated procedures in order to determine the adequacy and effective implementation of the related program requirements. Where deemed appropriate, elements of the Integrated Safety Management System (ISMS) and Conduct of Operations were also evaluated.

A technical specialist was not required for the scope of this audit.

Criteria Used:

- DOE/CBFO-94-1012, Revision 11, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
- ASME/NQA-1-1989
- WIPP Procedure (WP) 13-1, Revision 33, *Washington TRU Solutions LLC Quality Assurance Program Description*
- WP 15-GM.03, Revision 6, *Integrated Safety Management System Description*
- WP 04-CO.01, Revision 2, *Conduct of Operations*

NWP Audit Team:

Lead Auditor:
Mr. T. D. Hood, QA, Oversight Programs

Auditors:
Ms. T. L. Proctor, QA, Assurance Programs

Auditor-in-Training:
Ms. L. E. Hernandez, QA, Assurance Programs

Inclusive Dates of Audit:

July 15 through 18 and August 21 through 26, 2013 (CCP offices in Carlsbad)
August 13 through 15, 2013 (LANL)

Location of Audit:

Skeen-Whitlock Building, Carlsbad, New Mexico
Los Alamos National Laboratory, Los Alamos, New Mexico

Safety and Security:

The audit in Carlsbad took place in an office environment, with no personal protection equipment being necessary. Audit activities at LANL involved the NWP Audit Team's presence in areas where steel-toed footwear and eye protection were required; team members complied with all safety requirements. Additionally, access to certain areas required use of a personal dosimeter and an escort; the NWP Audit Team complied with these requirements.

Access to all areas of LANL required badging; the NWP Audit Team maintained compliance.

During the audit, records storage locations were observed to be adequately designated and their access controlled via authorized-access signs and/or locked cabinets/areas.

Conclusions:

In addition to CCP activities assessed at the Carlsbad project office, the NWP Audit Team traveled to LANL to assess the CCP activities conducted at LANL. For the LANL portion of the assessment, the NWP Audit Team evaluated applicable facets of personnel qualification; instructions and procedures; document control; control of purchased product; material identification and control; work processes; inspection and testing; control of measuring and test equipment; handling, storage, and shipping; inspection and test status; nonconforming item control; corrective action; records; and assessments.

The NWP Audit Team concluded that the portions of the CCP QA Program subject to this audit are satisfactorily implemented, with the exceptions documented in the audit findings. The audit findings are not considered a significant hindrance to overall implementation of the QA Program. The NWP Audit Team

commends the professionalism, knowledge, competence, and courtesy displayed by all personnel contacted during the audit.

The NWP Audit Team confirmed that applicable higher-tier requirements from DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* and WP 13-1, *Quality Assurance Program Description* are adequately addressed in implementing procedures.

The NWP Audit Team observed a number of personnel in the process of conducting activities requiring qualification and specialized training while at LANL. Additionally, documents reviewed during the audit revealed additional names of qualified personnel. A sample of the aforementioned personnel was selected and their qualification and training records were verified to be adequate for the applicable processes. The NWP Audit Team verified that a list of qualified individuals (LOQI) is maintained for personnel performing work at the mobile loading unit area and in the waste characterization processing areas at LANL. Additionally, training and qualification was confirmed for personnel responsible for tracking and controlling measuring and test equipment (M&TE).

The NWP Audit Team verified that activities observed in process at LANL were conducted using guidance from established instructions, procedures, standing orders, and/or drawings. Logbooks were verified to be used and completed properly at each inspection/examination station visited. One issue was found related to compliance with a nondestructive assay (NDA) procedure; this issue is identified in audit finding I13-06-F-01. The NWP Audit Team verified implementation of various requirements from the interface agreement between CCP and LANL. One issue was identified with regards to distribution of surveillance reports; this issue is identified in audit finding I13-06-F-02.

During the previous audit, the NWP Audit Team assessed the Document Control activities conducted by Document Services personnel at the Skeen Whitlock Building (SWB). It was noted that during the review process for proposed changes to controlled documents, the review and approval was not always conducted in accordance with procedural requirements (refer to Finding I12-12-F-01). During audit I13-06, corrective actions were evaluated and found to be effective in preventing similar occurrences.

While at LANL, the NWP Audit Team took note of the revision levels of documents (e.g., procedures, standing orders, work instructions, etc) in use. The NWP Audit Team also took note of the document/procedure revisions referenced/recorded in various documents reviewed during the audit (e.g., batch data reports [BDRs], etc). The listed revision levels were compared to the document revisions found on the sftp site (the on-line site set up for CCP personnel to access controlled documents) and in the Quality and Manufacturing Integrated System (Q&MIS) and were found to be the documents current at the time of use, with one exception. Three obsolete standing orders were observed to be posted at one location, these were promptly removed; refer to condition corrected during the audit I13-06-CDA-01.

The NWP Audit Team assessed the control of purchased material while at LANL. The NWP Audit Team witnessed receipt inspection of two different items (drums and filter vents) and verified that the procured items were received and inspected according to procedural requirements and that nonconforming items were placed on hold and a nonconformance report (NCR) was issued.

Identification and control of materials, parts, and components was verified by review of BDRs, observation of receipt inspection, and observation of various items (e.g., drums, spare parts, filter vents) in storage at LANL.

The NWP Audit Team verified that work processes are adequately controlled by CCP. Work processes such as NDA, headspace gas analysis, radiographic examination, visual examination (VE), mobile loading and leak testing of Type B Packaging, and waste certification / entry into WIPP Waste Information System (WWIS)/Waste Data System (WDS) were verified to be performed by qualified personnel, in accordance with established and current procedures, and when applicable, using proper equipment.

Inspection and testing activities witnessed by the NWP Audit Team while at LANL included real time radiography (RTR), NDA, and headspace gas (hydrogen/methane) analysis. No leak testing (TRUPACT-II/HalfPACT) or VE were in process during the audit. Personnel qualifications were verified for all personnel observed performing inspection/testing, as well as several persons whose names were selected from BDRs reviewed for all examination processes in use at LANL. Current procedures were verified to be on-site and in use at each station visited by the NWP Audit Team. Processes were being conducted in accordance with the procedures, with one exception. Refer to audit finding I13-06-F-01 for details.

Adequate control of measuring and test equipment (M&TE) was verified by the NWP Audit Team. One person responsible for tracking and ensuring calibration of M&TE in the project office in Carlsbad was interviewed and calibration data records and an M&TE log were reviewed. Several instruments observed at the mobile loading area at LANL were included in the instruments whose records were reviewed.

Controls related to handling, storage, and shipping were assessed for CCP activities. The NWP Audit Team verified that items in storage at LANL (e.g., drums, filter vents, spare parts for Type B Packaging, etc) were identified and controlled adequately. No items requiring special environments or controls were observed.

The NWP Audit Team verified via review of BDRs that inspection and test results are identified in the reports and the reports are traceable to applicable containers. Nonconforming items were observed to be marked with NCR tags. Suspect items were observed to be marked with administrative hold tags.

The NWP Audit Team verified through review of a sample of NCRs that nonconforming items are identified, their conditions evaluated, and remedial action is taken. While at LANL, the NWP Audit Team verified that containers related to the reviewed LANL NCRs that were "open" had NCR tags applied. Semi-annual trending reports were reviewed and their distribution to affected and interested parties was confirmed.

Programmatic conditions adverse to quality were verified to be identified via corrective action requests (CARs). The NWP Audit Team reviewed a sample of CARs and verified the CARs are processed in a manner to identify corrective actions, assign responsible parties, determine if adverse conditions are significant, assign root cause analyses when applicable, verify completion of corrective actions, and close the CARs. CARs were observed to be included in the semi-annual trending reports.

While at LANL, the NWP Audit Team verified that quality assurance records are adequately identified, classified, generated and completed, validated, collected, stored, maintained, protected, and transmitted as necessary. This includes hard copy records as well as electronic records. Corrections that were seen to have been made to all quality records reviewed during the audit were confirmed to have been made properly. Records requested for review during the project office portion of the audit were observed to be properly stored and were readily retrievable.

While at LANL, the NWP Audit Team verified that assessments, i.e., surveillances and management assessments, are scheduled; conducted by independent, qualified personnel; and reported to interested parties. The process was verified to produce identification of conditions adverse to quality and their resolution, when applicable. It was noted that audits are not conducted, other than an annual internal audit (which is this audit). It was verified that the combination of the surveillances, management assessments, and annual internal audits provide an adequate assessment of the QA Program's implementation.

The NWP Audit Team reviewed various documents related to AK processes to verify compliance with requirements from CCP-TP-005, Revision 25, *CCP Acceptable Knowledge Documentation* and the WIPP Hazardous Waste Facility Permit. One issue was noted regarding an AK related NCR that had one trend code annotated on the NCR whereas a different trend code was listed in the database; the error was corrected promptly – refer to condition corrected during the audit I13-06-CDA-02.

The audit also included evaluations for the appropriate application of the Integrated Safety Management System (ISMS). Evidence was observed during the course of the audit that supports the positive application of three ISMS Core Functions. Specifically, the NWP Audit Team was able to confirm the application of the following ISMS Core Functions:

- Core Function Number 1, *Define the Scope of Work* – Procedures are established for the CCP QA Program,
- Core Function Number 4, *Perform Work Within Controls* - Procedures are established to assure processes are conducted appropriately, and
- Core Function Number 5, *Provide Feedback and Continuous Improvement* – Periodic assessments of the CCP QA Program are conducted, and necessary corrective actions are taken when adverse conditions are identified.

This audit resulted in the identification of two findings, two CDAs, and three observations. The findings will be documented on WF 13-299 and 13-300 and resultant corrective actions will be tracked and closed through the WIPP Issues Management Process. The CDAs and observations require no response. Therefore, this audit is considered closed with the issuance of this report.

FINDING:

I13-06-F-01

Condition(s) Noted:

RTR was being conducted in accordance with CCP-TP-053, *Standard Real-Time Radiography (RTR) Inspection Procedure,* Revision 13, on several containers from a batch identified with BDR number LA-RTR2-13-0099. One of the containers (number 94122) failed due to the contents not matching the waste stream description. The RTR technician completed a VPM [Vendor Project Manager] Administrative Hold Tag and applied it to the container, but he did not complete an NCR.

Requirement(s) Not Met:

CCP-TP-053, *Standard Real-Time Radiography (RTR) Inspection Procedure,* Revision 13, Section 4.4.2.H.1 states, "IF any hazardous waste(s) NOT identified in the AK Summary Report(s) for the waste stream being characterized...are noted during the RTR examination, THEN perform the following: Initiate an NCR in accordance with CCP-QP-005."

I13-06-F-02

Condition(s) Noted:

Surveillance Reports SUR-LANL-0004-13 and SUR-LANL-0005-13 were not sent to the LANL TRU Program (LTP) Project Director (identified as Ms. Kathy Johns-Hughes), as required.

Requirement(s) Not Met:

CCP-PO-012, *CCP / Los Alamos National Laboratory (LANL) Interface Document,* Revision 13, Section 3.3.5 states, "NWP Assurance Programs Manager...ensures surveillances of waste characterization activities at LANL are performed on a periodic basis and surveillance reports are provided to the CCP SPM, the CCP LANL Project Manager/Designee, and the LANL TRU Program (LTP) Project Director."

CONDITIONS CORRECTED DURING THE AUDIT (CDAs):

I13-06-CDA-01

Condition(s) Noted:

Three obsolete standing orders were observed posted in the headspace gas analysis area at LANL:

- CCP-SO-072, cancelled July 25, 2013
- CCP-SO-088, cancelled July 25, 2013
- CCP-SO-089, cancelled April 30, 2013

Requirement(s) Not Met:

DOE/CBFO-94-1012, *Quality Assurance Program Document*, Revision 11, section 1.4.2 states, "The distribution and use of controlled documents and forms that document or prescribe work, including changes and editorial corrections to documents, shall be controlled to meet the following requirements:

C. The disposition of obsolete or superseded documents and forms shall be controlled to avoid their inadvertent use."

Action(s) Taken and Verification of Completion:

The standing orders were removed. Removal was verified by the site CCP QA representative.

I13-06-CDA-02

Condition(s) Noted:

NCR-LANL-1369-12, dated July 26, 2012, was annotated with trend code K, whereas the Integrated Data Center (IDC) database showed trend code H.

Requirement(s) Not Met:

WP 13-1, *Quality Assurance Program Description*, Revision 33, Section 1.4.1 states, "Documents that specify or prescribe work shall be reviewed for adequacy, **correctness**, and completeness prior to approval and issuance as controlled documents."

Action(s) Taken and Verification of Completion:

A Change Control Board (CCB) was requested to change the trend code for NCR-LANL1369-12 from H to K. An email from IDCADmin@wipp.ws was sent statusing the IDC CCB Request #DCR-2013-1198 from open to closed (meaning the action was complete). These actions were verified by the NWP Audit Team.

OBSERVATION(S):

I13-06-O-01

Condition(s) Noted:

At the time the condition annotated in finding I13-06-F-01 was discovered, the technician stated that CCP-TP-066 allows the failed scan to be designated a Fast Scan and for the condition to be documented on Attachment 2 to CCP-TP-066 and referred to the SPM [Site Project Manager] for resolution (without an NCR being initiated). However, CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited items*, Section 4.6.10 addresses only prohibited items (there are no provisions in CCP-TP-066 for using a Fast Scan to reject a container with contents that do not match the designated waste steam).

I13-06-O-02

Condition(s) Noted:

Surveillance Reports SUR-LANL-0004-13 and SUR-LANL-0005-13 do not include the dates the surveillances were performed in the body of the report; however, the dates of performance are documented in each line item in the Checklist (Attachment 1) to the reports.

I13-06-O-03

Condition(s) Noted:

The following are not listed in CCP-PO-012, *CCP / Los Alamos National Laboratory (LANL) Interface Document*, Revision 13, Attachment 1, *Acronyms and Key Definitions*

- LTP (LANL TRU Program)
- SSS-PM (Shipping and Safe Storage Manager)
- VOCs (Volatile Organic Compound)
- EA (Expert Analyst)
- CPP (Central Procurement Program)

III. ATTACHMENTS:

Attachment 1, *Table of Personnel Contacted*
Attachment 2, *Table of Documents Reviewed*

IV. SIGNATURES:

Prepared by: _____ 10-16-13
T. D. Hood, Lead Auditor — Date
Oversight Programs

Approved by: _____ 10-17-13
V. K. Cannon, Manager — Date
Assurance Programs

Attachment 1, *Table of Personnel Contacted*

[A] Attended Audit Entrance Meeting **[B]** Contacted During the Audit **[C]** Attended Audit Exit Meeting

Name	A	B	C
Nuclear Waste Partnership			
Val Cannon	X	X	X
Antonio Chavarria	X*	X	
Jim Eastham		X	
Ed Gulbransen	X		
A.J. Fisher	X	X	
Laura Jones		X	
Creta Kirkes		X	
Tommy Mojica	X*	X	
Robbie Morrison		X	
Terry Mueller	X	X	
Leon Navarrete		X	
Jose Payanes		X	
Mark Pearcy			X
Mike Ramirez	X	X	
Nick Roberts		X	
Mike Rogers		X	
Mike Sensibaugh		X	
Chris Sexton		X	
Craig Simmons	X*	X	
Veronica Waldram		X	
Mak Walker	X	X	
Los Alamos National Laboratory			
Ed Anaya		X	
Sara Aragon		X	
Tim Barton		X	
Cathy Buffington		X	
Davis Christensen		X	
Aaron Elliott		X	
Maria Escarega		X	
Terri-Anne Groover		X	
Thad Hasselstrom		X	
Dave Hemsing		X	
Bob Houdashelt		X	
Erik Loechell		X	
Benito Maestas		X	
Kevin McTaggart		X	
Floyd Ortiz		X	
Mary Reed		X	
Eddie Rios		X	
Robert Rios		X	
David Sager		X	
Mike Simmons		X	
Nathan Wales		X	
S.M. Stoller Corporation			
Cheryl Armijo		X	
Ranada Baca		X	
Michele Billet		X	
Paulette Henry		X	
Leon Navarrete		X	
Sheila Pearcy		X	

X* - entrance meeting at LANL

Attachment 2, *Table of Documents Reviewed*

Document Identification	Document Title or Description
DOE/CBFO-94-1012, Revision 11	*U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
DOE/CBFO-94-1012, Revision 11	*U.S. Department of Energy Carlsbad Field Office Quality Assurance (QA) Program Document*
DOE/WIPP-02-3183, Revision 8	*CH [Contact-Handled] Packaging Program Guidance*
DOE/WIPP-02-3184, Revision 13	*CH Packaging Operations Manual*
DOE/WIPP-02-3185, Revision 2	*CH Packaging Maintenance Manual*
DOE/WIPP-02-3220, Revision 13	*CH Packaging Operations for High-Wattage Waste*
DOE/WIPP-06-3345, Revision 5	*Waste Isolation Pilot Plant Flammable Gas Analysis*
CCP-AK-LANL-010, Revision 6	*Central Characterization Program Acceptable Knowledge Summary Report for Los Alamos National Laboratory TA-21 DP West Facility*
CCP-AK-LANL-014, Revision 1	*Central Characterization Program Acceptable Knowledge Summary Report for Los Alamos National Laboratory TA-39 Two-Stage Gas Fun Facility*
CCP-CM-003, Revision 3	*Central Characterization Program High Efficiency Neutron Counter (HENC-01) (Equipment #NDA-HENC-01) Equipment Description*
CCP-CM-029, Revision 1	*Central Characterization Program High Energy Real-Time Radiography System HE-RTR*
CCP-PO-001, Revision 21	*Central Characterization Program TRU Waste Characterization Quality Assurance Project Plan*
CCP-PO-002, Revision 27	*Central Characterization Program Transuranic Waste Certification Plan*
CCP-PO-005, Revision 23	*Central Characterization Program Conduct of Operations*
CCP-PO-012, Revision 12 and 13	*Central Characterization Program/Los Alamos National Laboratory (LANL) Interface Document*
CCP-QP-002, Revision 35	*Central Characterization Program Training and Qualification Plan*
CCP-QP-005, Revision 23	*Central Characterization Program TRU Nonconforming Item Reporting and Control*
CCP-QP-008, Revision 21	*Central Characterization Program Records Management*
CCP-QP-010, Revision 24	*Central Characterization Program Document Preparation, Approval, and Control*
CCP-QP-014, Revision 5	*Central Characterization Program QA Trend Analysis and Reporting*
CCP-QP-015, Revision 12	*Central Characterization Program Procurement*
CCP-QP-016, Revision 18	*Central Characterization Program Control of Measuring and Testing Equipment*
CCP-QP-017, Revision 3	*Central Characterization Program Identification and Control of Items*
CCP-QP-018, Revision 10	*Central Characterization Program Management Assessment*
CCP-QP-019, Revision 7	*Central Characterization Program Quality Assurance Reporting to Management*
CCP-QP-021, Revision 8	*Central Characterization Program Surveillance Program*
CCP-QP-023, Revision 4	*Central Characterization Program Handling, Storage and Shipping*
CCP-QP-026, Revision 14	*Central Characterization Program Inspection Control*
CCP-QP-027, Revision 6	*Central Characterization Program Test Control*
CCP-QP-029, Revision 0	*Central Characterization Program Corrective Action Management*
CCP-QP-030, Revision 9	*Central Characterization Program Written Practice for the Qualification of CCP Helium Leak Detection Personnel*
CCP-TP-001, Revision 21	*Central Characterization Program Project Level Data Validation and Verification*
CCP-TP-002, Revision 26	*Central Characterization Program Reconciliation of DQOs and Reporting Characterization Data*
CCP-TP-005, Revision 24 and 25	*Central Characterization Program Acceptable Knowledge Documentation*
CCP-TP-011, Revision 17	*Central Characterization Program Radiography Inspection Operating Procedure*
CCP-TP-030, Revision 32	*Central Characterization Program CH TRU Waste Certification and WWIS/WDS Data Entry*
CCP-TP-033, Revision 20	*Central Characterization Program Shipping of CH TRU Waste*
CCP-TP-053, Revision 13	*Central Characterization Program Standard Real-Time Radiography (RTR) Inspection Procedure*
CCP-TP-054, Revision 3	*Central Characterization Program Adjustable Center of Gravity Lift Fixture*

Document Identification	Document Title or Description
	Preoperational Checks and Shutdown
CCP-TP-055, Revision 5	*Central Characterization Program Varian Porta-Test Leak Detector Operations*
CCP-TP-059, Revision 1	*Central Characterization Program Operating the Super High Efficiency Neutron Counter (SuperHENC) Using NDA 2000*
CCP-TP-063, Revision 14	*Central Characterization Program Operating the High Efficiency Neutron Counter Using NDA 2000*
CCP-TP-064, Revision 7	*Central Characterization Program Calibrating the High Efficiency Neutron Counter and the Super High Efficiency Neutron Counter Using NDA 2000*
CCP-TP-066, Revision 13	*Central Characterization Program Radiography Screening Procedure for Prohibited Items*
CCP-TP-069, Revision 6	*Central Characterization Program Sealed Source Visual Examination and Packaging*
CCP-TP-076, Revision 0	*Central Characterization Program Operating the Mobile ISOCS Large Container Counter Using NDA 2000*
CCP-TP-082, Revision 9	*Central Characterization Program Waste Container Filter Vent Operation*
CCP-TP-083, Revision 7 and 8	*Central Characterization Program Gas Generation Testing*
CCP-TP-086, Revision 18	*Central Characterization Program CH Packaging Payload Assembly*
CCP-TP-101, Revision 6	*Central Characterization Program Data Reviewing, Validating, and Reporting Procedure for the NDA Counters at LANL Using NDA 2000*
CCP-TP-103, Revision 11	*Central Characterization Program Operating the High Efficiency Neutron Counter Using NDA 2000*
CCP-TP-113, Revision 17	*Central Characterization Program Standard Contact-Handled Waste Visual Examination*
CCP-TP-120, Revision 16	*Central Characterization Program Container Management*
CCP-TP-121, Revision 4	*Central Characterization Program RTR #1 Operating Procedure*
CCP-TP-122, Revision 3	*Central Characterization Program RTR #2 Operating Procedure*
CCP-TP-198, Revision 7	*Central Characterization Program HE-RTR Operating Procedure*
CCP-TP-508, Revision 8	*Central Characterization Program Standard Real-Time Radiography Inspection Procedure*
CCP-TP-530, Revision 11	*Central Characterization Program RH TRU Waste Certification and WWIS/WDS Data Entry*
WP 04-CO.01-1 through -18	*Conduct of Operations Series*
WP 13-1, Revision 33	*Nuclear Waste Partnership LLC Quality Assurance Program Description*
WP 15-GM.03, Revision 6	*Integrated Safety Management System Description*
NM4890139088-TSDF	*WIPP Hazardous Waste Facility Permit*
CCP Standing Order (SO) CCP-SO-104, Revision 0	*Use of WIPP Form in concert with CCP CAR* [Corrective Action Report]
Audit Report I11-05	Washington TRU Solutions LLC, Quality Assurance Audit Report, *Central Characterization Project Quality Assurance Program*
Audit Report I12-12	Nuclear Waste Partnership LLC, Quality Assurance Audit Report, *Central Characterization Project Quality Assurance Program*
Surveillance Report S11-18	Washington TRU Solutions Quality Assurance *Acceptable Knowledge*
	Email from A. Chavarria, to T. Proctor, dated July 25, 2013, subject: NCR-LANL-1369-12
	Email from IDCAdmin@wipp.ws to A. Chavarria, dated July 25, 2013, subject: Status on your IDC CCB Request #DCR-2013-1198 Has Changed
Waste Stream LA-MSG04.001 files contained:	CCP-TP-005 Attachment 1, Attachment 3, Attachment 4, Attachment 5, Attachment 6, Attachment 7, Attachment 8, Attachment 10 and Attachment 11 Memorandum dated January 16, 2013 (did not contain number) and Memorandum P2010-3324 Source Documents: C002, C003, C022, C031, D009, D058, D060, DR001, DR002, DR003, DR005, DR007 and P012
Waste Stream LA-MHD04.001	CCP-TP-005 Attachment 1, Attachment 3, Attachment 4, Attachment 5, Attachment

Document Identification	Document Title or Description
files contained:	6, Attachment 7, Attachment 8, Attachment 10, Attachment 11, Attachment 13 and Attachment 14 Memorandum P2010-2316, Memorandum P2010-2555, Memorandum P2010-3316, Memorandum P2010-3285, Memorandum P2010-3279, Memorandum P2010-3278 and Memorandum CP:13:01260 Source Documents: C002, C003, C022, C031, D009, D058, D060, DR001, DR002, DR003, DR005, DR007 and P012
Waste Stream LA-MHD10.001 files contained.	CCP-TP-005 Attachment 1, Attachment 3, Attachment 4, Attachment 5, Attachment 6, Attachment 7, Attachment 8, Attachment 11, Attachment 13 and Attachment 14 Memorandum P2010-3293, Memorandum P2010-3323 and Memorandum CP:13:01269 Source Documents: C011, D003, D011, D012, DR001, M005 and P015
	CCP Mobile Loading Unit (MLU) Transportation Personnel List of Qualified Individuals (LOQI), August 6, 2013
	RH WDS Master Template.xls, Revision 4, Addendum #4, SCO #1066 Excel 2003/2007 Microsoft Windows XP printout
	CH WDS Master Template.xls, Revision 8, Addendum #8, SCO #1065, Excel 2003/2007 Microsoft Windows XP printout
	Interoffice Correspondence QA:13:01050, from V. K. Cannon to D. E. Gulbransen, dated June 27, 2013, subject: Information Copy of Completed Central Characterization Program Surveillance Report SUR-LANL-0005-13, Tagging and Segregation of Drums and Mover Verification at Los Alamos National Laboratory
	Interoffice Correspondence QA:13:01045, from V. K. Cannon to D. E. Gulbransen, dated June 5, 2013, subject: Information Copy of Completed Central Characterization Program Surveillance Report SUR-LANL-0004-13, Flammable Gas Analysis at Los Alamos National Laboratory
	Interoffice Correspondence QA:13:01003, from V. K. Cannon to M. L. Sensibaugh, dated January 21, 2013, subject: Central Characterization Program Surveillance/Assessment Schedule for Calendar Year 2013; with schedule
	Interoffice Correspondence QA:13:01046, from V. K. Cannon to D. E. Gulbransen, dated June 12, 2013, subject: Notification of Quality Assurance Surveillance SUR-LANL-0005-13, Tagging and Segregation of Drums and Mover Verification; with Surveillance Plan SUR-LANL-0005-13
	Interoffice Correspondence QA:13:01041, from V. K. Cannon to D. E. Gulbransen, dated May 15, 2013, subject: Notification of Quality Assurance Surveillance SUR-LANL-0004-13, Flammable Gas Analysis; with Surveillance Plan SUR-LANL-0004-13
	Letter Number CP:13:01034, from D. E. Gulbransen to C. G. Fesmire, dated January 22, 2013, subject: Semiannual Report on the National Waste Partnership (NWP) Quality Assurance Program Second Half of Calendar Year 2012 (July 1 through December 31, 2012)
	CCP 2013 Assessment Schedule Audits and Assessments Attachment, revised June 12, 2013
	Software Change Order Numbers 455, 1148, 1198 and 1141
CH-TRUCON, Revision 48, April 2013	Table 2B (Continued), *Summary of Approved Content Codes and Corresponding Shipping Categories for Close-Proximity Shipments (20-Day Shipping Period)*
	Email from L. Dominguez to Distribution, dated July 12, 2013, subject: NCR/CAR Request LANL AK6 LA-MHD01.001 Lot 389
	WWIS Data Entry Completed Record Documentation for CH LANL AK6 LA-MHD01.001, Lots 358, 359, 360, 361, 362, and 363 for Batch #3635-026, -028, -030, -032, -035, -037, and -039
	WWIS Data Entry Completed Record Documentation for RH INL ID-EFEF-S5400, Lots 16, 19, and 20 for Batch #RH081-005, -007, and -009
	LANL AK Tracking Spreadsheet, AKTSS-7/23/13
	PO Number 501578 Attachment 1 – CCP Receipt Inspection Verification Sheet

Document Identification	Document Title or Description
	Open CAR Status Report, dated 7/15/13
	CCP Corrective Action Reports (CARs): CAR-LANL0001110 CAR-LANL0002110 CAR-LANL0003110 CAR-LANL0004110 CAR-LANL0001120 CAR-LANL0002120 CAR-LANL0003120 CAR-LANL0004120 CAR-LANL0005120 CAR-LANL0006120 CAR-LANL0007120 CAR-LANL0001130 CAR-LANL0002130 CAR-LANL0003130
	CCP Nonconformance Reports (NCRs): NCR-LANL0050130 NCR-LANL0085120 NCR-LANL0187131 NCR-LANL0197130 NCR-LANL0199130 NCR-LANL0552130 NCR-LANL0561130 NCR-LANL0585130 NCR-LANL0586130 NCR-LANL0587130 NCR-LANL0588130 NCR-LANL0594130 NCR-LANL0608130 NCR-LANL0609130 NCR-LANL0660130 NCR-LANL0661130 NCR-LANL0704080 NCR-LANL0737130 NCR-LANL1005120 NCR-LANL1010120 NCR-LANL1019120 NCR-LANL1020120 NCR-LANL1025120 NCR-LANL1026120 NCR-LANL1369120 NCR-LANL1532120 NCR-LANL1546120 NCR-LANL1548120 NCR-LANL1624120 NCR-LANL1791120 NCR-LANL1970120 NCR-LANL1971120 NCR-LANL2051120 NCR-LANL3636110 NCR-LANL3637110 NCR-LANL3967110 NCR-SRS0541120
	Attachment 2 – CCP Records Transmittal/Receiving Form: Document Number: 2013-05517, Contamination Radiation Survey Report, August 9, 2013; Document Number: N/A, NDE Daily Pre-Operational Checklist, August 7, 2013
MA-CCP-0013-13	Management Assessment, signed June 11, 2013
	Certificate of Conformance for NucFil-072 Filter, dated July 29, 2013
	Certificate of Conformance for NucFil-013 Carbon Filters
	Document Action Request for Document Number: DOE/WIPP 06-3345, Revision 5, Title: *Waste Isolation Pilot Plant Flammable Gas Analysis*
	http://swoosh.lanl.gov/trucks website
	Certificate of Calibration File for the following: XC0052, XC0350, XC0365, XC0424, XC0425, XC0822, XC0882
	WIPP Records Inventory and Disposition Schedule (RIDS) for NWP/CCP/NTPC/CH for All Sites, dated August 1, 2013
	Back-up file reports for the following servers: Churchrock.PNG, Duran.PNG, Dixon. PNG, Garrison.PNG, Dunken.PNG, Whiterock.PNG
	CCP – *Los Alamos National Labs (LANL) List of Qualified Individuals*, July 12, 2013, 3:29pm
	CCP – *Los Alamos National Labs (LANL) List of Qualified Individuals*, August 8, 2013, 3:30pm
QCard-001	*WIPP Procurement Q-Card User Qualification Card,* (and it's supporting documentation of CON-008, *Graded Approach to the Application of QA Controls to Purchase Requisitions*; CON-010, *Credit Card Program*; and SCI-101, *Suspect/ Counterfeit Items*; examination results) for the following: Chris Sexton
VE-01	*Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Contact-Handled (CH) Waste Qualification Card,* (and its supporting documentation of the WAP [Waste Analysis Plan]/QAPjP [QA Project Plan] Briefing and Test, and CCP VE Comprehensive Examination results) for the following: Levie Archuleta Duane Clemons Robert Geyer Anthony Harley Tommy Mojica Kenneth Salazar Joseph Stepzinski Michael Trujillo
RTR-02	*Real-Time Radiography (RTR) Operator/ITR Qualification Card, (*and its supporting documentation of the WAP/QAPjP and RTR Examination Results; Level II SNT-TC-1A Certification, and current Eye Examination) results for the following:

Document Identification	Document Title or Description
	Aaron Elliott Thaddeus Hasselstrom Benito Maestas Michael Simmons Kenneth Simpson
NDA-02	*Non-Destructive Assay (NDA) Operator/ITR for the High Efficiency Neutron Counter (HENC) 1 and 2 Systems Qualification Card,* for the following: NDA Dominic Archuleta Richard Baumann Maria Escarcega
	Blank Qualification Cards: • VE-01, Revision 4; • VE-OSRP-01, Revision 6, *Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Los Alamos National Laboratory (LANL) – Off Site Source Recovery Program (OSRP)*; • RTR-02, Revision 4; • NDA-02, Revision 3; • NDA-13, Revision 2, *Non-Destructive Assay (NDA) Operator/ITR for the LANL Super High Efficiency Neutron Counter (HENC) System Qualification Card*; and • NDA-16, Revision 0, *Non-Destructive Assay (NDA) Operator/ITR for the Mobile ISOCS* [In-Situ Object Counting System] *Large Container Counter (MILCC) System Qualification Card*
	National TRU Program Certification for JA-101, Revision 1, *Analysis of Positions for Qualification*
	RCT [Retrieval, Characterization and Transportation]/CCP/CH Records Inventory and Disposition Schedule (RIDS), dated August 2, 2012
	Integrated Data Center CCP Nonconformance Report (NCR) Database
	WIPP Forms (WFs): WF13-101 and WF13-103
	Semi-annual Trend Reports for Calendar Year (CY) 2011 and CY2012: CP:12:01128 (January – June) CP:12:01115 (July – December) CP:12:01451 (January – June) CP:13:01034 (July – December)
	30 day list for LANL (shows M&TE due in next 30 days)
	60 day list for LANL (shows M&TE due in next 60 days)
	Print-out list of CCP controlled M&TE
	Integrated Data Center on-line database of M&TE information
	Certificates of Calibration for: • Mettler Toledo balance, file number 032799 • Torque wrench, file number 039953 • Torque wrench, file number 037909 • Torque wrench, file number 023342 • Torque wrench , file number 027332 • Electronic scale, identification number XC0987
	Shipping Authorization, dated 7/16/13 (for sending Barometer with identification number XC0903 out for calibration). Attached were *Quotation for Metrology Services* from Edison ESI, Attachment 1 – *Quality Credit Card Purchase Log* (WP 15-PC3044), *Q-Card Authorization*, *Inspection Plan*, and *Requirements for NWP/CCP M&TE Calibration.*
CCP-LANL- Standing Order (SO) -021, Revision 3	*CCP-TP-120 Rev 12, Section 4.1.7 [B.3] Clarification*
CCP- SO-036, Revision 1	*NCR/VPM Hold Tag Guidance*
CCP-SO-037, Revision none	*Additional Review and Approval of ICALs for Flammable Gas Analysis*
CCP-SO-052, Revision 0	*CCP Operations Work Schedules*
CCP-SO-072, Revision 0	*Guidance to Apply RTV-732 to Filter Vents*
CCP-SO-080, Revision 1	*Designation of Packaging Weights*
CCP-SO-088, Revision 0	*Drum Aspiration Time Requirements for Containers Sampled in the Flammable Gas Analysis (FGA) Process When Using Sampling Scenario 2*
CCP-SO-089, Revision 0	*Number of Filters Required on an SWB, TDOP, or SLB2 Before Headspace Gas*

Document Identification	Document Title or Description
	Sampling Can Be Performed
CCP-SO-104, Revision 0	*Use of WIPP Form in concert with CCP CAR*
CCP-SO-LANL-32, Revision 2	*Pipe Overpack Component (POC) Percent Fill and Weight Guidance*
CCP-SO-LANL-47, Revision 1	*CCP RTR2 Operational and Intermittent E11 and/or E12 Error Code Occurrences*
CCP-SO-LANL-49, Revision 4	*Controlling High FGE Containers*
CCP-SO-LANL-50, Revision 0	*Handling of High Americium (AM-241) Activity Debris Drums*
CCP-SO-LANL-51, Revision 0	*High Energy RTR Key Control*
CCP-SO-LANL-59, Revision 0	*Additional Filter Information for CIN-01 Containers Through FGA*
CCP-LANL-Operator Aid (OA)-2012-01, Revision 2	*LANL Standard Packaging Weights for RTR*
OA-NDA-002, Revision none	No title
OA-NDA-004, Revision 3	No title
OA-NDA-005, Revision 2	*Container Parameters*
LANL-NDE-RTR2-010	Logbook (for 2013)
LANL-NDE-HERTR02-003	Logbook (for 2013)
LANL-NDA-HENC-02-013	Logbook (for 2013)
LANL-NDA-HENC-014	Logbook (for 2013)
LANL-NDA-SHENC-004	Logbook (for 2013)
NTPC-MILCC-002	Logbook (for 2013)
LANL-HSG-TRANS-017	Logbook (for 2013)
LAVE500333	BDR for VE of container S835304
3LANDA0149	BDR for NDA of containers 93213, 93214, 93215, 93232, 93163
3LANDA0167	BDR for NDA of containers 93209, 93269, 93478, 93501, 93535
LA-RTR2-13-0086	BDR for real-time radiography (RTR) of containers 67198, 67182, 67181, 67178, 67179, 66986, 67304, 67180, 67187, 67185, 66945, 67183, 67186
LA-RTR2-13-0088	BDR for RTR of containers 93866, 93863, 93856, 93859, 93871, 93861, 93880, 93877
LA-HERTR-13-0078	BDR for RTR of containers S811731, 93081
LA-HERTR-13-0072	BDR for RTR of containers 53885, 54211, 52304, 53877, 93756, 93809, 93810, 93777, 93770, 93769, 93771
LAVE550115	BDR for VE of containers 67210, 67366
LAVE550116	BDR for VE of containers 67216, 67301
1LANDA1795	BDR for NDA of containers 93834, 93833, 93838, 93839, 93827, 93192, 93153, 92559, 92561, 62025
1LANDA1796	BDR for NDA of containers 93080, 67186, 66882, S800594, 66657, 67187, 67185
2LANDA1182	BDR for NDA of containers 93819, 93092, 93201, 93203, 93205, 91504, S850246, 93347, 93226
2LANDA1183	BDR for NDA of containers 67179, 67304, 67180, 67198, 67182, 67178, 67181, 67344
	Reviewed the following BDRs in-process (while observing examination being performed on the container[s] listed below) – not all related documents were completed at time of review: • LA-RTR2-13-0099, containers 94128, 94122, 94138 • LAHERTR-13-0092, container 94154 • 2LANDA1210, container 57333 • 1LANDA1827, container 94108
	Email from T. A. Groover, dated 5/1/13, delegating Dave Hemsing as Visual Examination Expert (VEE)
	Reviewed training/qualification/documentation files for the following personnel (persons involved with the CCP Mobile Loading Unit [MLU] area): • Ed Anaya

Document Identification	Document Title or Description
	○ CH Packaging Operator SME/OJT [Subject Matter Expert/On-the-Job-Trainer] ○ RH Packaging Operator SME/OJT ○ TRUPACT-III Packaging Operator SME/OJT ○ HLD [Helium Leak Detection] Level II ○ PCLT [Pressure Change Leak Detection] Level II ○ Eye examination • Bob Houdashelt ○ CH Packaging Operator SME/OJT ○ RH Packaging Operator SME/OJT ○ HLD Level II ○ Eye examination • Kevin McTaggart ○ CH Packaging Operator SME/OJT ○ HLD Level II ○ Eye examination • Wade Weyerman ○ HLD Level III (including TRUPACT-III)

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:
UFC:

INTER-OFFICE CORRESPONDENCE

DATE: October 2, 2013

FROM: L.Nelson LOCATION: Project Quality Assurance

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: DRAFT ACCEPTABLE KNOWLEDGE ACCURACY REPORT: SAVANNAH RIVER SITE WASTE STREAM NUMBER SR-RH-SDD.01, Lot 1.

Purpose

CCP-TP-005, Revision 24, *CCP Acceptable Knowledge Documentation*, requires that Acceptable Knowledge (AK) accuracy be evaluated and documented, either on a lot or waste stream basis. The purpose of this correspondence is to document the results of the AK accuracy evaluation for containers in Waste Stream SR-RH-SDD.01, Debris Waste, Lot 1.

Methodology

In accordance with CCP-TP-005, the CCP Acceptable Knowledge Confirmation Checklist (Attachment 13) for Lot 1 in Waste Stream SR-RH-SDD.01 subject to this AK Accuracy review was evaluated.

The results of the AK accuracy evaluation for Waste Stream SR-RH-SDD.01, Lot 1 are documented on the attached AK Accuracy Report form (Attachment 14). A total of 3 containers have been evaluated for AK accuracy and none had the Waste Matrix Codes (WMCs) reassigned, Environmental Protections Agency (EPA)Hazardous Waste Numbers (HWNs) reassigned, or were found to have radiological data inconsistent with AK. The results of the AK Accuracy determination for Waste Stream SR-RH-SDD.01 Lot 1 are addressed in the following sections of this correspondence.

Results of AK Accuracy Determination

AK Re-Evaluation and confirmation for Waste Stream SR-RH-SDD.01:

No AK re-evaluation Checklists were prepared for waste containers in Waste Stream SR-RH-SDD.01, Lot 1.

The following parameters were described in AK Accuracy Report SR-RH-SDD.01.

- The AK identifies the waste as debris waste.
- The waste stream was determined to contain No Resource Conservation and Recovery Act regulated constituents and is not assigned any EPA HWN codes.

No EPA HWNs were reassigned to this waste stream.

The waste material parameters, EPA HWNs and radionuclides are within reasonable error, as predicted in the AK Summary Report SR-RH-SDD.01. No additional AK re-evaluation is required at this time.

Other Considerations

An Attachment 10 was not generated for this waste stream.

No drums were eliminated from Waste Stream SR-RH-SDD.01 due to radioisotopic content.

Based on the criteria for calculating accuracy, the accuracy for the waste stream is 100 percent, as calculated below.

Summary

There are a total of 3 containers in Lot 1 for Waste Stream SR-RH-SDD.01 and all containers were determined to be consistent with AK Summary Report SR-RH-SDD.01. The percentage of waste containers found to be consistent with AK is therefore:

3/3= 100%

This AK Accuracy Report has been prepared in accordance with CCP-TP-005. The original Attachment 14, AK Accuracy Report, the supporting list of waste containers in Lot 1 for Waste Stream SR-RH-SDD.01 is being provided directly to CCP Records in accordance with CCP-TP-005 requirements.

If you have any questions or if you would like more information about the contents of this AK Accuracy Report, please contact me at (303) 843-2269.

LMN:jc

Attachments

CC: M. Sensibaugh ED
I. Joo ED

Attachment 14 – CCP Acceptable Knowledge Accuracy Report – Example Form

CCP Acceptable Knowledge Accuracy Report

Site(s): SAVANNAH RIVER SITE (SRS)

Waste Stream Number(s): SR-RH-SDD.01

Waste Stream Description: DEBRIS WASTE

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)
See Attachment 2 for listing of Container	N/A	N/A	Y
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Total containers in this report: 3
Total containers consistent with AK: 3
Percent containers consistent with AK: 100%

Site Project Manager:
Laura Nelson / _____ Date: 10/3/13
Print Sign

DIVIDER PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:
UFC:

INTER-OFFICE CORRESPONDENCE

DATE: October 10, 2013

FROM: L.Nelson LOCATION: Project Quality Assurance

TO: I.Joo ED LOCATION: Support and RH Development

SUBJECT: DRAFT ACCEPTABLE KNOWLEDGE ACCURACY REPORT: SAVANNAH RIVER SITE WASTE STREAM NUMBER SR-RH-221H.01, LOT 1

Purpose

CCP-CP-SRS-602, *Central Characterization Project RH TRU Waste Certification Plan for 40 CFR Part 194 Compliance for SRS Waste Stream: SR-RH-221H.01,* addresses Acceptable Knowledge (AK) accuracy reporting for Remote-Handled (RH) Transuranic (TRU) waste in waste stream SR-RH-221H.01. The purpose of this memorandum is to identify where the results of AK accuracy evaluation for the 16 containers of RH TRU in Lot 1 of this waste stream are located, and to summarize these results.

Methodology

The requirements for AK Accuracy reporting for RH waste are contained in DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Implementation Plan* (WCPIP). These requirements have been incorporated into the Central Characterization Program (CCP) program in CCP-CP-SRS-602, with a discussion regarding the way in which they will be applied to RH TRU at Savannah River Site (SRS).

Section 3.4.2.2 of the WCPIP establishes the definition of accuracy, and sets the accuracy reporting requirements for RH waste. The WCPIP requires that accuracy be reported in terms of the physical form of the waste, such that any containers that require re-assignment to a new Summary Category Group (SCG) or waste stream would be counted against AK accuracy. In addition, the WCPIP states that CCP will develop a methodology for comparing radionuclide information from confirmation with information in the AK record.

AK accuracy reporting requires a site to evaluate accuracy through determination of the percentage of waste containers that require reassignment to a new SCG, or to a new waste stream based on measurements that demonstrate the container does not comply with the Data Quality Objectives (DQOs).

Results of AK Accuracy Determination

Waste stream SR-RH-221H.01 consists of RH TRU debris generated by H-Canyon, HB-Line (HBL) which was used to convert radioactive materials (e.g. Np-237 and Pu-238) to solid neptunium and plutonium oxides, HBL also dissolved solid scrap material from on and off site locations. The waste was generated between July 1977 and November 1990.

No significant radiological information discrepancies have been noted with the containers that are included in this waste stream. No containers that have been accepted into this waste stream have been reassigned to a different Summary Category Group or a new waste stream.

There are no AK Accuracy Discrepancy to report. The required AK Accuracy Report for the waste stream SR-RH-221H.01 consists of:

1. The information in CCP-CP-SRS-602

What follows is a summary of the AK Accuracy Report evaluation results from CCP-CP-SRS-602 to qualify AK information.

DQO for TRU Waste Determination – The required site methodology for comparing radionuclide information confirmation with the AK record is performed in two parts. The work required to develop the isotopic abundances has been completed and is described in CCP-RC-SRS-561. It establishes that there are no significant discrepancies between the AK information used in the modeling and the qualification of that AK (modeling and sampling). The second part will be comparison of the reported measurement results (nanocuries per gram) with the AK information identifying the waste as TRU waste. AK Accuracy is based on an evaluation of the AK information and DTC results. Containers that are not TRU waste will be counted against AK accuracy.

DQO for RH Waste Determination – AK Accuracy is based on a comparison of the actual survey results (mrem/hr) with the AK information identifying the waste as RH waste. Containers with survey results documenting them as RH waste at the time of survey, but which have since decayed to less than RH levels will not be considered an AK discrepancy.

DQO for Activity Determination –AK Accuracy is based on the characterization method described in CCP-RC-SRS-561. This includes the identification and reporting of the ten WIPP tracked isotopes (Am-241, Pu-238, Pu-239, Pu-240, Pu-242, U-233, U-234, U-238, Sr-90, and Cs-137) and additional radionuclides contributing 95 percent of the radiological hazard. The DTC set of reported radionuclides is representative of the expected radionuclides in the waste stream, therefore, there is no expected impact to AK. This method to calculate the curie per liter will be used for each container loaded into a RH canister. Uncertainty is expressed as one standard deviation. The calculation results (curie per liter) for each container will be summed to determine the activity of the RH-72B cask and compared with the LWA limit of 23 curies per liter. The cask will not be loaded to greater than 23 curies per liter; therefore there will be no impact on AK Accuracy with regard to the LWA limit.

DQO for Physical Form – AK accuracy for this DQO is based on a comparison of the Real Time Radiograpy (RTR) results with the AK information identifying the SCG of the waste. Containers with results documenting them as having a different SCG than that identified by AK will be counted against AK accuracy.

DQO for Residual Liquids – AK accuracy for this DQO is based on the results of RTR. Containers that are identified by RTR to contain residual liquids greater than one percent by volume are counted against AK accuracy only if the presence of the residual liquids causes the container to be reassigned to a different SCG or waste stream.

Summary

AK Accuracy Reporting for waste stream SR-RH-221H.01, Lot 1 consisting of 16 RH TRU containers of waste stream SR-RH-221H.01, is complete. The Characterization Data consists of the information in CCP-CP-SRS-602 used to qualify AK information regarding physical form and absence of prohibited liquids.

As discussed above there are no AK Accuracy discrepancies to report; therefore the AK Accuracy for waste stream SR-RH-221H.01 is calculated as follows:

[(16/16)*100%]= 100.0%

ln:jmc

cc: Mike Sensibaugh ED

NWP Records Custodian GSA-212

Attachment 14 – CCP Acceptable Knowledge Accuracy Report – Example Form

CCP Acceptable Knowledge Accuracy Report

Site(s): SAVANNAH RIVER SITE (SRS)

Waste Stream Number(s): SR-RH-221H.01

Waste Stream Description: DEBRIS WASTE

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)
See Attachment 2 for listing of Container	N/A	N/A	Y
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Total containers in this report: 16
Total containers consistent with AK: 16
Percent containers consistent with AK: 100%

Site Project Manager:
Laura Nelson / _____ Date: 10/10/13
Print Sign

DIVIDER PAGE

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-SDD.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SDD076307	NA	NA	NA	SRSRHVE13001	
SDD076309	NA	NA	NA	SRSRHVE13001	
SDD076308	NA	NA	NA	SRSRHVE13001	

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-SDD.01 Lot #: 1

Container Number	RTR Prohibited Items [ab]	Visual Examination Prohibited Items [ab]	Does the Physical Form of the Waste
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	RTR was not used to certify any containers in this lot.	None of the containers in this Lot had prohibited items identified during Visual Examination technique.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-SDD.01			

Site Project Manager Signature | Laura Nelson Printed Name | Date

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01526
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: October 31, 2013

FROM: J. Houghton LOCATION: CCP Certification

TO: R.W. Lee LOCATION: CCP Operations
Savannah River Site

SUBJECT: ACCEPTABLE KNOWLEDGE ACCURACY REPORT: SAVANNAH RIVER SITE CCP-AK-SRS-8 WASTE STREAM NUMBER SR-MD-SOIL, REVISION 1, SOILS, LOTS 5 - 9, CUMMULATIVE FOR LOTS 1 - 9

Purpose

Procedure CCP- TP-005, Central Characterization Project Acceptable Knowledge Documentation, requires that Acceptable Knowledge (AK) accuracy be evaluated and documented, either on a subset of containers from the subject waste stream or a waste stream lot. The purpose of this correspondence is twofold. First, it documents the results of the AK accuracy determination for waste containers in waste stream SR-MD-SOIL, lots 5 - 9 that have previously not been evaluated. Second, it provides a summary of AK accuracy for waste containers in waste stream SR-MD-SOIL, revision 1, lots 1 - 9.

Methodology

In accordance with CCP-TP-005, applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10) were reviewed for waste stream SR-MD-SOIL, revision 1, lots 5 - 9 to determine if waste containers had waste matrix codes (WMCs) reassigned, Environmental Protection Agency (EPA) hazardous waste numbers reassigned, or were found to have radiological data inconsistent with AK. The total list of waste containers for lots 5 - 9 (21 containers) is provided on the Correlation of Container forms that accompanies this AK Accuracy Report. The results of the AK accuracy determination for these waste containers are described in Results section.

The results of the AK accuracy determination for containers in lots 5 - 9 were combined with the results from previous AK accuracy determinations for lots 1 - 4 and containers requiring special consideration to provide the overall AK accuracy for waste stream SR-MD-SOIL, revision 1, lots 1 – 9 in terms of accuracy percentage. The results of the AK Accuracy evaluation for waste containers comprising lots 1 - 9 are addressed in the Summary section of this correspondence and documented in the attached AK Accuracy Report form (CCP-TP-005, Attachment 14).

COPY

Results of AK Accuracy Determination Waste Stream SR-MD-SOIL, Revision 1, Lots 5 - 9

A review of applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10) indicates the following:

- There were no containers reassigned to a different WMC.
- There were no EPA hazardous waste numbers reassigned.
- AK identifies Pu-239 and Pu-238 as the two most prevalent isotopes by mass in the waste stream. The two most prevalent nuclides in each lot were not always consistent with AK, but this was not considered significant because the isotopes identified were anticipated in the waste (e.g. U-234). Based upon these factors, no containers were eliminated due to isotopic content.

Containers Requiring Special Consideration

One AK Re-evaluation (AKR) occurred during this AK accuracy evaluation period but resulted in no removal of containers from this waste stream.

Summary

There are a total of 74 waste containers for which AK accuracy was determined in lots 1 - 9 for waste stream SR-MD-SOIL, revision 1. The breakdown of results is:

- Lots 1 – 3 include 44 containers (reference Inter-Office Correspondence CP:11:01739, dated 11/09/2011). Of these, all were determined to be consistent with AK.
- Lot 4 consists of 9 containers (reference Inter-Office Correspondence CP:12:01544, dated 10/31/2012). Of these, all but three were determined to be consistent with AK.
- Lots 5 -9 include 21 containers. Of these, all were consistent with AK.

The percentage of waste containers found to be consistent with AK for waste stream SR-MD-SOIL, revision 1, is therefore:

(71/74) x 100 = 95.9%

If you have any questions, or if you would like more information about the contents of this AK Accuracy Report, please contact me at Extension 7124.

JWH:jmc

Enclosures: 1. CCP-TP-005, Attachment 14, CCP AK Accuracy Report SR-MD-SOIL, Revision 1
2. CCP-TP-002, Attachment 4, CCP Correlation of Container Identification Number to Batch Data Report Numbers, Lots 5 - 9

cc: NWP

(without enclosures)

V. K. Cannon	ED
M. W. Pearcy	ED
M. L. Sensibaugh	ED

(with enclosures)

NTPC Records Custodian	GSA-212

SRS

L. Fox	ED

TechSpecs

M. Papp	ED

Attachment 14 – CCP Acceptable Knowledge Accuracy Report Page 1 of 1

CCP Acceptable Knowledge Accuracy Report

Site(s): **Savannah River Site**

Waste Stream Number(s): **SR-MD-SOIL, Revision 1**

Waste Stream Description: **SOILS**

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)
None	N	N	Y

Total containers in this report: 71
Total containers consistent with AK: 74
Percent containers consistent with AK: 95.9

Site Project Manager:

Joshua Houghton / _____ Date: 10/31/13
Print Sign

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 5

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR
MDL054462	SRLBC0076	SR4RTR0053	N/A	N/A	N/A		SR09FG3074

Signature of Site Project Manager

Roger Whiteaker
Printed Name

7/10/2012
Date

CTS 004

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 6

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes
MDL0504556	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD110265,N,V,M	N/A
MDL0506223**	N/A	N/A	N/A	WCS-0501	ALD050215,N,V,M	N/A
MDL0506233**	N/A	N/A	N/A	WCS-0501	ALD050235,N,V,M	N/A
MDL0506246**	N/A	N/A	N/A	WCS-0502	ALD050185,N,V,M	N/A
MDL0506267**	N/A	N/A	N/A	WCS-0501	ALD050245,N,V,M	N/A
MDL0506281**	N/A	N/A	N/A	WCS-0501	ALD050215,N,V,M	N/A
MDL0506656	SRSGS282	SR4RTR0053	N/A	SSC11-00008	ALD110265,N,V,M	N/A
MDL0506675	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD110265,N,V,M	N/A
MDL0506692	SRLBC0211	SR4RTR0107	N/A	SSC11-00008	ALD110265,N,V,M	N/A
MDL5045868	SRLBC0210	SR4RTR0108	N/A	SSC11-00008	ALD110265,N,V,M	N/A

Note: This Lot was established for WSPF revision to capture the data present in the UCL_{90}. All RTR/NDA data for these containers have been accounted for in previous Lots.

** These containers were randomly selected for solids sampling and analysis and are included for the verification of hazardous waste number assignment for the waste stream only.

Signature of Site Project Manager

Joshua Houghton
Printed Name

11/6/2012
Date

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 7

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Transportation Headspace Gas BDR
MD0504544A	SRLBC0698	SRSRTR0584	N/A	N/A	N/A	N/A	SR12FG11050
MD0504544B	SRLBC0698	SRSRTR0584	N/A	N/A	N/A	N/A	SR12FG11050
MDL0504544	SRLBC0698	SRSRTA0583	N/A	N/A	N/A	N/A	SR12FG11050
MDL0506030	SRLBC0808	SRLBR0057	N/A	N/A	N/A	N/A	SR12FG3051
MDL0506075	SRLBC0808	SRLBR0057	N/A	N/A	N/A	N/A	SR12FG3051
MDL0506223	SRLBC0797	SRLBR0057	N/A	WCS-0501	ALD05015N ALD05021S ALD05021V ALD05023M	N/A	SR12FG3051
MDL0506233	SRLBC0797	SRLBR0057	N/A	WCS-0501	ALD05015N ALD05021S ALD05021V ALD05023M	N/A	SR12FG3051
MDL0506267	SRLBC0844	SRLBR0057	N/A	WCS-0501	ALD05018N ALD05023M ALD05024S ALD05026V	N/A	SR12FG3051
MDL0506281	SRLBC0797	SRLBR0056	N/A	WCS-0501	ALD05015N ALD05021S ALD05021V ALD05023M	N/A	SR12FG11086
MDL0506551	SRLBC0838	SR4ATR0205	N/A	N/A	N/A	N/A	SR11FG3137
MDL0506674	SRLBC0847	SRLBR0061	N/A	N/A	N/A	N/A	SR12FG11123
WMAPSLB016	SRLBC0768	SRLBR0049	N/A	N/A	N/A	N/A	SR12FG11090

Signature of Site Project Manager

Joshua Houghton
Printed Name

12/4/2012
Date

CCS-005

CCP-TP-002 Rev. 24
Effective Date: 12/28/2011
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 8

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Transportation Headspace Gas BDR
MDL0506566	SRLBC0887	SR4RTR0301	N/A	N/A	N/A	N/A	SR12PG11137
MDL504472A	SRLBC0266	SRSRTR0408	N/A	N/A	N/A	N/A	SR10PG3094

Signature of Site Project Manager

Joshua Houghton
Printed Name

1/29/2013
Date

CPS-005

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-MD-SOIL Lot # 9

Container ID Number	Historical Container ID	NDA BDR	RTR BDR	VE BDR	Load Overpack Yes	Transportation Headspace Gas	
						FGA	GGT
MDL0506566	N/A	SRLBC0887	SR4RTR0301	N/A	No	SR12FG11137	N/A

Signature of Site Project Manager | Josh Houghton (Printed Name) | 09/16/2013 (Date)

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01544
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: November 6, 2013

FROM: J. Houghton LOCATION: CCP Certification

TO: R.W. Lee ED LOCATION: CCP Operations
Savannah River Site

SUBJECT: ACCEPTABLE KNOWLEDGE ACCURACY REPORT: SAVANNAH RIVER SITE CCP-AK-SRS-12 WASTE STREAM NUMBER SR-SWMF-HET-B, HETEROGENEOUS DEBRIS WASTE, FOR LOT 1

Purpose

Procedure CCP- TP-005, Central Characterization Project Acceptable Knowledge Documentation, requires that Acceptable Knowledge (AK) accuracy be evaluated and documented, either on a subset of containers from the subject waste stream or a waste stream lot. The purpose of this memorandum is to document the results of the AK accuracy determination for waste containers in waste stream SR-SWMF-HET-B, lot 1.

Methodology

In accordance with CCP-TP-005, applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10) were reviewed for waste stream SR-SWMF-HET-B, lot 1 to determine whether waste containers had waste matrix codes (WMCs) reassigned, Environmental Protection Agency (EPA) hazardous waste numbers reassigned, or were found to have radiological data inconsistent with AK. The list of waste containers for lot 1 (5 containers), which is the total waste stream, is provided in the attachment that accompanies this AK Accuracy Report. The results of the AK accuracy determination for these waste containers are described in the Results section.

The results of the AK accuracy determination for containers in lot 1, and containers requiring special consideration, provides the overall AK accuracy for waste stream SR-SWMF-HET-B, in terms of accuracy percentage. The results of the AK accuracy evaluation for waste containers comprising lot 1 are addressed in the Summary section of this memorandum and documented in the attached AK Accuracy Report form (CCP-TP-005, Attachment 14).

Results of AK Accuracy Determination Waste Stream SR-SWMF-HET-B, Lot 1

A review of applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10), indicates the following:

- There were no WMC reassigned.
- There were no EPA hazardous waste numbers reassigned.

COPY

- As identified in AK, Pu-239 and Np-237 are the two most prevalent isotopes by weight in the waste stream. For this lot, which is the entire waste stream, U-238 and Pu-239 are the two most prevalent isotopes. An AK re-evaluation occurred which resulted in a freeze-file being submitted. The AK Summary Report will be revised to reflect U-238 and Pu-239 as the two most predominant isotopes. No containers were eliminated due to isotopic content.

Containers Requiring Special Consideration

One AK re-evaluation occurred during this AK accuracy evaluation period regarding the evaluation of 2-ethoxyethanol. 2-ethoxyethanol was not added to the hazardous waste constituents due to all containers tentatively identifying 2-ethoxyethanol were removed from the waste stream for other reasons. EPA hazardous waste number F005 was already applied to SR-SWMF-HET-B, so there was no impact to the assignment of hazardous waste numbers.

Summary

There are a total of 5 waste containers in lot 1 for waste stream SR-SWMF-HET-B for which AK accuracy was determined. The breakdown of results is listed below.

- Lot 1 includes 5 containers. Of these containers, all were determined to be consistent with AK. Although the CCP Correlation of Container Identification Numbers to Batch Data Report Numbers for Lot 1 identifies 12 containers, 7 containers are eliminated from this evaluation since NDA confirms that these containers are low-level. Therefore, only 5 containers are considered for this accuracy report.

The percentage of waste containers found to be consistent with AK for waste stream SR-SWMF-HET-B is therefore:

(5/5) x 100 = 100%

If you have any questions, or if you would like more information about the contents of this AK Accuracy Report, please contact me at Extension 7124.

JWH:jmc

cc: NWP:

(without enclosures)
V. K. Cannon ED
M. W. Pearcy ED
M. L. Sensibaugh ED

(with enclosures)
NTPC Records Custodian GSA-212

SRS

L. Fox ED

TechSpecs

M. Papp ED

Attachment 14 – CCP Acceptable Knowledge Accuracy Report Page 1 of 1

CCP Acceptable Knowledge Accuracy Report

Site(s): **Savannah River Site**

Waste Stream Number(s): **SR-SWMF-HET-B**

Waste Stream Description: **HETEROGENEOUS DEBRIS WASTE**

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)
None	N	N	Y

Total containers in this report: 5
Total containers consistent with AK: 5
Percent containers consistent with AK: 100

Site Project Manager:

Joshua Houghton
Print

Sign

Date: 11-6-13

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and
Reporting Characterization Data

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream # SR-SWMF-HET-B Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR108180	SRLBC0706	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR607474	SRLBC0900	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1302	ECL13002M	N/A
SR607480	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607482	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607486	SRLBC0861	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR79150*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79177*	SRLBC0706	SR4RTR0257	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79178*	SRLBC0707	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79179*	SRLBC0763	SRSRTR0577	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79182*	SRLBC0689	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92624*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92625*	SRLBC0689	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A

*These containers were found to be low level waste when assayed and are no longer active in this waste stream. The HSG data is still valid for RCRA hazardous waste code determination and are included in the UCL90 calculations. They are kept on the Cross Correlation for completeness.

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CIS-003

DIVIDER PAGE

NWP
Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:13:01549
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: November 12, 2013

FROM: J. Houghton BSSchrock for J. Houghton — LOCATION: CCP Certification

TO: R. W. Lee ED — LOCATION: CCP Operations Savannah River Site

SUBJECT: ACCEPTABLE KNOWLEDGE ACCURACY REPORT: SAVANNAH RIVER SITE CCP-AK-SRS-14 WASTE STREAM NUMBER SR-W027-321M-HOM, ABSORBED ORGANIC LIQUIDS, FOR LOT 1.

Purpose

Procedure CCP-TP-005, Central Characterization Project Acceptable Knowledge Documentation, requires that Acceptable Knowledge (AK) accuracy be evaluated and documented, either on a subset of containers from the subject waste stream or a waste stream lot. The purpose of this correspondence is to documents the results of the AK accuracy determination for waste containers in waste stream SR-W027-321M-HOM, lot 1.

Methodology

In accordance with CCP-TP-005, applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10) were reviewed for waste stream SR-W027-321M-HOM, lot 1 to determine if waste containers had waste matrix codes (WMCs) reassigned, Environmental Protection Agency (EPA) hazardous waste numbers reassigned, or were found to have radiological data inconsistent with AK. The total list of waste containers for lot 1 (1 container) is provided in the attachment that accompanies this AK Accuracy Report. The results of the AK accuracy determination for these waste containers are described in the Results and Summary sections.

Results of AK Accuracy Determination Waste Stream SR-W027-321M-HOM, Lot 1

A review of applicable CCP Waste Stream Characterization Checklists (CCP-TP-005, Attachment 13) and Acceptable Knowledge Re-Evaluation Checklists (CCP-TP-005, Attachment 10) indicates the following:

- There were no WMCs reassigned.
- There were no EPA hazardous waste numbers reassigned.
- As identified in AK, Pu-239 and Np-237 were the two most prevalent isotopes by mass in the waste stream.

COPY

NTPC RECORDS ORIGINAL
DATE REC'D 11/13/13

Containers Requiring Special Consideration

Two AK re-evaluations occurred during the AK accuracy reporting period. The predominant radionuclide identification was evaluated and the current radionuclide identification is based on NDA and represented in the AK. Trichloroethylene was identified UCL90 calculations exceeded the PRQL values for this analyte. EPA hazardous waste number F002 for Trichloroethylene was added the waste stream and is represented in the AK.

Summary

There is a total of 1 waste container in lot 1 for waste stream SR-W027-321M-HOM. The breakdown of results is:

- Lot 1 includes 1 container. Of these, 1 container required special consideration. All containers were determined to be consistent with AK.

The percentage of waste containers found to be consistent with AK for waste stream SR-W027-321M-HOM is therefore:

(1/1) x 100 = 100%

If you have any questions, or if you would like more information about the contents of this AK Accuracy Report, please contact me at Extension 7124.

JWH:jmc

Enclosures: 1. CCP-TP-005, Attachment 14, CCP AK Accuracy Report SR-W027-321M-HOM
2. CCP-TP-002, Attachment 4, CCP Correlation of Container Identification Number to Batch Data Report Numbers, Lot 1

cc: NWP

(without enclosures)
V. K. Cannon ED
M. W. Pearcy ED
M. L. Sensibaugh ED

(with enclosures)
NTPC Records Custodian GSA-212

SRS

L. Fox ED

TechSpecs

M. Papp ED

Attachment 14 – CCP Acceptable Knowledge Accuracy Report

CCP Acceptable Knowledge Accuracy Report

Site(s): **Savannah River Site**

Waste Stream Number(s): **SR-W027-321M-HOM**

Waste Stream Description: **ABSORBED ORGANIC LIQUIDS**

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)
None	N	N	Y

Total containers in this report: 1
Total containers consistent with AK: 1
Percent containers consistent with AK: 100

Site Project Manager:

Joshua Houghton / _____ Date: 11-8-13
Print Sign

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-W027-321M-HOM Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR500174	SRLBC0587	SR4RTR0230	N/A	SSG12-00007	ALD12030F, ALD12030H, ALD12030M, ALD12030N, ALD12030S, ALD12030V		N/A	N/A	N/A

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

2/7/2013
Date

a1500 3

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:12:01606
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: November 19, 2012

FROM: J.W. Houghton LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: REVISED HEADSPACE GAS SAMPLE SELECTION CANDIDATE MEMORANDUM FOR THE FIRST RANDOM SELECTION LOT OF CONTAINERS OF HETEROGENEOUS DEBRIS WASTE, WASTE STREAM SR-SWMF-HET-B, BEING CHARACTERIZED BY THE CENTRAL CHARACTERIZATION PROJECT AT THE SAVANNA RIVER SITE

Per *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*, Procedure CCP-TP-162, this memo provides the Headspace Gas Sampling Selection Candidate Listing for Random Selection (RS) Lot 1 of Waste Stream SR- SWMF-HET-B being characterized by the Central Characterization Program (CCP) at Savannah River Site (SRS). This waste stream consists of 13 containers, currently included in the SRS Acceptable Knowledge Tracking Spreadsheet (SRSAKTSS) as of November 19, 2012. Per the requirements of CCP-TP-162, 10 containers will need to be sampled to fulfill the required resolution of Environmental Protection Agency hazardous waste number assignment. Due to the small size of this waste stream, CCP has elected to sample all containers in this waste stream prior to shipment. This memorandum supersedes CP:12:01151 dated March 26, 2012.

If further information is needed, I may be contacted at Extension 7124.

JWH:jmc

Cc: NWP

R. P. Kantrowitz	ED
R. W. Lee	ED
D. W. Moody	ED
M. W. Pearcy	ED
B. S. Schrock	ED
M. L. Sensibaugh	ED
W. P. Tilmon	ED

RES

R. R. Chavez	ED
K. Guillermo	ED

CCP RECORDS ORIGINAL
DATE REC'D 11/27/12

DIVIDER PAGE

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

CP:12:01576
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: November 6, 2012

FROM: L. M. Nelson LN LOCATION: CCP Certification

TO: NTP Records Custodian GSA-212 LOCATION: NTP Certification

SUBJECT: REVISED HEADSPACE GAS RANDOM SAMPLE SELECTION MEMORANDUM FOR WASTE STREAM SR-RH-221H.01, LOT 1, CHARACTERIZED BY THE CENTRAL CHARACTERIZATION PROJECT AT THE SAVANNAH RIVER SITE.

REFERENCE: WTS Memorandum CP:12:01225 UFC:5900.00 to CCP Records Custodian GSA-212 dated May 7, 2012 Subject: Revised Headspace Gas Random Sample Selection Memorandum for waste stream SR-RH-221H.01 Lot 1, Characterized by the Central Characterization Project at the Savannah River Site.

This memorandum has been revised to correct the number of containers assigned to this waste stream. Per procedure CCP-TP-162, CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis, this memorandum provides the attached Headspace Gas Random Selection Listing for Lot 1 of Waste Stream SR-RH-221H.01, which is being characterized by the Central Characterization Project at the Savannah River Site. Waste Stream SR-RH-221H.01 consists of sixteen (16) containers of Remote Handled (RH) waste.

The ten containers specifically identified for the sample to be used for the required resolution of Environmental Protection Agency hazardous waste number assignment and six contingency container listings selected for the sample if the calculated required sample size exceeds the ten primary selections or any of the primary selections fail to qualify for sampling for this waste stream are identified below and in the accompanying enclosure. The attachment also identifies all potential containers within the lot and correlation of randomly selected numbers with each container.

	Headspace Gas Random Sample Selection Listing -Lot 1- Waste Stream SR-RH-221H.01				
#	**Container**	**Rand. Nr.**	**#**	**Container**	**Rand. Nr.**
1	SR570546	0.208	6	SR522331	0.398
2	SR526263	0.236	7	SR526264	0.483
3	SR570548	0.331	8	SR526227	0.508
4	SR545535	0.355	9	SR513955	0.534
5	SR526224	0.386	10	SR513961	0.562

CCP RECORDS ORIGINAL
DATE REC'D 11.19.12

	Contingency Headspace Gas Random Sample Selection Listing -Lot 1- Waste Stream SR-RH-221H.01				
#	Container	Rand. Nr.	#	Container	Rand. Nr.
11	SR503513	0.588	16	SR570547	0.931
12	SR522989	0.594			
13	SR526225	0.652			
14	SR526226	0.763			
15	SR570545	0.826			

If further information is needed, I may be contacted at (303) 843-2269

LMN:jmc

Attachment

cc: NWP

J. W. Houghton ED
I. S. Joo ED

RES
R. R. Chavez ED

SR-RH-221H.01 Lot 1 Attachment
Random Selection Lot 1
Waste Stream ID: SR-RH-221H.01

Container ID:	Random #
SR570546	0.208354
SR526263	0.235539
SR570548	0.3313
SR545535	0.35524
SR526224	0.385792
SR522331	0.39807
SR526264	0.482973
SR526227	0.507617
SR513955	0.533694
SR513961	0.562071
SR503513	0.588046
SR522989	0.594197
SR526225	0.652208
SR526226	0.763185
SR570545	0.826433
SR570547	0.930148

AK34

CHARACTERIZATION INFORMATION SUMMARY

WSPF #: SR-SWMF-HET-B

Lot #: 1

TABLE OF CONTENTS

Characterization Information Cover Page..... 002

Correlation of Container Identification Numbers to Batch Data Report Numbers..... 003

CCP Headspace Gas UCL_{90} Evaluation Form..... 004

Headspace Gas Summary Data..... 006

RTR/VE Summary of Prohibited Items and AK Confirmation..... 007

Reconciliation with Data Quality Objectives..... 008

CCP Characterization Information Summary Cover Page

Waste Stream # SR-SWMF-HET-B Lot #. 1

AK Expert Review: N/A Date N/A

SPM Review: Joshua Houghton Date 6/27/2013

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Radiography (RTR/NDE):

CCP-TP-011	Rev. 16	05/02/05	CCP Radiography Inspection Operating Procedure
CCP-TP-011	Rev. 17	11/16/06	CCP Radiography Inspection Operating Procedure
CCP-TP-053	Rev. 7	10/21/09	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 8	06/29/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 9	09/30/10	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 10	03/04/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 11	07/20/11	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
CCP-TP-053	Rev. 12	08/22/12	CCP Standard Real-Time Radiography (RTR) Inspection Procedure

Headspace Gas Sampling and Analysis (HSG):

CCP-TP-093	Rev. 16	09/07/11	CCP Sampling of TRU Waste Containers
CCP-TP-093	Rev. 17	11/20/12	CCP Sampling of TRU Waste Containers
CCP-TP-106	Rev. 7	12/29/10	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-106	Rev. 8	02/04/13	CCP Headspace Gas Sampling Batch Data Report Preparation
CCP-TP-175	Rev. 3	09/02/11	CCP Analysis of Gas Samples for VOCs by GC/MS
CCP-TP-175	Rev. 2	12/29/10	CCP Analysis of Gas Samples for VOCs by GC/MS

Project Level Data Validation / DQO Reconciliation:

CCP-TP-001	Rev. 17	09/24/07	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 18	08/09/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 19	12/29/10	CCP Project Level Data Validation and Verification
CCP-TP-001	Rev. 20	09/27/12	CCP Project Level Data Validation and Verification
CCP-TP-002	Rev. 20	08/18/08	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 21	08/04/09	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 22	06/25/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 23	12/29/10	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 24	12/28/11	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-002	Rev. 25	02/11/13	CCP Reconciliation of DQOs and Reporting Characterization Data
CCP-TP-003	Rev. 16	10/02/07	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 17	11/09/09	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 18	12/29/10	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-003	Rev. 19	11/02/12	CCP Data Analysis for S3000, S4000, and S5000 Characterization
CCP-TP-005	Rev. 15	03/31/05	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 16	02/27/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 17	06/06/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 18	11/16/06	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 19	07/06/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 20	11/01/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 21	12/29/10	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 22	04/21/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 23	09/30/11	CCP Acceptable Knowledge Documentation
CCP-TP-005	Rev. 24	11/28/11	CCP Acceptable Knowledge Documentation
CCP-TP-030	Rev. 29	04/26/11	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 30	05/21/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry
CCP-TP-030	Rev. 31	11/19/12	CCP CH-TRU Waste Certification and WWIS/WDS Data Entry

WAP Certification:

CCP-PO-001	Rev. 17	09/22/09	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 18	06/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 19	12/29/10	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-001	Rev. 20	09/16/11	CCP Transuranic Waste Characterization Quality Assurance Project Plan
CCP-PO-002	Rev. 26	07/14/11	CCP Transuranic Waste Certification Plan
CCP-PO-004	Rev. 29	07/05/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 30	10/17/11	CCP/SRS Interface Document
CCP-PO-004	Rev. 31	10/01/12	CCP/SRS Interface Document
CCP-PO-004	Rev. 32	10/25/12	CCP/SRS Interface Document

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

CCP-TP-002 Rev. 25
Effective Date: 2/11/2013
CCP Reporting of DQO's and Reporting Characterization Data

Waste Stream # SR-SWMF-HET-B Lot # 1

Container ID Number	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Load Management/ Overpack Yes	Headspace Gas BDR		
							Sample	Analysis	
SR108180	SRLBC0706	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR607474	SRLBC0900	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1302	ECL13002M	N/A
SR607480	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607482	SRLBC0851	SR4RTR0291	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR607486	SRLBC0861	SRLBR0069	N/A	N/A	N/A	N/A	SRSHSG1301	ECL13001M	N/A
SR79150*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79177*	SRLBC0706	SR4RTR0257	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79178*	SRLBC0707	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79179*	SRLBC0763	SRSRTR0577	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR79182*	SRLBC0689	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92624*	SRLBC0707	SR4RTR0256	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A
SR92625*	SRLBC0689	SRSRTR0573	N/A	N/A	N/A	N/A	SRHSG1211	ECL12019M	N/A

*These containers were found to be low level waste when assayed and are no longer active in this waste stream. The HSG data is still valid for RCRA hazardous waste code determination and are included in the UCL90 calculations. They are kept on the Cross Correlation for completeness.

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CTS-003

CCP-TP-003 Rev 19
Effective Date: 11/2/12

CCP Headspace Gas UCL_{90} Evaluation Form

CCP Data Analysis for S3000, S4000, and S5000 Characterization

WSPF #: SR-SWMF-HET-B **Waste Stream Headspace Gas Lot** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
Acetone	Log	12	12	4.79	1.64	2.02	2.43	100.00	4.61		
Benzene	Log	5	12	1.56	-1.10	1.45	-0.52	10.00	2.30		
Bromoform	Log	0	12	0.22	-3.17	1.58	-2.55	10.00	2.30		
Butanol	Log	6	12	2.12	-0.47	2.06	0.34	100.00	4.61		
Carbon Disulfide[a]	SQRT	1	11	0.95	0.46	0.27	0.57	10.00	3.16		
Carbon Tetrachloride	Log	0	12	0.85	-2.53	1.58	-1.91	10.00	2.30		
Chlorobenzene	Log	0	12	1.19	-2.23	1.61	-1.59	10.00	2.30		
Chloroform	Log	0	12	1.13	-2.23	1.56	-1.62	10.00	2.30		
Chloromethane[a]	SQRT	0	11	0.97	0.47	0.28	0.59	10.00	3.16		
Cyclohexane[a]	Log	3	12	1.49	-1.46	1.48	-0.88	10.00	2.30		
1,1-Dichloroethane	Log	0	12	1.41	-1.97	1.59	-1.35	10.00	2.30		
1,2-Dichloroethane	Log	0	12	1.42	-1.98	1.60	-1.35	10.00	2.30		
1,1-Dichloroethylene	Log	0	12	1.48	-1.94	1.62	-1.30	10.00	2.30		
cis-1,2-Dichloroethylene[a]	Log	0	12	1.56	-1.89	1.64	-1.24	10.00	2.30		
trans-1,2-Dichloroethylene	Log	0	12	1.49	-1.93	1.63	-1.29	10.00	2.30		
1,2-Dichloropropane[c]	Log	0	12	1.25	-2.16	1.61	-1.53	10.00	2.30		
Ethyl benzene	Log	6	12	5.01	-0.31	3.53	1.08	10.00	2.30		
Ethyl Ether	SQRT	0	11	0.92	0.43	0.27	0.54	10.00	3.16		
Methanol	Log	6	12	5.48	0.68	1.91	1.43	100.00	4.61		
Methyl Ethyl Ketone	Log	1	12	1.70	-1.64	1.56	-1.03	100.00	4.61		
Methyl Isobutyl Ketone	Log	1	12	1.35	-1.98	1.56	-1.36	100.00	4.61		
Methylene Chloride	Log	0	12	1.61	-1.80	1.62	-1.16	10.00	2.30		
1,1,2,2-Tetrachloroethane	Log	0	12	0.83	-2.60	1.62	-1.96	10.00	2.30		
Tetrachloroethylene	Log	1	12	1.05	-2.35	1.62	-1.71	10.00	2.30		
Toluene	Log	8	12	3.04	-0.04	2.00	0.74	10.00	2.30		
1,1,1-Trichloroethane	Log	1	12	0.94	-2.04	1.74	-1.35	10.00	2.30		
Trichloroethylene	Log	4	12	1.10	-1.94	1.68	-1.28	10.00	2.30		
Trichlorofluoromethane[a]	Log	0	12	1.06	-2.33	1.59	-1.70	10.00	2.30		

CES-004

CCP-TP-003 Rev 19
Effective Date: 11/2/12

CCP Headspace Gas UCL_{90} Evaluation Form

CCP Data Analysis for S3000, S4000, and S5000 Characterization

WSPF #: SR-SWMF-HET-B **Waste Stream Headspace Gas Lot** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (3)	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (ppmv)	UCL_{90} > PRQL Yes	EPA Code
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	12	0.77	-2.62	1.58	-2.00	10.00	2.30		
1,3,5-Trimethylbenzene[a]	Log	0	12	1.03	-2.36	1.59	-1.73	10.00	2.30		
1,2,4-Trimethylbenzene[a]	Log	0	12	1.10	-2.33	1.62	-1.69	10.00	2.30		
m/p-Xylene[b]	Log	8	12	6.38	0.70	4.18	2.34	10.00	2.30	Yes	(2)
o-Xylene	SQRT	8	12	13.42	3.54	4.20	5.19	10.00	3.16	Yes	(2)
Formaldehyde[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hydrazine[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

[a] These compounds are from CCP-PO-003, CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC) and are flammable VOCs that do not appear in CCP-PO-001. These are not part of the target analyte list, but samples may be analyzed for these compounds.

[b] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

[c] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[d] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[e] The noted analytes are not included in the target analyte list Table C3-2 of HWFP Attachment C3. The analytes are reported in the analysis Batch Data Report provided by the Idaho lab and included on the UCL90 for completeness.

CH5-005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Per AK - Several F003-listed solvents were identified in the facilities where the spills originated. However, F003-listed solvents are listed solely for ignitability, and this waste stream does not exhibit the characteristic of ignitability because the solvents are not in liquid form. Therefore, waste stream SR-SWMF-HET-B is not an F003-listed hazardous waste.

(3) Due to dilution requirements, 1 of the 12 samples for Carbon Disulfide, Chloromethane, and Ethyl Ether were reported as non detected with an MDL value in excess of the PRQL. In accordance with the Waste Analysis Plan, Section C4-3e such observations with elevated MDL values due to dilution were not used in calculating the mean concentration. Consequently, the subject analytes were evaluated with 11, rather than 12, usable observations.

Note:

This UCL_{90} page was generated in compliance with CCP-TP-003. Although the the Facility Permit no longer requires Headspace Gas sampling and analysis, the reporting of the results is required by our procedures.

Signature of Site Project Manager

Joshua Houghton
Printed Name

6/27/2013
Date

CCP Headspace Gas Summary Data

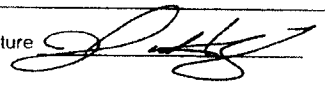
Waste Stream # SR-SWMF-HET-B Lot Number (s) 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
2-Ethoxyethanol	510.00	6.00	50.00%
2-Nitropropane	14.00	1.00	8.33%
1,4-Dioxane	0.50	1.00	8.33%

Note - 2-Ethoxyethanol was present in over 25% of the samples. 2-Ethoxyethanol will be added to the target analyte list for any additional containers that require sampling from this waste stream. 2-Ethoxyethanol carries a Hazardous Waste Number (HWN) of F005. Per SRS-12-DR006, HWN F005 was not added to this constituent due to all containers with detectable concentrations of 2-Ethoxyethanol have been removed from the waste stream.

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature  Date 6/27/2013

CIS-006

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this lot had prohibited items identified during RTR.	VE was not used to certify any containers in this Lot.

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).

Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste was previously packaged and RTR meets all the Data Quality Objectives for NDE for the waste.

Site Project Manager Signature | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

Sampling Completeness:

NDE
Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

NDA
Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is 100%)

HSG (Random Sampling Lot 1)
Number of Valid Samples: 12 Number of Total Samples Collected: 12
Percent Complete: 100 (QAO is ≥90%)
Number of Valid Samples: 12 Number of Total Samples Analyzed: 12
Percent Complete: 100 (QAO is ≥90%)

Total VOC
Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total SVOC
Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

Total Metals
Number of Valid Samples: NA Number of Total Samples Collected: NA
Percent Complete: NA (QAO is ≥90%)
Number of Valid Samples: NA Number of Total Samples Analyzed: NA
Percent Complete: NA (QAO is ≥90%)

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

	Y/N/NA	Reconciliation Parameter
1	Y	Waste Matrix Code.
2	Y	Waste Material Parameter Weights.
3	Y	The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4	Y	The TRU activity reported in the BDRs for each container demonstrates with a 95% probability that the container of waste contains TRU radioactive waste.
5	N	AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6	Y	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each VOC in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003 Attachment 3, and additional U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers were assigned as required. Samples were randomly collected (when appropriate).
7a	NA	Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for solids VOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for solids SVOCs were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 5, and additional EPA HW Numbers were assigned as required. Samples were randomly collected.
7c	NA	Mean concentrations, (UCL_{90}) values for the mean concentration, standard deviations, and the number of samples collected for total metals were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the Characterization Information Summary, CCP-TP-003 Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

CCP Reconciliation with Data Quality Objectives

Waste Stream #: SR-SWMF-HET-B Lot #: 1

8	Y	The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 Code of Federal Regulations (CFR), Part 261, Identification and Listing of Hazardous Waste, Subpart C, Characteristics of Hazardous Waste.
9	Y	Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, Lists of Hazardous Wastes.
10	Y	Waste stream can be classified as hazardous or nonhazardous at the 90-percent confidence level.
11	Y	Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the headspace gas sampling documentation, and the drum age met prior to sampling.
12	Y	TICs were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.
13	Y	The PRQLs for headspace gas VOCs were met for all analyses as evidenced by the analytical batch data reports.
14		The overall completeness, comparability, and representativeness QAOs were met for each of the analytical and testing procedures as specified in the WAP Sections C3-2 through C3-9 prior to submittal of a waste stream profile form for a waste steam or waste stream lot.

	Completeness	Comparability	Representativeness
Radiography	Y	Y	Y
VE	NA	NA	NA
Headspace Gas Analysis	Y	Y	Y
Solids Sampling	NA	NA	NA
Solids VOCs	NA	NA	NA
Solids SVOCs	NA	NA	NA
Solids Metals	NA	NA	NA

Signature of Site Project Manager | Joshua Houghton (Printed Name) | 6/27/2013 (Date)

CIS-010

Washington
TRU Solutions LLC

CP:09:01475
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: November 18, 2009

FROM: T. R. Gatliffe LOCATION: Certification

TO: CCP Records Custodian GSA-103 LOCATION: Retrieval, Characterization & Transportation

SUBJECT: SUBSEQUENT SOLIDS RANDOM SAMPLE SELECTION CANDIDATE MEMORANDUM FOR LOT 2 OF CONTAINERS OF MOUND SITE SOIL WASTE, WASTE STREAM SR-MD-SOIL, BEING CHARACTERIZED BY THE CENTRAL CHARACTERIZATION PROJECT AT THE SAVANNAH RIVER SITE

Per *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*, procedure CCP-TP-162, the accompanying file enclosure provides the Subsequent Solids Random Selection Candidate Listing for Random Selection (RS) Lot 2 of waste stream SR-MD-SOIL being characterized by the Central Characterization Project at the Savannah River Site. This second lot consists of 27 containers that had been identified as of October 26, 2009, but not included in the random selection for Random Selection Lot 1, plus 40 additional indeterminate container identifiers, denoted "MD-Soil-TBD-01" through "MD-Soil-TBD-40", to be used as additional containers are identified for this waste stream, for a maximum total of 67 containers in this Random Selection Lot.

The five containers specifically identified for the sample to be used for the required resolution of Environmental Protection Agency hazardous waste number assignment and ten contingency container listings selected for the sample if the calculated required sample size exceeds the five primary selections or any of the primary selections fail to qualify for sampling for this waste stream are identified below and in the accompanying file attachment. A file identifying the current selections will be maintained and posted in the "Random Sort Lots" folder on the ftp site, ftp//q.wipp.ws. The attachment also lists all containers within the lot and the correlation of randomly selected numbers with each Container ID number or indeterminate container identifier number.

ORIGINAL

Solids Random Sample Selection and Contingency Listing – Lot 2 – Waste Stream SR-MD-SOIL					
Sample Selection					
#	**TBD and/or Container**	**Rand #**	**#**	**TBD and/or Container**	**Rand #**
1	MDL0504556	0.0075177	4	MD-Soil-TBD-20	0.0275835
2	MD-Soil-TBD-22	0.0131228	5	MDL0506656	0.0560449
3	MDL504586B	0.0226064			
Contingency Selection					
#	**TBD and/or Container**	**Rand #**	**#**	**TBD and/or Container**	**Rand #**
6	MD-Soil-TBD-07	0.0646055	11	MD-Soil-TBD-17	0.1184055
7	MDL0506103	0.0995874	12	MDL0504586	0.1239887
8	MD-Soil-TBD-33	0.1049603	13	MD-Soil-TBD-29	0.1580944
9	MD-Soil-TBD-02	0.1060176	14	MD-Soil-TBD-24	0.1853883
10	MD-Soil-TBD-14	0.1088943	15	MD-Soil-TBD-23	0.1961463

If further information is needed, I may be contacted at Extension 7563.

TRG:jmc

Attachment

cc: WTS
A. M. Cantu ED
K. Day ED
M. Pearcy ED
C. E. Simmons ED
C. Weston ED

WRES
R. R. Chavez ED

NFT/SRS
B. Fussell ED

Attachment
CP:09:01475

Solids Random Sample Selection Listing

Waste Stream: SR-MD-SOIL **Random Selection Lot: 2** **Site: Savannah River**

Headspace Gas Random Sample Selection Listing

	Container ID	Rand. Nr.		Container ID	Rand. Nr.
(1)	MDL0504556	0.0075177	(4)	MD-Soil-TBD-20	0.0275835
(2)	MD-Soil-TBD-22	0.0131228	(5)	MDL0506656	0.0560449
(3)	MDL504586B	0.0226064			

Contingency Selections as Needed

(6)	MD-Soil-TBD-07	0.0646055	(11)	MD-Soil-TBD-17	0.1184055
(7)	MDL0506103	0.0995874	(12)	MDL0504586	0.1239887
(8)	MD-Soil-TBD-33	0.1049603	(13)	MD-Soil-TBD-29	0.1580944
(9)	MD-Soil-TBD-02	0.1060176	(14)	MD-Soil-TBD-24	0.1853883
(10)	MD-Soil-TBD-14	0.1088943	(15)	MD-Soil-TBD-23	0.1961463

All Containers and TBD Placeholders - RS Lot 2 Population Listing

	Container ID	Rand. Nr.		Container ID	Rand. Nr.
1	MDL0502413	0.4583306	35	MD-Soil-TBD-08	0.9888971
2	MDL0502426	0.9046158	36	MD-Soil-TBD-09	0.8245032
3	MDL0503949	0.9717246	37	MD-Soil-TBD-10	0.8378392
4	MDL0504373	0.3165089	38	MD-Soil-TBD-11	0.4143526
5	MDL0504392	0.5988805	39	MD-Soil-TBD-12	0.4757759
6	MDL0504556	0.0075177	40	MD-Soil-TBD-13	0.1963102
7	MDL0504586	0.1239887	41	MD-Soil-TBD-14	0.1088943
8	MDL0506103	0.0995874	42	MD-Soil-TBD-15	0.3230582
9	MDL0506105	0.3833880	43	MD-Soil-TBD-16	0.7938233
10	MDL0506109	0.7402490	44	MD-Soil-TBD-17	0.1184055
11	MDL0506112	0.5743756	45	MD-Soil-TBD-18	0.3473287
12	MDL0506581	0.8621324	46	MD-Soil-TBD-19	0.3956201
13	MDL0506637	0.6533737	47	MD-Soil-TBD-20	0.0275835
14	MDL0506656	0.0560449	48	MD-Soil-TBD-21	0.9141550
15	MDL0506666	0.4807854	49	MD-Soil-TBD-22	0.0131228
16	MDL0506679	0.9919308	50	MD-Soil-TBD-23	0.1961463
17	MDL0506689	0.5963278	51	MD-Soil-TBD-24	0.1853883
18	MDL054462	0.5751876	52	MD-Soil-TBD-25	0.4886899
19	MDL502413A	0.3955891	53	MD-Soil-TBD-26	0.4850031
20	MDL504392A	0.7938244	54	MD-Soil-TBD-27	0.7019090
21	MDL504586A	0.5456987	55	MD-Soil-TBD-28	0.5532398
22	MDL504586B	0.0226064	56	MD-Soil-TBD-29	0.1580944
23	MDL506105A	0.8971255	57	MD-Soil-TBD-30	0.3329516
24	MDL506112A	0.4725349	58	MD-Soil-TBD-31	0.7834506
25	MDL506637A	0.3717614	59	MD-Soil-TBD-32	0.6975223
26	MDL506666A	0.7125898	60	MD-Soil-TBD-33	0.1049603
27	MDL506679A	0.2268190	61	MD-Soil-TBD-34	0.4985451
28	MD-Soil-TBD-01	0.9407549	62	MD-Soil-TBD-35	0.8260449
29	MD-Soil-TBD-02	0.1060176	63	MD-Soil-TBD-36	0.4911403
30	MD-Soil-TBD-03	0.8703289	64	MD-Soil-TBD-37	0.6002995
31	MD-Soil-TBD-04	0.3625413	65	MD-Soil-TBD-38	0.5700305
32	MD-Soil-TBD-05	0.2983785	66	MD-Soil-TBD-39	0.9504173
33	MD-Soil-TBD-06	0.8204461	67	MD-Soil-TBD-40	0.2353433
34	MD-Soil-TBD-07	0.0646055			

AK36

NWP
Nuclear Waste Partnership LLC
A URS-led partnership with B&W and AREVA

CP:13:01358
UFC:5900.00

INTER-OFFICE CORRESPONDENCE

DATE: August 9, 2013

FROM: R. P. Kantrowitz R.P.K. LOCATION: CCP Certification

TO: NTPC Records Custodian GSA-212 LOCATION: National TRU Program Certification

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE SOLIDS SAMPLING SUMMARY RESULTS FOR LOT 1 WASTE STREAM #SR-W027-321M-HOM

Please accept the attached Savannah River Site Solids Sampling Summary Results for Lot 1 to be placed in Records for Waste Stream #SR-W027-321M-HOM.

RPK:jmc

Attachment

cc: (without attachment)
J. Houghton ED
R. W. Lee ED
M. W. Pearcy ED

NTPC RECORDS ORIGINAL
DATE REC'D 08/26/2013

P.O. Box 2078 • Carlsbad, New Mexico USA 88221-2078
Phone: (575) 234-7200 • Fax: (575) 234-7083

SOLIDS SUMMARY DATA REPORT

WSPF # SR-W027-321M-HOM

Lot 1

TABLE OF CONTENTS

CCP Correlation of Container ID Numbers to Solid Sample ID Numbers..... 002

CCP Solids Analysis VOC UCL90 Evaluation Form..... 003

CCP Solids Analysis SVOC UCL90 Evaluation Form..... 004

CCP Solids Analysis Metals UCL90 Evaluation Form..... 005

CCP Data Evaluation Narrative/Statistics Package (VOC) Lots
1 through 1 006

CCP Data Evaluation Narrative/Statistics Package (SVOC) Lots
1 through 1 010

CCP Data Evaluation Narrative/Statistics Package (Metals) Lots
1 through 1 012

CCP Waste Stream Lot Solids Tentatively Identified Compounds..... 015

CCP Waste Stream Solids Tentatively Identified Compounds..... 016

CCP Site Project Manager Data Evaluation Narrative..... 017

CCP Correlation of Container ID Numbers to Solids Sample ID Numbers

Solids BDR Number: See Below

WSPF Number: SR-W027-321M-HOM

Lot 1

Container ID Number	Sample BDR	VOC Analysis BDR	VOC Analysis Sample ID	SVOC Analysis BDR	SVOC Analysis Sample ID	Non-Halogenated Analysis BDR	Sample ID Non-Halogenated	Hydrazine Analysis BDR	Sample ID Hydrazine	Formaldehyde Analysis BDR	Sample ID Formaldehyde	Metals Analysis BDR	Metals Analysis Sample ID	AMWTP Container ID
SR500174	SSG12-00007	ALD12030V	10467818	ALD12030S	10467841	ALD12030N	10467820	ALD12030H	10467836	ALD12030F	10467837	ALD12030M	10467841	10461597
SR500174 #2	SSG12-00007	ALD12030V	10468120	ALD12030S	10468126	ALD12030N	10468121	ALD12030H	10468122	ALD12030F	10468123	ALD12030M	10468126	10461597
SR500174 #3	SSG12-00007	ALD12030V	10468128	ALD12030S	10468134	ALD12030N	10468129	ALD12030H	10468130	ALD12030F	10468131	ALD12030M	10468134	10461597
SR500174 #4	SSG12-00007	ALD12030V	10468136	ALD12030S	10468152	ALD12030N	10468137	ALD12030H	10468138	ALD12030F	10468143	ALD12030M	10468152	10461597
SR500174 #5	SSG12-00007	ALD12030V	10468158	ALD12030S	10468164	ALD12030N	10468159	ALD12030H	10468160	ALD12030F	10468161	ALD12030M	10468164	10461597

Use multiple copies of this attachment as necessary to document all containers discussed in this summary report. Record Waste Stream Profile Form Number and Waste Stream Lot Number on each sheet issued. Number each sheet in the space provided.

Site Project Manager (or designee):

Signature

Richard Kantrowitz
Print Name

4/15/2013
Date

Solids-002

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	5	5	4.4000	3.4600	1.1929	4.2779	10.0	N/A		
Bromoform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Disulfide	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Tetrachloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Chlorobenzene	No	0	5	0.0900	0.0880	0.0027	0.0899	10.0	N/A		
Chloroform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,2-Dichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Ethyl Benzene	No	5	5	4.2000	3.4600	0.8792	4.0628	10.0	N/A		
Methylene Chloride	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
m,p-Xylene[a]	No	5	5	2.6000	2.1600	0.5128	2.5116	10.0	N/A		
o-Xylene	No	5	5	4.6000	3.8000	0.9670	4.4630	10.0	N/A		
1,1,2,2-Tetrachloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Tetrachloroethylene	No	4	5	0.8400	0.6570	0.3240	0.8792	10.0	N/A		
Toluene	No	5	5	10.0000	8.3800	2.2521	9.9242	10.0	N/A		
Trans-1,2-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,1-Trichloroethane	No	3	5	0.5300	0.3630	0.1724	0.4812	10.0	N/A		
Trichloroethylene	No	5	5	20.0000	16.4400	4.8957	19.7968	10.0	N/A	Yes	F002
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,2-Trichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Trichlorofluoromethane	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
Vinyl Chloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	4.0	1.3863		
Acetone	Log	4	5 (3)	3.7136	2.9692	0.5138	3.3900	100	4.6052		
Butanol	Log	4	5 (3)	3.4340	2.9825	0.3048	3.2321	100	4.6052		
Methanol	Log	0	5	3.8918	1.1154	1.5525	2.1799	100	4.6052		
Methyl ethyl ketone	Log	4	5 (3)	3.0445	2.7749	0.1827	2.9245	100	4.6052		
Ethyl ether	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Isobutanol	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Pyridine	Log	1	5 (3)	2.8904	1.2604	1.0874	2.1508	100	4.6052		
Formaldehyde	No	0	5	1.0000	1.0000	0.0000	1.0000	100	N/A		
Hydrazine	No	0	5	1.5000	1.4700	0.0274	1.4888	100	N/A		

[a] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."

Solids 003

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

CCP Data Analysis for S3000, S4000, and S5000 Characterization

WSPF #: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
1,2-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
1,4-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2,4-Dinitrophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
2,4-Dinitrotoluene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachlorobenzene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachloroethane	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2-Methylphenol (o-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
3&4-Methylphenol (m&p-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
Nitrobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
Pentachlorophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		

Solids 004

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) Due to dilution requirements, four samples had non-detected results that exceeded the PRQL. Consequently, the UCL_{90} was set to the maximum result and the non-transformed data set was automatically chosen.

(4) Due to dilution requirements, one sample had a non-detected result that exceeded the PRQL. Consequently, four data points were used in the calculations.

(5) All sample results were non-detects that exceeded the PRQL. With no usable data, no UCL_{90} could be calculated. No EPA HWN is assigned as 2,4-Dinitrotoluene and Hexachlorobenzene are not listed in the AK.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/15/2013
Date

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSI SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg) (2)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
Antimony	Log	2	5	-0.03	-0.97	0.61	-0.55	100	5		
Arsenic	Log	0	5	-0.80	-0.80	0.00	-0.80	100	5		
Barium	Log	5	5	5.08	4.71	0.24	4.88	2000	8		
Beryllium	No	5	5	3.60	3.34	0.24	3.51	100	N/A		
Cadmium	Log	5	5	0.18	-0.62	0.63	-0.19	20	3		
Chromium	SQRT	5	5	8.83	7.22	1.12	7.99	100	10		
Lead	No	5	5	380.00	138.24	182.41	263.32	100	N/A	Yes	D008
Mercury	SQRT	4	5	0.18	0.13	0.04	0.15	4	2		
Nickel	Log	5	5	3.47	2.96	0.30	3.16	100	4.61		
Selenium	Log	1	5	0.34	-0.49	0.46	-0.17	20	3		
Silver	Log	1	5	-1.17	-2.63	0.82	-2.07	100	5		
Thallium	No	0	5	0.30	0.30	0.00	0.30	100	N/A		
Vanadium	No	5	5	56.00	48.00	7.65	53.24	100	N/A		
Zinc	Log	5	5	4.70	4.29	0.27	4.48	100	4.61		

Solids 005

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) No varience in data was found for Thallium, due to all non detect data points. The maximum value is used as the UCL_{90}.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/15/2013
Date

CCP VOC Data Evaluation Narrative

WSPF Number: SR-W027-321M-HOM Solids Summary Number: 1

A statistical evaluation of 5 analyses for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for VOC Solids Analysis.

The non-transformed data was compared to the non-transformed PRQL limits and none of the compounds exceeded its limit.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ MDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or non transformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices. All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

The data for Benzene, Chlorobenzene, Ethylbenzene, Methylene Chloride, m/p-Xylene, o-Xylene, Tetrachloroethene, Toluene, 1,1,1-Trichloroethane, Trichloroethene, Trichlorofluoromethane, Formaldehyde, and Hydrazine were used without transformation. All other compounds were used with transformation.

Summary

In summary, the following analytes demonstrated conditions of normality in the indicated data sets:

Benzene – non and sq root transform data sets
Bromoform – non, log, and sq root transform data sets
Carbon disulfide – non, log, and sq root transform data sets
Carbon tetrachloride – non, log, and sq root transform data sets
Chloroform – non, log, and sq root transform data sets
1,1-Dichloroethylene – non, log, and sq root transform data sets
1,2-Dichloroethane – non, log, and sq root transform data sets
Ethyl benzene – non, log, and sq root transform data sets
Methylene chloride – non, log, and sq root transform data sets
m,p-Xylene – non, log, and sq root transform data sets
o-Xylene – non, log, and sq root transform data sets
1,1,2,2-Tetrachloroethane – non, log, and sq root transform data sets
Toluene - non transform data set
trans-1,2-Dichloroethene – non, log, and sq root transform data sets
1,1,1-Trichloroethane – non, log, and sq root transform data sets
Trichloroethene - non and sq root data sets
1,1,2-Trichloro-1,2,2-trifluoromethane – non, log, and sq root transform data sets
1,1,2-Trichloroethane – non, log, and sq root transform data sets
Trichloroflouromethane - non, log, and sq root data sets
Vinyl chloride – non, log, and sq root transform data sets
Acetone – non, log, and sq root transform data sets
Butanol – log transform data set
Methyl ethyl ketone– log and sq root transform data sets
Ethyl ether – non, log, and sq root transform data sets
Isobutanol – non, log, and sq root transform data sets
Formaldehyde – non, log, and sq root transform data sets

Approved By:

Signature

Richard Kantrowitz
Printed Name

4/15/2013
Date

Solids 006

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
Methanol Non-Transform	5	49.00000	11.02000	21.23154	25.57784	100	0.55477	0.00014
Methanol Log-Transform	5	3.89182	1.11542	1.55249	2.17992	4.60517	0.57540	0.00029
Methanol Sqrt-Transform	5	7.00000	2.38776	2.57842	4.15571	10	0.56082	0.00018
Methyl ethyl ketone Non-Transform	4	21.00000	16.25000	3.20156	18.87167	100	0.75266	0.04089
Methyl ethyl ketone Log-Transform	4	3.04452	2.77492	0.18265	2.92449	4.60517	0.77585	0.06549
Methyl ethyl ketone Sqrt-Transform	4	4.58258	4.01755	0.38174	4.33014	10	0.76402	0.05180
Ethyl ether Non-Transform	4	2.15000	2.03750	0.08539	2.10742	100	0.97137	0.84997
Ethyl ether Log-Transform	4	0.76547	0.71107	0.04162	0.74515	4.60517	0.97595	0.87789
Ethyl ether Sqrt-Transform	4	1.46629	1.42718	0.02980	1.45158	10	0.97371	0.86428
Isobutanol Non-Transform	4	2.15000	2.03750	0.08539	2.10742	100	0.97137	0.84997
Isobutanol Log-Transform	4	0.76547	0.71107	0.04162	0.74515	4.60517	0.97595	0.87789
Isobutanol Sqrt-Transform	4	1.46629	1.42718	0.02980	1.45158	10	0.97371	0.86428
Pyridine Non-Transform	4	18.00000	6.03750	7.97542	12.56835	100	0.63956	0.00178
Pyridine Log-Transform	4	2.89037	1.26038	1.08739	2.15081	4.60517	0.66458	0.00414
Pyridine Sqrt-Transform	4	4.24264	2.13428	1.40586	3.28550	10	0.64912	0.00249
Formaldehyde Non-Transform	5	1.00000	1.00000	0.00000	1.00000	100	1.00000	1.00000
Formaldehyde Log-Transform	5	0.00000	0.00000	0.00000	0.00000	4.60517	1.00000	1.00000
Formaldehyde Sqrt-Transform	5	1.00000	1.00000	0.00000	1.00000	10	1.00000	1.00000
Hydrazine Non-Transform	5	1.50000	1.47000	0.02739	1.48878	100	0.68403	0.00647
Hydrazine Log-Transform	5	0.40547	0.38512	0.01857	0.39786	4.60517	0.68403	0.00647
Hydrazine Sqrt-Transform	5	1.22474	1.21239	0.01128	1.22012	10	0.68403	0.00647

Solids 007

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

Waste Stream Number: SR-W027-321M-HOM
Site: Savannah River Site
Lot Number: 1
Number of Drums: 1 (sampled five times)
Preparation Date: 01/16/13

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
Benzene Non-Transform	5	4.40000	3.46000	1.19290	4.27793	10	0.84488	0.17886
Benzene Log-Transform	5	1.48160	1.17396	0.44759	1.48086	2.302585	0.77204	0.04702
Benzene Sqrt-Transform	5	2.09762	1.83194	0.36054	2.07916	3.162278	0.80976	0.09709
Bromoform Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
Bromoform Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
Bromoform Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Carbon Disulfide Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
Carbon Disulfide Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
Carbon Disulfide Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Carbon Tetrachloride Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
Carbon Tetrachloride Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
Carbon Tetrachloride Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Chlorobenzene Non-Transform	5	0.09000	0.08800	0.00274	0.08988	10	0.68403	0.00647
Chlorobenzene Log-Transform	5	-2.40795	-2.43081	0.03131	-2.40934	2.302585	0.68403	0.00647
Chlorobenzene Sqrt-Transform	5	0.30000	0.29662	0.00463	0.29979	3.162278	0.68403	0.00647
Chloroform Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
Chloroform Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
Chloroform Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
1,1-Dichloroethylene Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
1,1-Dichloroethylene Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
1,1-Dichloroethylene Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
1,2-Dichloroethane Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
1,2-Dichloroethane Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
1,2-Dichloroethane Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Ethylbenzene Non-Transform	5	4.20000	3.46000	0.87920	4.06284	10	0.83528	0.15215
Ethylbenzene Log-Transform	5	1.43508	1.20882	0.30151	1.41556	2.302585	0.78253	0.05794
Ethylbenzene Sqrt-Transform	5	2.04939	1.84598	0.25587	2.02142	3.162278	0.80929	0.09626
Methylene Chloride Non-Transform	5	0.27500	0.26400	0.00894	0.27013	10	0.89392	0.37722
Methylene Chloride Log-Transform	5	-1.29098	-1.33227	0.03388	-1.30904	2.302585	0.89168	0.36560
Methylene Chloride Sqrt-Transform	5	0.52440	0.51375	0.00870	0.51972	3.162278	0.89282	0.37147
m/p-Xylene Non-Transform	5	2.60000	2.16000	0.51284	2.51164	10	0.83357	0.14792
m/p-Xylene Log-Transform	5	0.95551	0.74215	0.27896	0.93342	2.302585	0.78059	0.05577
m/p-Xylene Sqrt-Transform	5	1.61245	1.46003	0.18812	1.58902	3.162278	0.80725	0.09272

Solids 008

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
o-Xylene Non-Transform	5	4.60000	3.80000	0.96695	4.46301	10	0.83209	0.14421
o-Xylene Log-Transform	5	1.52606	1.30254	0.30142	1.50921	2.302585	0.78206	0.05740
o-Xylene Sqrt-Transform	5	2.14476	1.93453	0.26830	2.11850	3.162278	0.80756	0.09326
1,1,2,2-Tetrachloroethane Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
1,1,2,2-Tetrachloroethane Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
1,1,2,2-Tetrachloroethane Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Tetrachloroethene Non-Transform	5	0.84000	0.65700	0.32403	0.87918	10	0.67078	0.00462
Tetrachloroethene Log-Transform	5	-0.17435	-0.67335	1.00394	0.01503	2.302585	0.60380	0.00070
Tetrachloroethene Sqrt-Transform	5	0.91652	0.77345	0.27104	0.95930	3.162278	0.63476	0.00175
Toluene Non-Transform	5	10.00000	8.38000	2.25211	9.92421	10	0.78839	0.06495
Toluene Log-Transform	5	2.30259	2.08839	0.32634	2.31216	2.302585	0.74306	0.02563
Toluene Sqrt-Transform	5	3.16228	2.86967	0.42575	3.16159	3.162278	0.76616	0.04172
Trans-1,2-Dichloroethene Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
Trans-1,2-Dichloroethene Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
Trans-1,2-Dichloroethene Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
1,1,1-Trichloroethane Non-Transform	5	0.53000	0.36300	0.17239	0.48121	10	0.82349	0.12421
1,1,1-Trichloroethane Log-Transform	5	-0.63488	-1.12571	0.55609	-0.74442	2.302585	0.79371	0.07193
1,1,1-Trichloroethane Sqrt-Transform	5	0.72801	0.58675	0.15298	0.69164	3.162278	0.80770	0.09349
Trichloroethene Non-Transform	5	20.00000	16.44000	4.89571	19.79685	10	0.80925	0.09618
Trichloroethene Log-Transform	5	2.99573	2.75171	0.37353	3.00783	2.302585	0.74877	0.02899
Trichloroethene Sqrt-Transform	5	4.47214	4.01010	0.67001	4.46950	3.162278	0.77946	0.05454
1,1,2-Trichloro-1,2,2-trifluoroethane Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
1,1,2-Trichloro-1,2,2-trifluoroethane Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
1,1,2-Trichloro-1,2,2-trifluoroethane Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
1,1,2-Trichloroethane Non-Transform	5	0.18500	0.17600	0.00652	0.18047	10	0.90202	0.42115
1,1,2-Trichloroethane Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	2.302585	0.90239	0.42324
1,1,2-Trichloroethane Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	3.162278	0.90223	0.42235
Trichlorofluoromethane Non-Transform	5	0.27500	0.26400	0.00894	0.27013	10	0.89392	0.37722
Trichlorofluoromethane Log-Transform	5	-1.29098	-1.33227	0.03388	-1.30904	2.302585	0.89168	0.36560
Trichlorofluoromethane Sqrt-Transform	5	0.52440	0.51375	0.00870	0.51972	3.162278	0.89282	0.37147
Vinyl Chloride Non-Transform	5	0.18500	0.17600	0.00652	0.18047	4	0.90202	0.42115
Vinyl Chloride Log-Transform	5	-1.68740	-1.73782	0.03684	-1.71255	1.386294	0.90239	0.42324
Vinyl Chloride Sqrt-Transform	5	0.43012	0.41947	0.00775	0.42478	2	0.90223	0.42235
Acetone Non-Transform	4	41.00000	21.75000	12.99679	32.39271	100	0.76914	0.05742
Acetone Log-Transform	4	3.71357	2.96924	0.51378	3.38996	4.60517	0.84852	0.22141
Acetone Sqrt-Transform	4	6.40312	4.53107	1.27507	5.57520	10	0.80716	0.11570
Butanol Non-Transform	4	31.00000	20.50000	7.04746	26.27097	100	0.73646	0.02861
Butanol Log-Transform	4	3.43399	2.98254	0.30478	3.23212	4.60517	0.77277	0.06168
Butanol Sqrt-Transform	4	5.56776	4.48338	0.72968	5.08089	10	0.75389	0.04197

Solids 009

CCP SVOC Data Evaluation Narrative

WSPF Number: SR-W027-321M-HOM Solids Summary Number: 1

A statistical evaluation of 5 analyses for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for SVOC Solids Analysis.

The non-transformed data was compared to the non-transformed PRQL no limits were exceeded.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ MDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or non transformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices. All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

The data for all the compounds was used without transformation.

All sample results for 2,4-Dinitrotoluene and Hexachlorobenzene were non-detects that exceeded the PRQL. With no usable data, no UCL_{90} could be calculated.

Summary

In summary, the following analytes demonstrated conditions of normality in the indicated data sets:

1,2-Dichlorobenzene – non, log, and sq root transform data sets
1,4-Dichlorobenzene – non, log, and sq root transform data sets
2,4-Dinitrophenol – non and sq root transform data sets
Hexachloroethane – non, log, and sq root transform data sets
2-Methylphenol – non and sq root transform data sets
3&4-Methylphenol – non and sq root transform data sets
Nitrobenzene – non, log, and sq root transform data sets
Pentachlorophenol – non and sq root transform data sets

Approved By:

Signature

Richard Kantrowitz
Printed Name

4/15/2013
Date

Solids 010

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

Waste Stream Number: SR-W027-321M-HOM
Site: Savannah River Site
Lot Number: 1
Number of Drums: 1 (sampled five times)
Preparation Date: 01/16/13

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
1,2-Dichlorobenzene Non-Transform	1	12.00000	12.00000	0.00000	12.00000	40	1.00000	1.00000
1,2-Dichlorobenzene Log-Transform	1	2.48491	2.48491	0.00000	2.48491	3.68888	1.00000	1.00000
1,2-Dichlorobenzene Sqrt-Transform	1	3.46410	3.46410	0.00000	3.46410	6.32456	1.00000	1.00000
1,4-Dichlorobenzene Non-Transform	1	12.00000	12.00000	0.00000	12.00000	40	1.00000	1.00000
1,4-Dichlorobenzene Log-Transform	1	2.48491	2.48491	0.00000	2.48491	3.68888	1.00000	1.00000
1,4-Dichlorobenzene Sqrt-Transform	1	3.46410	3.46410	0.00000	3.46410	6.32456	1.00000	1.00000
2,4-Dinitrophenol Non-Transform	4	20.00000	15.50000	6.60808	20.91117	40	0.80781	0.11698
2,4-Dinitrophenol Log-Transform	4	2.99573	2.63895	0.57451	3.10940	3.68888	0.75489	0.04287
2,4-Dinitrophenol Sqrt-Transform	4	4.47214	3.84844	0.95882	4.63359	6.32456	0.78203	0.07371
2,4-Dinitrotoluene Non-Transform	0	0.00000	0.00000	0.00000	0.00000	2.6	0.00000	0.00000
2,4-Dinitrotoluene Log-Transform	0	0.00000	0.00000	0.00000	0.00000	0.95551	0.00000	0.00000
2,4-Dinitrotoluene Sqrt-Transform	0	0.00000	0.00000	0.00000	0.00000	1.61245	0.00000	0.00000
Hexachlorobenzene Non-Transform	0	0.00000	0.00000	0.00000	0.00000	2.6	0.00000	0.00000
Hexachlorobenzene Log-Transform	0	0.00000	0.00000	0.00000	0.00000	0.95551	0.00000	0.00000
Hexachlorobenzene Sqrt-Transform	0	0.00000	0.00000	0.00000	0.00000	1.61245	0.00000	0.00000
Hexachloroethane Non-Transform	1	12.00000	12.00000	0.00000	12.00000	40	1.00000	1.00000
Hexachloroethane Log-Transform	1	2.48491	2.48491	0.00000	2.48491	3.68888	1.00000	1.00000
Hexachloroethane Sqrt-Transform	1	3.46410	3.46410	0.00000	3.46410	6.32456	1.00000	1.00000
2-Methylphenol Non-Transform	4	20.00000	15.50000	6.60808	20.91117	40	0.80781	0.11698
2-Methylphenol Log-Transform	4	2.99573	2.63895	0.57451	3.10940	3.68888	0.75489	0.04287
2-Methylphenol Sqrt-Transform	4	4.47214	3.84844	0.95882	4.63359	6.32456	0.78203	0.07371
3&4-Methylphenol Non-Transform	4	20.00000	15.50000	6.60808	20.91117	40	0.80781	0.11698
3&4-Methylphenol Log-Transform	4	2.99573	2.63895	0.57451	3.10940	3.68888	0.75489	0.04287
3&4-Methylphenol Sqrt-Transform	4	4.47214	3.84844	0.95882	4.63359	6.32456	0.78203	0.07371
Nitrobenzene Non-Transform	1	12.00000	12.00000	0.00000	12.00000	40	1.00000	1.00000
Nitrobenzene Log-Transform	1	2.48491	2.48491	0.00000	2.48491	3.68888	1.00000	1.00000
Nitrobenzene Sqrt-Transform	1	3.46410	3.46410	0.00000	3.46410	6.32456	1.00000	1.00000
Pentachlorophenol Non-Transform	4	20.00000	15.50000	6.60808	20.91117	40	0.80781	0.11698
Pentachlorophenol Log-Transform	4	2.99573	2.63895	0.57451	3.10940	3.68888	0.75489	0.04287
Pentachlorophenol Sqrt-Transform	4	4.47214	3.84844	0.95882	4.63359	6.32456	0.78203	0.07371

Solids only

CCP Metals Data Evaluation Narrative

WSPF Number: SR-W027-321M-HOM Solids Summary Number: 1

A statistical evaluation of 5 containers for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for Metals Solids Analysis.

The data was compared to the PRQL limits and only Lead exceeded it's limit.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ MDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or non transformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices. All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

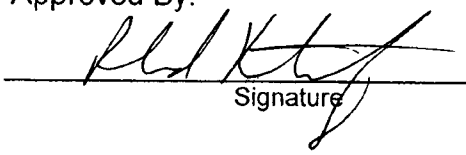
The following analytes were used without transformation: Beryllium, Lead, Thallium, and Vanadium.

Summary

In summary, the following analytes demonstrated conditions of normality in the specified data sets:

- Barium – non, log, and sq root transformed data sets.
- Beryllium – non, log, and sq root transformed data sets.
- Cadmium– non, log, and sq root transformed data sets.
- Chromium– non, log, and sq root transformed data sets.
- Mercury– non, log, and sq root transformed data sets.
- Nickel – log and sq root transformed data sets.
- Thallium – non, log, and sq root transformed data sets.
- Vanadium – non, log, and sq root transformed data sets.
- Zinc – non, log, and sq root transformed data sets.

Approved By:



Signature

Richard Kantrowitz
Printed Name

4/15/2013
Date

Solids 012

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

Waste Stream Number: SR-W027-321M-HOM
Site: Savannah River Site
Lot Number: 1
Number of Drums: 1 (sampled five times)
Preparation Date: 01/16/13

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
Antimony, No Transform	5	0.97000	0.44800	0.31436	0.663545028	100.000	0.74787	0.02844
Antimony, Log Transform	5	-0.03046	-0.96865	0.61289	-0.548413505	4.605	0.77328	0.04821
Antimony, Sq Root Transform	5	0.98489	0.64120	0.21466	0.788386165	10.000	0.76556	0.04121
Arsenic, No Transform	5	0.45000	0.44900	0.00224	0.450533206	100.000	0.55218	0.00013
Arsenic, Log Transform	5	-0.79851	-0.80074	0.00500	-0.797316161	4.605	0.55218	0.00013
Arsenic, Sq Root Transform	5	0.67082	0.67007	0.00167	0.671218932	10.000	0.55218	0.00013
Barium, No Transform	5	160.00000	114.20000	28.51666	133.7530392	2000.000	0.84756	0.18692
Barium, Log Transform	5	5.07517	4.71421	0.24141	4.879737816	7.601	0.87813	0.30092
Barium, Sq Root Transform	5	12.64911	10.62268	1.30325	11.51627646	44.721	0.86582	0.24992
Beryllium, No Transform	5	3.60000	3.34000	0.24083	3.505131369	100.000	0.95699	0.78688
Beryllium, Log Transform	5	1.28093	1.20385	0.07325	1.254073114	4.605	0.95019	0.73856
Beryllium, Sq Root Transform	5	1.89737	1.82660	0.06639	1.872120245	10.000	0.95371	0.76362
Cadmium, No Transform	5	1.20000	0.63000	0.40317	0.906445212	20.000	0.84216	0.17099
Cadmium, Log Transform	5	0.18232	-0.62320	0.62736	-0.193032932	2.996	0.87628	0.29279
Cadmium, Sq Root Transform	5	1.09545	0.76239	0.24687	0.931666619	4.472	0.85898	0.22459
Chromium, No Transform	5	78.00000	53.20000	16.66433	64.62624482	100.000	0.90204	0.42125
Chromium, Log Transform	5	4.35671	3.93594	0.30672	4.146250369	4.605	0.90677	0.44844
Chromium, Sq Root Transform	5	8.83176	7.22437	1.12277	7.994220906	10.000	0.90727	0.45188
Lead, No Transform	5	380.00000	138.24000	182.41481	263.3164888	100.000	0.75392	0.03235
Lead, Log Transform	5	5.94017	3.49079	2.11734	4.942581282	4.605	0.73796	0.02294
Lead, Sq Root Transform	5	19.49359	8.89659	8.59437	14.78950461	10.000	0.73918	0.02356
Mercury, No Transform	5	0.03300	0.01699	0.01014	0.023942055	4.000	0.91218	0.48078
Mercury, Log Transform	5	-3.41125	-4.23960	0.68327	-3.771106469	1.386	0.91583	0.50338
Mercury, Sq Root Transform	5	0.18166	0.12544	0.03959	0.152591453	2.000	0.94270	0.68510
Nickel, No Transform	5	32.00000	20.00000	6.89202	24.72565911	100.000	0.76080	0.03735
Nickel, Log Transform	5	3.46574	2.95624	0.29975	3.161763952	4.605	0.82667	0.13131
Nickel, Sq Root Transform	5	5.65685	4.42628	0.71422	4.915993675	10.000	0.79328	0.07135
Selenium, No Transform	5	1.40000	0.67900	0.40306	0.955364418	20.000	0.55677	0.00015
Selenium, Log Transform	5	0.33647	-0.48923	0.46160	-0.172725046	2.996	0.56023	0.00017
Selenium, Sq Root Transform	5	1.18322	0.80162	0.21332	0.947889949	4.472	0.55832	0.00016
Silver, No Transform	5	0.31000	0.10190	0.11633	0.181665194	100.000	0.55377	0.00014
Silver, Log Transform	5	-1.17118	-2.63283	0.81710	-2.07257199	4.605	0.55673	0.00015
Silver, Sq Root Transform	5	0.55678	0.29002	0.14912	0.392266578	10.000	0.55496	0.00014

SR1315013

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 1, 1 drum
SR-W027-321M-HOM

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	SW (Highest W Statistic)	P-Values
Thallium, No Transform	5	0.30000	0.30000	0.00000	0.3	100.000	1.00000	1.00000
Thallium, Log Transform	5	-1.20397	-1.20397	0.00000	-1.203972804	4.605	1.00000	1.00000
Thallium, Sq Root Transform	5	0.54772	0.54772	0.00000	0.547722558	10.000	1.00000	1.00000
Vanadium, No Transform	5	56	48	7.64852927	53.24437234	100.000	0.89066	0.36042
Vanadium, Log Transform	5	4.0253517	3.860698	0.163333391	3.97269141	4.605	0.88283	0.32234
Vanadium, Sq Root Transform	5	7.4833148	6.910195	0.558130461	7.292888508	10.000	0.88683	0.34142
Zinc, No Transform	5	110	75.4	21.84719662	90.37998237	100.000	0.90747	0.45251
Zinc, Log Transform	5	4.7004804	4.291567	0.274768914	4.479966405	4.605	0.94490	0.70077
Zinc, Sq Root Transform	5	10.488088	8.614742	1.21769551	9.449679794	10.000	0.92839	0.58540

h10 sp185

CCP Waste Stream Lot Solids Tentatively Identified Compounds

WSPF Number: SR-W027-321M-HOM Solids Summary Waste Stream Lot Number 1

Number of samples in this lot: 5

The following TICs were detected during Solids Totals Analysis of this Waste Stream Lot:

Tentatively Identified Compound	CAS Number	Number of Samples Containing TIC In This Lot	TIC Included in 40CFR261 Appendix VIII Yes/No
None	N/A	N/A	N/A

Approved By:

Signature	Print Name	Date
	Richard Kantrowitz	4/15/2013

Solids 015

CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative)

WSPF Number: SR-W027-321M-HOM Lot Number: 1 through 1

Number of samples evaluated to date in the Waste Stream: 5

The following TICs were detected during Solids Totals Analysis of this Waste Stream:

Tentatively Identified Compound	CAS Number	Maximum Observed Estimated Concentrations (mg/kg)	Total Number of Samples Containing TIC	% TIC Detected in Waste Stream	Greater than 25% Yes
None	N/A	N/A	N/A	N/A	N/A

Approved By:

Signature | Richard Kantrowitz (Print Name) | 4/15/2013 (Date)

Solids 016

CCP Site Project Manager Data Evaluation Narrative

WSPF Number: SR-W027-321M-HOM Waste Stream Lot Number 1

All Solids Data for the containers in this Lot have been Validated and Verified and found to be acceptable, and meet the requirements of the WIPP WAPP.

SR-W027-321M-HOM consists of one container sampled five times. No random selection was performed.

Approved By:

Signature	Richard Kantrowitz	4/15/2013
	Print Name	Date

Solids 017

DIVIDER PAGE

URS

CP:11:01758
UFC:5900.00

Washington TRU Solutions LLC

INTER-OFFICE CORRESPONDENCE

DATE: November 16, 2011

FROM: R. P. Kantrowitz LOCATION: Certification

TO: CCP Records Custodian GSA-212 LOCATION: Retrieval, Characterization and Transportation

SUBJECT: TRANSMITTAL OF SAVANNAH RIVER SITE SOLIDS SAMPLING SUMMARY RESULTS FOR LOT 2 WASTE STREAM #SR-MD-SOIL

Please accept the attached Savannah River Site Solids Sampling Summary Results for Lot 2 to be placed in Records for Waste Stream #SR-MD-SOIL.

RPK:jmc

Attachment

cc: (without attachment)

R. W. Lee	ED
M. W. Pearcy	ED
B. S. Schrock	ED

CCP RECORDS ORIGINAL
DATE RECD 11-16-11

SOLIDS SUMMARY DATA REPORT

WSPF # SR-MD-SOIL

Lot 2

TABLE OF CONTENTS

CCP Correlation of Container ID Numbers to Solid Sample ID Numbers..... 002

CCP Solids Analysis VOC UCL90 Evaluation Form..... 003

CCP Solids Analysis SVOC UCL90 Evaluation Form..... 005

CCP Solids Analysis Metals UCL90 Evaluation Form..... 006

CCP Data Evaluation Narrative/Statistics Package (VOC) Lots 1 through 2 007

CCP Data Evaluation Narrative/Statistics Package (SVOC) Lots 1 through 2 011

CCP Data Evaluation Narrative/Statistics Package (Metals) Lots 1 through 2 013

CCP Waste Stream Lot Solids Tentatively Identified Compounds..... 016

CCP Waste Stream Solids Tentatively Identified Compounds..... 017

CCP Site Project Manager Data Evaluation Narrative..... 018

CCP Correlation of Container ID Numbers to Solids Sample ID Numbers

Headspace Gas BDR Numver: See Below

WSPF Number: SR-MD-SOIL

Lot Number: 2

Container ID Number	Sample BDR	VOC Analysis BDR	VOC Analysis Sample ID	SVOC Analysis BDR	SVOC Analysis Sample ID	Non-Halogenated Analysis BDR VOCs	Sample ID Non-Halogenated VOCs	Metals Analysis BDR	Metals Analysis Sample ID
MDL0504556	SSC11-00008	ALD11026V	10420099	ALD11026S	10420103	ALD11026N	10420100	ALD11026M	10420103
MDL0506692	SSC11-00008	ALD11026V	10420302	ALD11026S	10420306	ALD11026N	10420303	ALD11026M	10420306
MDL504586B	SSC11-00008	ALD11026V	10420486	ALD11026S	10420490	ALD11026N	10420487	ALD11026M	10420490
MDL0506675	SSC11-00008	ALD11026V	10420564	ALD11026S	10420568	ALD11026N	10420565	ALD11026M	10420568
MDL0506656	SSC11-00008	ALD11026V	10420687	ALD11026S	10420671	ALD11026N	10420688	ALD11026M	10420671

Use multiple copies of this attachment as necessary to document all containers discussed in this summary report. Record Waste Stream Profile Form Number and Waste Stream Lot Number on each sheet issued. Number each sheet in the space provided.

Site Project Manager (or designee):

Signature

Richard Kantrowitz
Print Name

11/15/2011
Date

Solids 002

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

Solvds003

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichloroethanebenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Los Alamos National Laboratory and Savannah River Site.

[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.

[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

11/15/2011
Date

Solids 004

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

11/15/2011
Date

Solids 005

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27800	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

11/15/2011
Date

Solids 006

CCP VOC Data Evaluation Narrative

WSPF Number: SR-MD-SOIL Solids Summary Number: 2

A statistical evaluation of 10 containers for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for VOC Solids Analysis.

The non-transformed data was compared to the non-transformed PRQL limits and none of the compounds exceeded its limit.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ MDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or non transformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices. All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

The data for all the compounds was used without transformation with the exception of Acetone and Isobutanol.

Summary

In summary, the following analytes demonstrated conditions of normality either in the indicated data sets:

- Carbon disulfide – non, log, and sq root transform data sets
- 1,1,1-Trichloroethane – non, log, and sq root transform data sets
- Trichlorofluoromethane – non, log, and sq root transform data sets

Prepared By: Richard Kantrowitz Date: 11/15/2011

Approved By:

Signature

Richard Kantrowitz
Print Name

11/15/2011
Date

Solids 007

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 2, 10 Drums
SR-MD-SOIL

Waste Stream Number: SR-MD-SOIL
Site: Savannah River Site
Lot Number: 2
Number of Drums: 10
Preparation Date: 11/15/2011

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
Benzene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Benzene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Benzene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Bromoform, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Bromoform, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Bromoform, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Carbon disulfide, No Transform	10	0.19500	0.17900	0.00937	0.18310	10	0.8676	0.0937
Carbon disulfide, Log Transform	10	-1.63476	-1.72159	0.05189	-1.69889	2.302585	0.8669	0.0921
Carbon disulfide, Sq Root Transform	10	0.44159	0.42295	0.01102	0.42778	3.162278	0.8673	0.0930
Carbon tetrachloride, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Carbon tetrachloride, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Carbon tetrachloride, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Chlorobenzene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Chlorobenzene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Chlorobenzene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Chloroform, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Chloroform, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Chloroform, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
1,1-Dichloroethene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
1,1-Dichloroethene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
1,1-Dichloroethene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
1,2-Dichloroethane, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
1,2-Dichloroethane, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
1,2-Dichloroethane, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Ethyl benzene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Ethyl benzene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Ethyl benzene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Methylene chloride, No Transform	10	0.29000	0.22200	0.04809	0.24303	10	0.8108	0.0196
Methylene chloride, Log Transform	10	-1.23787	-1.52627	0.21703	-1.43136	2.302585	0.8000	0.0145
Methylene chloride, Sq Root Transform	10	0.53852	0.46868	0.05095	0.49097	3.162278	0.8055	0.0169
m-Xylene, p-Xylene, No Transform	10	0.39000	0.26750	0.09376	0.30850	10	0.7869	0.0100
m-Xylene, p-Xylene, Log Transform	10	-0.94161	-1.37650	0.36134	-1.21846	2.302585	0.7785	0.0079
m-Xylene, p-Xylene, Sq Root Transform	10	0.62450	0.50987	0.09150	0.54989	3.162278	0.7822	0.0088

Soils 88

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 2, 10 Drums
SR-MD-SOIL

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
o-Xylene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
o-Xylene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
o-Xylene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
1,1,2,2-Tetrachloroethane, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
1,1,2,2-Tetrachloroethane, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
1,1,2,2-Tetrachloroethane, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Tetrachloroethene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Tetrachloroethene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Tetrachloroethene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Toluene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Toluene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Toluene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
trans-1,2-Dichloroethene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
trans-1,2-Dichloroethene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
trans-1,2-Dichloroethene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
1,1,1-Trichloroethane, No Transform	10	0.19500	0.17900	0.00937	0.18310	10	0.8676	0.0937
1,1,1-Trichloroethane, Log Transform	10	-1.63476	-1.72159	0.05189	-1.69889	2.302585	0.8669	0.0921
1,1,1-Trichloroethane, Sq Root Transform	10	0.44159	0.42295	0.01102	0.42778	3.162278	0.8673	0.0930
Trichloroethene, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
Trichloroethene, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
Trichloroethene, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
1,1,2-Trichloro-1,2,2-trifluoroethane, No Transform	10	0.38000	0.26900	0.09695	0.31140	10	0.7633	0.0052
1,1,2-Trichloro-1,2,2-trifluoroethane, Log Transform	10	-0.96758	-1.37511	0.37540	-1.21093	2.302585	0.7593	0.0046
1,1,2-Trichloro-1,2,2-trifluoroethane, Sq Root Transform	10	0.61644	0.51079	0.09482	0.55226	3.162278	0.7609	0.0048
1,1,2-Trichloroethane, No Transform	10	0.19500	0.13400	0.04713	0.15461	10	0.7863	0.0099
1,1,2-Trichloroethane, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	2.302585	0.7799	0.0083
1,1,2-Trichloroethane, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	3.162278	0.7826	0.0089
Trichlorofluoromethane, No Transform	10	0.29000	0.22300	0.04715	0.24362	10	0.8506	0.0591
Trichlorofluoromethane, Log Transform	10	-1.23787	-1.52080	0.21203	-1.42807	2.302585	0.8490	0.0565
Trichlorofluoromethane, Sq Root Transform	10	0.53852	0.46985	0.04987	0.49166	3.162278	0.8499	0.0579
Vinyl chloride, No Transform	10	0.19500	0.13400	0.04713	0.15461	4	0.7863	0.0099
Vinyl chloride, Log Transform	10	-1.63476	-2.06839	0.36361	-1.90937	1.386294	0.7799	0.0083
Vinyl chloride, Sq Root Transform	10	0.44159	0.36082	0.06507	0.38928	2	0.7826	0.0089
Acetone, No Transform	10	1.70000	1.34000	0.26854	1.45744	100	0.8023	0.0155
Acetone, Log Transform	10	0.53063	0.27434	0.20236	0.36284	4.60517	0.7989	0.0140
Acetone, Sq Root Transform	10	1.30384	1.15231	0.11633	1.20319	10	0.8004	0.0147

Solids 009

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 2, 10 Drums
SR-MD-SOIL

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
Butanol, No Transform	10	1.70000	1.07500	0.54480	1.31327	100	0.7134	0.0013
Butanol, Log Transform	10	0.53063	-0.05868	0.55124	0.18241	4.60517	0.7025	0.0009
Butanol, Sq Root Transform	10	1.30384	1.00448	0.27084	1.12293	10	0.7071	0.0011
Methanol, No Transform	10	1.15000	0.81500	0.27085	0.93346	100	0.7323	0.0022
Methanol, Log Transform	10	0.13976	-0.25673	0.34328	-0.10659	4.60517	0.7241	0.0017
Methanol, Sq Root Transform	10	1.07238	0.89122	0.15173	0.95758	10	0.7279	0.0019
Methyl ethyl ketone, No Transform	10	1.70000	1.07500	0.54480	1.31327	100	0.7134	0.0013
Methyl ethyl ketone, Log Transform	10	0.53063	-0.05868	0.55124	0.18241	4.60517	0.7025	0.0009
Methyl ethyl ketone, Sq Root Transform	10	1.30384	1.00448	0.27084	1.12293	10	0.7071	0.0011
Ethyl ether, No Transform	10	1.70000	1.07500	0.54480	1.31327	10	0.7134	0.0013
Ethyl ether, Log Transform	10	0.53063	-0.05868	0.55124	0.18241	2.302585	0.7025	0.0009
Ethyl ether, Sq Root Transform	10	1.30384	1.00448	0.27084	1.12293	3.162278	0.7071	0.0011
Isobutanol, No Transform	10	1.15000	1.08000	0.04216	1.09844	100	0.7172	0.0014
Isobutanol, Log Transform	10	0.13976	0.07629	0.03847	0.09311	4.60517	0.7182	0.0015
Isobutanol, Sq Root Transform	10	1.07238	1.03905	0.02013	1.04786	10	0.7177	0.0014
Pyridine, No Transform	10	1.70000	1.07500	0.54480	1.31327	100	0.7134	0.0013
Pyridine, Log Transform	10	0.53063	-0.05868	0.55124	0.18241	4.60517	0.7025	0.0009
Pyridine, Sq Root Transform	10	1.30384	1.00448	0.27084	1.12293	10	0.7071	0.0011

Solids 010

CCP SVOC Data Evaluation Narrative

WSPF Number: SR-MD-SOIL Solids Summary Number: 2

A statistical evaluation of 10 containers for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for SVOC Solids Analysis.

The non-transformed data was compared to the non-transformed PRQL limits and none of the compounds exceeded its limit.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ MDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or nontransformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices.

All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

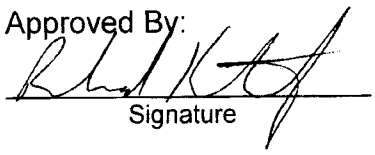
The data for all of the compounds was used without transformation.

Summary

None of the compounds demonstrated conditions of normality in the non, log, or sq root transform data sets.

Prepared By: Richard Kantrowitz Date: 11/15/2011

Approved By:



Signature

Richard Kantrowitz
Print Name

11/15/2011
Date

Solids 011

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 2, 10 Drums
SR-MD-SOIL

Waste Stream Number: SR-MD-SOIL
Site: Savannah River Site
Lot Number: 2
Number of Drums: 10
Preparation Date: 11/15/2011

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
1,2-Dichlorobenzene, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
1,2-Dichlorobenzene, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
1,2-Dichlorobenzene, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002
1,4-Dichlorobenzene, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
1,4-Dichlorobenzene, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
1,4-Dichlorobenzene, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002
2,4-Dinitrophenol, No Transform	10	0.40500	0.18800	0.11738	0.23934	40	0.76341	0.00520
2,4-Dinitrophenol, Log Transform	10	-0.90387	-1.82640	0.56912	-1.57749	3.6889	0.80570	0.01700
2,4-Dinitrophenol, Sq Root Transform	10	0.63640	0.41676	0.12610	0.47191	6.3246	0.79104	0.01128
2,4-Dinitrotoluene, No Transform	10	0.20000	0.11850	0.04042	0.13618	2.6	0.54906	0.00001
2,4-Dinitrotoluene, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	0.9555	0.55782	0.00002
2,4-Dinitrotoluene, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	1.6125	0.55302	0.00002
Hexachlorobenzene, No Transform	10	0.20000	0.11850	0.04042	0.13618	2.6	0.54906	0.00001
Hexachlorobenzene, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	0.9555	0.55782	0.00002
Hexachlorobenzene, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	1.6125	0.55302	0.00002
Hexachloroethane, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
Hexachloroethane, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
Hexachloroethane, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002
2-Methylphenol, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
2-Methylphenol, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
2-Methylphenol, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002
3&4-Methylphenol, No Transform	10	0.40500	0.18800	0.11738	0.23934	40	0.76341	0.00520
3&4-Methylphenol, Log Transform	10	-0.90387	-1.82640	0.56912	-1.57749	3.6889	0.80570	0.01700
3&4-Methylphenol, Sq Root Transform	10	0.63640	0.41676	0.12610	0.47191	6.3246	0.79104	0.01128
Nitrobenzene, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
Nitrobenzene, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
Nitrobenzene, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002
Pentachlorophenol, No Transform	10	0.20000	0.11850	0.04042	0.13618	40	0.54906	0.00001
Pentachlorophenol, Log Transform	10	-1.60944	-2.17421	0.28485	-2.04963	3.6889	0.55782	0.00002
Pentachlorophenol, Sq Root Transform	10	0.44721	0.34049	0.05339	0.36384	6.3246	0.55302	0.00002

Solids 012

CCP Metals Data Evaluation Narrative

WSPF Number: SR-MD-SOIL Solids Summary Number: 2

A statistical evaluation of 10 containers for the waste stream noted above was performed to verify the hazardous waste code assignments in AK for Metals Solids Analysis.

The calculated UCL_{90} data was compared to the PRQL and none of the metals exceeded the limits.

The container population was evaluated for normality, analyte by analyte. Two transforms were performed on each analyte data, in an attempt to 'normalize' the data sets. A log-normal transform and a square root transform were performed (the arcsine transform mentioned in SW-846, Chapter 9 is only applicable to proportion data [values of 0-1] or % data). Neither the log-normal nor the square root transform resulted in a Gaussian distribution. Due to the large number of non detects (values reported at ½ IDL) throughout the data set, there is a skewing effect which is largely responsible for this non-Gaussian distribution.

Summary descriptive data for the non-transformed and transformed data were prepared and are attached. The "W" statistic, which resulted in the highest "W" value (under the Shapiro-Wilk (SW) test for normality) was used as the metric for which the individual analytes were compared to the PRQL (either transformed or nontransformed) to verify the AK for assigning hazardous waste codes for specific analytes.

This is in strict accordance with Chapter 9 of SW-846 which states, in part, "...If either transformation is required, all subsequent statistical evaluations must be performed on the transformed scale." Thus, if the analyte had the highest "W" Statistic, in a transformed function, these transformed analyte values were compared against the transformed limits. The results of the comparison show that the data does not exceed the PRQL. The results are shown in the attached matrices.

All the transformations and comparisons are shown on the attached spreadsheets, and were performed using Excel controlled software package.

The data for Barium, Beryllium, Cadmium, Silver, and Thallium were used without transformation.

Summary

The following compounds passed the normality test in the indicated data sets:

- Antimony – non, log, and sq root transform data sets
- Arsenic – non, log, and sq root transform data sets
- Barium – non, log, and sq root transform data sets
- Beryllium – non, log, and sq root transform data sets
- Cadmium – non and sq root transform data sets
- Chromium – non, log, and sq root transform data sets
- Lead – non, log, and sq root transform data sets
- Mercury – non, log, and sq root transform data sets
- Nickel – non, log, and sq root transform data sets
- Silver – non transform data set
- Vanadium – non, log, and sq root transform data sets
- Zinc – non, log, and sq root transform data sets

Prepared By: Richard Kantrowitz Date: 11/15/2011

Approved By:

Signature

Richard Kantrowitz
Print Name

11/15/2011
Date

Solids 013

Data Verification Sheet
Supplemental to UCL90 Evaluation Form
(Attachment 2)

Prepared by
Richard Kantrowitz

SRS, Lot 2, 10 Drums
SR-MD-SOIL

Waste Stream Number: SR-MD-SOIL
Site: Savannah River Site
Lot Number: 2
Number of Drums: 10
Preparation Date: 11/15/2011

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
Antimony, No Transform	10	1.60000	0.97100	0.41143	1.15094	100	0.9250	0.4001
Antimony, Log Transform	10	0.47000	-0.11873	0.46257	0.08358	4.6052	0.9302	0.4503
Antimony, Sq Root Transform	10	1.26491	0.96450	0.21278	1.05756	10	0.9403	0.5562
Arsenic, No Transform	10	6.90000	3.74000	1.40254	4.35340	100	0.9149	0.3163
Arsenic, Log Transform	10	1.93152	1.26004	0.35988	1.41743	4.6052	0.9754	0.9360
Arsenic, Sq Root Transform	10	2.62679	1.90541	0.34864	2.05789	10	0.9562	0.7417
Barium, No Transform	10	90.00000	73.90000	14.57890	80.27611	2000	0.8754	0.1154
Barium, Log Transform	10	4.49981	4.28353	0.21121	4.37590	7.6009	0.8584	0.0731
Barium, Sq Root Transform	10	9.48683	8.55636	0.87476	8.93894	44.7214	0.8673	0.0929
Beryllium, No Transform	10	0.93000	0.84000	0.06976	0.87051	100	0.9384	0.5352
Beryllium, Log Transform	10	-0.07257	-0.17754	0.08463	-0.14052	4.6052	0.9295	0.4432
Beryllium, Sq Root Transform	10	0.96437	0.91579	0.03839	0.93258	10	0.9342	0.4903
Cadmium, No Transform	10	0.56000	0.27800	0.16288	0.34923	20	0.9407	0.5605
Cadmium, Log Transform	10	-0.57982	-1.52437	0.84643	-1.15418	2.9957	0.8304	0.0338
Cadmium, Sq Root Transform	10	0.74833	0.50065	0.17431	0.57689	4.4721	0.9097	0.2787
Chromium, No Transform	10	80.00000	42.60000	24.87390	53.47865	100	0.8853	0.1501
Chromium, Log Transform	10	4.38203	3.57987	0.63630	3.85815	4.6052	0.8926	0.1815
Chromium, Sq Root Transform	10	8.94427	6.26290	1.93681	7.10997	10	0.8951	0.1932
Lead, No Transform	10	11.00000	8.23000	1.34416	8.81787	100	0.9304	0.4515
Lead, Log Transform	10	2.39790	2.09632	0.15803	2.16543	4.6052	0.9497	0.6652
Lead, Sq Root Transform	10	3.31662	2.86050	0.22977	2.96099	10	0.9416	0.5704
Mercury, No Transform	10	0.63000	0.27000	0.15875	0.33943	4	0.9210	0.3656
Mercury, Log Transform	10	-0.46204	-1.47511	0.64286	-1.19395	1.3863	0.9637	0.8267
Mercury, Sq Root Transform	10	0.79373	0.49970	0.15019	0.56538	2	0.9825	0.9771
Nickel, No Transform	10	20.00000	16.00000	1.88562	16.82468	100	0.8944	0.1898
Nickel, Log Transform	10	2.99573	2.76668	0.11311	2.81615	4.6052	0.9153	0.3193
Nickel, Sq Root Transform	10	4.47214	3.99401	0.23057	4.09486	10	0.9054	0.2511

Soils 014

ANALYTE	Valid N	Maximum Value	Mean	Std. Deviation	UCL90 (Upper 80.00% Confidence Interval)	PRQL Values	W Statistic	P-Values
Selenium, No Transform	10	2.80000	0.86400	0.88861	1.25264	20	0.6780	0.0005
Selenium, Log Transform	10	1.02962	-0.50270	0.82197	-0.14322	2.9957	0.8097	0.0190
Selenium, Sq Root Transform	10	1.67332	0.84611	0.40564	1.02352	4.4721	0.7451	0.0031
Silver, No Transform	10	0.89000	0.35095	0.31489	0.48867	100	0.8484	0.0556
Silver, Log Transform	10	-0.11653	-1.62546	1.26058	-1.07415	4.6052	0.7928	0.0119
Silver, Sq Root Transform	10	0.94340	0.52379	0.29173	0.65138	10	0.8297	0.0332
Thallium, No Transform	10	0.50000	0.44950	0.05220	0.47233	100	0.6659	0.0003
Thallium, Log Transform	10	-0.69315	-0.80572	0.11659	-0.75473	4.6052	0.6649	0.0003
Thallium, Sq Root Transform	10	0.70711	0.66943	0.03899	0.68648	10	0.6654	0.0003
Vanadium, No Transform	10	43.00000	29.70000	6.75031	32.65226	100	0.9479	0.6438
Vanadium, Log Transform	10	3.76120	3.36873	0.22168	3.48568	4.6052	0.9720	0.9083
Vanadium, Sq Root Transform	10	6.55744	5.41914	0.60824	5.68515	10	0.9626	0.8153
Zinc, No Transform	10	75.00000	57.10000	10.96915	61.89738	100	0.9328	0.4759
Zinc, Log Transform	10	4.31749	4.02822	0.19225	4.11230	4.6052	0.9407	0.5611
Zinc, Sq Root Transform	10	8.66025	7.52526	0.72304	7.84148	10	0.9390	0.5420

Solids 015

CCP Waste Stream Solids Tentatively Identified Compounds

WSPF Number: SR-MD-SOIL Lot Number: 2

Number of samples in this lot: 5

The following TICs were detected during Headspace Gas Analysis of this Waste Stream Lot:

Tentatively Identified Compound	CAS Number	Number of Samples Containing TIC In This Lot	TIC Included in 40CFR261 Appendix VIII Yes/No
None	N/A	N/A	N/A

Approved By:

Signature	Richard Kantrowitz	11/15/2011
	Print Name	Date

Solids 016

CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative)

WSPF Number: SR-MD-SOIL Lot Number: 1 through 2

Number of samples evaluated to date in the Waste Stream: 10

The following TICs were detected during Headspace Gas Analysis of this Waste Stream:

Tentatively Identified Compound	CAS Number	Maximum Observed Estimated Concentrations (ppmv)	Total Number of Samples Containing TIC	% TIC Detected in Waste Stream	Greater than 25% Yes
Diethyl Phthalate	84-66-2	1.70	5	50.00%	Yes

The lab reported on the Data Report Narrative for each of the two BDRs that the presence of Diethyl Phtalate in the laboratory blanks and all of the samples indicate that the detections are due to laboratory contamination. The subject TIC is listed in 40CFR261 Appendix VIII; however, based on the laboratory determination that the TIC is attributable to laboratory contamination; a reevaluation AK is not warranted for this condition and the TIC will not be added to the Target Analyte list for this waste stream.

Approved By:

Signature	Richard Kantrowitz Print Name	11/15/2011 Date

solids017

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0230_____ Examination Date: 1/23-24/2012_____				
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR508805 SR508806 SR508807 SR508808 SR508809 SR515740 SR515741 SR515744 SR515746 SR515748 HBL100046 HBL100050 HBL100053 HBL100087 HBL100090 HBL110025 SR500174
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0037-12 Rework
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

1-25-12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0230			Examination Date: 1/23-24/2012	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0230 **Examination Date: 1/23-24/2012**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Carolina Soaterna	Carolina Soaterna	2/28/2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Batch Data Report No.: SR4RTR0230 Date: 1/24/12

Waste Container ID Numbers	
Replicate Scan:	SR508805
Independent Observation:	SR508807
1	SR515744
2	SR508807
3	SR508806
4	SR515746
5	SR508805
6	SR508808
7	SR515740
8	SR508809
9	SR500174
10	SR515748
11	SR515741
12	HBL110025
13	HBL100087
14	HBL100046
15	HBL100053
16	HBL100050
17	HBL100090
18	N/A
19	N/A
20	N/A

Independent Technical Reviewer:

JOHN ROVANSEK
Printed Name

Signature

23 FEB 2012
Date

CCP RECORDS ORIGINAL
DATE REC'D 2-23-12

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0230 Date: 1/24/12

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	61
6	CCP Independent Technical Reviewer Checklist	66

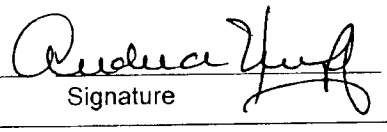
Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev. 11, CCP RTR Measurement Control Report.

Byron Geldersma
RTR Operator

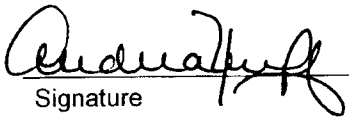
Signature

1-25-12
Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0230		
Examination Date: 1/23/12		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 13 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator:		
Andrea Huff		1/23/12
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0230		
Examination Date: 1/24/12		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 14 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator:		
Andrea Huff		1/24/12
Printed Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☑ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508805
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 102.0 kg. Tare Wt: 37.4 kg. Net Wt: 64.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508805

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, metal pipes Plastic bag Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	63.9
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	0.2
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	64.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508805

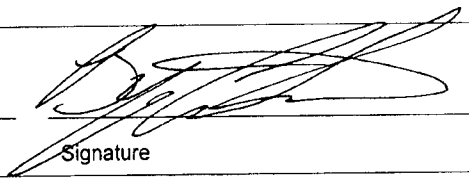
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: This Replicate Scan agrees with the original scan.

RTR Operator:

Byron Gelderman		01/23/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☑ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508807
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 78.0 kg. Tare Wt: ~~30.0~~ 37.4 kg. BWG 2-23-12 Net Wt: ~~48.0~~ 40.6 kg. BWG 2-23-12
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508807

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal pipe, scrap metal, screws Tygon tubing, plastic bags Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	~~0.0~~ 7.4 BG 2-23-12
Others:	0.0
Total Packaging Weight:	~~30.0~~ 37.4 BG 2-23-12
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	~~42.0~~ 35.4 BG 2-23-12
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	4.9
Organic Matrix (OR):	0.3
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	~~48.0~~ 40.6 BG 2-23-12

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508807

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

This Independent Observation agrees with the original scan.

Comments:

RTR Operator:

Byron Gelderman — 01/23/12

Print Name — Signature — Date 2-23-12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR515744
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 84.0 kg. Tare Wt: 37.4 kg. Net Wt: 46.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	100 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515744

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, scrap metal Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	46.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	0.4
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	46.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515744

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff	Andrea Huff	01/23/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508807
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 78.0 kg. Tare Wt: 37.4 kg. Net Wt: 40.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508807

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, screws, scrap metal Plastic bags, tygon tubing Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	31.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	8.5
Organic Matrix (OR):	0.7
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	40.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508807

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff — Print Name

Signature

01/23/12 — Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508806
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 139.0 kg. Tare Wt: 37.4 kg. Net Wt: 101.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	~~90~~ 95% JAK 2/23/12

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508806

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, scrap metal, screw
Plastic bags
Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	96.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	4.5
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	101.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508806

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff — Andrea Huff — 01/23/12

Print Name — Signature — Date

Georgia N. Karels Georgia N. Karels 2/23/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR515746
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 123.0 kg. Tare Wt: 37.4 kg. Net Wt: 85.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515746

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing
Plastic bags
Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	84.7
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	0.4
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	85.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515746

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/23/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508805
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 102.0 kg. Tare Wt: 37.4 kg. Net Wt: 64.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508805

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, fittings, scrap metal Plastic bags Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	63.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	0.3
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	64.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: SR508805

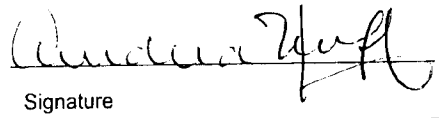
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/23/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/23/12
Waste Container ID:	SR508808
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 106.0 kg. Tare Wt: 37.4 kg. Net Wt: 68.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508808

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, scrap metal Plastic bags Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	67.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	0.3
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	68.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508808

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/23/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	SR515740
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 107.0 kg. Tare Wt: 37.4 kg. Net Wt: 69.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515740

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, metal tubing Tygon tubing, plastic bags

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	50.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	19.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	69.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515740

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑
Comments: N/A		
RTR Operator: Andrea Huff (Print Name) / Signature / 01/24/12 (Date)		

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	SR508809
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ NO ☑ YES NCR No.: NCR-SRS-0037-12 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 91.0 kg. Tare Wt: 37.4 kg. Net Wt: 53.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508809

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	53.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	53.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR508809

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code? JAK 2/23/12	~~☑~~	☑ JAK 2/23/12
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: NCR-SRS-0037-12 This drum does not match the waste stream description for waste packaging due to the absence of plastic waste bags.
NCR-SRS-0037-12 Rev 1. Packaging configuration corrected in AK14 Rev. 1

JAK 2/23/12

RTR Operator:

Andrea Huff	Andrea Huff	01/24/12
Print Name	Signature	Date

Georgia N. Kakis Georgia N. Kakis 2/23/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	SR500174
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3114
Waste Stream I.D.:	SR-W027-321M-HOM
Waste Container Weights:	Gross Wt: 117.0 kg. Tare Wt: 36.1 kg. Net Wt: 80.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR500174

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal buckets
Plastic bags, liner lid, pieces of plastic
Absorbent (solidified material)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	3.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	4.5
Organic Matrix (OR):	73.1
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	80.9

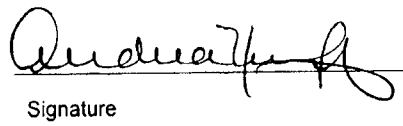
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR500174

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/24/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	SR515748
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ NO ☑ YES NCR No.: NCR-SRS-0037-12 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 130.0 kg. Tare Wt: 37.4 kg. Net Wt: 92.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515748

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, scrap metal
Roll of tape
Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	92.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	0.2
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	0.3
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	92.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: SR515748

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an Indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code? DAK 2/23/12	~~☑~~	☑ DAK 2/23/12

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: NCR-SRS-0037-12 This drum does not match the waste stream description for waste packaging due to the absence of plastic waste bags.
NCR-SRS-0037-12 Rev. 1 Packaging configuration corrected in AK14 Rev. 1
DAK 2/23/12

RTR Operator:

Andrea Huff	Andrea Huff	01/24/12
Print Name	Signature	Date

Georgia N. Karels Georgia N. Karels 2/23/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	SR515741
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code: JAK 2/23/12	~~SR-229~~ SQ229 JAK 2/28/12
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-321-322M-HET
Waste Container Weights:	Gross Wt: 89.0 kg. Tare Wt: 37.4 kg. Net Wt: 51.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515741

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal tubing, scrap metal
Plastic bags, tygon tubing
Absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	29.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	18.5
Organic Matrix (OR):	4.0
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	51.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR515741

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑
Comments: N/A		
RTR Operator: Andrea Huff (Print Name) — Andrea Huff (Signature) — 01/24/12 (Date)		

Georgia N. Karelis Georgia N. Karelis 2/23/12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL110025
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 71.0 kg. Tare Wt: 27.7 kg. Net Wt: 43.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL110025

Section 3: Container Inventory and Comments (Detailed descriptions)
Small electrical device, hand tools, scrap metal, aerosol can - breached
Aluminum glove portals
Absorbent
Rubber gloves
Plastic bags, plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	12.0
Aluminum-based Metals / Alloys (AM):	7.5
Other Metals (OM):	
Other Inorganic Materials (OI):	3.0
Cellulosics (C):	
Rubber (R):	12.4
Plastics (waste materials) (XPM):	8.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	43.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL110025

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff	Andrea Huff	01/24/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL100087
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 65.0 kg. Tare Wt: 27.7 kg. Net Wt: 37.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100087

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, hand tools, screws, nuts, washers
Aluminum glove portal
Absorbent
Rubber gloves
Plastic bags, plastic containers, labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	4.2
Aluminum-based Metals / Alloys (AM):	6.0
Other Metals (OM):	
Other Inorganic Materials (OI):	2.5
Cellulosics (C):	
Rubber (R):	7.3
Plastics (waste materials) (XPM):	17.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	37.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100087

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff	Andrea Huff	01/24/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL100046
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 64.0 kg. Tare Wt: 27.7 kg. Net Wt: 36.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100046

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, electrical device with battery, scrap metal
Aluminum glove portals
Glassware, absorbent
Rubber gloves
Plastic bags, plastic containers, labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	5.7
Aluminum-based Metals / Alloys (AM):	6.0
Other Metals (OM):	
Other Inorganic Materials (OI):	3.2
Cellulosics (C):	
Rubber (R):	8.3
Plastics (waste materials) (XPM):	13.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	36.3

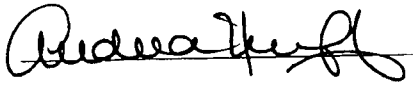
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100046

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/24/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL100053
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 59.0 kg. Tare Wt: 27.7 kg. Net Wt: 31.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100053

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Glassware, absorbent
Plastic bags, plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	5.2
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	23.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100053

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff	Andrea Huff	01/24/12
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL100050
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 62.0 kg. Tare Wt: 27.7 kg. Net Wt: 34.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100050

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent Plastic bags, plastic containers, labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	4.7
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	29.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	34.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100050

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑
Comments: N/A		
RTR Operator: Andrea Huff (Print Name) — Signature — 01/24/12 (Date)		

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0230
Examination Date:	01/24/12
Waste Container ID:	HBL100090
Video/Audio Recorded Media Number:	SR4RTR0230 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt: 59.0 kg. Tare Wt: 27.7 kg. Net Wt: 31.3 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100090

Section 3: Container Inventory and Comments (Detailed descriptions)
Aluminum glove portals
Absorbent, glassware
Rubber gloves
Plastic containers, plastic bags, labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Others:	0.0
Total Packaging Weight:	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	4.6
Other Metals (OM):	
Other Inorganic Materials (OI):	3.2
Cellulosics (C):	
Rubber (R):	6.7
Plastics (waste materials) (XPM):	16.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.3

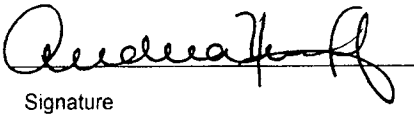
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: HBL100090

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		01/24/12
Print Name	Signature	Date

Attachment 1 – CCP Nonconformance Report (NCR)

NCR No. NCR-SRS- 0037 - 12 Revision 0

1. Lot No./Heat No. or Serial No. (as applicable): N/A	2. Process (e.g., NDA, HSG, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0230
4. Order/Work Order/Job Control Number (as applicable): N/A	5. PO # (as applicable): N/A	Container #(s): SR508809, SR515748
	6. Supplier (as applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7. (a) NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ >500 ppmv Flamm. VOCs ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☑ Other

7. (b) Description of Nonconformance Required Condition (Implementing Procedure, Revision, Section, & Text):

1) Section C-3c of CCP-PO-001, Rev.20, states in part, "...if radiography and/or VE indicate that the waste does not match the waste stream description produced by AK characterization, a non-conformance report (NCR) is completed and the inconsistency is resolved as specified in section C4 (Q5)."

2) CCP-TP-053, Revision 11, Section 4.4.2 [H.2], "IF the waste form DOES NOT match the Waste Stream Description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 of Attachment 2 and a description in the Comments block.

7. (c) Actual Condition

These drums do not match the waste stream description for waste packaging due to the absence of metal cans, cardboard boxes or plastic bags sealed with tape.

8. NCR Originator (Print name, sign, and date) Andrea Huff 1/24/12	9. CCP QA Engineer or Designee Validation (Print name, sign, and date) Steve Muse 1/24/12

9a. Does the identified condition have the potential to impact AK? ☑ YES ☐ NO ☐ INDETERMINATE

If YES or INDETERMINATE, then apply Trend Code L in Block 12.

9b. Have the CCP HOLD TAGS associated with the NCR been applied? ☑ YES ☐ NO If no is marked, provide an explanation.

10. Significant Condition? (If Yes, List CAR) ☐ YES ☑ NO	11. Recurring Condition? ☐ YES ☑ NO (If YES, List NCRs/CARs)
12. Trend Code: L	13. Responsible Manager: Beverly Schrock

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS- 0037 - 12 Revision **0**

INTERIM DISPOSITION

14. Interim Disposition (Check One)

☐ N/A (See Final Disposition) ☑ Hold ☐ Conditional Accept ☐ Conditional Use

☐ Sort ☐ Reinspect/Retest ☐ Remediate

(a) Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

15 .Responsible Manager/Individual (Print, sign, and date)	16. CCP QA Engineer or Designee (Print, sign and date)
Beverly Schrock Byron Creglestrom for Beverly Schrock 1-25-12	Steve Muse 1/26/12
Additional Approvals: (Print, sign and date)	Additional Approvals (Print, sign and date)

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete Responsible Manager/Individual: (Print, sign and date)

Adela M. Cantu 2/15/12

18. Interim Disposition Verified CCP QA Engineer: (Print, sign and date)

Laura R. Jones Laura Romero-Jones 2/15/2012

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No.NCR-SRS-0037-12 Revision 0

FINAL DISPOSITION

19. Final Disposition (Check One)
☐ Use-As-Is ☐ Reject ☐ Repair ☒ Rework ☐ Scrap

(a) Technical Justification (Required for Use-As-Is and Repair dispositions, N/A for Reject, Scrap, or Rework dispositions.)

NA

(b) Disposition Instructions (Required for Reject and Scrap, N/A for Use-As-Is, Rework, and Repair)

NA

(c) Instructions for Completion of the Final Disposition, including Inspection Criteria (Required for Repair and Rework, N/A for Use-As-Is, Reject and Scrap)

1. ITR return BDR to DGL for corrections based on Revision 1 of CCP-AK-SRS-14, issued 2/13/12
2. DGL to correct data sheet per description of waste packaging in Revision 1
3. ITR to re-review corrected data sheets and sign BDR
4. DGL submit BDR correction to Records along with a copy of this NCR

(d) Corrective Actions (Actions to Prevent Recurrence) - as required, N/A if left blank.

NA

FINAL DISPOSITION APPROVALS

20. Responsible Manager/Individual: (Print, sign, and date)	21. CCP QA Engineer or Designee: (Print, sign, and date)
Adela M. Cantú Adela M Cantu 2/15/12	Laura R. Jones 2/15/2012 Laura Romero Jones
Additional Approvals: (Print, sign, and date)	Additional Approvals: (Print, sign, and date)

CLOSURE

22. Final Disposition Complete Responsible Manager/Individual: (Print, sign, and date)

23. Attachments: 1- CCP-AK-SRS-14 Rev. 1 effective date: 02/13/2012. 02/15/2012 LRJ

24. (a) HOLD TAG removal has been validated and reconciled for all nonconforming items on the NCR. ☐
(b) Check if not applicable (N/A) and provide an explanation here or on a continuation sheet. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer: (Print, sign, and date)

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Unlike pump oils which were collected separately from solid waste, leaded oil used for billet lubrication was absorbed with Oil-Dri and included with solid waste. However, the use of oils for lubrication was not an application where PCBs would typically be found, and there is no indication that this lubricating oil contained PCBs (References C017, M023, P043).

Drums found to contain small capacitors contained in electric motors, or other potential PCB-containing items (e.g., pumps) during RTR or VE will be managed in accordance with the CCP TRU Waste Certification Program.

5.4.5 Prohibited Items

Prohibited items are not expected to be present in waste stream SR-W027-321-322M-HET. Waste oil was collected separately from solid waste, and depending on contamination levels was either sent for burning or Oil-Dri absorbent was added to form a solid cake (Reference D013, P036, P043, P111). When cleaning the degreaser or solvent still, the contaminated solvent was collected separately from solid waste (References P056, P092, P093, P094). Contaminated aqueous liquids (e.g., rinse water, nitric acid, and Aluminux solution) were drained to the process sewer to a settling basin or were drained to liquid waste tanks for subsequent disposal in Building 221-F (References D013, P056, P092, P093, P094). Previous RTR of the drums in this waste stream did not identify liquids (Reference M024). As described in Section 5.4.3.5, this waste stream does not contain ignitable, corrosive, or reactive wastes.

Certified RTR and/or VE are performed by CCP to ensure liquids do not exceed the amounts allowed by the WIPP-WAP and to ensure the absence of ignitable compressed gases and explosives. Any container identified with liquids in excess of the amounts allowed by the WIPP-WAP, or having unpunctured aerosol cans, compressed gas cylinders, or explosives will be segregated from the waste stream and will not be eligible for disposal at WIPP until the prohibited materials are removed and/or remediated (References P162, P163).

5.5 Waste Packaging

Waste items included in waste stream SR-W027-321-322M-HET were typically packaged in metal cans, cardboard boxes/cartons, and/or plastic bags sealed with tape. Waste items were also packaged directly without additional packaging (e.g., metal cans). The waste was then placed in a DOT Specification 7A, Type A (formerly identified as DOT 17C) 55-gallon galvanized steel drum lined with a 90-mil rigid polyethylene drum liner. The rigid liner lid was sealed onto the rigid liner using Raycohesive B-84. A styrene-butadiene rubber gasket was glued around the inside edge of the drum lid using Raycon adhesive. The drum lid and closure ring were placed on the drum and sealed by tightening the closure bolt in the ring (References DR005, M023, P111, P157, P160).

NCR -SRS-0037-12 Rev. 0

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Attachment 1 Page 1 of 2

64

Remediated/repackaged waste may be packaged into a 55-gallon drum with a single vented drum bag and one of the following drum liner configurations depending on the remediation facility and the date of remediation: no liner, a fiberboard liner, or a 90-mil polyethylene liner without lid (References P162, P163).

5.5.1 Filter Vents

Waste stream SR-W027-321-322M-HET was generated prior to the use of carbon composite filter vents. The drums are fitted with approved filter vents prior to CCP waste characterization activities (References 5, 9).

5.5.2 Layers of Confinement

Packaging information regarding waste stream SR-W027-321-322M-HET is somewhat general and does not provide the number of confinement layers. A typical glovebox bagout would have two plastic bag layers plus a drum liner bag. However, without more specific information, it is assumed that the drums in this waste stream have up to five (5) layers of confinement.

As described above, repackaged waste will have a single vented drum liner bag. Any inner rigid containers (e.g., metal cans) greater than four liters are prohibited and must be remediated prior to WIPP disposal. Once remediated, these containers will not constitute layers of confinement. In addition, VE of the waste requires breaching of inner bags, if present, to examine the contents. Therefore, repackaged waste will have one (1) layer of confinement.

NCR – SRS-0037-12 Rev. 0
Attachment 1 Page 2 of 2

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Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0230

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐NO	☑YES	☐N/A
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 11	☐NO	☑YES	☐N/A
3.	Are the WMPs entered correctly?	☐NO	☑YES	☐N/A
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐NO	☑YES	☐N/A
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐NO	☑YES	☐N/A
6.	Has the data been verified for transcription errors?	☐NO	☐YES	☑N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐NO	☑YES	☐N/A
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐NO	☑YES	☐N/A
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐NO	☑YES	☐N/A
10.	Is all data recorded clearly, legibly, and accurately?	☐NO	☑YES	☐N/A
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐NO	☑YES	☐N/A
12.	Was justification made for changing the original data?	☐NO	☑YES	☐N/A
13.	Were data changes made by the individual who originally collected the data?	☑NO	☐YES	☐N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐NO	☑YES	☐N/A
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐NO	☑YES	☐N/A
16.	Is there an adequate written description of the contents of each item?	☐NO	☑YES	☐N/A
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐NO	☑YES	☐N/A
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐NO	☑YES	☐N/A

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0230

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	☐ N/A
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	☐ N/A

Comments:

CCP-AK-SRS-14, Rev.1, changed TRUCON Code and packaging configurations. Final Disposition to NCR-SRS-0037-12 was approved. Qualified Operators made data changes.

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer: John Rovansek — Printed Name

Signature

23 Feb 2012 — Date

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				**Container(s):** HBL120429, HBL120431, HBL110144, HBL110143, HBL120447, HBL120441, SR57055436, SR523677D, MDL0506566
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs associated with this BDR
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/10/12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			SR57055436
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			HBL120447

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: **None**

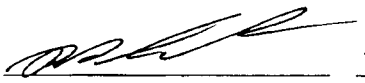
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody	David W Moody	10 December 2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0301		
Examination Date: 12/5/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond		12/5/12
Printed Name	Signature	Date

3

For MDL050L5660

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	MDL0506566
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ211
Waste Matrix Code:	S4200
Waste Stream I.D.:	SR-MD-SOIL
Waste Container Weights:	Gross Wt.: 280.0 kg Tare Wt.: 26.9 kg Net Wt.: 253.1 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

34

CCP Radiography Data Sheet

Waste Container ID: MDL0506566

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Scrap metal, metal pipe
AM:
OM:
OI:
C:
R:
XPM: Plastic bags
OR:
IN:
S: Soil

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	26.9
Plastics (PP):	
Other:	
Total Packaging Weight	26.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	246.1
Total WMP Weight:	253.1

35

CCP Radiography Data Sheet

Waste Container ID: MDL0506566

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0301

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☑ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0301

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A MB 12/6/12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	12/6/12
Printed Name	Signature	Date

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0107 **Examination Date:** 08/10/2010

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR? **Reference Source: CCP-PO-001, B3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, B3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, B3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, B3-10b**				Container Numbers: MDL0504474 MDL0506109 MDL0506675 MDL0506692
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table B3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table B3-11**			X	No NCRs associated with this BDR
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, B3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, B3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, B3-4, Table B3-11**	X			
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, B1-3, Table B3-11**	X			

ORIGINAL

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0107 **Examination Date:** 08/10/2010

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
11. Are prohibited items absent? **Reference Source: CCP-PO-001, B3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, B3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, B3-4a**			X	No discrepancies identified.
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, B3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, B3-4a**	X			Audio/Video Check was completed in SR4RTR0106.
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, B3-4a**	X			Lines-Pair Resolution Test Check was completed in SR4RTR0106.
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, B1-3**	X			Replicate scan for container SR57052903 was completed in SR4RTR0106.
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, B1-3**	X			Independent Observation for container SR57052906 was completed in SR4RTR0106.
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, B1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0107 **Examination Date:** 08/10/2010

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, B1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table B3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used at SRS
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used at SRS

Comments: No comments required.

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Craig Simmons		09/20/2010
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0107

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☒ YES	☐ N/A
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 8	☐ NO	☒ YES	☐ N/A
3.	Are the waste material parameters (WMPs) entered correctly?	☐ NO	☒ YES	☐ N/A
4.	Verify the hand calculations on the Radiography Data Sheet, and for each WMP, the weights are entered into the Estimated Weight column of Section 4 of Attachment 2.	☐ NO	☒ YES	☐ N/A
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☒ YES	☐ N/A
6.	Has the data been verified for transcription errors?	☐ NO	☒ YES	☐ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☒ YES	☐ N/A
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☒ YES	☐ N/A
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☒ YES	☐ N/A
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	☐ N/A
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☒ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☒ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☒ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☒ YES	☐ N/A
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☒ YES	☐ N/A
16.	Is there an adequate written description of the contents of each item?	☐ NO	☒ YES	☐ N/A
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☒ YES	☐ N/A
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☒ YES	☐ N/A

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0107

Description				
19.	Was the Image Test Pattern Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☒ YES	☐ N/A
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent.)	☐ NO	☒ YES	☐ N/A
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☒ YES	☐ N/A
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☒ YES	☐ N/A
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent.)	☐ NO	☒ YES	☐ N/A
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☒ YES	☐ N/A
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☒ YES	☐ N/A
26.	Was the data collection performed by qualified individuals?	☐ NO	☒ YES	☐ N/A
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☒ YES	☒ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☒ YES	☐ N/A

9/20/10 SB

Comments: N/A

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Sue BRADLEY — Printed Name

Sue Bradley — Signature

9/15/10 — Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID and Location:	SRS
Batch Number:	SR4RTR0107
Examination Date:	08/10/10
Waste Container ID:	MDL0506692
Video/Audio Recorded Media Number:	SR4RTR0107 A
Procedure and Revision No.:	CCP-TP-053 Rev. 8
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ211
Waste Matrix Code:	S4200
Waste Stream I.D.:	SR-MD-SOIL
Waste Container Weights:	Gross Wt: 279.0 kg. Tare Wt: 24.0 kg. Net Wt: 255.0 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	No Liner
Number of Layers of Confinement:	Appears to be 1 Layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506692

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent, concrete Plastic bags Soil, rock 60 mls of observable liquid in bags at 4" 50 mls of observable liquid in bags at 8"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	24.0
Plastics (PP):	
Others:	
Total Packaging Weight:	24.0
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	20.8
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	233.7
Total WMP Weight:	255.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: MDL0506692

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	☑	☐	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑	☐
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑	☐
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑	
Is there an indication of wastes containing explosives or compressed gases?	☐	☑	
Is there an indication of polychlorinated biphenyls (PCBs) liquids?	☐	☑	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	☐	☑	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑	
Are there sealed containers GREATER than 4 liters?	☐	☑	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☑	

Comments:

60 mls of observable liquid in bags at 4"
50 mls of observable liquid in bags at 8"

RTR Operator:

Byron Gelderman		08/10/10
Print Name	Signature	Date

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0069 Examination Date: 29 - 30 October 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				**Container(s):** WMAPSWB526, SR607486, WMPSWB540A, ~~SR607474~~ C3.1/14/13
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-1721-12 ~~has interim "Hold" disposition for SR607474~~ C3.1/14/13
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			~~**Except:** SR607474~~ C3.1/14/13

CCP RECORDS ORIGINAL
DATE REC'D 11.5.12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0069 **Examination Date:** 29 - 30 October 2012

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			WMAPSWB526
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			SR607486

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0069 **Examination Date:** 29 - 30 October 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: **None**

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody		5 November 2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

Carolina Jostens	Carolina Jostens	NCR-SRS-1721-12	1-14-13
SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

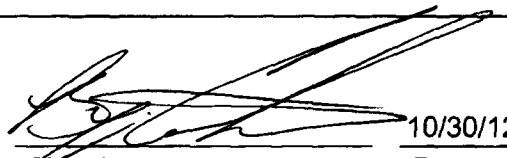
Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0069		
Examination Date: 10/29/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Georgia N. Kareis	Georgia N. Kareis	10/29/12
Printed Name	Signature	Date

3

BDR For Container SRC07486

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0069		
Examination Date: 10/30/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : # 8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Byron Gelderman		10/30/12
Printed Name	Signature	Date

3A

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0069
Examination Date:	10/29/2012
Waste Container ID:	SR607486
Video/Audio Recorded Media Number:	SRLBR0069 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-B
Waste Container Weights:	Gross Wt.: 63.0 kg Tare Wt.: 33.4 kg Net Wt.: 29.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

Waste Container ID: SR607486

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Utility knife top of drum, metal wire, scrap metal, hand tool
AM:	
OM:	
OI:	Absorbent
C:	Tape
R:	
XPM:	Plastic bags, absorbent pads, plastic sheeting, plastic container/liner cut
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	6.0
Cellulosics (C):	0.5
Rubber (R):	
Plastics (waste materials) (XPM):	22.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	29.6

CCP Radiography Data Sheet

Waste Container ID: SR607486

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	10/29/2012
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0069

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0069

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: 14. All containers match the Waste Matrix Code and Waste Stream Description ~~except SR6074774~~. JMB 10/31/12 JMB 1/9/13

I have reviewed all changes to this BDR and find it acceptable. JMB 1/9/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
John Brookshire	John Brookshire John Brookshire	10/31/12 1/9/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRSRTR0573 **Examination Date:** 4/3,10/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			GMS 4-26-12
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR70386 A SR66257 SWD081395 BCSWB04B SR61016020 SWD041108B SR61016021 SR61016022 SWD061716 SR108180 SR92625 MDL310308 B RW 5/30/2012 SR61094516 SR79178 SR503751B KAC1100007 SR506616 SR54321409 SR70390 SR172039A BSS 5/21/12
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			BSS 5/21/12
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0599-12 ~~Hold~~ SR172039A NCR-SRS-0648-12 Use As Is SR506616
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			EXCEPT: ~~NCR-SRS-0599-12 Hold SR172039A~~ BSS 5/21/12

CCP RECORDS ORIGINAL
DATE REC'D 04/16/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRSRTR0573 **Examination Date:** 4/3,10/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			EXCEPT: ~~NCR-SRS-0589-12 H&I SR172039A~~ BSS 5/21/12
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	NO DISCREPANCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRSRTR0573 **Examination Date:** 4/3,10/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments:NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Lauren Nelson	Lauren Nelson	4-16-12
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

Joshua Houghton		Change Container ID	4-26-12
SPM Printed Name	Signature	Reason	Date
BSSchrock	BSSchrock	Correction SR-1720-3A	5/21/12
SPM Printed Name	Signature	Reason	Date
ROGER WHITEAKER	Roger Whiteaker	CORRECTION MOL310308B	5/30/12

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRSRTR0573		
Examination Date: 4/3/12		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 11 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator: Steve Redmond — Signature — 4/3/12 Printed Name — Signature — Date		

BDR For Container

SR108180

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRSRTR0573		
Examination Date: 4/10/12		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator: Steve Redmond — Printed Name	— Signature	4/10/12 — Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRSRTR0573
Examination Date:	04/10/12
Waste Container ID:	SR108180
Video/Audio Recorded Media Number:	SRSRTR0573 C
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-B
Waste Container Weights:	Gross Wt: 61.0 kg. Tare Wt: 33.4 kg. Net Wt: 27.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	Fiberboard Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR108180

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, metal caps, breached aerosol can
Absorbent, glass containers
Cloth, mop heads
Rubber gloves
Plastic bags, plastic tubing, plastic liner lid

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	2.0
Others: Fiberboard Liner	3.7
Total Packaging Weight:	33.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	4.3
Cellulosics (C):	17.6
Rubber (R):	0.3
Plastics (waste materials) (XPM):	4.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	27.6

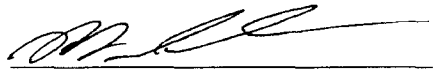
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR108180

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1.)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes *incompatible* with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Steve Redmond		04/10/12
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRSRTR0573

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	☐ N/A
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 11	☐ NO	☑ YES	☐ N/A
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	☐ N/A
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	☐ N/A
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	☐ N/A
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	☐ N/A
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	☐ N/A
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	☐ N/A
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	☐ N/A
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	☐ N/A
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	☐ N/A
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	☐ N/A
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	☐ N/A
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A

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4/12/12

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRSRTR0573

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	☐ N/A
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	☐ N/A

Comments:

14. All containers match the Waste Stream Description and the Waste Matrix Code except, ~~SR172039A and~~ SR506616.

alc 5/10/12

alc 5/10/12

I have reviewed and agree with all changes to this BDR.

alc 5/10/12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
Andrea Huff	Andrea Huff	4/12/12
	Andrea Huff	5/10/12

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alc 4/12/12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0220 **Examination Date:** 12/12-13/11

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SR513995 SR80930 SR509714 SR503732 SR80971 SR504716 SR526264 SR526226 SR526224 SR545535 SR501117 SR570545 SR522331
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X		FILLED X	NCR - RHSRS-0914-12
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

CCP RECORDS ORIGINAL
DATE RECD 1-11-12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0220				Examination Date: 12/12-13/11
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	NO DISCREPENCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0220 **Examination Date:** 12/12-13/11

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name	Signature	Date
Laura Nelson	Laura Nelson	1/10/2012

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
Michael Valentine	Michael Valentine	NCR-RHSRS-0914-12	6/6/12

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Batch Data Report No.: SR4RTR0220 Date: 12/13/11

Waste Container ID Numbers	
Replicate Scan:	SR80930
Independent Observation:	SR513955
1	SR513955
2	SR80930
3	SR509714
4	SR503732
5	SR90971
6	SR504716
7	SR526264
8	SR526226
9	SR526224
10	SR545535
11	SR501117
12	SR570545
13	SR522331
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

Independent Technical Reviewer:

HARDIP S. DHINGRA (Printed Name) H. S. Dhingra (Signature) 12/28/2011 (Date)

HARDIP S. DHINGRA H. S. Dhingra 1/4/2012

Steve Redmond 5-21-12

CCP RECORDS ORIGINAL
DATE REC'D 12/28/11

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0220 Date: 12/13/11

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	~~49 N/A~~ 5-21-12
6	CCP Independent Technical Reviewer Checklist	~~52 49~~ 5-21-12

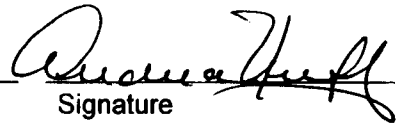
Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev. 11, CCP RTR Measurement Control Report.

Byron Gelderman
RTR Operator

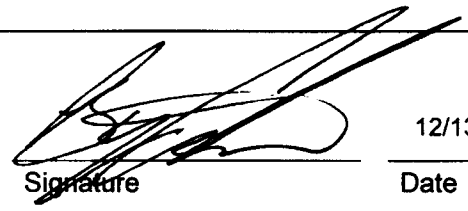
Signature

12-14-11
Date 5-21-12

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0220		
Examination Date: 12/12/11		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 15 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator: Andrea Huff  12/12/11 Printed Name Signature Date		

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0220		
Examination Date: 12/13/11		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 15 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman (Printed Name)  (Signature) 12/13/11 (Date)		

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☑ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR80930
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-733A.01
Waste Container Weights:	Gross Wt: 56.0 kg. Tare Wt: 37.4 kg. Net Wt: 18.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR80930

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, scrap metal, electrical device
Glassware, absorbent
Plastic bags, plastic containers, plastic labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	13.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.7
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.6

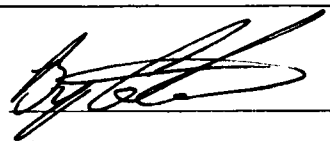
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR80930

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1.)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: This Replicate Scan agrees with the original scan.

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☑ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR513955
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 63.0 kg. Tare Wt: 36.1 kg. Net Wt: 26.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR513955

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, bolt, nut
Absorbent
Roll of tape
Leaded gloves, rubber gloves
Plastic liner lid, plastic bags, open plastic bucket, plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	3.8
Cellulosics (C):	0.4
Rubber (R):	7.0
Plastics (waste materials) (XPM):	15.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	26.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR513955

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: This Independent Observation agrees with the original scan.

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR513955
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 63.0 kg. Tare Wt: 36.1 kg. Net Wt: 26.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR513955

Section 3: Container Inventory and Comments (Detailed descriptions)
Nuts, bolts, scrap metal
Absorbent
Roll of tape
Leaded gloves, rubber gloves
Plastic liner lid, plastic bags, plastic bucket - open, plastic lid, plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	3.0
Cellulosics (C):	0.2
Rubber (R):	4.5
Plastics (waste materials) (XPM):	18.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	26.9

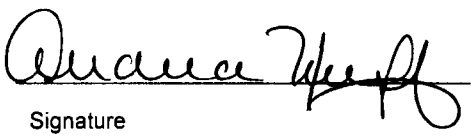
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR513955

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Andrea Huff		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR80930
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt: 56.0 kg. alr 12/15/11 Tare Wt: ~~38.4~~ 37.4 kg. alr 12/15/11 Net Wt: ~~17.6~~ 18.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR80930

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal can - open, scrap metal, small electrical device
Absorbent, glassware, light bulb
Plastic bags, plastic containers, electrical cord

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	~~8.4~~ 7.4
Others:	0.0
Total Packaging Weight:	~~38.4~~ 37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	~~10.2~~ 11.7
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.4
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	4.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	~~17.1~~ 18.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR80930

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
	aeh 12/12/11	
Is there observable liquid?	☑	~~☑~~
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: aeh 12/12/11
~~N/A~~
After further review with second operator performing replicate scan, I agree that there is 200mls of observable liquid between the liner and drum at 32". aeh 12/12/11

RTR Operator:

Andrea Huff	Andrea Huff	12/12/11
Print Name	Signature	Date

Andrea Huff 12/15/11

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR509714
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt: 51.0 kg. Tare Wt: 36.1 kg. Net Wt: 14.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR509714

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal lids, metal cans, scrap metal, screws
Glassware, absorbent
Coveralls
Rubber glove
Plastic bags, liner lid, plastic labware, plastic containers, plastic caps

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	6.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.1
Cellulosics (C):	0.9
Rubber (R):	0.3
Plastics (waste materials) (XPM):	5.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR509714

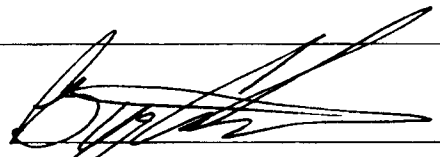
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR503732
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt: 62.0 kg. Tare Wt: 36.1 kg. Net Wt: 25.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR503732

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, scrap metal, metal pipes and fittings, metal beaker, metal cap, hand tool
Glassware, absorbent
Piece of rubber
Plastic bags, liner lid, plastic containers, plastic labware, open plastic bucket

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	13.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.9
Cellulosics (C):	
Rubber (R):	0.1
Plastics (waste materials) (XPM):	10.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR503732

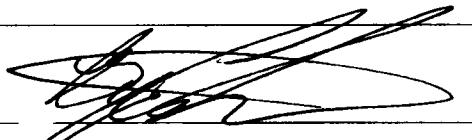
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR90971
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt: 54.0 kg. Tare Wt: 36.1 kg. Net Wt: 17.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR90971

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal can, hand tools, scrap metal Absorbent, glassware Plastic bags, liner lid, plastic containers, plastic labware, plastic caps

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	8.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	3.1
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	6.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	17.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR90971

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR504716
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	~~BWG~~ 5-21-12 ~~☑NO~~ ☑YES ~~BWG~~ 5-21-12 NCR No.: ~~N/A~~ NCR-RHSRS-0914-12 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt: 54.0 kg. Tare Wt: 36.1 kg. Net Wt: 17.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR504716

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, scrap metal, metal lids, saw blade at 12"
Absorbent, glassware
Coveralls
Piece of rubber
Plastic bags, liner lid, plastic labware, tygon tubing, plastic containers BWC 5-21-12

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	9.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.3
Cellulosics (C):	0.9
Rubber (R):	0.1
Plastics (waste materials) (XPM):	6.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	17.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR504716

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: ~~N/A~~ NCR-RHSRS-0914-12 Waste material parameter was called on video but was not listed on section 3 of Attachment 2. BWC 5-21-12

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date 5-21-12

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR526264
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 53.0 kg. Tare Wt: 37.4 kg. Net Wt: 15.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526264

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, nuts, bolts, washers, scrap metal Absorbent Plastic bags

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	10.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	3.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526264

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/12/11
Waste Container ID:	SR526226
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 58.0 kg. Tare Wt: 37.4 kg. Net Wt: 20.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	50 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526226

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal cans, hand tool, scrap metal, bolts, metal pipes and fittings Absorbent Rolls of tape Rubber hose, rubber gasket material Plastic bags, open plastic container, plastic labware

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	11.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	3.3
Cellulosics (C):	1.2
Rubber (R):	1.9
Plastics (waste materials) (XPM):	3.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	20.6

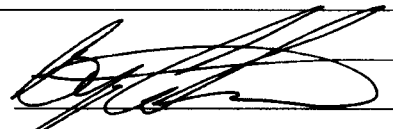
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526226

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/12/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/13/11
Waste Container ID:	SR526224
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 66.0 kg. Tare Wt: 37.4 kg. Net Wt: 28.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	50 %

12-14-11
-37 34

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526224

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal can, metal fittings, scrap metal, metal sieve, hand tools
Absorbent
Leaded gloves
Plastic bags, tygon tubing, small plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	19.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.4
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	4.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	28.6

BLG 12-14-11
~~38~~
35

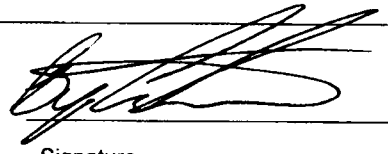
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR526224

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/13/11
Print Name	Signature	Date

BWG 12-14-11
39
36

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/13/11
Waste Container ID:	SR545535
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 64.0 kg. Tare Wt: 37.4 kg. Net Wt: 26.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR545535

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal containers
Aluminum glove portals
Absorbent
Leaded gloves
Plastic bags

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	19.5
Aluminum-based Metals / Alloys (AM):	0.4
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	5.2
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	26.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR545535

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman — Print Name

Signature

12/13/11 — Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/13/11
Waste Container ID:	SR501117
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-235F.01
Waste Container Weights:	Gross Wt: 85.0 kg. Tare Wt: 36.1 kg. Net Wt: 48.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR501117

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal beaker, scrap metal, bolts, breached aerosol cans, metal cans, hand tool, metal lids
Absorbent
Cardboard containers, paint brush
Leaded gloves
Plastic bags, liner lid, plastic containers

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	40.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.1
Cellulosics (C):	0.4
Rubber (R):	5.2
Plastics (waste materials) (XPM):	2.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	48.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR501117

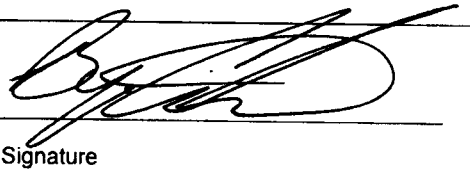
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/13/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/13/11
Waste Container ID:	SR570545
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR ~~324~~ 325 AWG 12-14-11
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 53.0 kg. Tare Wt: 37.4 kg. Net Wt: 15.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	55 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR570545

Section 3: Container Inventory and Comments (Detailed descriptions)
Open metal bucket, scrap metal, hand tools Absorbent Plastic bags

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	13.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR570545

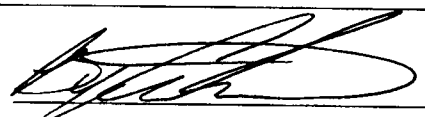
Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑

CH or RH TRAMPAC

Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/13/11
Print Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0220
Examination Date:	12/13/11
Waste Container ID:	SR522331
Video/Audio Recorded Media Number:	SR4RTR0220 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☑ NO ☐ YES NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321,SR322 and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt: 67.0 kg. Tare Wt: 37.4 kg. Net Wt: 29.6 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Mechanical Vent
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR522331

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal pipes and fittings, metal can, scrap metal, bolts Absorbent Plastic bags, tygon tubing

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	30.0
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	37.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	27.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.1
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	29.6

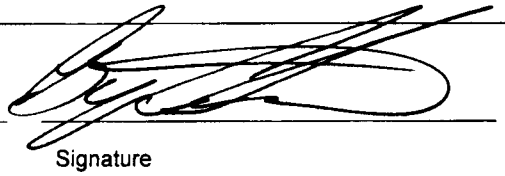
Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: SR522331

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block, except for Question 1)	Yes	No
Is there observable liquid?	☐	☑
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☑
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☑
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☐	☑
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: N/A

RTR Operator:

Byron Gelderman		12/13/11
Print Name	Signature	Date

Attachment 1 – CCP Nonconformance Report (NCR)

NCR No. NCR-RHSRS-0914-12 Revision 0

1. Lot No./Heat No. or Serial No. (as applicable): N/A	2. Process (e.g., NDA, HSG, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0220
4. Order/Work Order/Job Control Number (as applicable): N/A	5. PO # (as applicable): N/A	Container #(s): SR504716
	6. Supplier (as applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7. (a) NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7. (b) Description of Nonconformance Required Condition (Implementing Procedure, Revision, Section, & Text):

CCP-TP-053 Rev.11, Section 4.4.1 [E] states in part...Record the results verbally AND in Section 3, Container Inventory and Comments of Attachment 2.

7. (c) Actual Condition

During the quarterly review of this container the ITR identified that a waste material parameter was not listed on the Attachment 2 after the operator clearly stated it multiple times throughout the scan.

8. NCR Originator (Print name, sign, and date) Steve Redmond 5-10-12	9. CCP QA Engineer or Designee Validation (Print name, sign, and date) Steve Muse 5/10/12

9a. Does the identified condition have the potential to impact AK? ☐ YES ☒ NO ☐ INDETERMINATE
If YES or INDETERMINATE, then apply Trend Code L in Block 12.

9b. Have the CCP HOLD TAGS associated with the NCR been applied? ☐ YES ☒ NO If no is marked, provide an explanation. Due to ALARA considerations, NCR tagging will not be applied for this NCR, Administrative control will be applied through container entry in the CCP Data Center. In addition, a listing of containers has been posted on the CCP sftp site, identifying those containers where NCR tagging is not being applied due to ALARA. Container information for this NCR has been included in the listing, which is to alert Mobile Loading Unit personnel as a second control mechanism for non-tagged containers. The current listing has been posted to the sftp site.

10. Significant Condition? (If Yes, List CAR) ☐ YES ☒ NO	11. Recurring Condition? ☐ YES ☒ NO (If YES, List NCRs/CARs)
12. Trend Code: A	13. Responsible Manager: Georgia N. Kareis

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0914-12 Revision 0	
INTERIM DISPOSITION	
14. Interim Disposition (Check One) ☒ N/A (See Final Disposition) ☐ Hold ☐ Conditional Accept ☐ Conditional Use ☐ Sort ☐ Reinspect/Retest ☐ Remediate (a) Instructions for Completion of the Interim Disposition:	
INTERIM DISPOSITION APPROVALS	
15 .Responsible Manager/Individual (Print, sign, and date)	16. CCP QA Engineer or Designee (Print, sign and date)
Additional Approvals: (Print, sign and date)	Additional Approvals: (Print, sign and date)
COMPLETION OF INTERIM DISPOSITION	
17. Interim Disposition Complete Responsible Manager/Individual: (Print, sign and date)	
18. Interim Disposition Verified CCP QA Engineer: (Print, sign and date)	

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-RHSRS-0914-12 Revision 0	
FINAL DISPOSITION	
19. Final Disposition (Check One) ☐ Use-As-Is ☐ Reject ☐ Repair ☒ Rework ☐ Scrap	
(a) Technical Justification (Required for Use-As-Is and Repair dispositions, Enter N/A for Reject, Scrap, or Rework dispositions.) N/A	
(b) Instructions for Completion (Required for Reject, Repair, Rework and Scrap – Enter N/A for Use-As-Is). 1. DGL to correct the Attachment 2 Data Sheets. 2. The BDR to go back through ITR. 3. SPM to review the corrections, insert the corrected Data Sheets into the original BDR, and revise the quarterly Data Sheets to include the changes made.	
(c) Corrective Actions (Actions to Prevent Recurrence – Required for Repair and Rework; Enter N/A for Use-As-Is-, Reject, and Scrap). N/A	
FINAL DISPOSITION APPROVALS	
20. Responsible Manager/Individual: (Print, sign, and date) Georgia N. Kareis Georgia N. Kareis 5-10-12	21. CCP QA Engineer or Designee: (Print, sign, and date) Steve Muse 5/10/12
Additional Approvals: (Print, sign, and date)	Additional Approvals: (Print, sign, and date)
CLOSURE	
22. Final Disposition Complete Responsible Manager/Individual: (Print, sign, and date)	
23. Attachments:	
24. (a) HOLD TAG removal has been validated and reconciled for all nonconforming items on the NCR. ☐ (b) Check if not applicable (N/A) and provide an explanation here or on a continuation sheet. ☐	
25. Final Disposition Verified – NCR Closed	CCP QA Engineer: (Print, sign, and date)

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0220

Description				
1	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	☐ N/A
2	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 11	☐ NO	☑ YES	☐ N/A
3	Are the WMPs entered correctly?	☐ NO	☑ YES	☐ N/A
4	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	☐ N/A
5	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	☐ N/A
6	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	☐ N/A
8	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	☐ N/A
9	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	☐ N/A
10	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	☐ N/A
11	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	☐ N/A
15	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	☐ N/A
16	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	☐ N/A
17	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	☐ N/A
18	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A

~~49~~ 52 5-21-12

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0220

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
21	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	☐ N/A
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☑ NO HSD 1/4/12	☑ YES 5-21-12	☒ N/A HSD 1/4/12
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	☐ N/A

Comments:

~~N/A~~ 5-21-12 I have reviewed and agree with all changes to this BDR. 5-21-12
The original ITR operator is not available. Another qualified ITR operator performed these changes. 5-21-12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
Hardip Singh Dhingra	H.S. Dhingra	12/28/2011

HARDIP SINGH DHINGRA H.S. Dhingra 1/4/2012
Steve Redmond 50 5-21-12 53 5-21-12

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	BRIAN MOODY
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S.M. STOLLER
	MS GSA-212	Telephone Number:	803-208-8364
	CARLSBAD, NM 88220-9082	Date Sent:	05/21/12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0220	CORRECTION TO NDE BATCH REPORT COVER SHEET	05/21/12	1
SR4RTR0220	CORRECTION TO TABLE OF CONTENTS SHEET	05/21/12	1
SR4RTR0220	CORRECTION TO DATA SHEETS FOR CONTAINER SR504716	05/21/12	3
SR4RTR0220	CCP NONCONFORMANCE REPORT NCR-RHSRS-0914-12	05/10/12	10
SR4RTR0220	CORRECTION TO ITR CHECKLIST	05/21/12	2
N/A	N/A	N/A	N/A

Comments

PLEASE FORWARD CORRECTIONS TO SPM FOR REVIEW, PAGINATION AND INSERTION INTO THE BDR. THANKS!

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Sheri Punchios Signature	SHERI PUNCHIOS Printed Name	6/6/12 Date
Records Rejected [ ]	_____ Signature	_____ Printed Name	_____ Date

Reason for Rejection:

Re-submittal:

_____ Signature	_____ Printed Name	_____ Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1758
DESTINATION TEL #	918032080975
DESTINATION ID	
ST. TIME	06/06 12:03
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	BRIAN MOODY
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S.M. STOLLER
	MS GSA-212	Telephone Number:	803-208-8364
	CARLSBAD, NM 88220-9082	Date Sent:	05/21/12
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SR4RTR0220	CORRECTION TO NDE BATCH REPORT COVER SHEET	05/21/12	1
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SR4RTR0220	CORRECTION TO DATA SHEETS FOR CONTAINER SR504716	05/21/12	3
SR4RTR0220	CCP NONCONFORMANCE REPORT NCR-RHSRS-0914-12	05/10/12	10
SR4RTR0220	CORRECTION TO ITR CHECKLIST	05/21/12	2
N/A	N/A	N/A	N/A

Comments

PLEASE FORWARD CORRECTIONS TO SPM FOR REVIEW, PAGINATION AND INSERTION INTO THE BDR. THANKS!

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 3 – Visual Examination Site Project Manager Checklist

Batch Data Report No.: SESRHVE1300 1

1. Has all the data received an independent technical review as evidenced by a completed checklist (Attachment 2) and the appropriate ITR signature?		☐ NO	☑ YES
2. Are BDR contents complete and match the Visual Examination Batch Data Report Table of Contents?		☐ NO	☑ YES
3. Is the BDR complete (appropriately filled in forms for each container)?		☐ NO	☑ YES
4. Have the RH Quality Assurance Objectives (QAOs) for VE been met?			
Precision – reconciled discrepancies between operators		☐ NO	☑ YES
Accuracy – trained operators		☐ NO	☑ YES
Representativeness – description of container contents		☐ NO	☑ YES
Completeness – completed data form and/or recording		☐ NO	☑ YES
Comparability – proper training and adequate AK for unopened containers		☐ NO	☑ YES
5. Were NCRs generated included in the BDR?	☐ NO	☐ YES	☑ N/A

Comments

No NCRs

SPM:

Laura Nelson
Printed Name

Laura Nelson
Signature

8/22/13
Date

NTPC RECORDS ORIGINAL
DATE REC'D 8/22/13

Attachment 4 – Visual Examination Batch Data Report Cover Sheet

Batch Data Report No.: ~~SRSRHVE001~~ SRSRHVE13001 SP 8-8-13 Date: 8-7-13

	Waste Container ID Number:
1	SDD076307
2	SDD076309
3	SDD076308
4	
5	
6	
7	
8	
9	
10	
11	N A
12	
13	SP 8-7-13
14	
15	
16	
17	
18	
19	
20	

NTPC RECORDS ORIGINAL
DATE REC'D 8/22/13

Attachment 5 – Visual Examination Batch Data Report Table of Contents

Batch Data Report No.: ~~SRSRHVE0001~~ SRSRHVEI3001 8-8-13 Date: 8-7-13

Item	Description	Page No.
1	Visual Examination Batch Data Report Cover Sheet (Attachment 4)	1
2	Visual Examination Batch Data Report Table of Contents (Attachment 5)	2
3	Visual Examination Data Forms (Attachment 1)	3
4	Visual Examination Independent Technical Reviewer Checklist (Attachment 2)	12
5	Copy of NCRs (N/A [If not applicable])	N/A

Attachment 1 – Visual Examination Data Form

Site ID: RH/SRS			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076307	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐ Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - NucFil-0MDS Serial # AM-1430			

Waste Description:

Wood Bracing (c)
Aluminum sleeve/Holder (AM) JMC-2-02-02
Serial # MRPuBBe29

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: ~~SDD76307~~ 600076307 SP 8-7-13	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - Nuchil-01905 Serial # AM-1430			

Waste Description:
Wood Bracing (c)
Aluminum Sleeve/Holder (AM)
MRPu8Be29 #~~Pu8Be29~~ SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

SP 3A 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076307

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages Superseded due To collections Being Made

Visual Examination Operator 1:
Spencer Pattee (Print Name) — Signature — Date: 8-15-13

Visual Examination Operator 2:
Anthony Harley (Print Name) — Signature — Date: 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

SDD076307

Container or Package ID Number ~~SDD76307~~ SP 8-7-13

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

8-8-13

8-7-13

Visual Examination Operator 1:
Spencer Pattee
Print Name — Signature — Date 8-6-13

Visual Examination Operator 2:
Anthony Harley
Print Name — Signature — Date 8-7-13 ~~8-6-13~~ 8-8-13

8-7-13 A.H

SP 8-15-13

SUPERSEDED
SP 8-15-13

SP 4A

Special Form Capsule Traveler Sheet

Special Form Container Identification number: JMC-2-02-02 A

Visual Inspection results: OK A

1. QA container gap measurement without plug in place: .011 Q

2. QA container gap measurement with plug in place: .037 Q

3. Record gap measurement after shear off of nut: .025

4. Record the difference between line 2 and line 3: .012

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MR PuBe 89

Material Description: Isotope(s): Pu 238

Activity: 94.75 Ci

Dimensions of sources placed in this SFC: 0.83" x 23.6"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: Joseph A. Tompkins

Signature of SFC packager: J. A. Tompkins Date: 9-26-02

Verified Source I Mahoney 9-26-02

Attachment 1 – Visual Examination Data Form

Site ID: RH/SRS			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076309	
Container Type:		Container Type: 15 Gal. Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - NUCFIL-0190S Serial # AM-1446			

Waste Description:

Wood Bracing (c)

Aluminum sleeve/Holder (AM) CMC-2-04-02
Serial # MRPu8Be45

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒ N/A		**Final Container** ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076309	
Container Type:		Container Type: 15 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - Nuchi-019DS Serial # AM-1446			

Waste Description:

Wood Bracing (c)

Aluminum ~~Glass~~ Sleeve / Holder (AM) SP 8-7-13

MRPuBe 45

~~MRPuBe 4~~ SP 8-8-13

~~# PuBE-45~~ SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

6A

SP 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076309

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages superseded due To corrections Being made.

Visual Examination Operator 1:
Spencer Pattee (Print Name) — Signature — Date: 8-15-13

Visual Examination Operator 2:
Anthony Harley (Print Name) — Signature — Date: 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076309

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

[signature] 8-8-13

Visual Examination Operator 1:
Spencer Pattee (Print Name) [signature] (Signature) 8-7-13 (Date)

Visual Examination Operator 2:
Anthony Harley (Print Name) [signature] (Signature) 8-7-13 (Date)

[signature] 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

7A

SP 8-15-13

DRS

Special Form Capsule Traveler Sheet

Special Form Container Identification number: CMC-2-04 02

Visual Inspection results: OK

1. QA container gap measurement without plug in place: .054

2. QA container gap measurement with plug in place: .051

3. Record gap measurement after shear off of nut: .031

4. Record the difference between line 2 and line 3: .020

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MRPUP&E 45

Material Description: Isotope(s): Pu 238

Activity: 22.90 Ci

Dimensions of sources placed in this SFC: 0.93 od x 19.75" oahl

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: Joseph A. Tompkins

Signature of SFC packager: J. A. Tompkins Date: 9-25-02

Verified Source J Mahoke

9/25/02

Attachment 1 – Visual Examination Data Form

Site ID: RHSRS			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒ N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076308	
Container Type:		Container Type: 15 Gal. DNM	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐ Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A

Comments (e.g., filter information, NCRs):
Filter - NUCFIL-0190S Serial # AM-1425

Waste Description:
Wood Bracing (c)
Aluminum sleeve/Holder (AM) CMC-2-OS-02
Serial # MRPU8Be44

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-7-13		Batch Number: SRS RHVE 13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: SDD07630B	
Container Type:		Container Type: 15 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A

Comments (e.g., filter information, NCRs):
Filter - Nucfil-019DS Serial # AM-1425

Waste Description:

Wood Bracing (c)
Aluminum sleeve/Holder (AM) # ~~RUBBE44~~ MRUBBe 44 SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

9A

SP

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076308

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages superseded due To corrections Being made

Visual Examination Operator 1:
Spencer Pattee
Print Name
Signature
Date 8-15-13

Visual Examination Operator 2:
Anthony Harley
Print Name
Signature
Date 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076308

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

[signature] 8-8-13

Visual Examination Operator 1:
Spencer Pattee (Print Name) [signature] (Signature) 8-7-13 (Date)

Visual Examination Operator 2:
Anthony Harley (Print Name) [signature] (Signature) 8-7-13 (Date)

[signature] 8-8-13

SP 8-15-13

SUPERSEDED

SP

10A

SP

16 pcs SK

Special Form Capsule Traveler Sheet

Special Form Container Identification number: CINC-2-05-02

Visual Inspection results: OK

1. QA container gap measurement without plug in place: .016
2. QA container gap measurement with plug in place: .051
3. Record gap measurement after shear off of nut: .030
4. Record the difference between line 2 and line 3: .021

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MLPuBE 44

Material Description: Isotope(s): Pu 238 Be

Activity: 16.58 Ci

Dimensions of sources placed in this SFC: 0.85" x 1.8"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: J. A. Tenbrink

Signature of SFC packager: J. A. Tenbrink Date: 9-25-02

Verified source I Mabe

J Mabe 9-25-02

Attachment 2 – Visual Examination Independent Technical Reviewer Checklist

Batch Data Report No.: SRSRHVE13001

1. Were data generation and reduction conducted in a technically correct manner in accordance with the methods (procedure) used?	☐ NO	☒ YES	☐ N/A
2. Was the correct revision of the operating procedure used?	☐ NO	☒ YES	☐ N/A
3. Were all the transcription errors corrected?	☐ NO	☒ YES	☐ N/A
4. Are BDR contents complete and match the Visual Examination Batch Data report Table of Contents?	☐ NO	☒ YES	☐ N/A
5. Does the BDR include VE for no more than 20 containers?	☐ NO	☒ YES	☐ N/A
6. Is all data recorded signed and dated in reproducible ink?	☐ NO	☒ YES	☐ N/A
7. Is all raw data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	☐ N/A
8. Are all changes to original data lined out, initialed and dated by the individual making the changes or an individual authorized to make the change?	☐ NO	☒ YES	☐ N/A
9. Is there an adequate written description of the contents?	☐ NO	☒ YES	☐ N/A
10. Were the recording equipment checks satisfactory?	☐ NO	☐ YES	☒ N/A
11. Has each container in this BDR been evaluated for the presence of prohibited wastes?	☐ NO	☒ YES	☐ N/A
12. Has the physical waste form in each container in this BDR been evaluated against the Waste Stream Description and the Waste Matrix Code?	☐ NO	☒ YES	☐ N/A
13. Have the RH Quality Assurance Objectives (QAOs) for VE been met?	☐ NO	☒ YES	☐ N/A
Precision – reconciled discrepancies between operators or between the operator and ITR.	☐	☒	☐
Accuracy – trained operators	☐	☒	☐
Representativeness – description of container contents	☐	☒	☐
Completeness – completed data form and/or recording	☐	☒	☐
Comparability – proper training and adequate AK source documents are available for unopened containers.	☐	☒	☐
14. Were NCRs generated included in the BDR?	☐ NO	☐ YES	☒ N/A
Comments: None			

Independent Technical Reviewer:

F. Wesley Root	F. Wesley Root	08-19-13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	Sheila Pearcy	From:	Wes Root
Ship to:	S.M. Stoller Rec. Mgmt. Govt.	Site:	ANL-E
	CCP Records	Company:	Nuclear Waste Partnership LLC
	4021 National Parks Hwy	Telephone Number:	630-252-8306
	Carlsbad, NM 88220	Date Sent:	8-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	Batch Data Report – Waste Container ID Numbers: SDD076307, SDD076309, SDD076308.	8-7-13	18
	WR 8-19-13		

Comments

SRS RH BDR

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	JEFF PATTERSON Printed Name	8/22/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2203
DESTINATION TEL #	916302526706
DESTINATION ID	WES ROOT
ST. TIME	08/22 10:48
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

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[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	Sheila Pearcy	From:	Wes Root
Ship to:	S.M. Stoller Rec. Mgmt. Govt.	Site:	ANL-E
	CCP Records	Company:	Nuclear Waste Partnership LLC
	4021 National Parks Hwy	Telephone Number:	630-252-8306
	Carlsbad, NM 88220	Date Sent:	8-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	Batch Data Report – Waste Container ID Numbers: SDD076307, SDD076309, SDD076308.	8-7-13	18
	WR 8-19-13		

Comments

SRS RH BDR

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/22/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	SPM Checklist	8/22/13	1
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Printed Name: JEFF PATTERSON	Date: 8/22/13
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2214
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	08/22 12:30
TIME USE	00'19
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7085

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/22/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	SPM Checklist	8/22/13	1
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: BC0024 SR607480 SR607482 SR607486 SR14706110 SR54064312 SR54300702
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NOT APPLICABLE
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1/17/13

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NONE				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Adela M. Cantú	Adela M Cantu	1/17/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1301

Description		YES	NO	NA	
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	√			
Sampling Documentation		**YES**	**NO**	**NA**	**Comments**
2.	Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	√			
3.	Did the containers meet the DAC?	√			
4.	Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	√			
5.	Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	√			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	√			
Quality Control Samples					
Precision		**YES**	**NO**	**NA**	**Comments**
6.	Was a Field Duplicate collected once per batch?	√			
Accuracy		**YES**	**NO**	**NA**	**Comments**
7.	Was a Field Reference Sample collected?			√	
8.	Was a Field Blank collected one per batch prior to sampling containers?	√			
Completeness		**YES**	**NO**	**NA**	**Comments**
9.	Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	√			
Additional Checks		**YES**	**NO**	**NA**	**Comments**
10.	Is the data technically reasonable based upon the technique used?	√			
11.	Was the sampling equipment checked for leaks after sample collection?	√			
12.	Was the data generation and reduction conducted in a technically correct manner?	√			
13.	Was the data reported in proper units and with the correct number of significant figures?	√			
14.	Were the samples maintained at a temperature between 0°C - 40°C?	√			
15.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	√			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1301

Raw Data Collection and Management	YES	NO	NA	Comments
16. Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	✓			
17. Has the data been reviewed for transcription errors?	✓			
18. Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	✓			
19. No more than 20 waste containers are in the batch (excluding the QC samples).	✓			
20. Procedure Number: CCP-TP-093				Revision: 17
21. Is the procedure number and revision correct?	✓			
22. All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	✓			

Independent Technical Reviewer:

Erik Loechell	Erik Loechell	1-16-13
Printed Name	Signature	Date

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 1&2	**Sample Matrix is Gas**	Ambient Conditions	
		COC Number: SRHSG1301		Temperature (centigrade): 27.0	
				Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	010813	EID13	250	5441570	NA	NA	446C	INHSG1205NB	B	NA	1257	1300	30 in Hg	3 in Hg	JA
SR	010813	EID35	250	5441571	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	1 in Hg	JA
SR	010813	EIA96	250	5441572	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	2 in Hg	JA
SR	010813	EI233	250	5441573	SR607480	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1314	1317	30 in Hg	0 in Hg	JA
SR	010813	EIB85	250	5441574	SR607482	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1316	1320	30 in Hg	3 in Hg	JA
SR	010813	EID95	250	5441575	SR607486	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1321	1325	30 in Hg	1 in Hg	JA
SR	010813	EIC06	250	5441576	SR14706110	SR-HBL-235F-HET	446C	INHSG1205NB	SS	Y	1334	1337	30 in Hg	3 in Hg	JA
SR	010813	EI437	250	5441577	SR54064312	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1335	1339	30 in Hg	0 in Hg	JA
SR	010813	EI021	250	5441578	SR54300702	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1330	1334	29 in Hg	0 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

CO

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number: SRHSG1301					
Comments:NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 1/8/13
Shipping Tracking # 800118662240	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 1/8/13
		Min /Max Thermometer	723196 723200	7/12/2013 7/12/2013	JA 1/8/13 JA 1/8/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441579		TID Initials and Date: JA 1/8/13			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 1/8/13 1300		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 1/8/13 1600	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	1	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: NA

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1257	JH
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 27.0	010813	1300	JH
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: NA

Sampler Signature: JH

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

07

BDR For Containers

SR607486

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	3	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 **Drum Number:** BC0024

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	JA
Before Sample Collection	M= 0	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1310	JA
After Sample Collection	M= 0	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	A	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: BC0024

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	~~TBL~~
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 27.0	010813	1310	~~TBL~~
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / ⊘ (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1301 Drum Number: SR607486

Sampling Organization: CEP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1321	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1325	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1301

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	BC0024	3	S5000	Y	Y	0.3	4	2	NucFil-019DS	1	3.7×10^{-6}	3
2	SR607480	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
3	SR607482	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	SR607486	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
5	SR14706110	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
6	SR54064312	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
7	SR54300702	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

17

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number: SRHSG1301

Container ID		Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 & XC0710 Temperature Recorder Calibration Due Date: 3/7/13 & 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BC0024	8/18/1999	8/18/1999	175	4892	75	Y	1/5/13 1250	1/8/13 1250
2	SR607480	6/7/2012	6/7/2012	16	215	60	Y	1/5/13 1250	1/8/13 1250
3	SR607482	6/11/2012	6/11/2012	16	211	60	Y	1/5/13 1250	1/8/13 1250
4	SR607486	6/7/2012	6/7/2012	16	215	90	Y	1/5/13 1250	1/8/13 1250
5	SR14706110	7/27/2012	10/24/2012	56	76	80	Y	1/5/13 1250	1/8/13 1250
6	SR54064312	8/25/2012	11/7/2012	56	62	100	Y	1/5/13 1250	1/8/13 1250
7	SR54300702	7/24/2012	10/25/2012	56	75	95	Y	1/5/13 1250	1/8/13 1250
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

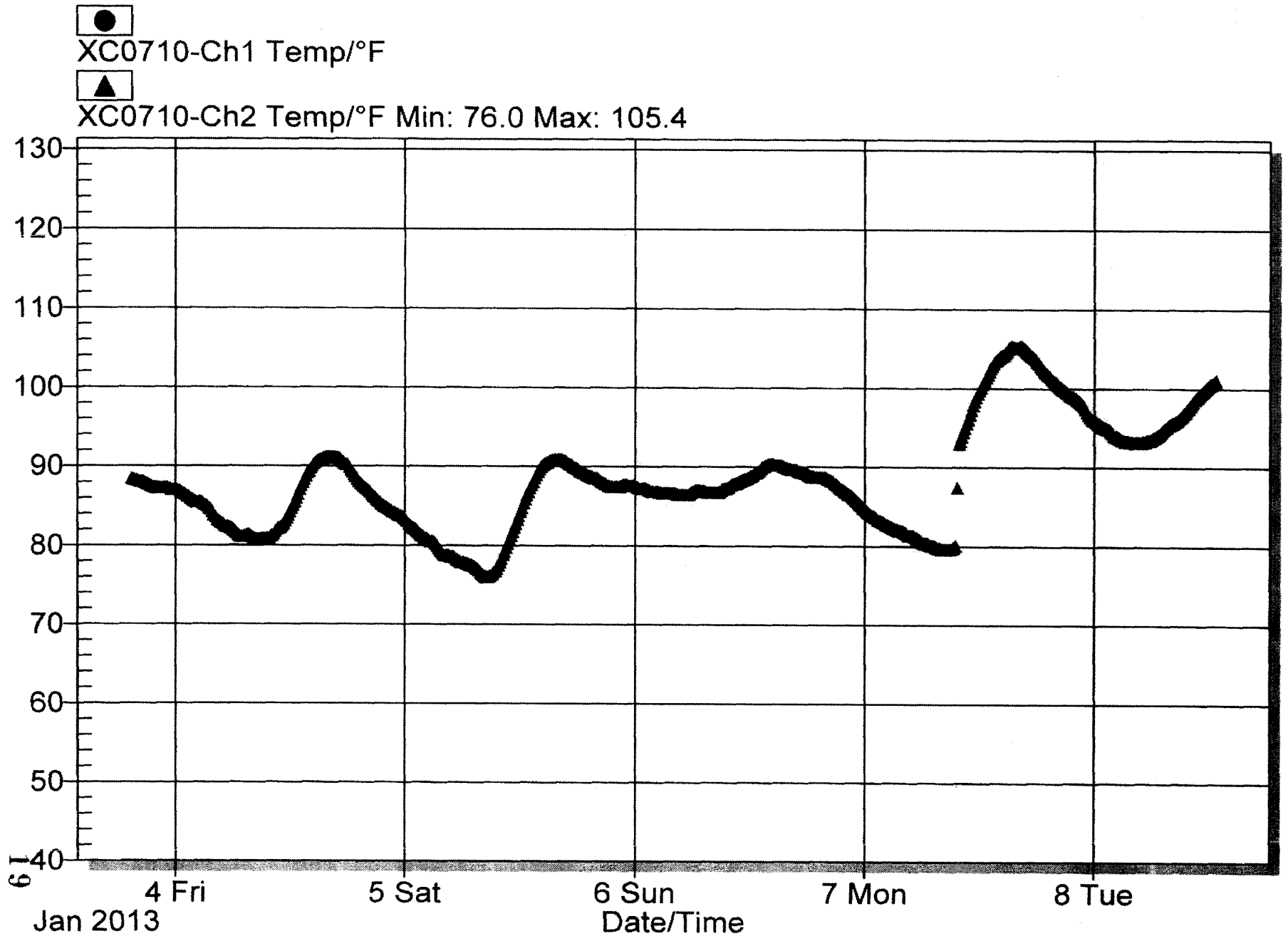
HSG Sampler: James Adams
Print Name

Signature

1/8/13
Date

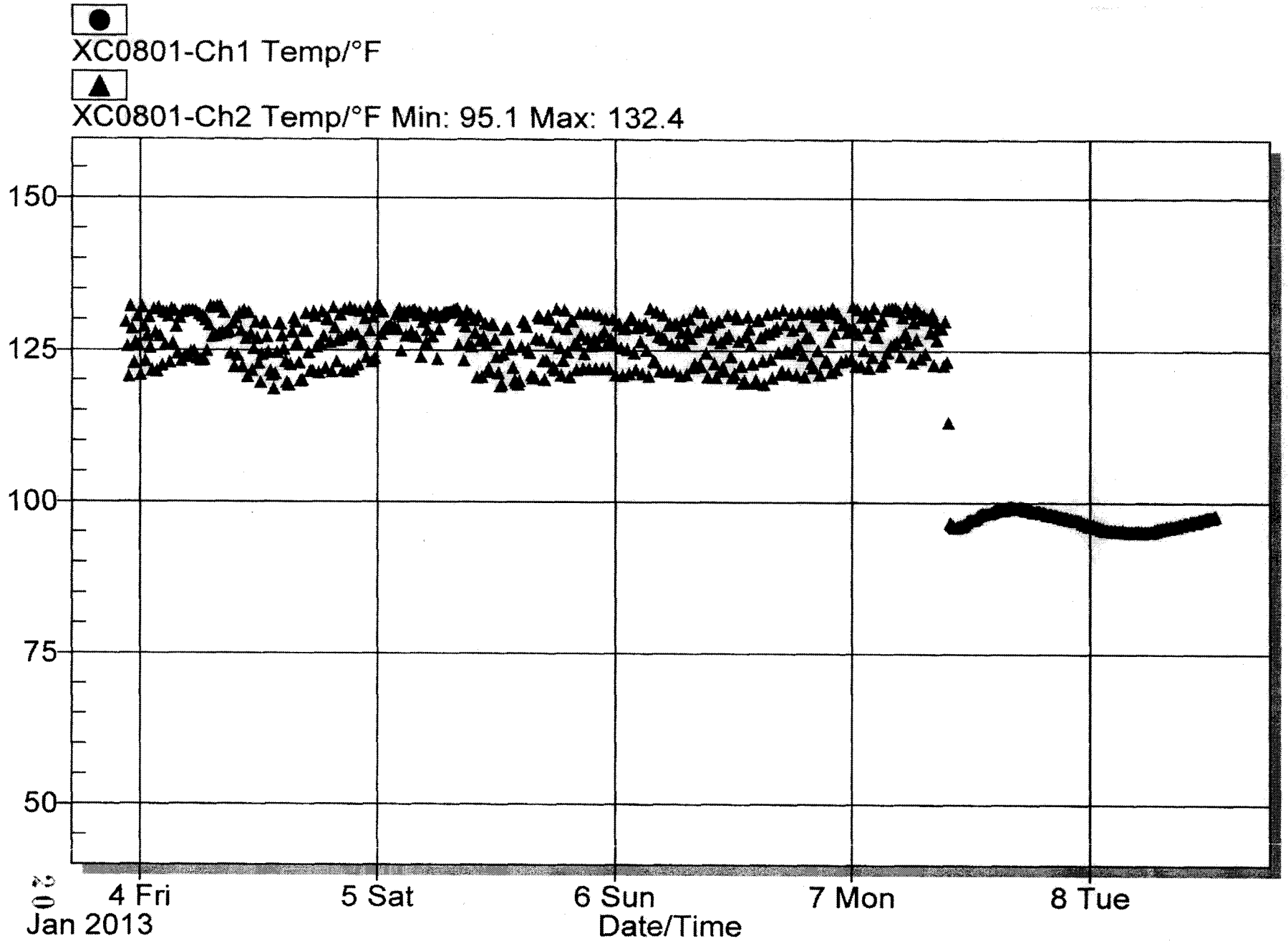
Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 1



Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 2



GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014006		Field Sample ID:	SR010813EID95	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1548	Date Sampled:	1/8/2013	
Lab File ID:	J17JI		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	1.3	J
Benzene	0.29	J
Bromoform	0.023	U
Butanol	0.42	J
Carbon disulfide	0.091	U
Carbon tetrachloride	0.042	U
Chlorobenzene	0.053	U
Chloroform	0.059	U
Chloromethane	0.12	U
Cyclohexane	0.081	U
1,1-Dichloroethane	0.073	U
1,2-Dichloroethane	0.069	U
1,1-Dichloroethylene	0.069	U
cis-1,2-Dichloroethylene	0.071	U
trans-1,2-Dichloroethylene	0.069	U
1,2-Dichloropropane	0.057	U
Ethyl benzene	0.053	U
Ethyl ether	0.093	U
Methyl ethyl ketone	0.14	J
Methyl isobutyl ketone	0.097	J
Methylene chloride	0.079	U
1,1,2,2-Tetrachloroethane	0.036	U
Tetrachloroethylene	0.039	U
Toluene	2.5	J
1,1,1-Trichloroethane	0.053	U
Trichloroethylene	0.051	U
Trichlorofluoromethane	0.051	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.039	U
1,3,5-Trimethylbenzene	0.049	U
1,2,4-Trimethylbenzene	0.047	U
p/m-Xylene	0.057	U
o-Xylene	0.054	U
Methanol	2.2	J

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014006		Field Sample ID:	SR010813EID95	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1548	Date Sampled:	1/8/2013	
Lab File ID:	J17JI		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

Environmental Chemistry Laboratory Independent Technical Review (ITR) Checklist

Analytical Batch:	Data Report Number:	Method : CCP-TP-175
ECL13001M	ECL13002M	

Run#	Analysis Date	Data Generator	ITR Signature	Sections Reviewed	Date of Review
1	1-17-13	S Morgan / C. Crowder	Debi Hahn	1-10	1-23-13
2					
3	NA	NA	NA	NA	NA

Final Independent Technical Reviewer Release Signature: Debi Hahn Sections Reviewed: 1-10 Date: 1-23-13

Instructions: Complete one checklist per analytical batch. If more than three instrument runs were needed to complete the batch analysis, use a second checklist. Enter the appropriate response for each question. Each "No" response requires explanation.

Requirement	Run #1		Run #2		Run #3		Comments
	Yes	No	Yes	No	Yes	No	
1. Instrument Performance Check (BFB Tune)	///	///	///	///	///	///	
a. Was a BFB tune performed each day prior to analysis of samples?	✓		NA	NA	NA	NA	NA
b. Is the raw data present, and signed/initialed and dated by the analyst, for each BFB tune?	✓		NA	NA	NA	NA	NA
c. Do all the BFB tunes meet CCP-TP-175 requirements [Table 2]?	✓		NA	NA	NA	NA	NA
2. Continuing Calibration Verification (CCAL)	///	///	///	///	///	///	
a. Was a CCAL performed each day after the BFB tune and prior to analysis of samples?	✓		NA	NA	NA	NA	NA
b. Is the raw data present, and signed/initialed and dated by the analyst, for each CCAL?	✓		NA	NA	NA	NA	NA
c. Is the %D less than or equal to 30% for all target analytes?	✓		NA	NA	NA	NA	NA
d. Are the retention times of the internal standards within 30 seconds of those in the associated ICAL?	✓		NA	NA	NA	NA	NA
e. Are the internal standard areas within a factor of 2 (i.e., 50 to 200%) of those in the associated ICAL?	✓		NA	NA	NA	NA	NA
3. Laboratory Blanks (LBs)	///	///	///	///	///	///	
a. Was a laboratory blank analyzed daily after the CCAL and prior to analysis of samples?	✓		NA	NA	NA	NA	NA
b. Are all laboratory blank results ≤3 times the program-required MDLs for all target analytes ?	✓		NA	NA	NA	NA	NA
4. Samples (Including LCSs, Blanks and Duplicates)	///	///	///	///	///	///	
a. Are the raw data present, and signed/initialed and dated by the analyst, for all samples listed on the Analysis Request Form, and for all associated LCSs, blanks and duplicates?	✓		NA	NA	NA	NA	NA
b. Are the internal standard areas within a factor of 2 (i.e., 50% to 200%) of those in the associated CCAL?	✓		NA	NA	NA	NA	NA
c. Do the sample component RRT's compare within ± 0.06 RRT units of the standard component in the continuing calibration?	✓		NA	NA	NA	NA	NA
d. Are all analytes found below the MDLs marked with an "X" to the right or left of the concentration on the Quant Report and marked with "No, <MDL", initialed and dated on the following spectral data sheets?	✓		NA	NA	NA	NA	NA
e. Are all positive hits identified by a "Yes", initialed and dated on the spectral data sheets?	✓		NA	NA	NA	NA	NA
f. Are negative hits identified by an "X" on the Quant Report, and by "No", justified, initialed and dated on the data sheets?	✓		NA	NA	NA	NA	NA
g. Were all samples analyzed within 12 hours of the daily BFB tune?	✓		NA	NA	NA	NA	NA
h. In your opinion, do the sample spectra for positive hits match the reference spectra?	✓		NA	NA	NA	NA	NA
i. Was a TIC search conducted on each sample, blank, duplicate and LCS in the batch, using a NIST library containing Appendix VIII VOCs?	✓		NA	NA	NA	NA	NA
j. Were the TICs reviewed and identified using the guidelines defined in CCP-TP-175, initialed and dated?	✓		NA	NA	NA	NA	NA
k. Were all samples having analytes detected in amounts exceeding the upper calibration range reanalyzed at a different dilution or at a lower volume?	✓		NA	NA	NA	NA	NA
l. Were all dilutions factors for all samples calculated correctly?	✓		NA	NA	NA	NA	NA

000052

Environmental Chemistry Laboratory Independent Technical Review (ITR) Checklist

Analytical Batch:	Data Report Number:	Method : CCP-TP-175
ECL13001M	ECL13001M	

Requirement	Yes	No	Comments
5. Initial Calibration	///	///	
a. Does the BFB tune meet CCP-TP-175 requirements [Table 2]?	✓		NA
b. Are the %RSDs less than 35% for all target analytes?	✓		NA
c. Is at least one of the calibration standards at a concentration below the PRQL?	✓		NA
d. Are the correct ions used for quantitation?	✓		NA
e. Is the ICAL raw data signed/initialed and dated by the analyst and included, or referenced, as appropriate for the report?	✓		NA
f. Does the ICAL use at least 5 points (at least one below the PRQL), with %RSD < 35% for all target analytes?	✓		NA
6. Laboratory Control Samples (LCSs)	///	///	
a. Was at least one unique LCS analyzed with the analytical batch?	✓		NA
b. Is the LCS second-source from the ICAL standard source?	✓		NA
c. Do the recoveries for all target analytes in each LCS fall between 70% and 130%?	✓		NA
d. IF a duplicate LCS was analyzed, are all RPDs for all analytes greater than the PRQL ≤25%?	✓		NA
7. Duplicate Sample	///	///	
a. Was at least one field sample from the analytical batch analyzed in duplicate?	✓		NA
b. Do the RPDs for analytes above the PRQL meet the ≤25% precision requirement?	✓		NA
8. Sample Integrity Verification	///	///	
a. Is COC documentation complete and accurate for all reported samples?	✓		NA
b. Was physical integrity of all samples maintained?	✓		NA
c. Were all samples stored at temperatures between 0 and 40° C?	✓		NA
9. Instrument, Method and Personnel Qualification Verification	///	///	
a. Were all analyses conducted by analysts having current CCP qualification records on file?	✓		NA
b. Were acceptable demonstrations of precision, accuracy, and MDLs performed semiannually?	✓		NA
10. Data Report Validation and Completeness	///	///	
a. Are all changes to original data or forms made by a single line through of incorrect data, initialed/signed and dated by the person making the change?	✓		NA
b. Does the report contain a Cover Page with Table of Contents?	✓		NA
c. Does the report contain a Sample Number Cross-Reference Table?	✓		NA
d. Does the report contain copies of the COC and Gas Sample Canister Tags?	✓		NA
e. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓		NA
f. Are Lab Blank Summary Forms present for all lab blanks associated with the reported samples?	✓		NA
g. Are Lab Blank Results Forms present for all lab blanks associated with the reported samples?	✓		NA
h. Are BFB Tune Reports present for each continuing calibration associated with the reported samples?	✓		NA
i. Are Initial Calibration Forms present for all Initial Calibrations associated with the reported samples?	✓		NA
j. Are Continuing Calibration Forms present for each Continuing Calibration associated with the reported samples?	✓		NA
k. Are Internal Standard Area Summary Forms present for each daily calibration and associated sample analyses?	✓		NA
l. Are Lab Control Sample Forms present for each LCS associated with the reported samples?	✓		NA
m. Are Lab Duplicate Forms present for each duplicate analysis associated with the reported samples?	✓		NA
n. Does the report contain an MDL reporting form?	✓		NA
o. Does the report contain Quantitation Reports for every standard, sample, and QC sample reported?	✓		NA
p. Are Mass Spectra for all detected analytes and reported TICs present?	✓		NA
q. Are copies of Gas Transfer Manifold logs showing all sample pressurizations/dilutions included for all reported samples?	✓		NA

000053

Environmental Chemistry Laboratory Independent Technical Review (ITR) Checklist

Analytical Batch:	Data Report Number:	Method : CCP-TP-175
ECL1322M	ECL1209M	

	Requirement	Yes	No	Comments
r.	Are copies of analysis run logs for every standard, sample and QC sample present and accurate?	✓		NA
s.	Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓		NA
t.	Are all data reporting forms completely and correctly filled out (e.g., correct batch numbers, analyst IDs, analysis times and dates, dilution factors, sample ID numbers and file IDs)?	✓		NA
u.	If there were any NCRs associated with the data are copies included?	✓		NA
v.	Are the analyte concentrations on the Analysis Data Sheets reported in units of ppm_v and correctly rounded to 2 significant figures?	✓		NA
w.	Have all data received documented data generator review and signature?	✓		NA
x.	Were all calculations verified by a valid calculation program or a spot check of verified calculation programs?	✓		NA
y.	Have the data been reviewed for transcription errors?	✓		NA
z.	Are all pages in the data report legible and correctly paginated?	✓		NA

000054

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary

BDR Number: ECL13001M	Analysis Date: Jan. 17, 2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
4. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-13**	X			
5. List all containers that have met the QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: BC0024 SR607480 SR607482 SR607486 SR14706110 SR54064312 SR54300702
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRS associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	None
7. Is the completed, signed, and dated Independent Technical Reviewer checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
8. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Are there 20 laboratory samples or less in the analytical batch (excluding QC)? **Reference Source: CCP-PO-001, C3-10**	X			
10. Does the chain of custody (COC) form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-13**	X			
11. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1/28/13

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL13001M			Analysis Date: Jan. 17, 2013	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the batch report? **Reference Source: CCP-PO-001, C1-5**	X			
13. Does the BDR contain gas sample canister tags for each sample that are properly filled out? **Reference Source: CCP-PO-001, Table C3-13**	X			
14. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
15. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
16. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, Table C3-13**	X			
17. Did the batch report analysis consist of all the target compounds? **Reference Source: CCP-PO-001, Table C3-2**	X			
18. Is there a minimum of one laboratory (method) blank per analytical batch with all analytes $\leq$ 3 x MDL? **Reference Source: CCP-PO-001, Table C3-3**	X			
19. Are all target analytes in field blanks and equipment blanks (if any) $\leq$ 3 x instrument MDL as listed in CCP-PO-001 Table C3-2? **Reference Source: CCP-PO-001, Table C1-3**	X			
20. Is a minimum of one laboratory control standard (LCS) analyzed per analytical batch and are the percent recoveries (%Rs) within 70-130%? **Reference Source: CCP-PO-001,Table C3-3**	X			
21. Is there a minimum of one field duplicate analyzed per sampling batch including in the analytical batch? **Reference Source: CCP-PO-001, Table C1-3**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL13001M	**Analysis Date: Jan. 17, 2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. For field sample and field duplicate results that are both > PRQL, are the relative percent differences (RPDs) ≤ 25%? **Reference Source: CCP-PO-001, Table C3-2**			X	None above the PRQL
23. Is there a minimum of one laboratory duplicate (LD) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-3**	X			
24. For laboratory duplicate results that are > PRQL (or for laboratory control standard and replicate laboratory control standard results > PRQL), is the RPD ≤ 25%? **Reference Source: CCP-PO-001, Table C3-3**			X	RPD calculated on target analytes > MDL but ≤ PRQL. RPD ≤ 25%
25. If no target analytes were present greater than the PRQL, was a replicate LCS satisfactorily performed? **Reference Source: CCP-PO-001, Table C3-3**			X	RPD calculated on target analytes > MDL but ≤ PRQL. RPD ≤ 25%
26. Does the field reference standard (FRS) contain at least six analytes and are the %Rs within 70-130%? **Reference Source: CCP-PO-001, C1-1b and Table C1-3**			X	FRS successfully completed
27. For GC/MS analyses, was the BFB tune performed at a minimum of every 12 hours and were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-3**	X			
28. For GC/MS analyses, for the five-point initial calibration, is the %RSD for all compounds < 35%? **Reference Source: CCP-PO-001, Table C3-3**	X			
29. For GC/MS analyses, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, Section C3-5**	X			
30. For GC/MS analyses, is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-3**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL13001M	**Analysis Date: Jan. 17, 2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
31. For GC/MS analyses, are the continuing calibration internal standard area counts between 50-200% of ICAL? **Reference Source: CCP-PO-001, Table C3-3**	X			
32. For GC/MS analyses, are non-target compounds identified as Tentatively Identified Compounds (TICs)? **Reference Source: CCP-PO-001, C-3a**	X			
33. Does the BDR contain all of the target compounds appropriate for the waste stream? **Reference Source: CCP-PO-001, Table C3-2/AK Summary Report**	X			
34. For GC/MS analyses, is the continuing calibration %D for all compounds ≤ 30% of the ICAL? **Reference Source: CCP-PO-001, Table C3-3**	X			
35. For methanol analysis by GC/FID, does the initial calibration (ICAL) have a minimum of five points, is the %R within 70-130%, and is the correlation coefficient ≥ 0.990? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-3**			X	Not GC/FID
36. For methanol analysis by GC/FID, is the continuing calibration (CC) analyzed every 12 hours, is the %D ≤ 15%, is the %R within 85-115%, and is the CC retention time within the ICAL window? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-2**			X	Not GC/FID
37. For methanol analysis by GC/FID, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, C3-5**			X	Not GC/FID
38. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
39. Has the laboratory successfully participated in the latest PDP? **Reference Source: CCP-PO-001, C3-5**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL13001M	**Analysis Date: Jan. 17, 2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
40. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-2**	X			
41. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-5**	X			
42. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-3**	X			
43. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
Comments: S. Morgan signed as trainee and C. Crowder as SME/OJT for sample receiving. See SPM-2 Amc 1/28/13				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantu		1/28/13	
SPM Printed Name	Signature		Date	

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014001		Field Sample ID:	SR010813EID13	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1110	Date Sampled:	1/8/2013	
Lab File ID:	J17JC		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	0.14	U
Benzene	0.090	U
Bromoform	0.025	U
Butanol	0.11	U
Carbon disulfide	0.10	U
Carbon tetrachloride	0.047	U
Chlorobenzene	0.059	U
Chloroform	0.065	U
Chloromethane	0.14	U
Cyclohexane	0.089	U
1,1-Dichloroethane	0.081	U
1,2-Dichloroethane	0.077	U
1,1-Dichloroethylene	0.077	U
cis-1,2-Dichloroethylene	0.079	U
trans-1,2-Dichloroethylene	0.077	U
1,2-Dichloropropane	0.063	U
Ethyl benzene	0.059	U
Ethyl ether	0.10	U
Methyl ethyl ketone	0.096	U
Methyl isobutyl ketone	0.069	U
Methylene chloride	0.088	U
1,1,2,2-Tetrachloroethane	0.040	U
Tetrachloroethylene	0.043	U
Toluene	0.080	U
1,1,1-Trichloroethane	0.059	U
Trichloroethylene	0.057	U
Trichlorofluoromethane	0.056	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.043	U
1,3,5-Trimethylbenzene	0.054	U
1,2,4-Trimethylbenzene	0.052	U
p/m-Xylene	0.063	U
o-Xylene	0.060	U
Methanol	0.27	U

Form Rev 05-07

000018

BDR For Container

SR 607498

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014001		Field Sample ID:	SR010813EID13	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1110	Date Sampled:	1/8/2013	
Lab File ID:	J17JC		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014002		Field Sample ID:	SR010813EID35	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1207	Date Sampled:	1/8/2013	
Lab File ID:	J17JD		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	0.12	U
Benzene	0.080	U
Bromoform	0.022	U
Butanol	0.10	U
Carbon disulfide	0.090	U
Carbon tetrachloride	0.042	U
Chlorobenzene	0.053	U
Chloroform	0.058	U
Chloromethane	0.12	U
Cyclohexane	0.080	U
1,1-Dichloroethane	0.072	U
1,2-Dichloroethane	0.069	U
1,1-Dichloroethylene	0.069	U
cis-1,2-Dichloroethylene	0.070	U
trans-1,2-Dichloroethylene	0.069	U
1,2-Dichloropropane	0.056	U
Ethyl benzene	0.053	U
Ethyl ether	0.092	U
Methyl ethyl ketone	0.086	U
Methyl isobutyl ketone	0.062	U
Methylene chloride	0.078	U
1,1,2,2-Tetrachloroethane	0.036	U
Tetrachloroethylene	0.039	U
Toluene	0.071	U
1,1,1-Trichloroethane	0.053	U
Trichloroethylene	0.051	U
Trichlorofluoromethane	0.050	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.038	U
1,3,5-Trimethylbenzene	0.049	U
1,2,4-Trimethylbenzene	0.047	U
p/m-Xylene	0.060	J
o-Xylene	0.054	U
Methanol	0.24	U

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014002		Field Sample ID:	SR010813EID35	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1207	Date Sampled:	1/8/2013	
Lab File ID:	J17JD		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014003		Field Sample ID:	SR010813EIA96	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1251	Date Sampled:	1/8/2013	
Lab File ID:	J17JE		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	0.13	U
Benzene	0.082	U
Bromoform	0.023	U
Butanol	0.10	U
Carbon disulfide	0.092	U
Carbon tetrachloride	0.043	U
Chlorobenzene	0.054	U
Chloroform	0.060	U
Chloromethane	0.13	U
Cyclohexane	0.082	U
1,1-Dichloroethane	0.074	U
1,2-Dichloroethane	0.070	U
1,1-Dichloroethylene	0.070	U
cis-1,2-Dichloroethylene	0.072	U
trans-1,2-Dichloroethylene	0.070	U
1,2-Dichloropropane	0.057	U
Ethyl benzene	0.054	U
Ethyl ether	0.094	U
Methyl ethyl ketone	0.087	U
Methyl isobutyl ketone	0.063	U
Methylene chloride	0.080	U
1,1,2,2-Tetrachloroethane	0.037	U
Tetrachloroethylene	0.039	U
Toluene	0.073	U
1,1,1-Trichloroethane	0.054	U
Trichloroethylene	0.052	U
Trichlorofluoromethane	0.051	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.039	U
1,3,5-Trimethylbenzene	0.050	U
1,2,4-Trimethylbenzene	0.048	U
p/m-Xylene	0.12	J
o-Xylene	0.082	J
Methanol	0.24	U

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	13014003		Field Sample ID:	SR010813EIA96	
Analytical Batch:	ECL13001M		Sampling Batch:	SRHSG1301	
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	1251	Date Sampled:	1/8/2013	
Lab File ID:	J17JE		Date Received:	01/14/13	
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

LABORATORY DUPLICATE FORM
GAS VOC ANALYSIS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Method:	CCP-TP-175	Rev. 3	Data Report:	ECL13001M	
Instrument ID:	GCMS-J		Analytical Batch:	ECL13001M	
Lab Sample ID:	13014004		Dup Lab Sample ID:	13014004D	
Field Sample ID:	SR010813EI233		Dup Field Sample ID:	SR010813EI233D	
Date/Time Analyzed:	1/17/2013	1335	Date/Time Dup Analyzed:	1/17/2013	1419
Lab File ID:	J17JF		Dup Lab File ID:	J17JG	

COMPOUND	SAMPLE CONCENTRATION (PPMV)	FLAG(S)	DUPLICATE CONCENTRATION (PPMV)	FLAG(S)	RPD* (%)
Acetone	0.27824	J	0.26361	J	5.40
Benzene	1.11248	J	1.12847	J	1.43
Bromoform	0.023	U	0.023	U	NC
Butanol	0.11	U	0.11	U	NC
Carbon disulfide	0.094	U	0.094	U	NC
Carbon tetrachloride	0.043	U	0.043	U	NC
Chlorobenzene	0.055	U	0.055	U	NC
Chloroform	0.061	U	0.061	U	NC
Chloromethane	0.13	U	0.13	U	NC
Cyclohexane	0.97058	J	0.98434	J	1.41
1,1-Dichloroethane	0.075	U	0.075	U	NC
1,2-Dichloroethane	0.072	U	0.072	U	NC
1,1-Dichloroethylene	0.071	U	0.071	U	NC
cis-1,2-Dichloroethylene	0.073	U	0.073	U	NC
trans-1,2-Dichloroethylene	0.071	U	0.071	U	NC
1,2-Dichloropropane	0.058	U	0.058	U	NC
Ethyl benzene	0.055	U	0.055	U	NC
Ethyl ether	0.096	U	0.096	U	NC
Methyl ethyl ketone	0.089	U	0.089	U	NC
Methyl isobutyl ketone	0.064	U	0.064	U	NC
Methylene chloride	0.081	U	0.081	U	NC
1,1,2,2-Tetrachloroethane	0.037	U	0.037	U	NC
Tetrachloroethylene	0.040	U	0.040	U	NC
Toluene	2.30239	J	2.31893	J	0.72
1,1,1-Trichloroethane	0.055	U	0.055	U	NC
Trichloroethylene	0.053	U	0.053	U	NC
Trichlorofluoromethane	0.052	U	0.052	U	NC
1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	U	NC
1,3,5-Trimethylbenzene	0.051	U	0.051	U	NC
1,2,4-Trimethylbenzene	0.049	U	0.049	U	NC
p/m-Xylene	0.06410	J	0.06418	J	0.12
o-Xylene	0.056	U	0.056	U	NC
Methanol	1.23442	J	1.19412	J	3.32

NC = NOT CALCULABLE

000037

* Specification limit <= 25% for analytes present in the sample and duplicate at concentrations greater than or equal to the PRQL

Form Rev 05-07

LABORATORY BLANK SUMMARY FORM
GAS VOC ANALYSIS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

METHOD:	CCP-TP-175	Rev. 3	ANALYTICAL BATCH:	ECL13001M
INSTRUMENT:	GCMS-J		DATA REPORT:	ECL13001M
LAB SAMPLE ID:	LBMJJ17		FIELD SAMPLE ID:	LB04101D15
LAB FILE ID:	J17JA			
DATE/TIME ANALYZED:	1/17/2013	0855		

THIS LABORATORY BLANK APPLIES TO THE FOLLOWING SAMPLES:

FIELD SAMPLE ID	LAB SAMPLE ID	DATE/TIME ANALYZED
LCS30443SF07	LCSMJJ17	1/17/2013 1026
SR010813EID13	13014001	1/17/2013 1110
SR010813EID35	13014002	1/17/2013 1207
SR010813EIA96	13014003	1/17/2013 1251
SR010813EI233	13014004	1/17/2013 1335
SR010813EI233D	13014004D	1/17/2013 1419
SR010813EIB85	13014005	1/17/2013 1504
SR010813EID95	13014006	1/17/2013 1548
SR010813EIC06	13014007	1/17/2013 1632
SR010813EI437	13014008	1/17/2013 1716
SR010813EI021	13014009	1/17/2013 1801

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	LBMJJ17		Field Sample ID:	LB04101D15	
Analytical Batch:	ECL13001M		Sampling Batch:		
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	0855	Date Sampled:		
Lab File ID:	J17JA		Date Received:		
Instrument ID:	GCMS-J		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifier
Acetone	0.038	U
Benzene	0.024	U
Bromoform	0.0069	U
Butanol	0.031	U
Carbon disulfide	0.028	U
Carbon tetrachloride	0.013	U
Chlorobenzene	0.016	U
Chloroform	0.018	U
Chloromethane	0.038	U
Cyclohexane	0.024	U
1,1-Dichloroethane	0.022	U
1,2-Dichloroethane	0.021	U
1,1-Dichloroethylene	0.021	U
cis-1,2-Dichloroethylene	0.021	U
trans-1,2-Dichloroethylene	0.021	U
1,2-Dichloropropane	0.017	U
Ethyl benzene	0.016	U
Ethyl ether	0.028	U
Methyl ethyl ketone	0.026	U
Methyl isobutyl ketone	0.019	U
Methylene chloride	0.024	U
1,1,2,2-Tetrachloroethane	0.011	U
Tetrachloroethylene	0.012	U
Toluene	0.022	U
1,1,1-Trichloroethane	0.016	U
Trichloroethylene	0.015	U
Trichlorofluoromethane	0.015	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.012	U
1,3,5-Trimethylbenzene	0.015	U
1,2,4-Trimethylbenzene	0.014	U
p/m-Xylene	0.017	U
o-Xylene	0.016	U
Methanol	0.073	U

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	LBMJJ17		Field Sample ID:	LB04101D15	
Analytical Batch:	ECL13001M		Sampling Batch:		
Data Report:	ECL13001M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	1/17/2013	0855	Date Sampled:		
Lab File ID:	J17JA		Date Received:		
Instrument ID:	GCMS-J		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifier	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

Internal Standard Area Summary Report

Instrument ID : GCMS - J

Tune File : D:\ECL13001\BJ13002.D
Tune Time : 17 Jan 2013 7:33 am

Daily Calibration File : D:\ECL13001\WJ13002.D
Date Acquired : 17 Jan 2013 8:11 am

	IS1	IS2
Daily Calibration IS Areas:	3664228	2482947

File	Sample	IS1	IS2
J17JA.D	LBMJJ17	4207673	2852874
J17JB.D	LCSMJJ17	4151184	2829198
J17JC.D	13014001	4131863	2806367
J17JD.D	13014002	4149607	2789385
J17JE.D	13014003	4089628	2803532
J17JF.D	13014004	4659962	3135280
J17JG.D	13014004D	4921918	3390318
J17JH.D	13014005	4843265	3362751
J17JI.D	13014006	4787847	3428991
J17JJ.D	13014007	4715201	3303213
J17JK.D	13014008	4601037	3180012
J17JL.D	13014009	4519218	3124489

(fails) - fails 12hr time check * - fails criteria

IS1 = Fluorobenzene
IS2 = Chlorobenzene-d5

Area UPPER limit = 200 percent of IS Area
Area LOWER limit = 50 percent of IS Area

Created: Fri Jan 18 08:29:03 2013

LABORATORY CONTROL SAMPLE FORM
GAS VOC ANALYSIS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Method:	CCP-TP-175	Rev. 3	Data Report:	ECL13001M
Instrument ID:	GCMS-J		Analytical Batch:	ECL13001M

Lab Sample ID:	LCSMJJ17	
Field Sample ID:	LCS30443SF07	
Date/Time Analyzed:	1/17/2013	1026
Lab File ID:	J17JB	

COMPOUND	FOUND CONCENTRATION (PPMV)	KNOWN CONCENTRATION (PPMV)	Recovery* (%)
Benzene	17.6401	20.20	87.33
Carbon tetrachloride	11.8588	11.89	99.74
Methyl isobutyl ketone	15.6475	16.20	96.59
Methylene chloride	20.4642	20.00	102.32
Toluene	18.4318	18.26	100.94
1,1,1-Trichloroethane	12.0774	12.16	99.32
Trichloroethylene	12.4350	12.26	101.43

* Recovery specification limits 70 - 130%

Form Rev 05-07

SECTION 5.0

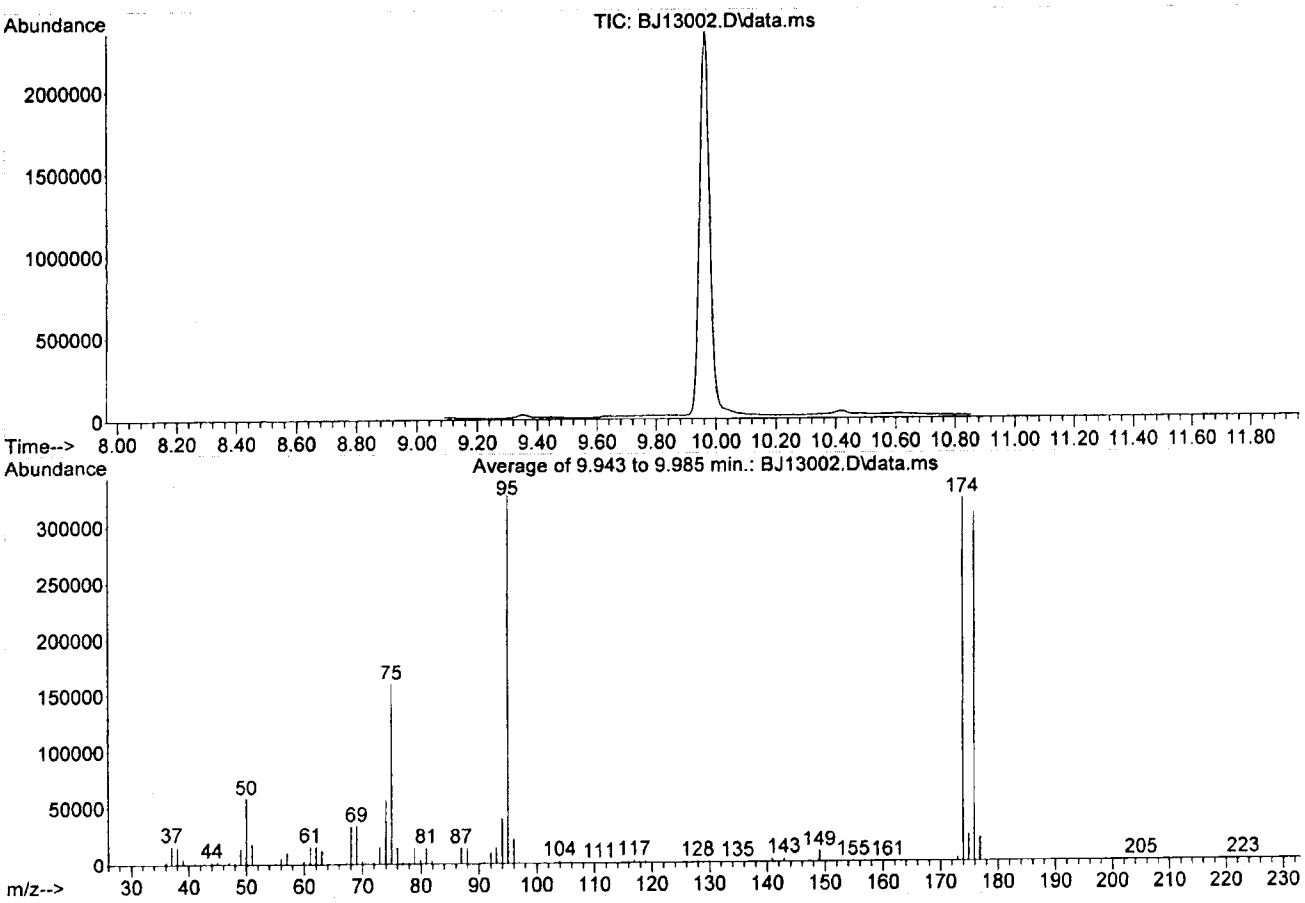
CALIBRATION RESULTS

- BFB Tune Form
- Initial Calibration Form
- Continuing Calibration Form
- MDL Reporting Form

Data Path : D:\ECL13001\
Data File : BJ13002.D
Acq On : 17 Jan 2013 7:33 am
Operator :
Sample : 50 NG BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms-j\WPJD007.M
Title : WPJD007 CCP-TP-175 ICAL
Last Update : Thu Oct 11 09:15:10 2012



Spectrum Information: Average of 9.943 to 9.985 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	58539	PASS
75	95	30	60	49.0	160234	PASS
95	95	100	100	100.0	326760	PASS
96	95	5	9	6.6	21670	PASS
173	174	0.00	2	1.0	3172	PASS
174	95	50	100	98.8	322684	PASS
175	174	5	9	7.4	23814	PASS
176	174	95	101	96.1	310204	PASS
177	176	5	9	6.6	20357	PASS

1-18-13

Response Factor Report GCMS - J

Method Path : C:\gcms-j\
Method File : WPJD007.M
Title : WPJD007 CCP-TP-175 ICAL
Last Update : Thu Oct 11 09:15:10 2012
Response Via : Initial Calibration

Calibration Files
1250=008JA.D 1000=008JB.D 750 =008JC.D 500 =008JD.D 250 =008JE.D 125 =008JF.D

		Compound	1250	1000	750	500	250	125	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)	T	Ethyl Ether	0.259	0.255	0.254	0.251	0.253	0.261	0.255	1.34
3)	T	Methylene Chlo...	0.316	0.313	0.312	0.311	0.317	0.331	0.317	2.34
4)	T	1,1,2-Trichlor...	0.362	0.357	0.354	0.352	0.357	0.373	0.359	2.06
5)	T	1,1-Dichloroet...	0.308	0.303	0.302	0.300	0.302	0.312	0.304	1.54
6)	T	1,1-Dichloroet...	0.552	0.552	0.542	0.544	0.548	0.569	0.551	1.74
7)	T	cis-1,2-Dichlo...	0.333	0.331	0.327	0.326	0.321	0.335	0.329	1.60
8)	T	Chloroform	0.532	0.528	0.523	0.520	0.519	0.538	0.527	1.39
9)	T	1,2-Dichloroet...	0.431	0.430	0.422	0.420	0.413	0.422	0.423	1.62
10)	T	1,1,1-Trichlor...	0.495	0.489	0.484	0.479	0.477	0.494	0.487	1.57
11)	T	Carbon Tetrach...	0.457	0.448	0.442	0.437	0.433	0.444	0.444	1.90
12)	T	Trichloroethene	0.329	0.325	0.319	0.314	0.307	0.316	0.318	2.55
13)	T	Cyclohexane	0.492	0.480	0.469	0.461	0.455	0.466	0.470	2.83
14)	T	Benzene	1.125	1.109	1.091	1.071	1.046	1.074	1.086	2.65
15)	T	Acetone	0.650	0.650	0.653	0.654	0.662	0.676	0.657	1.51
16)	T	2-Butanone	0.209	0.206	0.202	0.200	0.196	0.202	0.203	2.30
17)	T	1-Butanol	0.271	0.263	0.258	0.246	0.231	0.227	0.250	7.12
18)	T	Methanol	0.194	0.197	0.201	0.198	0.199	0.201	0.198	1.37
19)	T	trans-1,2-Dich...	0.326	0.324	0.322	0.320	0.323	0.333	0.324	1.40
20)	T	Chloromethane	0.456	0.462	0.466	0.471	0.488	0.514	0.476	4.50
21)	T	Carbon Disulfide	1.177	1.171	1.169	1.164	1.174	1.211	1.178	1.43
22)	T	1,2-Dichloropr...	0.277	0.270	0.264	0.259	0.255	0.260	0.264	3.00
23)	T	Trichlorofluor...	0.595	0.590	0.585	0.586	0.594	0.618	0.595	2.03
24)	I	Chlorobenzene-d5	ISTD							
25)	T	Bromoform	0.470	0.449	0.450	0.434	0.430	0.426	0.443	3.75
26)	T	Tetrachloroethene	0.406	0.391	0.391	0.377	0.374	0.378	0.386	3.18
27)	T	1,1,2,2-Tetrac...	0.632	0.600	0.600	0.581	0.576	0.585	0.596	3.41
28)	T	Toluene	1.030	0.993	0.989	0.949	0.934	0.941	0.973	3.88
29)	T	Chlorobenzene	1.107	1.073	1.056	1.022	1.008	1.025	1.048	3.57
30)	T	Ethylbenzene	0.601	0.577	0.569	0.546	0.532	0.537	0.560	4.77
31)	T	Xylene (meta &...	0.759	0.727	0.713	0.682	0.656	0.657	0.699	5.88
32)	T	Xylene (ortho)	0.687	0.655	0.645	0.627	0.598	0.606	0.636	5.18
33)	T	1,3,5-Trimethy...	1.612	1.516	1.490	1.400	1.333	1.317	1.445	7.93
34)	T	1,2,4-Trimethy...	1.604	1.521	1.480	1.376	1.310	1.283	1.429	8.83
35)	T	4-Methyl-2-Pen...	0.896	0.858	0.849	0.804	0.789	0.777	0.829	5.58

(#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : D:\ECL13001\
Data File : WJ13002.D
Acq On : 17 Jan 2013 8:11 am
Operator :
Sample : CCP-TP-175 CCAL
Misc : 1X 100ML
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 17 09:34:15 2013
Quant Method : C:\gcms-j\WPJD007.M
Quant Title : WPJD007 CCP-TP-175 ICAL
QLast Update : Thu Oct 11 09:15:10 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	79	0.00
2	T	Ethyl Ether	0.255	0.253	0.8	79	-0.01
3	T	Methylene Chloride	0.317	0.313	1.3	79	-0.01
4	T	1,1,2-Trichlorofluoroethane	0.359	0.358	0.3	80	0.00
5	T	1,1-Dichloroethene	0.304	0.304	0.0	80	-0.01
6	T	1,1-Dichloroethane	0.551	0.540	2.0	78	0.00
7	T	cis-1,2-Dichloroethene	0.329	0.324	1.5	78	0.00
8	T	Chloroform	0.527	0.518	1.7	78	0.00
9	T	1,2-Dichloroethane	0.423	0.417	1.4	78	0.00
10	T	1,1,1-Trichloroethane	0.487	0.478	1.8	78	0.00
11	T	Carbon Tetrachloride	0.444	0.436	1.8	78	0.00
12	T	Trichloroethene	0.318	0.313	1.6	78	-0.01
13	T	Cyclohexane	0.470	0.462	1.7	79	0.00
14	T	Benzene	1.086	1.058	2.6	78	0.00
15	T	Acetone	0.657	0.659	-0.3	79	-0.01
16	T	2-Butanone	0.203	0.198	2.5	78	0.00
17	T	1-Butanol	0.250	0.232	7.2	74	-0.01
18	T	Methanol	0.198	0.191	3.5	76	0.00
19	T	trans-1,2-Dichloroethene	0.324	0.320	1.2	79	-0.01
20	T	Chloromethane	0.476	0.483	-1.5	81	0.00
21	T	Carbon Disulfide	1.178	1.169	0.8	79	-0.01
22	T	1,2-Dichloropropane	0.264	0.257	2.7	78	-0.01
23	T	Trichlorofluoromethane	0.595	0.594	0.2	80	0.00
24	I	Chlorobenzene-d5	1.000	1.000	0.0	76	-0.01
25	T	Bromoform	0.443	0.442	0.2	78	0.00
26	T	Tetrachloroethene	0.386	0.380	1.6	77	-0.02
27	T	1,1,2,2-Tetrachloroethane	0.596	0.594	0.3	78	0.00
28	T	Toluene	0.973	0.957	1.6	77	-0.02
29	T	Chlorobenzene	1.048	1.030	1.7	77	-0.01
30	T	Ethylbenzene	0.560	0.547	2.3	76	-0.01
31	T	Xylene (meta & para)	0.699	0.681	2.6	76	-0.01
32	T	Xylene (ortho)	0.636	0.618	2.8	75	0.00
33	T	1,3,5-Trimethylbenzene	1.445	1.392	3.7	76	0.00
34	T	1,2,4-Trimethylbenzene	1.429	1.377	3.6	76	-0.01
35	T	4-Methyl-2-Pentanone	0.829	0.813	1.9	77	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1-18-13

MDL REPORTING FORM
GAS VOC ANALYSIS

IDAHO NATIONAL LABORATORY
ENVIRONMENTAL CHEMISTRY LABORATORY

METHOD: CCP-TP-175 Rev. 3
Instrument ID: GCMS-J

MDL Determination Date: 11/6/2012

ANALYTE	MOLECULAR WEIGHT	MDL (ng)	PRQL (ppmv)
Acetone	58.08	9.0	100
Benzene	78.12	7.8	10
Bromoform	252.75	7.1	10
Butanol	74.12	9.4	100
Carbon disulfide	76.14	8.6	10
Carbon tetrachloride	153.82	8.0	10
Chlorobenzene	112.56	7.4	10
Chloroform	119.38	8.7	10
Chloromethane	50.49	7.8	10
Cyclohexane	84.16	8.4	10
1,1-Dichloroethane	98.94	8.9	10
1,2-Dichloroethane	98.94	8.5	10
1,1-Dichloroethylene	96.94	8.3	10
cis-1,2-Dichloroethylene	96.94	8.5	10
trans-1,2-Dichloroethylene	96.94	8.3	10
1,2-Dichloropropane	112.99	7.9	10
Ethyl benzene	106.17	7.0	10
Ethyl ether	74.12	8.5	10
Methyl ethyl ketone	72.11	7.7	100
Methyl isobutyl ketone	100.16	7.7	100
Methylene chloride	84.93	8.3	10
1,1,2,2-Tetrachloroethane	167.85	7.5	10
Tetrachloroethylene	165.83	8.0	10
Toluene	92.15	8.2	10
1,1,1-Trichloroethane	133.41	8.8	10
Trichloroethylene	131.39	8.3	10
Trichlorofluoromethane	137.37	8.6	10
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	9.0	10
1,3,5-Trimethylbenzene	120.2	7.3	10
1,2,4-Trimethylbenzene	120.2	7.0	10
p/m-Xylene	106.17	7.5	10
o-Xylene	106.17	7.1	10
Methanol	32.04	9.5	100

Form Rev 05-07

SECTION 6.0

DATA REVIEW CHECKLISTS

- SAMPLE RECEIVING & CUSTODY REVIEW CHECKLIST
- DATA GENERATOR CHECKLIST
- INDEPENDENT REVIEW CHECKLIST

Environmental Chemistry Laboratory
Sample Receiving & Custody Review Checklist

Receiving Group: **ECL 13001**	Nonconformance Report Initiation Required? Yes or (No) NCR Number:
Reviewer Signature: [signature]	Date: 01/14/13

Instructions: Complete one checklist per Report Group. Enter appropriate response for each question. Each "NO" response requires explanation. A "NO" response to a question may require initiation of an NCR.

REQUIREMENT	YES	NO	COMMENTS
1. FIELD CHAIN OF CUSTODY (COC)			
a. Are all field samples listed on the accompanying COC form included in the shipment?	✓		NA
b. Are all samples included in the shipment listed on the COC form?	✓		NA
c. Are all custody transfers completely documented by signatures of relinquishers and acceptors, time, and date of transfer?	✓		NA
d. Does all sample information (e.g., sample ID, sampling date and time, sample location, field batch, analytical request) listed on the COC correspond with the information on the sample tags?	✓		NA
e. Are any corrections on the COC appropriately made [a single line through the incorrect data, correct data written in (not overwritten), initialed and dated]?	✓		NA
2. SAMPLE TAGS			
a. Is each sample accompanied by a corresponding sample tag?	✓		NA
b. Do the field IDs on the sample tags correspond with those on the COC?	✓		NA
c. Does the sampling date and time correspond with the date and time on the COC?	✓		NA
d. Is the field batch number recorded on each sample tag, and does it correspond with that recorded on the COC?	✓		NA
e. Are the Sampling Organization and Sample Description fields completed?	✓		NA
f. Are ambient pressure and temperature, date and time and sampler initials recorded on each tag?	✓		NA
g. Are VOCs analyses requested as appropriate for each sample?	✓		NA
h. Are VOCs analyses requested for each field blank sample?	✓		NA
i. Did the sampler sign each sample tag?	✓		NA
j. Are any corrections on the sample tag appropriately made [a single line through the incorrect data, correct data written in (not overwritten), initialed and dated]?	✓		NA
k. Is the SUMMA® canister ID listed on the sample tag and/or COC?	✓		NA
3. ANALYSIS REQUEST FORM (ANRF)			
a. Do all field sample numbers correspond to those on the field COC?	✓		NA
b. Do the listed sample sizes correspond with the SUMMA® canisters?	✓		NA
c. Do VTSR and the Field Batch number match those on the COC?	✓		NA
d. If there is a COC number does it match the COC form number?	✓		NA
e. Are the correct analysis requests checked?	✓		NA
4. SAMPLE INTEGRITY			
a. Is a signed and dated or otherwise traceable custody seal present on the shipping container?	✓		NA
b. Is the shipping container custody seal intact and undamaged upon receipt at the laboratory?	✓		NA
c. Is the shipping container custody seal placed such that the container cannot be opened without breaking the seal?	✓		NA
d. Is a custody seal present on the valve of each sample canister?	✓		NA
e. Is the custody seal on each SUMMA® canister intact and undamaged upon receipt at the laboratory?	✓		NA
f. Is each custody seal placed such that the valve cannot be opened without breaking the seal?	✓		NA
g. Has physical integrity of all samples been preserved (such as, no dents, no missing connectors)?	✓		NA
h. Are the canister gauge pressure and ambient temperature and pressure recorded on the sample tag by ECL after canister receipt and equilibration to room temperature?	✓		NA
i. Did all of the SUMMA® canisters maintain pressure during shipment?	✓		NA
j. Does each sample have an ECL Sample ID tag corresponding to the ANRF?	✓		NA

The field sampling organization must be contacted if any discrepancies are found in the sample COC and tag documentation. This contact must be documented in writing.

000049

TWCP SAMPLE RECEIVING & CUSTODY REVIEW CHECKLIST ATTACHMENT

FIELD BATCH: SRHS61301

LABORATORY RECEIVING GROUP: ECL13001

Temperature Probe Identification Number: 723200

Expiration Date: 7-12-13

The temperature probe associated with the samples registered 20.6°C upon receipt at the laboratory. The minimum temperature registered by the probe during transport was 9.9°C and the maximum was 24.5°C.

Temperature Probe Identification Number: 723196

Expiration Date: 7-12-13

The temperature probe associated with the samples registered 20.8°C upon receipt at the laboratory. The minimum temperature registered by the probe during transport was 9.8°C and the maximum was 24.3°C.

Signature of Sample Custodian: [signature] Date: 1-14-13

C.A. Crouch 1-14-13

Form Date: 08/14/2006

Environmental Chemistry Laboratory
Data Generator Checklist

CCP-TP-175 (VOCs by GC/MS)

Analytical Batch#: ECL13001M	Procedure Revision: 3
Analyst Signature: Patrick Cravens	Analysis Date: 1-17-13

Criteria	Yes	No	N/A	Comments
1. Samples analyzed in accordance with CCP-TP-175 requirements.	✓			NA
2. BFB tune analyzed at the beginning of the run (once every 12 hours of instrument operation), and meets acceptance criteria.	✓			NA
3. CCAL analyzed at the beginning of the run (once every 12 hours of instrument operation), and meets acceptance criteria.	✓			NA
4. LB analyzed after the CCAL, and meets acceptance criteria.	✓			NA
5. Analytical batch QC (LCS, laboratory duplicate or LCS duplicate) analyzed if appropriate, and meet acceptance criteria. [N/A if these analyses are performed on another day within the batch.]	✓			NA
6. All samples quantitated within the calibration range for all target analytes, diluted and reanalyzed, or scheduled for reanalysis within the batch.	✓			NA
7. All non-target analyte peaks having total ion areas >10% of the nearest internal standard evaluated against a NIST Appendix VIII VOC mass spectral library for tentative identification.	✓			NA
8. All TICs identified using criteria defined in CCP-TP-175.	✓			NA
9. All logbook entries completed in accordance with CCP-QP-011.	✓			NA
10. All raw data corrections made per CCP-TP-188 requirements [lined out, initialed, dated, and justified (as necessary)].	✓			NA
11. All raw data evaluated, signed/initialed and dated in indelible black ink.	✓			NA
12. Raw data reviewed for completeness and accuracy.	✓			NA

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1211 **Sampling Date:** 5/22/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR108180 SR79150 SR79177 SR79178 SR79179 SR79182 SR92624 SR92625 SR508806 SR515741
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR'S
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 06-05-12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1211 **Sampling Date:** 5/22/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1211	Sampling Date: 5/22/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1211 **Sampling Date:** 5/22/12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	6/5/12
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1211

Description	**YES**	**NO**	**NA**	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1211

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 16				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Richard Jagielski
Printed Name

Signature

5-30-12
Date

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 21 Page 1 of 2

Location: Under Container Lid	Point of Origin: TRU Pad 4	**Sample Matrix is Gas**	Ambient Conditions
	Field Batch Number: SRHSG1211		Temperature (centigrade): 26.6
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	052212	EIB47	250	4849628	NA	NA	426C	INHSG1201NB	B	NA	0841	0845	30 in Hg	3 in Hg	JT
SR	052212	EIB42	250	4849630	SR108180	SR-SWMF-HET-B	426C	INHSG1114NB	D	Y	0847	0851	30 in Hg	0 in Hg	JT
SR	052212	EID76	250	4849629	SR108180	SR-SWMF-HET-B	426C	INHSG1114NB	D	Y	0847	0851	30 in Hg	2 in Hg	JT
SR	052212	EIA33	250	4849639	SR79150	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0913	0917	29 in Hg	2 in Hg	JT
SR	052212	EID05	250	4849622	SR79177	SR-SWMF-HET-B	419C	INHSG1201NB	SS	Y	0927	0931	30 in Hg	0 in Hg	JT
SR	052212	EI907	250	4849623	SR79178	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0857	0901	30 in Hg	3 in Hg	JT
SR	052212	EI759	250	4849621	SR79179	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0921	0925	30 in Hg	3 in Hg	JT
SR	052212	EIA95	250	4849626	SR79182	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0918	0922	28 in Hg	1 in Hg	JT
SR	052212	EIA18	250	4849625	SR92624	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0904	0907	29 in Hg	3 in Hg	JT
SR	052212	EI504	250	4849624	SR92625	SR-SWMF-HET-B	419C	INHSG1201NB	SS	Y	0925	0929	30 in Hg	3 in Hg	JT
SR	052212	EIA66	250	4849638	SR508806	SR-W027-321-322M-HET	426C	INHSG1201NB	SS	Y	0911	0915	30 in Hg	2 in Hg	JT
SR	052212	EI340	250	4849627	SR515741	SR-W027-321-322M-HET	426C	INHSG1201NB	SS	Y	0905	0909	30 in Hg	2 in Hg	JT
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required

C - Needle Assembly Cleanliness Certification: VOC
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 21 Page 2 of 2

Field Batch Number: SRHSG1211					
Comments:Additional Min/Max Thermometer XC0692 Calibration Due Date 10/12/2012		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0719	10/6/2012	JT 5/22/12
Shipping Tracking # 8750 4328 4939	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JT 5/22/12
		Min /Max Thermometer	XC0700	10/12/2012	JT 5/22/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 484 9640		TID Initials and date: JT 5/22/12			

Custody Initiated By: (Sampler Name/Organization) Joel Thompson/CCP	Date/Time 5/22/12 0845		
Relinquished By: (Name/Organization) Joel Thompson/CCP	Date/Time 5/22/12 1600	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

GAS SAMPLE CANISTER TAG

S	R	0	5	2	2	1	2	E	I	B	4	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1211 **Drum Number:** SR108180

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 26.6			
Before Sample Collection	M=	P= 30	052212	0847	JE
Field-	C= 0 in Hg	T= 26.6			
After Sample Collection	M=	P= 30	052212	0851	JE
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	X		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev 109-05)

GAS SAMPLE CANISTER TAG

S	R	0	5	2	2	1	2	E	I	D	7	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1211 **Drum Number:** SR108180

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 26.6			
Before Sample Collection	M=	P= 30	052212	0847	JK
Field-	C= 2 in Hg	T= 26.6			
After Sample Collection	M=	P= 30	052212	0851	JK
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	X		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Poirier, Joe

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Tuesday, May 01, 2012 4:36 PM
To: Broomfield, Barbara J.; Poirier, Joe; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1201NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

SRHSG 1211

5/2/2012

Container SR108180

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Wednesday, December 14, 2011 4:23 PM
To: Broomfield, Barbara J.; Walters, Ed E.; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1114NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1211

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR108180	3	S5000	N	N	NA	4	2	NucFil-019DS	1	$3.7X10^{-6}$	3
2	SR79150	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-072	2	$3.7X10^{-6}$	3
3	SR79177	3	S5000	N	N	NA	4	2	NucFil-019DS	1	$3.7X10^{-6}$	3
4	SR79178	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-072	2	$3.7X10^{-6}$	3
5	SR79179	3	S5000	Y	Y	0.3	4	2	NucFil-DVS307, NucFil-072	2	$3.7X10^{-6}$	3
6	SR79182	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-072	2	$3.7X10^{-6}$	3
7	SR92624	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-072	2	$3.7X10^{-6}$	3
8	SR92625	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-072	2	$3.7X10^{-6}$	3
9	SR508806	2	S5000	Y	Y	0.3	NA	NA	NucFil-072	1	$3.7X10^{-6}$	NA
10	SR515741	2	S5000	Y	Y	0.3	NA	NA	NucFil-072	1	$3.7X10^{-6}$	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Attachment 2 – Sample Container Data Form (Continued) Page 2 of 2

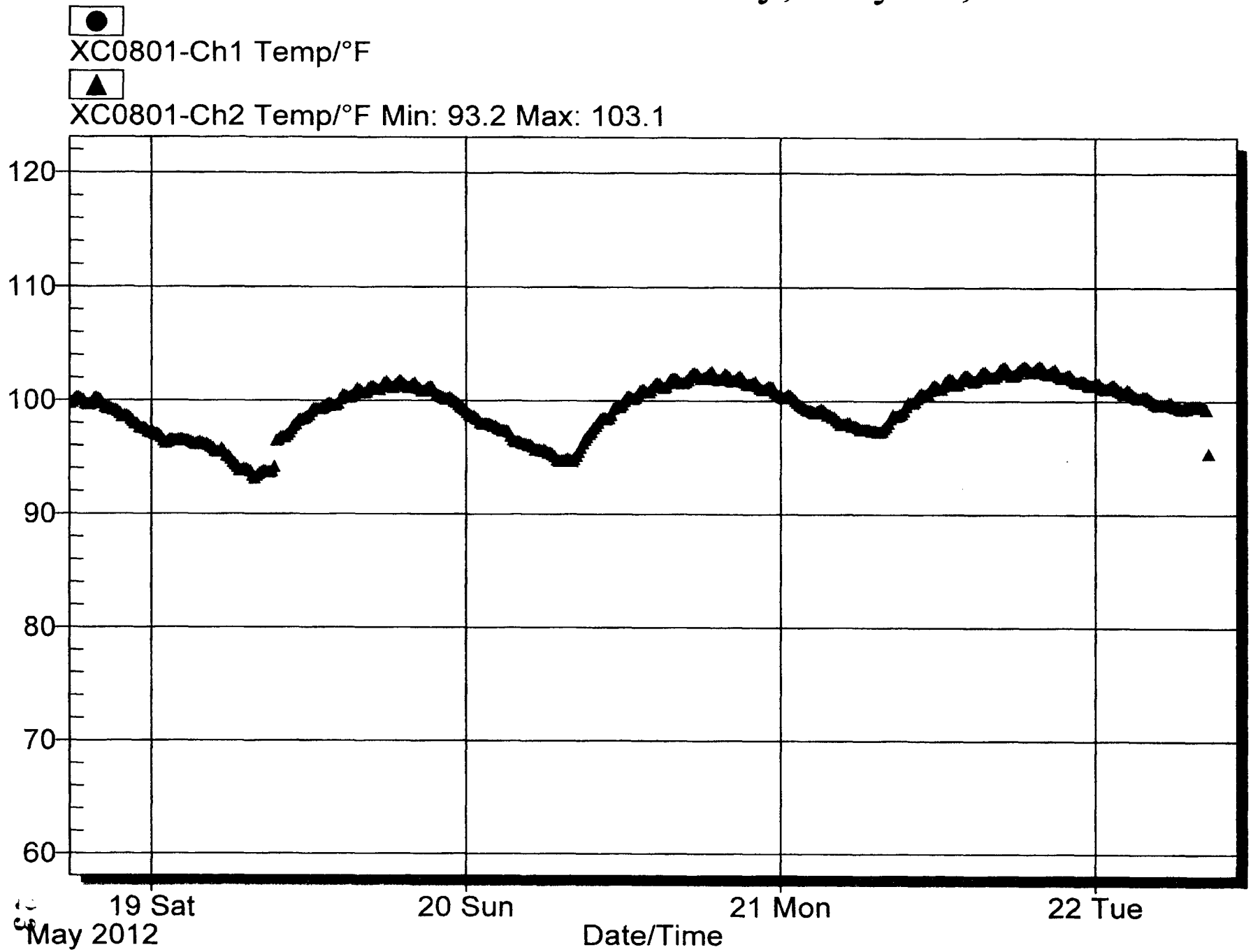
Field Batch Number: SRHSG1211

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 Temperature Recorder Calibration Due Date: 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR108180	8/27/1979	8/27/1979	16	11957	65	Y	5/19/12 0840	5/22/12 0840
2	SR79150	3/4/1977	3/4/1977	175	12863	75	Y	5/19/12 0840	5/22/12 0840
3	SR79177	8/31/1976	8/31/1976	16	13048	85	Y	5/19/12 0840	5/22/12 0840
4	SR79178	8/31/1976	8/31/1976	175	13048	70	Y	5/19/12 0840	5/22/12 0840
5	SR79179	8/31/1976	8/31/1976	175	13048	80	Y	5/19/12 0840	5/22/12 0840
6	SR79182	8/31/1976	8/31/1976	175	13048	55	Y	5/19/12 0840	5/22/12 0840
7	SR92624	2/10/1977	2/10/1977	175	12885	40	Y	5/19/12 0840	5/22/12 0840
8	SR92625	2/10/1977	2/10/1977	175	12885	70	Y	5/19/12 0840	5/22/12 0840
9	SR508806	5/8/1980	2/19/1998	25	5206	95	Y	5/19/12 0840	5/22/12 0840
10	SR515741	6/19/1980	5/7/2009	25	1111	80	Y	5/19/12 0840	5/22/12 0840
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: Joel Thompson _____ 5/22/12
Print Name **Signature** **Date**

22

Downloaded Data - Tuesday, May 22, 2012



Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary

BDR Number: ECL12019M **Analysis Date:** 5-31, 6-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
4. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-13**	X			
5. List all containers that have met the QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:SR108180, SR79150, SR79177, SR79178, SR79179, SR79182, SR92624, SR92625, SR508806, SR515741
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRS associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	
7. Is the completed, signed, and dated Independent Technical Reviewer checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
8. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Are there 20 laboratory samples or less in the analytical batch (excluding QC)? **Reference Source: CCP-PO-001, C3-10**	X			
10. Does the chain of custody (COC) form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-13**	X			
11. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			

CCP RECORDS ORIGINAL
DATE REC'D 06.19.12

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL12019M	Analysis Date: 5-31, 6-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the batch report? **Reference Source: CCP-PO-001, C1-5**	X			
13. Does the BDR contain gas sample canister tags for each sample that are properly filled out? **Refere nce Source: CCP-PO-001, Table C3-13**	X			
14. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
15. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
16. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, Table C3-13**	X			
17. Did the batch report analysis consist of all the target compounds? **Reference Source: CCP-PO-001, Table C3-2**	X			
18. Is there a minimum of one laboratory (method) blank per analytical batch with all analytes $\leq$ 3 x MDL? **Reference Source: CCP-PO-001, Table C3-3**	X			
19. Are all target analytes in field blanks and equipment blanks (if any) $\leq$ 3 x instrument MDL as listed in CCP-PO-001 Table C3-2? **Reference Source: CCP-PO-001, Table C1-3**	X			
20. Is a minimum of one laboratory control standard (LCS) analyzed per analytical batch and are the percent recoveries (%Rs) within 70-130%? **Reference Source: CCP-PO-001,Table C3-3**	X			
21. Is there a minimum of one field duplicate analyzed per sampling batch including in the analytical batch? **Reference Source: CCP-PO-001, Table C1-3**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL12019M	Analysis Date: 5-31, 6-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. For field sample and field duplicate results that are both > PRQL, are the relative percent differences (RPDs) ≤ 25%? **Reference Source: CCP-PO-001, Table C3-2**			X	No target >PRQL
23. Is there a minimum of one laboratory duplicate (LD) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-3**	X			
24. For laboratory duplicate results that are > PRQL (or for laboratory control standard and replicate laboratory control standard results > PRQL), is the RPD ≤ 25%? **Reference Source: CCP-PO-001, Table C3-3**	X			
25. If no target analytes were present greater than the PRQL, was a replicate LCS satisfactorily performed? **Reference Source: CCP-PO-001, Table C3-3**			X	Target > PRQL
26. Does the field reference standard (FRS) contain at least six analytes and are the %Rs within 70-130%? **Reference Source: CCP-PO-001, C1-1b and Table C1-3**			X	FRS has been successfully completed.
27. For GC/MS analyses, was the BFB tune performed at a minimum of every 12 hours and were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-3**	X			
28. For GC/MS analyses, for the five-point initial calibration, is the %RSD for all compounds < 35%? **Reference Source: CCP-PO-001, Table C3-3**	X			
29. For GC/MS analyses, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, Section C3-5**	X			
30. For GC/MS analyses, is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-3**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL12019M **Analysis Date:** 5-31, 6-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
31. For GC/MS analyses, are the continuing calibration internal standard area counts between 50-200% of ICAL? **Reference Source: CCP-PO-001, Table C3-3**	X			
32. For GC/MS analyses, are non-target compounds identified as Tentatively Identified Compounds (TICs)? **Reference Source: CCP-PO-001, C-3a**	X			
33. Does the BDR contain all of the target compounds appropriate for the waste stream? **Reference Source: CCP-PO-001, Table C3-2/AK Summary Report**	X			
34. For GC/MS analyses, is the continuing calibration %D for all compounds ≤ 30% of the ICAL? **Reference Source: CCP-PO-001, Table C3-3**	X			
35. For methanol analysis by GC/FID, does the initial calibration (ICAL) have a minimum of five points, is the %R within 70-130%, and is the correlation coefficient ≥ 0.990? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-3**			X	Not methanol analysis by GC/FID
36. For methanol analysis by GC/FID, is the continuing calibration (CC) analyzed every 12 hours, is the %D ≤ 15%, is the %R within 85-115%, and is the CC retention time within the ICAL window? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-2**			X	Not methanol analysis by GC/FID
37. For methanol analysis by GC/FID, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, C3-5**			X	Not methanol analysis by GC/FID
38. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
39. Has the laboratory successfully participated in the latest PDP? **Reference Source: CCP-PO-001, C3-5**	X			

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ECL12019M	Analysis Date: 5-31, 6-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	NO	NA	
40. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-2**	X			
41. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-5**	X			
42. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-3**	X			
43. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
Comments: none				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Charles Turner — Signature — 6-14-2012				
SPM Printed Name — Signature — Date				

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

ENVIRONMENTAL CHEMISTRY LABORATORY

ANALYTICAL REQUEST FORM

PAGE: 1 RECEIVING GROUP NO. ECL12019 ANALYSES REQUIRED:

FIELD SITE: SRS GC-VOC: X GC-H2:

SAMPLE TYPE: GAS GC/MS: X GC-CH4:

NUMBER OF SAMPLES: 12 VTSR: 1400 05/24/12

	LAB ID.	FIELD ID.	FIELD BATCH #	FIELD COC #	CANISTER SIZE (mL)	BLANK?
1	12145001	SR052212EIB47	SRHSG1211	21	250	Y
2	12145002	SR052212EIB42	SRHSG1211	21	250	N
3	12145003	SR052212EID76	SRHSG1211	21	250	N
4	12145004	SR052212EIA27	SRHSG1211	21	250	N
5	12145005	SR052212EID05	SRHSG1211	21	250	N
6	12145006	SR052212EI907	SRHSG1211	21	250	N
7	12145007	SR052212EI759	SRHSG1211	21	250	N
8	12145008	SR052212EIA95	SRHSG1211	21	250	N
9	12145009	SR052212EIA18	SRHSG1211	21	250	N
10	12145010	SR052212EI504	SRHSG1211	21	250	N
11	12145011	SR052212EIA66	SRHSG1211	21	250	N
12	12145012	SR052212EI340	SRHSG1211	21	250	N

SECTION 2.0

SAMPLE CUSTODY DOCUMENTS AND SAMPLE TAGS

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 21 Page 1 of 2

Location: Under Container Lid	Point of Origin: TRU Pad 4	**Sample Matrix is Gas**	Ambient Conditions
	Field Batch Number: SRHSG1211		Temperature (centigrade): 26.6
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	052212	EIB47	250	4849628	NA	NA	426C	INHSG1201NB	B	NA	0841	0845	30 in Hg	3 in Hg	JT
SR	052212	EIB42	250	4849630	SR108180	SR-SWMF-HET-B	426C	INHSG1114NB	D	Y	0847	0851	30 in Hg	0 in Hg	JT
SR	052212	EID76	250	4849629	SR108180	SR-SWMF-HET-B	426C	INHSG1114NB	D	Y	0847	0851	30 in Hg	2 in Hg	JT
SR	052212	EIA27	250	4849639	SR79150	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0913	0917	29 in Hg	2 in Hg	JT
SR	052212	EID05	250	4849622	SR79177	SR-SWMF-HET-B	419C	INHSG1201NB	SS	Y	0927	0931	30 in Hg	0 in Hg	JT
SR	052212	EI907	250	4849623	SR79178	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0857	0901	30 in Hg	3 in Hg	JT
SR	052212	EI759	250	4849621	SR79179	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0921	0925	30 in Hg	3 in Hg	JT
SR	052212	EIA95	250	4849626	SR79182	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0918	0922	28 in Hg	1 in Hg	JT
SR	052212	EIA18	250	4849625	SR92624	SR-SWMF-HET-B	426C	INHSG1201NB	SS	Y	0904	0907	29 in Hg	3 in Hg	JT
SR	052212	EI504	250	4849624	SR92625	SR-SWMF-HET-B	419C	INHSG1201NB	SS	Y	0925	0929	30 in Hg	3 in Hg	JT
SR	052212	EIA66	250	4849638	SR508806	SR-W027-321-322M-HET	426C	INHSG1201NB	SS	Y	0911	0915	30 in Hg	2 in Hg	JT
SR	052212	EI340	250	4849627	SR515741	SR-W027-321-322M-HET	426C	INHSG1201NB	SS	Y	0905	0909	30 in Hg	2 in Hg	JT
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 21 Page 2 of 2

Field Batch Number: SRHSG1211					
Comments:Additional Min/Max Thermometer XC0692 Calibration Due Date 10/12/2012		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0719	10/6/2012	JT 5/22/12
Shipping Tracking # 8750 4328 4939	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JT 5/22/12
		Min /Max Thermometer	XC0700	10/12/2012	JT 5/22/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 484 9640		TID Initials and date: JT 5/22/12			

Custody Initiated By: (Sampler Name/Organization) Joel Thompson/CCP	Date/Time 5/22/12 0845		
Relinquished By: (Name/Organization) Joel Thompson/CCP	Date/Time 5/22/12 1600	Received By: (Name/Organization) Cathie A. Crowder/ECL	Date/Time 052412 1400
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization) Cathie A. Crowder/ECL	Date/Time 06/05/12 0800	Disposition: Cleaning	

900000

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12145002		Field Sample ID:	SR052212EIB42	
Analytical Batch:	ECL12019M		Sampling Batch:	SRHSG1211	
Data Report:	ECL12019M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	5/31/2012	1611	Date Sampled:	5/22/2012	
Lab File ID:	Y31ID		Date Received:	05/24/12	
Instrument ID:	GCMS-I		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifiers
Acetone	1.7	J
Benzene	0.072	U
Bromoform	0.019	U
Butanol	0.095	U
Carbon disulfide	0.15	J
Carbon tetrachloride	0.036	U
Chlorobenzene	0.050	U
Chloroform	0.047	U
Chloromethane	0.096	U
Cyclohexane	0.068	U
1,1-Dichloroethane	0.063	U
1,2-Dichloroethane	0.064	U
1,1-Dichloroethylene	0.067	U
cis-1,2-Dichloroethylene	0.072	U
trans-1,2-Dichloroethylene	0.068	U
1,2-Dichloropropane	0.054	U
Ethyl benzene	0.048	U
Ethyl ether	0.082	U
Methyl ethyl ketone	0.082	U
Methyl isobutyl ketone	0.059	U
Methylene chloride	0.078	U
1,1,2,2-Tetrachloroethane	0.035	U
Tetrachloroethylene	0.053	J
Toluene	5.3	J
1,1,1-Trichloroethane	0.039	U
Trichloroethylene	0.061	J
Trichlorofluoromethane	0.044	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.033	U
1,3,5-Trimethylbenzene	0.043	U
1,2,4-Trimethylbenzene	0.046	U
p/m-Xylene	0.082	J B
o-Xylene	0.048	J
Methanol	0.44	J

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12145002		Field Sample ID:	SR052212EIB42	
Analytical Batch:	ECL12019M		Sampling Batch:	SRHSG1211	
Data Report:	ECL12019M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	5/31/2012	1611	Date Sampled:	5/22/2012	
Lab File ID:	Y31ID		Date Received:	05/24/12	
Instrument ID:	GCMS-I		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifiers	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12145003		Field Sample ID:	SR052212EID76	
Analytical Batch:	ECL12019M		Sampling Batch:	SRHSG1211	
Data Report:	ECL12019M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	5/31/2012	1653	Date Sampled:	5/22/2012	
Lab File ID:	Y31IE		Date Received:	05/24/12	
Instrument ID:	GCMS-I		Composite:	No	

Compound Name	Concentration (ppmv)	Qualifiers
Acetone	1.8	J
Benzene	0.16	J
Bromoform	0.020	U
Butanol	0.10	U
Carbon disulfide	0.15	J
Carbon tetrachloride	0.038	U
Chlorobenzene	0.054	U
Chloroform	0.051	U
Chloromethane	0.10	U
Cyclohexane	0.073	U
1,1-Dichloroethane	0.067	U
1,2-Dichloroethane	0.068	U
1,1-Dichloroethylene	0.072	U
cis-1,2-Dichloroethylene	0.078	U
trans-1,2-Dichloroethylene	0.073	U
1,2-Dichloropropane	0.057	U
Ethyl benzene	0.051	U
Ethyl ether	0.088	U
Methyl ethyl ketone	0.088	U
Methyl isobutyl ketone	0.063	U
Methylene chloride	0.084	U
1,1,2,2-Tetrachloroethane	0.038	U
Tetrachloroethylene	0.055	J
Toluene	5.4	J
1,1,1-Trichloroethane	0.041	U
Trichloroethylene	0.059	J
Trichlorofluoromethane	0.047	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.035	U
1,3,5-Trimethylbenzene	0.046	U
1,2,4-Trimethylbenzene	0.049	U
p/m-Xylene	0.050	U B
o-Xylene	0.050	U
Methanol	0.44	J

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

Lab Sample ID:	12145003		Field Sample ID:	SR052212EID76	
Analytical Batch:	ECL12019M		Sampling Batch:	SRHSG1211	
Data Report:	ECL12019M		Method:	CCP-TP-175	Rev. 3
Date/Time Analyzed:	5/31/2012	1653	Date Sampled:	5/22/2012	
Lab File ID:	Y31IE		Date Received:	05/24/12	
Instrument ID:	GCMS-I		Composite:	No	

CAS Number	Compound Name	Concentration (ppmv)	Qualifiers	Retention Time (Minutes)
	None			

Number of TICs Found: 0

Form Rev 05-07

Environmental Chemistry Laboratory Independent Technical Review (ITR) Checklist

Analytical Batch:	Data Report Number:	Method : CCP-TP-175
ECL12019M	ECL12019M	

Requirement	Yes	No	Comments
5. Initial Calibration	///	///	
a. Does the BFB tune meet CCP-TP-175 requirements [Table 2]?	✓		NA
b. Are the %RSDs less than 35% for all target analytes?	✓		NA
c. Is at least one of the calibration standards at a concentration below the PRQL?	✓		NA
d. Are the correct ions used for quantitation?	✓		NA
e. Is the ICAL raw data signed/initialed and dated by the analyst and included, or referenced, as appropriate for the report?	✓		NA
f. Does the ICAL use at least 5 points (at least one below the PRQL), with %RSD < 35% for all target analytes?	✓		NA
6. Laboratory Control Samples (LCSs)	///	///	
a. Was at least one unique LCS analyzed with the analytical batch?	✓		NA
b. Is the LCS second-source from the ICAL standard source?	✓		NA
c. Do the recoveries for all target analytes in each LCS fall between 70% and 130%?	✓		NA
d. IF a duplicate LCS was analyzed, are all RPDs for all analytes greater than the PRQL ≤25%?	✓		NA
7. Duplicate Sample	///	///	
a. Was at least one field sample from the analytical batch analyzed in duplicate?	✓		NA
b. Do the RPDs for analytes above the PRQL meet the ≤25% precision requirement?	✓		NA
8. Sample Integrity Verification	///	///	
a. Is COC documentation complete and accurate for all reported samples?	✓		NA
b. Was physical integrity of all samples maintained?	✓		NA
c. Were all samples stored at temperatures between 0 and 40° C?	✓		NA
9. Instrument, Method and Personnel Qualification Verification	///	///	
a. Were all analyses conducted by analysts having current CCP qualification records on file?	✓		NA
b. Were acceptable demonstrations of precision, accuracy, and MDLs performed semiannually?	✓		NA
10. Data Report Validation and Completeness	///	///	
a. Are all changes to original data or forms made by a single line through of incorrect data, initialed/signed and dated by the person making the change?	✓		NA
b. Does the report contain a Cover Page with Table of Contents?	✓		NA
c. Does the report contain a Sample Number Cross-Reference Table?	✓		NA
d. Does the report contain copies of the COC and Gas Sample Canister Tags?	✓		NA
e. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓		NA
f. Are Lab Blank Summary Forms present for all lab blanks associated with the reported samples?	✓		NA
g. Are Lab Blank Results Forms present for all lab blanks associated with the reported samples?	✓		NA
h. Are BFB Tune Reports present for each continuing calibration associated with the reported samples?	✓		NA
i. Are Initial Calibration Forms present for all Initial Calibrations associated with the reported samples?	✓		NA
j. Are Continuing Calibration Forms present for each Continuing Calibration associated with the reported samples?	✓		NA
k. Are Internal Standard Area Summary Forms present for each daily calibration and associated sample analyses?	✓		NA
l. Are Lab Control Sample Forms present for each LCS associated with the reported samples?	✓		NA
m. Are Lab Duplicate Forms present for each duplicate analysis associated with the reported samples?	✓		NA
n. Does the report contain an MDL reporting form?	✓		NA
o. Does the report contain Quantitation Reports for every standard, sample, and QC sample reported?	✓		NA
p. Are Mass Spectra for all detected analytes and reported TICs present?	✓		NA
q. Are copies of Gas Transfer Manifold logs showing all sample pressurizations/dilutions included for all reported samples?	✓		NA

000069

Environmental Chemistry Laboratory Independent Technical Review (ITR) Checklist

Analytical Batch:	Data Report Number:	Method : CCP-TP-175
ECL12019M	ECL12019M	

	Requirement	Yes	No	Comments
r.	Are copies of analysis run logs for every standard, sample and QC sample present and accurate?	✓		NA
s.	Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓		NA
t.	Are all data reporting forms completely and correctly filled out (e.g., correct batch numbers, analyst IDs, analysis times and dates, dilution factors, sample ID numbers and file IDs)?	✓		NA
u.	If there were any NCRs associated with the data are copies included?	✓		NA
v.	Are the analyte concentrations on the Analysis Data Sheets reported in units of ppm, and correctly rounded to 2 significant figures?	✓		NA
w.	Have all data received documented data generator review and signature?	✓		NA
x.	Were all calculations verified by a valid calculation program or a spot check of verified calculation programs?	✓		NA
y.	Have the data been reviewed for transcription errors?	✓		NA
z.	Are all pages in the data report legible and correctly paginated?	✓		NA

020070

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

BDR Number: SSC11-00008	Sampling Date: Aug 31, Sept 1, 3-5, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) have a BDR Table of Contents? **Reference Source: CCP Technical Procedures**	X			
2. Does the BDR contain the sampling BDR number, BDR date, and facility name? **Reference Source: CCP-PO-001, Table C3-12**	X			
3. Does the BDR contain the identification number(s) and container numbers for the waste packages represented in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			INL ID SRS ID 10416056 MDL0504556 10416064 MDL0506692 10416057 MDL504586B 10416058 MDL0506675 10416066 MDL0506656 See SPM-1 for cross reference to SRS ID
4. Are there 20 or less field samples per sampling batch? **Reference Source: CCP-PO-001, C3-10**	X			
5. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-12**			X	None
6. Are the chain-of-custody (COC) forms and appropriate data sheets for each waste package included in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
7. Does the BDR contain the sampling ID numbers and location (physical location within the container)? **Reference Source: CCP-PO-001, Table C3-12**	x			
8. Does the waste package BDR contain the sampling date and time? **Reference Source: CCP-PO-001, Table C3-12**	X			
9. Does the waste package BDR contain the sampler's signature? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample matrix and type identified within the sampling BDR? **Reference Source: CCP-PO-001, Table C1-2**	X			
11. Does the BDR identify the sample number and size? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-21-11

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC11-00008	Sampling Date: Aug 31, Sept 1, 3-5, 2011			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Does the BDR identify the correct Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Is there a minimum of one co-located core/sample (or field duplicate) collected per sample batch or one per week during sampling operation, and is a description of the collected core included in the BDR? **Reference Source: CCP-PO-001, C3-3**	X			
14. Is there a minimum of one equipment blank for coring tools collected per equipment cleaning batch when sampling with compactor/coring unit? **Reference Source: CCP-PO-001, C1-2b**	X			Per AMWTP SPM Sampling Checklist (Q. 5) For automated coring samples.
15. Is there a minimum of one equipment blank for coring tools cleaned when sampling with single coring unit? **Reference Source: CCP-PO-001, C1-2b**	X			Per AMWTP SPM Sampling Checklist For automated coring samples
16. Is there a minimum of one equipment blank for liners collected per equipment cleaning batch? **Reference Source: CCP-PO-001, C1-2b**	X			Per AMWTP Sampling Checklist
17. Are samples preserved by keeping them at a temperature of 4°C, $\pm$ 2° C? **Reference Source: CCP-PO-001, Table C1-4**	X			
18. Were proper procedures, including revision number, used and referenced in BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			Per ITR checklist. (Q. 21 on Rev 13 of Form 1421).
19. Were samples collected within 14 days, and is a time given between coring and sub-sampling? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Were the samples transferred to the lab within the maximum holding times? **Reference Source: CCP-PO-001, Table C1-4**	X			
21. Are sampling equipment numbers (lot number for disposable equipment) included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC11-00008	Sampling Date: Aug 31, Sept 1, 3-5, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
22. Are field records present in the BDR? Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
23. Is the location (point of origin) where each sample was taken included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
24. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
25. Does the BDR include a record of analysis requested and the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
26. Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
27. Is the depth of waste included for each waste container? **Reference Source: CCP-PO-001, Table C3-12**	X			
28. Are the calculations of core recovery included in the BDR? NA if the sampling is not a core. **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: SSC11-00008				Sampling Date: Aug 31, Sept 1, 3-5, 2011
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
29. Is the co-located core/sample description included in the BDR? **Reference Source: CCP-PO-001 Table C3-12**	X			
Comments: See SPM-1 for cross reference to SRS ID.				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantu			10/20/2011
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Offsite Waste Shipment

Date: 17-Oct-2011

Time: 13:18

Shipping No. SRIN110002 **Manifest No.** 001078308gbf

Proposed Shipment Date 27-JUL-11 **Manifest Receipt Date** 29-JUL-11

Repsonsible Project SRS **# of Containers** 13

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
MDL0502414	10416054	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502419	10416047	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502428	10416055	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0504556	10416056	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506007	10416065	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506103	10416063	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506656	10416066	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506675	10416058	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506692	10416064	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL504586B	10416057	425	SR-842		SR-MD-SOIL	08/02/2011	No	
SRSB0151			-				No	
SRSB0152			-				No	
SRSB0153			-				No	

***** End of Offsite Waste Shipment Report *****

SPM-J
Amc 10/20/11

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 14-Sep-2011
Time: 10:59

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Core Sample

Core Sample ID 624
Equipment Procedure ID INST-OI-73 Procedure Revision ID 10 FC-1
Core Sample Date 01-SEP-11 14:43:00
Taken By JESSE HOWARD
Core Sample Type Initial Core Sample

Core Length 8.00 in.
Core Recovered (%) 37.2
Depth Of Waste 21.5 in.
Core Sector 6
Horizontal Position 22648 mils East

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
1102-06-01-001	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description: Dark to light brown in color, moist with rocks & soil. Waste appears to be undisturbed.

Core Sector Comment:

Core Sample Comment: Initail core sample failed due to inadequate amount of sample material retreival. A resample core is being attempted.

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092447	JHOWARD	01-SEP-2011 12:00:01	Saving data
2092646	JHOWARD	01-SEP-2011 14:43:24	Saving data
2092671	JHOWARD	01-SEP-2011 14:55:21	Saving data
2092672	JHOWARD	01-SEP-2011 14:56:55	Saving data
2092801	JHOWARD	01-SEP-2011 15:35:44	Saving data

000011 4/06

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 14-Sep-2011
Time: 10:59

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Core Sample

Core Sample ID 625
Core Sample Date 01-SEP-11 15:30:00
Taken By JESSE HOWARD
Core Sample Type Resample

Core Length 11.50 in.
Core Recovered (%) 53.5
Depth Of Waste 21.5 in.
Core Sector 6
Horizontal Position 27295 mils East

Equipment Procedure ID INST-OI-73 **Procedure Revision ID** 10 FC-1

Coring Equipment Used

Serial Number	Part Type
NO BARREL	BARREL
1102-06-01-002	LINER
NO PUSH ROD	PUSH ROD
NO BIT	DRILL BIT

Physical Description Waste appears to be dark to light brown, moist with a soil and rock texture. Waste appears to be undisturbed.

Core Sector Comment

Core Sample Comment

Cancel Date **By** **Reason**

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092782	JHOWARD	01-SEP-2011 15:31:03	Saving data
2092799	JHOWARD	01-SEP-2011 15:35:19	Saving data

Sub Sample

Core Sample ID 625
Sub Sample ID 10420302
Sub Sample Date 01-SEP-11 15:39:56
Taken By JESSE HOWARD
Weight 2.98 gms
Volume 20 ml.
Custody Seal Attached Y **Preserved to 4 Degrees C** Y
Sample Requested PVOC
Required Distance 1.00 in. **Actual Distance** 1.00 in.
Distance From Top Comment

Sub Sample Comment

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID031-1088	05_12321

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092807	JHOWARD	01-SEP-2011 15:39:37	Saving data
2092848	JHOWARD	01-SEP-2011 16:33:09	Saving data

000012 of 100

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Sub Sample

Core Sample ID 625 Sub Sample ID 10420303 Weight 2.94 gms
Sub Sample Date 01-SEP-11 15:40:49 Volume 20 ml.
Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Required Distance in. Actual Distance 1.50 in. Distance From Top Comment

Sub Sample Comment

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID03I-1088	05_12321

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2092808	JHOWARD	01-SEP-2011 15:40:44	Saving data

Sub Sample

Core Sample ID 625 Sub Sample ID 10420304 Weight 2.89 gms
Sub Sample Date 01-SEP-11 15:41:54 Volume 20 ml.
Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 2.00 in. Distance From Top Comment

Sub Sample Comment
SPARE 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID03I-1088	05_12321

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2092809	JHOWARD	01-SEP-2011 15:41:21	Saving data

000013 96/96

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Sub Sample

Core Sample ID 625 Sub Sample ID 10420305 Weight 2.70 gms
Sub Sample Date 01-SEP-11 15:42:34 Volume 20 ml.
Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Required Distance in. Actual Distance 2.50 in. Distance From Top Comment

Sub Sample Comment
SPARE 2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID031-1088	05_12321

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092811	JHOWARD	01-SEP-2011 15:43:07	Saving data

Sub Sample

Core Sample ID 625 Sub Sample ID 10420306 Weight 39.29 gms
Sub Sample Date 01-SEP-11 15:46:12 Volume 125 ml.
Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Required Distance in. Actual Distance 3.00 in. Distance From Top Comment

Sub Sample Comment

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
125 ML (4 oz) Vial	PC0125-0015	010507	07-961	
Spatula	3693	J008615 SPAT	ID031-1088	05_12321
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092816	JHOWARD	01-SEP-2011 15:46:48	Saving data

000014 of 106

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Sub Sample

Core Sample ID 625 Sub Sample ID 10420307 Weight 2.71 gms

Sub Sample Date 01-SEP-11 15:50:11 Volume 20 ml.

Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Required Distance in. Actual Distance 0.00 in. Distance From Top Comment

Sub Sample Comment
TRIP BLANK 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID031-1088	05_12321

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092818	JHOWARD	01-SEP-2011 15:50:41	Saving data

Sub Sample

Core Sample ID 625 Sub Sample ID 10420308 Weight 2.76 gms

Sub Sample Date 01-SEP-11 15:50:50 Volume 20 ml.

Taken By JESSE HOWARD Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Required Distance in. Actual Distance 0.00 in. Distance From Top Comment

Sub Sample Comment
TRIP BLANK 2

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID031-1088	05_12321

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092819	JHOWARD	01-SEP-2011 15:51:20	Saving data

000015 6/06

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Core Sample Batch Data Report

Date: 14-Sep-2011
Time: 11:00

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSC11-00008	10416064	SR-842	S4200	425

Sub Sample

Core Sample ID 625 **Sub Sample ID** 10420309 **Weight** 2.95 gms

Sub Sample Date 01-SEP-11 15:51:29 **Volume** 20 ml.

Taken By JESSE HOWARD **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Required Distance in. **Actual Distance** 0.00 in. **Distance From Top Comment**

Sub Sample Comment
TRIP BLANK 3

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	039795	10-1726	
Spatula	3693	J008615 SPAT	ID03I-1088	05_12321

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2092821	JHOWARD	01-SEP-2011 15:51:54	Saving data

000016 of 106

ALD LAB #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 09:59
COC No.: 0000508
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416056	SR-842	10420099	31-Aug-2011	15:35	20 / ml	2.93 / gms	PVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420100	31-Aug-2011	15:37	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420101	31-Aug-2011	15:39	20 / ml	2.79 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416056	SR-842	10420102	31-Aug-2011	15:41	20 / ml	2.71 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416056	SR-842	10420103	31-Aug-2011	15:45	125 / ml	36.96 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416056	SR-842	10420104	31-Aug-2011	15:58	20 / ml	2.77 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416056	SR-842	10420105	31-Aug-2011	15:59	20 / ml	2.83 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416056	SR-842	10420106	31-Aug-2011	16:00	20 / ml	2.98 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1005	BOC # AMWTP000647 Seal # 077483
Received By	LONNEY NATE	Lonney Nate	09/06/11 1005	HWD Delivered Lonney Nate 9/6/11 11:45
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 Thats 9-6-11 12:10	
Received By	Bill Strong		9-06-11 11 12 15	
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:06
COC No.: 0000509
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416064	SR-842	10420302	01-Sep-2011	15:39	20 / ml	2.98 / gms	PVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420303	01-Sep-2011	15:40	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420304	01-Sep-2011	15:41	20 / ml	2.89 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416064	SR-842	10420305	01-Sep-2011	15:42	20 / ml	2.70 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416064	SR-842	10420306	01-Sep-2011	15:46	125 / ml	39.29 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416064	SR-842	10420307	01-Sep-2011	15:50	20 / ml	2.71 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416064	SR-842	10420308	01-Sep-2011	15:50	20 / ml	2.76 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416064	SR-842	10420309	01-Sep-2011	15:51	20 / ml	2.95 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1015	BOL# AMWTP000647 Seal# 077651
Received By	LONNEY NATE	Lonney Nate	09/06/11 1015	HAND DELIVERED Lonney Nate 9/6/11 11:53
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 1810 9-6-11	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0000439 of 0000

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ALS Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:11
COC No.: 0000510
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420486	03-Sep-2011	08:13	20 / ml	2.96 / gms	PVOC	Abel Escobar	PVOC	
SSC11-00008	10416057	SR-842	10420487	03-Sep-2011	08:15	20 / ml	2.71 / gms	NHVOC	Abel Escobar	NHVOC	
SSC11-00008	10416057	SR-842	10420488	03-Sep-2011	08:17	20 / ml	2.74 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420489	03-Sep-2011	08:18	20 / ml	3.00 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420490	03-Sep-2011	08:21	125 / ml	39.45 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420503	03-Sep-2011	11:43	20 / ml	2.68 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420504	03-Sep-2011	11:45	20 / ml	2.51 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420505	03-Sep-2011	11:47	20 / ml	2.61 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:23:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:23:46	
Relinquished By	Angel Aguinaga		9/6/11 10:27	BOL # AMWTP000647 Seal # 077644
Received By	Lonnie Nate	Lonnie Nate	9/6/11 10:27	HAND Delivered Lonnie Nate 9/6/11 1135
Relinquished By	Lonnie Nate	Lonnie Nate	9/6/11 Lnate 9-6-11 10	
Received By	Bill Strong	Bill Strong	9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:27
COC No.: 0000511
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420491	03-Sep-2011	08:37	20 / ml	2.67 / gms	PVOC	Abel Escobar	PVOC 1	
SSC11-00008	10416057	SR-842	10420492	03-Sep-2011	08:39	20 / ml	2.99 / gms	PVOC	Abel Escobar	PVOC 2	
SSC11-00008	10416057	SR-842	10420493	03-Sep-2011	08:41	20 / ml	2.75 / gms	PVOC	Abel Escobar	PVOC 3	
SSC11-00008	10416057	SR-842	10420494	03-Sep-2011	08:43	20 / ml	2.53 / gms	NHVOC	Abel Escobar	NHVOC 1	
SSC11-00008	10416057	SR-842	10420495	03-Sep-2011	08:44	20 / ml	2.98 / gms	NHVOC	Abel Escobar	NHVOC 2	
SSC11-00008	10416057	SR-842	10420496	03-Sep-2011	08:45	20 / ml	2.75 / gms	NHVOC	Abel Escobar	NHVOC 3	
SSC11-00008	10416057	SR-842	10420497	03-Sep-2011	08:46	20 / ml	2.62 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420498	03-Sep-2011	08:47	20 / ml	2.72 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420499	03-Sep-2011	08:48	125 / ml	39.85 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420506	03-Sep-2011	11:50	20 / ml	2.73 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420507	03-Sep-2011	11:52	20 / ml	2.87 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420508	03-Sep-2011	11:54	20 / ml	2.95 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:21:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:21:46	
Relinquished By	Angel Aguinaga		9/6/11 10:43	BOL# AMWTP000647 SEAL# 077682
Received By	LOWNEY NATE	Lowney Nate	9/6/11 10:43	HAND DELIVERED Lowney Nate 9/6/11 11:40
Relinquished By	LOWNEY NATE	Lowney Nate	9/6/11 Mate 9-6-11 12:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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000045 of 000

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:43
COC No.: 0000512
Page 1 of 1

1109061

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416058	SR-842	10420564	04-Sep-2011	10:35	20 / ml	2.69 / gms	PVOC	Michael Kremin	pvoc	
SSC11-00008	10416058	SR-842	10420565	04-Sep-2011	10:38	20 / ml	2.85 / gms	NHVOC	Michael Kremin	nhvoc	
SSC11-00008	10416058	SR-842	10420566	04-Sep-2011	10:41	20 / ml	2.84 / gms	SPARE	Michael Kremin	spare 1	
SSC11-00008	10416058	SR-842	10420567	04-Sep-2011	10:43	20 / ml	2.97 / gms	SPARE	Michael Kremin	spare 2	
SSC11-00008	10416058	SR-842	10420568	04-Sep-2011	10:50	125 / ml	39.90 / gms	SVOC, METALS	Michael Kremin	svoc metals	
SSC11-00008	10416058	SR-842	10420569	04-Sep-2011	11:03	20 / ml	2.86 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSC11-00008	10416058	SR-842	10420570	04-Sep-2011	11:16	20 / ml	2.60 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSC11-00008	10416058	SR-842	10420571	04-Sep-2011	11:21	20 / ml	2.75 / gms	TRIP BLANK	Michael Kremin	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-SEP-11 15:27:28	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:27:28	
Relinquished By	Angel Aguinaga		9/6/11 10:57	BOL# AMWTP000647 Seal # 077636
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:57	HAND DeLivered Lonny Nate 9/6/11 11:50
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 Mod 9-6-11	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

000046 of 000

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AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:56
COC No.: 0000513
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416066	SR-842	10420687	05-Sep-2011	10:42	20 / ml	2.58 / gms	PVOC	Nicholas Ingle	pvoc	
SSC11-00008	10416066	SR-842	10420688	05-Sep-2011	10:44	20 / ml	2.90 / gms	NHVOC	Nicholas Ingle	nhvoc	
SSC11-00008	10416066	SR-842	10420689	05-Sep-2011	10:46	20 / ml	2.95 / gms	SPARE	Nicholas Ingle	spare 1	
SSC11-00008	10416066	SR-842	10420690	05-Sep-2011	10:48	20 / ml	2.90 / gms	SPARE	Nicholas Ingle	spare 2	
SSC11-00008	10416066	SR-842	10420691	05-Sep-2011	10:51	125 / ml	38.10 / gms	SVOC, METALS	Nicholas Ingle	svoc metals	
SSC11-00008	10416066	SR-842	10420720	05-Sep-2011	13:26	20 / ml	2.80 / gms	TRIP BLANK	Nicholas Ingle	trip blank 1	
SSC11-00008	10416066	SR-842	10420728	05-Sep-2011	13:28	20 / ml	2.92 / gms	TRIP BLANK	Nicholas Ingle	trip blank 2	
SSC11-00008	10416066	SR-842	10420735	05-Sep-2011	13:30	20 / ml	2.74 / gms	TRIP BLANK	Nicholas Ingle	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Nicholas Ingle	Electronically signed in WTS	05-SEP-11 15:17:06	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:17:06	
Relinquished By	Angel Aguinaga		9/6/11 11:08	BOL# AMWTP000647 SEAL # 077642
Received By	LONNEY NATE	Lonny Nate	9/6/11 11:08	HAND DELIVERED Lonny Nate 9/6/11 11:54
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 11:10	
Received By	BILL STRONG		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP
Advanced Mixed Waste Treatment Project

Refrigerator Temperature Logsheet

Form-1585 Rev. 2
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Operator	Date	Time	Current Temperature	High Temperature Since Last Reading	Low Temperature Since Last Reading	Comments
DAVEY SUMMERS	08/29/11	1845	4.4°C	4.5°C	3.9°C	Samples IN Refrig
DAVEY SUMMERS	08/30/11	0837	3.9°C	4.5°C	3.9°C	Samples IN Refrig
DAVEY SUMMERS	08/30/11	1840	3.8°C	4.3°C	3.6°C	NO Samples IN Refrig
DAVEY SUMMERS	08/31/11	0735	4.0°C	4.1°C	3.8°C	NO Samples IN Refrig
DAVEY SUMMERS	08/31/11	1840	3.7°C	4.0°C	3.6°C	Samples IN Refrig
DAVEY SUMMERS	09/01/11	0750	3.8°C	4.0°C	3.6°C	Samples IN Refrig
DAVEY SUMMERS	09/01/11	1840	3.7°C	3.9°C	3.6°C	Samples IN Refrig
Nick Engle	09/02/11	0855	3.7°C	3.9°C	3.7°C	Samples in Fridge
Abel Escobar	9/3/11	0757	3.8°C	3.9°C	3.5°C	Samples in fridge
mike Kremin	9/3/11	1430	3.8°C	4.0°C	3.7°C	Samples In Fridge
mike Kremin	9/4/11	0730	3.6°C	4.0°C	3.4°C	Samples IN Fridge
Abel Escobar	9/4/11	1816	3.5°C	3.8°C	3.4°C	Samples in fridge
Abel Escobar	9/5/11	0720	3.6°C	3.6°C	3.6°C	Samples in fridge

8400000

AMWTP Advanced Mixed Waste Treatment Project

Characterization Round Sheet

Form-1602, Rev. 6
Effective: 06/04/09

Implementing Document: MP-COPS-9.3

Date of Shift Week: 08/29/11 to 09/04/11

Time	Equipment Check/Data Point		Normal Condition	Off-Spec Condition	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
0800	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	4.0°C	3.9°C	4.0°C	3.8°C	3.9°C	3.8°C	3.6°C
		High Temp	2°C to 6°C	<2°C or >6°C	4.3°C	4.5°C	4.1°C	4.0°C	3.9°C	3.9°C	4.0°C
		Low Temp	2°C to 6°C	<2°C or >6°C	3.6°C	3.9°C	3.8°C	3.6°C	3.6°C	3.5°C	3.4°C
		Refrigerator	Locked	Unlocked	Locked	Locked	Locked	Locked	Locked	Locked	Locked
	Blow down the air receiver for the WMF-634 air compressor per INST-OI-27, Characterization Facility Main Building Air System Operations. (if completed √)				✓	✓	✓	✓	✓	✓	✓
	DVS nitrogen gas bottle pressure		>300 psi	<300 psi	1700#	1675#	1700#	1700#	1700#	1700#	1700#
	HGAS nitrogen gas bottle pressure		>300 psi	<300 psi	310#	2250#	2250#	2250#	2250#	2250#	2200#
	HGAS helium gas bottle pressure		>300 psi	<300 psi	1650	1675#	1675#	1650#	1650#	1650#	1650#
	WMF-634 inside temperature (Use WTS to verify.)		>65°F	<65°F	71°F	72°F	73°F	70°F	73°F	73°F	72°F
	Operator Initial				✓	✓	✓	✓	TS	TS	TS
	SS Review Initial				SM	GJM	GJM	GJM	DHC	DHC	DHC
2000	Coring Refrigerator Temperature[1,2]	Current Temp	2°C to 6°C	<2°C or >6°C	4.4°C	3.8°C	3.7°C	3.7°C	3.9°C	3.7°C	3.4°C
		High Temp	2°C to 6°C	<2°C or >6°C	4.5°C	4.3°C	4.0°C	3.9°C	3.9°C	4.0°C	4.3°C
		Low Temp	2°C to 6°C	<2°C or >6°C	3.9°C	3.6°C	3.6°C	3.6°C	3.6°C	3.6°C	3.3°C
		Refrigerator	Locked	Unlocked	Locked	Locked	Locked	Locked	Locked	Locked	Locked
	Operator Initial				✓	✓	✓	✓	TS	DHC	CB
	SS Review Initial				JB	JB	JB	JB	AD	DHC	AD

1. Temperature readings are recorded once every shift in accordance with procedure. However, if extenuating circumstances prevent documentation every shift, then the temperature readings must be taken at a minimum of once a day to ensure sample integrity is maintained and the requirement of SW-846 is met.
2. Recording refrigerator temperature is only required while samples are in the refrigerator and data from Form-1602 can be transferred to Form-1585 by a qualified coring operator.

BEST AVAILABLE per Charlie Turner S.T. 10-20-11

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Characterization Round Sheet

Form-1602, Rev. 6
Effective: 06/04/09

Implementing Document: MP-COPS-9.3

Date of Shift Week: 09/05/11 **to** 09/11/11

Time	Equipment Check/Data Point		Normal Condition	Off-Spec Condition	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
0800	Coring Refrigerator Temperature[1, 2]	Current Temp	2°C to 6°C	<2°C or >6°C	3.6°C	3.6°C					
		High Temp	2°C to 6°C	<2°C or >6°C	3.7°C	4.3°C					
		Low Temp	2°C to 6°C	<2°C or >6°C	3.4°C	3.3°C					
		Refrigerator	Locked	Unlocked	Locked	Locked					
	Blow down the air receiver for the WMF-634 air compressor per INST-OI-27, Characterization Facility Main Building Air System Operations. (if completed √)				✓	✓					
	DVS nitrogen gas bottle pressure		>300 psi	<300 psi	1700 psi	1675 psi					
	HGAS nitrogen gas bottle pressure		>300 psi	<300 psi	2200 psi	2150 psi					
	HGAS helium gas bottle pressure		>300 psi	<300 psi	1675 psi	1650 psi					
	WMF-634 inside temperature (Use WTS to verify.)		>65°F	<65°F	75°F	69°F					
	Operator Initial				C.S.	J					
	SS Review Initial				DM	JB					
2000	Coring Refrigerator Temperature[1, 2]	Current Temp	2°C to 6°C	<2°C or >6°C	3.5°C						
		High Temp	2°C to 6°C	<2°C or >6°C	4.3°C						
		Low Temp	2°C to 6°C	<2°C or >6°C	3.3°C						
		Refrigerator	Locked	Unlocked	Locked						
	Operator Initial				BB						
	SS Review Initial				AB						

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1. Temperature readings are recorded once every shift in accordance with procedure. However, if extenuating circumstances prevent documentation every shift, then the temperature readings must be taken at a minimum of once a day to ensure sample integrity is maintained and the requirement of SW-846 is met.
2. Recording refrigerator temperature is only required while samples are in the refrigerator and data from Form-1602 can be transferred to Form-1585 by a qualified coring operator.

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Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/29/11

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
08/24/11	0925	MTE-158	30.00 +/- .01g	30.00g	PASS	
08/24/11	0925	MTE-130	50.00 +/- .01g	50.00g	PASS	
08/24/11	0925	MTE 158+130	80.00 +/- .01g	80.00g	PASS	
08/25/11	0823	MTE-158	30.00 +/- 01g	30.00g	Pass	
08/25/11	0824	MTE-130	50.00 +/- 01g	50.00g	Pass	
08/25/11	0825	MTE 158 & MTE 130	80.00 +/- 01g	80.00g	Pass	
08/26/11	08 13	MTE-158	30.00 +/- .01g	30.00g	Pass	
08/26/11	08 14	MTE-130	50.00 +/- .01g	50.00g	Pass	
08/26/11	08 15	MTE-158 & MTE-130	80.00 +/- .01g	80.00g	Pass	
08/27/11	08 44	MTE-158	30.00 +/- .01g	30.00g	Pass	
08/27/11	08 45	MTE-130	50.00 +/- .01g	50.00g	Pass	
08/27/11	08 46	MTE-158 & MTE-130	80.00 +/- .01g	80.00g	Pass	
08/30/11	1400	MTE-158	30.00 +/- 0.01G	30.00G	Pass	
08/30/11	1400	MTE-130	50.00 +/- 0.01G	50.00G	Pass	
08/30/11	1400	MTE-158 & 130	80.00 +/- 0.01G	~~800.00~~ recorded 80.00	Pass	
08/31/11	0755	MTE-158	30.00 +/- 0.01g	30.00g	Pass	
08/31/11	0755	MTE-130	50.00 +/- 0.01G	50.00g	Pass	
08/31/11	0755	MTE-130 & 158	80.00 +/- 0.01g	80.00g	Pass	

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Analytical Balance Calibration Check Sheet

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Rev. 4
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/29/11

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
09/01/11	0800	MTE-158	30.00g +/- .01g	30.00g	Pass	
09/01/11	0800	MTE-130	50.00g +/- .01g	50.00g	Pass	
09/01/11	0800	MTE-158+130	80.00g +/- .01g	80.00g	Pass	
09/03/11	0752	MTE-158	30.00g +/- .01g	30.00g	Pass	
09/03/11	0753	MTE-130	50.00g +/- .01g	50.00g	Pass	
09/03/11	0754	MTE-158 & MTE-130	80.00g +/- .01g	80.00g	Pass	
09/04/11	0834	MTE-158	30.00g +/- .01g	30.00g	Pass	
09/04/11	0835	MTE-130	50.00g +/- .01g	50.00g	Pass	
09/04/11	0836	MTE-158 & MTE-130	80.00g +/- .01g	80.00g	Pass	
~~09/05/11~~						
09/05/11	0808	MTE-158	30.00 +/- .01g	30.00g	Pass	
09/05/11	0809	MTE-130	50.00 +/- .01g	50.00g	Pass	
09/05/11	0810	MTE-158 & MTE-130	80.00 +/- .01g	80.00g	Pass	
09/06/11	0800	MTE-158	30.00 +/- 0.01g	30.00g	Pass	
09/06/11	0800	MTE-130	50.00 +/- 0.01g	50.00g	Pass	
09/06/11	0800	MTE-158+130	80.00 +/- 0.01g	80.00g	Pass	
09/07/11	1105	MTE-158	30.00 +/- 0.01g	30.00g	Pass	
09/07/11	1105	MTE-130	50.00 +/- 0.01g	50.00g	Pass	
09/07/11	1105	MTE-158+130	80.00 +/- 0.01g	80.00g	Pass	
09/08/11	0755	MTE-158	30.00 +/- 0.01g	30.00g	Pass	
09/08/11	0755	MTE-130	50.00 +/- 0.01g	50.00g	Pass	
09/08/11	0755	MTE-130+158	80.00 +/- 0.01g	80.00g	Pass	

MT 9/5/11

09/08/11 000052500

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Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/29/11

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
06/20/11	0754	MTE-130	50.00 +/- 0.01G	50.00G	PASS	
06/20/11	0754	MTE-158	30.00 +/- 0.01G	30.00G	PASS	
06/20/11	0754	MTE-130 & MTE-158	80.00 +/- 0.01G	80.00G	PASS	
06/21/11	1042	MTE-130	50.00 +/- 0.01G	50.00G	PASS	
06/21/11	1042	MTE-158	30.00 +/- 0.01G	30.00G	PASS	
06/21/11	1042	MTE-130 & MTE-158	80.00 +/- 0.01G	80.00G	PASS	
06/22/11	1100	MTE-158	30.00 +/- 0.01G	30.00G	PASS	
06/22/11	1102	MTE-130	50.00 +/- 0.01G	50.00G	PASS	
06/22/11	140 +/- 1mV 78.0 +/- 1mV	MTE-158 & MTE-130	80.00 +/- 0.01G	80.00G	PASS	
06/23/11	8:14	MTE-130	50.00 +/- 0.01G	50.00G	PASS	
06/23/11	8:16	MTE-158	30.01 +/- 0.01G	30.01G	PASS	
06/23/11	8:18	MTE-130 & MTE158	80.01 +/- 0.01G	80.01G	PASS	
09/02/11	09:24	MTE-130	50.00 +/- 0.01G	50.00G	Pass	
09/02/11	09:27	MTE-158	30.01 +/- 0.01G	30.01G	Pass	
09/02/11	09:31	MTE-130 & MTE158	80.01 +/- 0.01G	80.01G	Pass	

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Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-002 **Scale Calibration Expiration Date:** 09/03/11

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
08/24/11	0933	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
08/24/11	0933	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
08/24/11	0933	MTE-314	500.00 +/- 0.01G	500.00G	Pass	
08/25/11	0820	MTE-179	50.00 +/- .01g	50.00G	Pass	
08/25/11	0821	MTE-160	150.00 +/- .01g	150.00G	Pass	
08/25/11	0822	MTE-314	500.00 +/- .01g	~~499.99~~ 8/31/11 MTE 499.99	Pass	
08/26/11	08 10	MTE-179	50.00 +/- .01g	50.00g	Pass	
08/26/11	08 11	MTE-160	150.00 +/- .01g	150.00g	Pass	
08/26/11	08 12	MTE-314	500.00 +/- .01g	500.00g	Pass	
08/27/11	08 40	MTE-179	50.00 +/- .01g	50.00g	Pass	
08/27/11	08 41	MTE-160	150.00 +/- .01g	150.00g	Pass	
08/27/11	08 42	MTE-314	500.00 +/- .01g	500.00g	Pass	
08/30/11	1406	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
08/30/11	1406	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
08/30/11	1406	MTE-314	500.00 +/- 0.01G	500.00G	Pass	
08/31/11	0802	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
08/31/11	0802	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
08/31/11	0802	MTE-314	500.00 +/- 0.01G	500.00G	Pass	

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Analytical Balance Calibration Check Sheet

Form
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-002 Scale Calibration Expiration Date: 09/03/11

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
09/01/11	0755	MTB-179	50.00g +/- 0.01g	50.00g	Pass	
09/01/11	0755	MTB-160	150.00g +/- 0.01g	150.00g	Pass	
09/01/11	0755	MTB-314	500.00g +/- 0.01g	500.00g	Pass	

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Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

F- .215
Rev. 4
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-002 Scale Calibration Expiration Date: 09/01/12

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
09/02/11	0920	MTE-314	500.00 +/- 0.01G	499.99 G	PASS	
09/02/11	0921	MTE-179	50.00 +/- 0.01G	50.00G	PASS	
09/02/11	0922	MTE-160	150.00 +/- 0.01G	150.00G	PASS	
09/03/11	0748	MTE-314	500.00 +/- 0.01G	500.00G	Pass	
09/03/11	0749	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
09/03/11	0750	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
09/04/11	0830	MTE-314	500.00 +/- 0.01G	500.00G	Pass	
09/04/11	0831	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
09/04/11	0832	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
09/05/11	0804	MTE-179	50.00 +/- 0.01G	50.00 G	PASS	
09/05/11	0805	MTE-160	150.00 +/- 0.01G	150.00 G	PASS	
09/05/11	0806	MTE-314	500.00 +/- 0.01G	500.00G	PASS	
09/06/11	0804	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
09/06/11	0804	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
09/06/11	0805	MTE-314	500.00 +/- 0.01G	500.00G	Pass	
09/07/11	1120	MTE-179	50.00 +/- 0.01g	50.00g	Pass	
09/07/11	1120	MTE-160	150.00 +/- 0.01g	150.00g	Pass	
09/07/11	1120	MTE-314	500.00 +/- 0.01g	500.00g	Pass	
09/08/11	0807	MTE-179	50.00 +/- 0.01G	50.00G	Pass	
09/08/11	0807	MTE-160	150.00 +/- 0.01G	150.00G	Pass	
09/08/11	0808	MTE-314	500.00 +/- 0.01G	~~50.0~~ 500.00	Pass	

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Testing Batch No.: SSC11-00008	Location: Z-250-801			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the QA documentation for the Batch Data Reports complete and does it include data reports and QC results? o Coring Batch Cover Sheet o Table of Contents (manual review only) o Coring Analysis Reports (manual review only) o Chain of Custody (manual review only) o Refrigerator Temperature Log Sheet (Form-1585) (manual review only) and/or Characterization Round Sheet (Form-1602) o Analytical Balance Calibration Check Sheet (Form-1215) (manual review only) o Solid Waste Sampling Checklist (Form-1599) (manual review only) o Solid Sampling Independent Reviewer Checklist (Form-1421) (manual review only) o Supplemental Batch Comment Form (Form-1491) (manual review only) o Associated NCRs (referenced in WTS)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Has the Chain of Custody been initiated properly, filled out correctly and completely?	X			
4. Was each Coring Operator qualified at the time of each coring event?	X			
5. Was the E-signature History review performed?	X			
6. Was the core sample and sub-sample collected based on a random selection method using randomly selected horizontal and vertical planes?	X			

9/26/2600000

Testing Batch No.: SSC11-00008	Location: Z-250-801			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? • If any of these conditions have not been met, record the NCR number in the comments section. o Sealing of the liner prior to sampling o Refrigeration of the samples	X			
8. Were the cores visually examined?	X			
9. Was the co-located core visually compared to the first core and were the results acceptable?	X			
10. Were the units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated correctly?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling and coring tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? o Was the coring tool inspection satisfactory? o Was the sampling equipment protective wrapper intact? o Was the sampling area inspection satisfactory? o Were the sampling tools visually clean after unwrapping?	X			
16. Were co-located cores or samples collected at a frequency of one per sampling batch, as defined in INST-OI-16 and/or INST-OI-73?	X			

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Testing Batch No.: SSC11-00008 Criteria	Location: Z-250-801 Yes	No	NA	Comment
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet DQOs or QAOs? If so indicate all NCR numbers in the batch comment section.			X	
18. For drums that contain smaller containers, has one randomly selected smaller container been sampled, as applicable?			X	
19. Has the use of INST-OI-16 and/or INST-OI-73, sampling equipment, and measurement units been consistent?	X			
20. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-16, Drum Coring Operations and/or INST-OI-73, Manual Drum Coring Operations?	X			
21. Was the correct revision of the procedure documented on each analysis report?	X			
22. Does the core sample collected have a length ≥ to 50% of the depth of the waste?	X			
23. If core recovery is <50%, has a second core location been randomly selected?	X			
24. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
25. Were the rework requirements clearly identified in WTS or on the BDR?	X			See batch comments.

ITR Print Name: Travis R. Walker	ITR Signature:	Date: 9/14/11

000099 of 100

Batch Data Report #: SSC11-00008

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives been met? Precision: • Has a co-located core sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Coring Tools – Liners – Sampling Equipment Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • The containers were randomly selected from the container population and the subsampling location in the core was randomly selected. Comparability: • Was the correct version of INST-OI-16 or INST-OI-73 used?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

000100 of 00

Batch Data Report #: SSC11-00008

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(2) continued Representativeness: • Were non-disposable coring tools and sampling equipment cleaned prior to sampling? • Has ≥50% of the depth of the waste or the core with the best core recovery been used for sample collection? • Was the waste disturbance minimized verified by visual examination of the core and the documented in the field logbook?	☒	☐	☐		
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(4) Was the scale in calibration, and a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the MDL for VOCs and SVOCs and less than 3 times the PRDLs for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Are samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	

000101 of 190

Batch Data Report #: SSC11-00008

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(7) Were samples collected within 14 days and is a time given between coring and sub-sampling?	☒	☐	☐	MP-TRUW-8.2, Table C1-4 and C1-2b(1)	
(8) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2, C3-10	
(9) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(10) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample?*	☒	☐	☐	MP-TRUW-8.2, Table C3- 12	
(11) Is the location (point of origin) where each sample was taken included in the batch data report? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Does the batch data report include a record of analysis requested and laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

0001023 of 1000

Batch Data Report #: SSC11-00008

	Question	Response			Requirement	Comment
		YES	NO	N/A		
(14)	Is the depth of waste included for each waste container?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15)	Is the time between coring and sub-sampling less than one hour? If time is greater than 1 hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(16)	The data for all containers within this batch meet the review, validation, and verification requirements. • Are proper units (e.g. grams or liters) and significant figures used? • Is the BDR complete (all pages identified in the BDR and numbered accordingly)? • WTS Coring Batch Cover Sheet • Table of Contents (manual review only) • WTS Coring Analysis Reports • Chain of Custody • Refrigerator Temperature Log Sheet (Form-1585) and/or Form-1602, Characterization Round Sheet • Analytical Balance Calibration Check Sheet (Form-1215) • Solid Waste Sampling Checklist (Form-1599) • Solid Sampling Independent Reviewer Checklist (Form-1421) • Supplemental Batch Comment Form (Form-1491) • Associated NCRs	☒	☐	☐	MP-TRUW-8.2, C3-10b	

000103 ~~96~~ 106

Batch Data Report #: SSC11-00008

	Question	Response YES	Response NO	Response N/A	Requirement	Comment
(17)	Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	There are no NCRs associated with Solid Sampling.
(18)	Were the following inspections performed? • Was the coring tool inspection satisfactory? • Was the sampling equipment protective wrapped intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2B(2)	
(19)	Are the calculation of core recovery and co-located core description included in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(20)	All data associated with this BDR is acceptable for signature release?	☒	☐	☐	MP-TRUW-8.2, C3-10b(2)	

Comments:

SPM: Kenny Burnside (Print Name) _____ (Signature) 10/6/11 (Date)

000104

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			See Offsite Shipment form for cross reference to SRS container ID
4. Is the BDR complete? **Reference Source: CCP-PO-001 C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: INL ID SRS ID 10416056 MDL0504556 10416064 MDL0506692 10416057 MDL504586B 10416058 MDL0506675 10416066 MDL0506656
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**	X			NCR-ALD-3191-11 on batch. Refrigerator storing unaltered samples exceeded the temperature range after analysis of these samples. No impact to data. Use As Is.
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-21-11

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
14. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**	X			
15. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
16. Are the %Rs for all MS compounds within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**	X			
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**	X			
18. Are the %Rs for all MSD compounds within the acceptable range? Note: The MSD is used in place of the laboratory duplicate **Reference Source: CCP-PO-001, Table C3-4**	X			
19. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-4**	X			

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
20. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			CP:11:01671
21. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	No compounds above PRQL.
22. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: EPA Method SW-846 8260**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Are the results of the trip blank ≤3 times the program-required MDL? **Reference Source: EPA Method SW-846 8260**	X			
24. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
25. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**	X			
26. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**	X			
27. Are the SMCs %R values within specified criteria? **Reference Source: CCP-PO-001, Table C3-5**	X			
28. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**	X			
29. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**	X			Bromoform only

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
30. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-5**	X			
31. Are the relative response factors for all target analytes System Performance Check Compounds (SPCCs) OK? Chloromethane: ≥ 0.10 1,1-Dichloroethane: ≥ 0.10 Bromoform: ≥ 0.10 Chlorobenzene: ≥ 0.30 1, 1, 2, 2-Tetrachloroethane: ≥ 0.30 SW-846 Method 8260B, Section 7.3.5.4 **Reference Source: CCP-PO-001, Table C3-5**	X			
32. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-5**	X			For all except bromoform

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
33. If %RSD is greater than 15, is regression equation generated and used? **Reference Source: CCP-PO-001, Table C3-5**	X			
34. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-5**	X			
35. Were the Bromofluorobenzene (BFB) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-5**	X			
36. Is the BFB Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-5**	X			

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
37. Is BFB Tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
38. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
39. Are the %Ds less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-5**	X			
40. Is the retention time (RT) for internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-5**	X			
41. Is internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-5**	X			
42. For GC/FID, are the RTs for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**			X	Not GC/FID

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026V	Analysis Date: September 13-14, 2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
43. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**	X			
44. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
45. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			

BDR Number: ALD11026V				Analysis Date: September 13-14, 2011
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
46. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
47. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
48. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
49. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
50. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-6**	X			
51. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			
52. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**	X			
53. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026V				**Analysis Date: September 13-14, 2011**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
54. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
55. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
Comments: See SPM-1 for cross reference to SRS ID				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				

Adela M. Cantú	Adela M Cantú	10/20/2011
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Offsite Waste Shipment

Date: 17-Oct-2011

Time: 13:18

Shipping No. SRIN110002 **Manifest No.** 001078308gbf

Proposed Shipment Date 27-JUL-11 **Manifest Receipt Date** 29-JUL-11

Repsonsible Project SRS **# of Containers** 13

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
MDL0502414	10416054	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502419	10416047	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502428	10416055	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0504556	10416056	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506007	10416065	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506103	10416063	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506656	10416066	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506675	10416058	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506692	10416064	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL504586B	10416057	425	SR-842		SR-MD-SOIL	08/02/2011	No	
SRSB0151			-				No	
SRSB0152			-				No	
SRSB0153			-				No	

***** End of Offsite Waste Shipment Report *****

SPM-1
Amc 10/20/11

TOTAL VOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method: CCP-TP-184-R0

Data Report Number: ALD11026V

Analytical Method: CCP-TP-184-R0

Analytical Batch ID: 1109061

Field Sample ID	Lab Sample ID
NA	LBV091311A
NA	LCSV1109061A
10420104	1DH87
10420302	1DH88
10420307	1DH90
10420486	1DH91
10420503	1DH93
10420491	1DH94
10420492MS	1DH94MS
10420493MSD	1DH94MSD
10420506	1DH96
10420564	1DH97
10420569	1DH99
10420687	1DJ01
10420720	1DJ03
NA	MBV091411A
10420099RA	1DH85RA

Section 2

Sample Custody and Tracking Documents

ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 09:59
COC No.: 0000508
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416056	SR-842	10420099	31-Aug-2011	15:35	20 / ml	2.93 / gms	PVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420100	31-Aug-2011	15:37	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420101	31-Aug-2011	15:39	20 / ml	2.79 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416056	SR-842	10420102	31-Aug-2011	15:41	20 / ml	2.71 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416056	SR-842	10420103	31-Aug-2011	15:45	125 / ml	36.96 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416056	SR-842	10420104	31-Aug-2011	15:58	20 / ml	2.77 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416056	SR-842	10420105	31-Aug-2011	15:59	20 / ml	2.83 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416056	SR-842	10420106	31-Aug-2011	16:00	20 / ml	2.98 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1005	BOC # AMWTP000647 Seal # 077683
Received By	LONNEY NATE	Lonney Nate	09/06/11 1005	Hand Delivered Lonney Nate 9/6/11 11:45
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 Shuttle 9-6-11 12:10	
Received By	Bill Strong	Bill Strong	9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0005

COPY OF IN-PROCESS RECORD

ALD Lab #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:06
COC No.: 0000509
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416064	SR-842	10420302	01-Sep-2011	15:39	20 / ml	2.98 / gms	PVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420303	01-Sep-2011	15:40	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420304	01-Sep-2011	15:41	20 / ml	2.89 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416064	SR-842	10420305	01-Sep-2011	15:42	20 / ml	2.70 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416064	SR-842	10420306	01-Sep-2011	15:46	125 / ml	39.29 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416064	SR-842	10420307	01-Sep-2011	15:50	20 / ml	2.71 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416064	SR-842	10420308	01-Sep-2011	15:50	20 / ml	2.76 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416064	SR-842	10420309	01-Sep-2011	15:51	20 / ml	2.95 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1015	BOL# AMWTP000647 Seal # 077651
Received By	LONNEY NATE	Lonney Nate	09/06/11 1015	HAND DELIVERED Lonney Nate 9/6/11 11:53
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 DMG 9-6-11 18:10	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0009

COPY OF IN-PROCESS RECORD

ALD LOG
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:11
COC No.: 0000510
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420486	03-Sep-2011	08:13	20 / ml	2.96 / gms	PVOC	Abel Escobar	PVOC	
SSC11-00008	10416057	SR-842	10420487	03-Sep-2011	08:15	20 / ml	2.71 / gms	NHVOC	Abel Escobar	NHVOC	
SSC11-00008	10416057	SR-842	10420488	03-Sep-2011	08:17	20 / ml	2.74 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420489	03-Sep-2011	08:18	20 / ml	3.00 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420490	03-Sep-2011	08:21	125 / ml	39.45 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420503	03-Sep-2011	11:43	20 / ml	2.68 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420504	03-Sep-2011	11:45	20 / ml	2.51 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420505	03-Sep-2011	11:47	20 / ml	2.61 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:23:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:23:46	
Relinquished By	Angel Aguinaga		9/6/11 10:27	BOL # AMWTP000647 Seal # 077646
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:27	HAND DELIVERED Lonny Nate 9/6/11 1135
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 Lonny Nate 9-6-11 10:10	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0007

COPY OF IN-PROCESS RECORD

ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:27
COC No.: 0000511
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420491	03-Sep-2011	08:37	20 / ml	2.67 / gms	PVOC	Abel Escobar	PVOC 1	
SSC11-00008	10416057	SR-842	10420492	03-Sep-2011	08:39	20 / ml	2.99 / gms	PVOC	Abel Escobar	PVOC 2	
SSC11-00008	10416057	SR-842	10420493	03-Sep-2011	08:41	20 / ml	2.75 / gms	PVOC	Abel Escobar	PVOC 3	
SSC11-00008	10416057	SR-842	10420494	03-Sep-2011	08:43	20 / ml	2.53 / gms	NHVOC	Abel Escobar	NHVOC 1	
SSC11-00008	10416057	SR-842	10420495	03-Sep-2011	08:44	20 / ml	2.98 / gms	NHVOC	Abel Escobar	NHVOC 2	
SSC11-00008	10416057	SR-842	10420496	03-Sep-2011	08:45	20 / ml	2.75 / gms	NHVOC	Abel Escobar	NHVOC 3	
SSC11-00008	10416057	SR-842	10420497	03-Sep-2011	08:46	20 / ml	2.62 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420498	03-Sep-2011	08:47	20 / ml	2.72 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420499	03-Sep-2011	08:48	125 / ml	39.85 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420506	03-Sep-2011	11:50	20 / ml	2.73 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420507	03-Sep-2011	11:52	20 / ml	2.87 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420508	03-Sep-2011	11:54	20 / ml	2.95 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:21:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:21:46	
Relinquished By	Angel Aguinaga		9/6/11 10:43	BOL# AMWTP000647 SER# 077682
Received By	Lonney Nate	Lonney Nate	9/6/11 10:43	Hand Delivered Lonney Nate 9/6/11 11:40
Relinquished By	Lonney Nate	Lonney Nate	9/6/11 Started 9-6-11 12:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0000511

COPY OF IN-PROCESS RECORD

ALD Document: Log 1109061 CCP_SRS_MD.tif - Scanned:9/8/2011 7:38:02 AM

ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:43
COC No.: 0000512
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416058	SR-842	10420564	04-Sep-2011	10:35	20 / ml	2.69 / gms	PVOC	Michael Kremin	pvoc	
SSC11-00008	10416058	SR-842	10420565	04-Sep-2011	10:38	20 / ml	2.85 / gms	NHVOC	Michael Kremin	nhvoc	
SSC11-00008	10416058	SR-842	10420566	04-Sep-2011	10:41	20 / ml	2.84 / gms	SPARE	Michael Kremin	spare 1	
SSC11-00008	10416058	SR-842	10420567	04-Sep-2011	10:43	20 / ml	2.97 / gms	SPARE	Michael Kremin	spare 2	
SSC11-00008	10416058	SR-842	10420568	04-Sep-2011	10:50	125 / ml	39.90 / gms	SVOC, METALS	Michael Kremin	svoc metals	
SSC11-00008	10416058	SR-842	10420569	04-Sep-2011	11:03	20 / ml	2.86 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSC11-00008	10416058	SR-842	10420570	04-Sep-2011	11:16	20 / ml	2.60 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSC11-00008	10416058	SR-842	10420571	04-Sep-2011	11:21	20 / ml	2.75 / gms	TRIP BLANK	Michael Kremin	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-SEP-11 15:27:28	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:27:28	
Relinquished By	Angel Aguinaga		9/6/11 10:57	BOL# AMWTP000647 Seal# 077636
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:57	HAND DeLivered Lonny Nate 9/6/11 11:50
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 9-6-11	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0008

COPY OF IN-PROCESS RECORD

ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:56
COC No.: 0000513
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416066	SR-842	10420687	05-Sep-2011	10:42	20 / ml	2.58 / gms	PVOC	Nicholas Ingle	pvoc	
SSC11-00008	10416066	SR-842	10420688	05-Sep-2011	10:44	20 / ml	2.90 / gms	NHVOC	Nicholas Ingle	nhvoc	
SSC11-00008	10416066	SR-842	10420689	05-Sep-2011	10:46	20 / ml	2.95 / gms	SPARE	Nicholas Ingle	spare 1	
SSC11-00008	10416066	SR-842	10420690	05-Sep-2011	10:48	20 / ml	2.90 / gms	SPARE	Nicholas Ingle	spare 2	
SSC11-00008	10416066	SR-842	10420691	05-Sep-2011	10:51	125 / ml	38.10 / gms	SVOC, METALS	Nicholas Ingle	svoc metals	
SSC11-00008	10416066	SR-842	10420720	05-Sep-2011	13:26	20 / ml	2.80 / gms	TRIP BLANK	Nicholas Ingle	trip blank 1	
SSC11-00008	10416066	SR-842	10420728	05-Sep-2011	13:28	20 / ml	2.92 / gms	TRIP BLANK	Nicholas Ingle	trip blank 2	
SSC11-00008	10416066	SR-842	10420735	05-Sep-2011	13:30	20 / ml	2.74 / gms	TRIP BLANK	Nicholas Ingle	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Nicholas Ingle	Electronically signed in WTS	05-SEP-11 15:17:06	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:17:06	
Relinquished By	Angel Aguinaga		9/6/11 11:08	BOC # AMWTP000647 SEAL # 077642
Received By	LONNEY NATE	Lonny Nate	9/6/11 11:08	HAND DELIVERED Lonny Nate 9/6/11 11:54
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10	
Received By	BILL STRONG		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0040

COPY OF IN-PROCESS RECORD

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10420302	Lab Sample ID:	1DH88
Sampling Batch No:	SSC11-00008	Lab File ID:	SV407185
Date Sampled:	09/01/2011	Data Report Number:	ALD11026V
Date Extracted:	09/13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	12 days		
Date/Time Analyzed:	09/13/2011 15:17	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.34	U
75-25-2	Bromoform	0.34	U
75-15-0	Carbon Disulfide	0.34	U
56-23-5	Carbon Tetrachloride	0.34	U
108-90-7	Chlorobenzene	0.34	U
67-66-3	Chloroform	0.34	U
75-35-4	1,1-Dichloroethene	0.34	U
107-06-2	1,2-Dichloroethane	0.34	U
100-41-4	Ethylbenzene	0.34	U
75-09-2	Methylene Chloride	0.50	U
179601-23-1	m-Xylene and p-Xylene mix	0.67	U
95-47-6	o-Xylene	0.34	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U
127-18-4	Tetrachloroethene	0.34	U
108-88-3	Toluene	0.34	U
156-60-5	trans-1,2-Dichloroethene	0.34	U
71-55-6	1,1,1-Trichloroethane	0.34	U
79-01-6	Trichloroethene	0.34	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U
79-00-5	1,1,2-Trichloroethane	0.34	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.34	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10420302	Lab Sample ID:	1DH88
Sampling Batch No:	SSC11-00008	Lab File ID:	SV407185
Date Sampled:	09/01/2011	Data Report Number:	ALD11026V
Date Extracted:	09/13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	12 days		
Date/Time Analyzed:	09/13/2011 15:17	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

TOTAL VOC ANALYSIS
SURROGATE RECOVERY FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-184-R0

Analytical Method: CCP-TP-184-R0

Data Report Number: ALD11026V

Analytical Batch ID: 1109061

Instrument ID: VOA-4

Matrix: SOLID

	LAB SAMPLE ID	SMC1 %R (BFB)	SMC2 %R (DCA)	SMC3 %R (TOL)	TOTAL OUT
1	LBV091311A	82	87	87	0
2	LCSV1109061A	88	93	94	0
3	1DH87	84	90	91	0
4	1DH88	86	91	90	0
5	1DH90	84	92	89	0
6	1DH91	98	102	104	0
7	1DH93	85	91	91	0
8	1DH94	87	94	93	0
9	1DH94MS	91	95	95	0
10	1DH94MSD	87	92	92	0
11	1DH96	88	94	94	0
12	1DH97	84	91	89	0
13	1DH99	83	87	88	0
14	1DJ01	86	90	92	0
15	1DJ03	91	97	97	0
16	MBV091411A	91	104	94	0
17	1DH85RA	85	94	94	0

Control Limits for samples (%R)

Solids

S1 (BFB) = 4-Bromofluorobenzene	68 - 120
S2 (DCA) = 1,2,-Dichloroethane-d4	67 - 118
S3 (TOL) = Toluene-d8	75 - 128

Z = Values outside of acceptance criteria

D = Surrogates diluted out

TOTAL VOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method:	CCP-TP-184-R0			Data Report Number:	ALD11026V
Analytical Method:	CCP-TP-184-R0			Analytical Batch ID:	1109061
Instrument ID:	VOA-4			Matrix:	SOLID
Lab Sample ID:	1DH94	MS Lab Sample ID:	1DH94MS	MSD Lab Sample ID:	1DH94MSD
Field Sample ID:	10420491	MS Field Sample ID:	10420492MS	MSD Field Sample ID:	10420493MSD
Lab File ID:	SV407189	MS Lab File ID:	SV407190	MSD Lab File ID:	SV407191
Date Analyzed:	9 /13/2011	MS Date Analyzed:	9 /13/2011	MSD Date Analyzed:	9 /13/2011

TARGET ANALYTE	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg		SPIKED SAMPLE CONCENTRATION mg/kg	MS % RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
Benzene	8.36	0.37	U	6.86	82	37 - 151
Chlorobenzene	8.36	0.37	U	8.48	101	37 - 160
1,1-Dichloroethene	8.36	0.37	U	3.34	40	D - 234
Toluene	8.36	0.37	U	7.99	96	47 - 150
Trichloroethene	8.36	0.37	U	7.38	88	71 - 157

TARGET ANALYTE	SPIKE ADDED mg/kg	DUPLICATE SPIKED SAMPLE CONCENTRATION mg/kg	MSD % RECOVERY	RPD	ACCEPTANCE CRITERIA RPD
Benzene	9.09	7.33	81	1.7	≤ 45
Chlorobenzene	9.09	8.88	98	3.8	≤ 38
1,1-Dichloroethene	9.09	3.50	38	3.7	≤ 250
Toluene	9.09	8.48	93	2.4	≤ 29
Trichloroethene	9.09	7.85	86	2.3	≤ 36

Z = Did not meet acceptance criteria

D = Spiked Analytes Diluted out

RPD:	0	out of	5	outside limits
Spike Recovery:	0	out of	10	outside limits

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBV091311A
Sampling Batch No:	NA	Lab File ID:	BV407181
Date Sampled:	NA	Data Report Number:	ALD11026V
Date Extracted:	09/13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/13/2011 12:32	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.33	U
75-25-2	Bromoform	0.33	U
75-15-0	Carbon Disulfide	0.33	U
56-23-5	Carbon Tetrachloride	0.33	U
108-90-7	Chlorobenzene	0.33	U
67-66-3	Chloroform	0.33	U
75-35-4	1,1-Dichloroethene	0.33	U
107-06-2	1,2-Dichloroethane	0.33	U
100-41-4	Ethylbenzene	0.33	U
75-09-2	Methylene Chloride	0.50	U
179601-23-1	m-Xylene and p-Xylene mix	0.67	U
95-47-6	o-Xylene	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	0.33	U
127-18-4	Tetrachloroethene	0.33	U
108-88-3	Toluene	0.33	U
156-60-5	trans-1,2-Dichloroethene	0.33	U
71-55-6	1,1,1-Trichloroethane	0.33	U
79-01-6	Trichloroethene	0.33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.33	U
79-00-5	1,1,2-Trichloroethane	0.33	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.33	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBV091311A
Sampling Batch No:	NA	Lab File ID:	BV407181
Date Sampled:	NA	Data Report Number:	ALD11026V
Date Extracted:	09/13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/13/2011 12:32	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	MBV091411A
Sampling Batch No:	NA	Lab File ID:	BV407199
Date Sampled:	NA	Data Report Number:	ALD11026V
Date Extracted:	NA	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/14/2011 12:55	Instrument ID:	VOA-4
Analysis Holding Time:	NA	Matrix:	SOLID
Preparation Method:	NA	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.33	U
75-25-2	Bromoform	0.33	U
75-15-0	Carbon Disulfide	0.33	U
56-23-5	Carbon Tetrachloride	0.33	U
108-90-7	Chlorobenzene	0.33	U
67-66-3	Chloroform	0.33	U
75-35-4	1,1-Dichloroethene	0.33	U
107-06-2	1,2-Dichloroethane	0.33	U
100-41-4	Ethylbenzene	0.33	U
75-09-2	Methylene Chloride	0.50	U
179601-23-1	m-Xylene and p-Xylene mix	0.67	U
95-47-6	o-Xylene	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	0.33	U
127-18-4	Tetrachloroethene	0.33	U
108-88-3	Toluene	0.33	U
156-60-5	trans-1,2-Dichloroethene	0.33	U
71-55-6	1,1,1-Trichloroethane	0.33	U
79-01-6	Trichloroethene	0.33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.33	U
79-00-5	1,1,2-Trichloroethane	0.33	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.33	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	MBV091411A
Sampling Batch No:	NA	Lab File ID:	BV407199
Date Sampled:	NA	Data Report Number:	ALD11026V
Date Extracted:	NA	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/14/2011 12:55	Instrument ID:	VOA-4
Analysis Holding Time:	NA	Matrix:	SOLID
Preparation Method:	NA	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

TOTAL VOC ANALYSIS
LABORATORY BLANK SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	09/13/2011	Lab Sample ID:	LBV091311A
Date/Time Analyzed:	09/13/2011 12:32	Lab File ID:	BV407181
Preparation Method:	CCP-TP-184-R0	Data Report Number:	ALD11026V
Analytical Method:	CCP-TP-184-R0	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4
		Sample Matrix:	SOLID

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	LCSV1109061A	LV407182	09/13/2011	13:15
10420104	1DH87	SV407184	09/13/2011	14:33
10420302	1DH88	SV407185	09/13/2011	15:17
10420307	1DH90	SV407186	09/13/2011	15:52
10420486	1DH91	SV407187	09/13/2011	16:27
10420503	1DH93	SV407188	09/13/2011	17:03
10420491	1DH94	SV407189	09/13/2011	17:38
10420492MS	1DH94MS	SV407190	09/13/2011	18:13
10420493MSD	1DH94MSD	SV407191	09/13/2011	18:49
10420506	1DH96	SV407192	09/13/2011	19:24
10420564	1DH97	SV407193	09/13/2011	19:59
10420569	1DH99	SV407194	09/13/2011	20:35
10420687	1DJ01	SV407195	09/13/2011	21:10
10420720	1DJ03	SV407196	09/13/2011	21:46
10420099RA	1DH85RA	SV407200	09/14/2011	13:32

Samples using this Laboratory Blank as the daily Method Blank are identified on the associated Form V (TV407178).

TOTAL VOC ANALYSIS
METHOD BLANK SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	NA	Lab Sample ID:	MBV091411A
Date/Time Analyzed:	09/14/2011 12:55	Lab File ID:	BV407199
Preparation Method:	NA	Data Report Number:	ALD11026V
Analytical Method:	CCP-TP-184-R0	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4
		Sample Matrix:	SOLID

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10420099RA	1DH85RA	SV407200	09/14/2011	13:32

TOTAL VOC ANALYSIS
LABORATORY CONTROL SAMPLE FORM
(QC REFERENCE CHECK)

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	09/13/2011	Lab Sample ID:	LCSV1109061A
Date/Time Analyzed:	09/13/2011 13:15	Lab File ID:	LV407182
Preparation Method:	CCP-TP-184-R0	Data Report Number:	ALD11026V
Analytical Method:	CCP-TP-184-R0	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4
		Matrix:	SOLID

TARGET ANALYTE	MEASURED CONCENTRATION (mg/kg)	KNOWN CONCENTRATION (mg/kg)	PERCENT RECOVERY	ACCEPTANCE CRITERIA %RECOVERY
Benzene	6.68	8.33	80	37 - 151
Chlorobenzene	8.14	8.33	98	37 - 160
1,1-Dichloroethene	3.34	8.33	40	D - 234
Toluene	7.69	8.33	92	47 - 150
Trichloroethene	7.25	8.33	87	71 - 157

Z = Did not meet acceptance criteria

TOTAL VOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/13/2011 11:34
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

Daily CCAL Sample ID: CC091311B
Daily CCAL Lab File ID: CV407180
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

	IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
12 HOUR STANDARD	123758	12.21	826372	13.29	796011	17.64
UPPER LIMIT	247516	12.71	1652744	13.79	1592022	18.14
LOWER LIMIT	61879	11.71	413186	12.79	398006	17.14

	Lab Sample ID						
1	LBV091311A	122109	12.21	860845	13.30	846362	17.64
2	LCSV1109061A	124287	12.22	881558	13.30	878594	17.64
3	1DH87	123764	12.21	869713	13.29	863901	17.64
4	1DH88	124027	12.21	879100	13.29	861551	17.64
5	1DH90	124665	12.21	882939	13.30	877179	17.64
6	1DH91	124270	12.21	887626	13.29	878309	17.64
7	1DH93	126644	12.20	875926	13.29	878990	17.64
8	1DH94	124343	12.21	869444	13.29	874525	17.64
9	1DH94MS	126015	12.21	891844	13.29	881248	17.64
10	1DH94MSD	125178	12.21	893101	13.29	887738	17.64
11	1DH96	126916	12.21	889527	13.30	884275	17.64
12	1DH97	124276	12.21	883435	13.29	883530	17.64
13	1DH99	124102	12.21	872716	13.30	873140	17.64
14	1DJ01	126448	12.21	876093	13.29	883754	17.64
15	1DJ03	125661	12.21	878120	13.29	878125	17.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL VOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/14/2011 11:25
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

Daily CCAL Sample ID: CC091411A
Daily CCAL Lab File ID: CV407198
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

	IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
12 HOUR STANDARD	125745	12.21	845925	13.29	809674	17.64
UPPER LIMIT	251490	12.71	1691850	13.79	1619348	18.14
LOWER LIMIT	62872	11.71	422962	12.79	404837	17.14

	Lab Sample ID						
1	MBV091411A	124802	12.21	801278	13.29	771452	17.64
2	1DH85RA	126555	12.21	852793	13.29	856683	17.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

Section 5

Instrument QC Data

TOTAL VOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

BFB Injection Date/Time: 09/13/2011 10:02

Analytical Method: CCP-TP-184-R0

Heated Purge (yes/no): no

Lab Sample ID: BFB091311A

Lab File ID: TV407178

Data Report Number: ALD11026V

Analytical Batch ID: 1109061

Instrument ID: VOA-4

m/z	Ion Abundance Criteria	% Rel Abundance
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	43.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (1)
174	Greater than 50.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	8.3 (1)
176	95.0 - 101.0% of mass 174	96.7 (1)
177	5.0 - 9.0% of mass 176	7.2 (2)

1 - Value is % mass 174 2 - Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	CC091311B	CV407180	09/13/2011	11:34
NA	LBV091311A	BV407181	09/13/2011	12:32
NA	LCSV1109061A	LV407182	09/13/2011	13:15
10420104	1DH87	SV407184	09/13/2011	14:33
10420302	1DH88	SV407185	09/13/2011	15:17
10420307	1DH90	SV407186	09/13/2011	15:52
10420486	1DH91	SV407187	09/13/2011	16:27
10420503	1DH93	SV407188	09/13/2011	17:03
10420491	1DH94	SV407189	09/13/2011	17:38
10420492MS	1DH94MS	SV407190	09/13/2011	18:13
10420493MSD	1DH94MSD	SV407191	09/13/2011	18:49
10420506	1DH96	SV407192	09/13/2011	19:24
10420564	1DH97	SV407193	09/13/2011	19:59
10420569	1DH99	SV407194	09/13/2011	20:35
10420687	1DJ01	SV407195	09/13/2011	21:10

TOTAL VOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

BFB Injection Date/Time: 09/13/2011 10:02

Analytical Method: CCP-TP-184-R0

Heated Purge (yes/no): no

Lab Sample ID: BFB091311A

Lab File ID: TV407178

Data Report Number: ALD11026V

Analytical Batch ID: 1109061

Instrument ID: VOA-4

m/z	Ion Abundance Criteria	% Rel Abundance
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	43.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (1)
174	Greater than 50.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	8.3 (1)
176	95.0 - 101.0% of mass 174	96.7 (1)
177	5.0 - 9.0% of mass 176	7.2 (2)

1 - Value is % mass 174 2 - Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10420720	1DJ03	SV407196	09/13/2011	21:46

TOTAL VOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

BFB Injection Date/Time: 09/14/2011 10:32

Analytical Method: CCP-TP-184-R0

Heated Purge (yes/no): no

Lab Sample ID: BFB091411A

Lab File ID: TV407197

Data Report Number: ALD11026V

Analytical Batch ID: 1109061

Instrument ID: VOA-4

m/z	Ion Abundance Criteria	% Rel Abundance
50	15.0 - 40.0% of mass 95	22.0
75	30.0 - 60.0% of mass 95	45.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (1)
174	Greater than 50.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	7.2 (1)
176	95.0 - 101.0% of mass 174	100.4 (1)
177	5.0 - 9.0% of mass 176	6.5 (2)

1 - Value is % mass 174 2 - Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	CC091411A	CV407198	09/14/2011	11:25
NA	MBV091411A	BV407199	09/14/2011	12:55
10420099RA	1DH85RA	SV407200	09/14/2011	13:32

TOTAL VOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 06/20/2011 10:07 - 06/20/2011 12:28
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

ICAL File ID: IV411W02
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

LAB FILE ID	IV407051	IV407052	IV407053	IV407054	IV407055	NA			
CONCENTRATION (ug/L)	150	100	50	20	10	NA			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#
Benzene	1.329	1.429	1.429	1.394	1.350		1.386	3.28	
4-Bromofluorobenzene	0.493	0.504	0.503	0.481	0.471		0.490	2.92	
Bromoform **	0.185	0.181	0.142	0.112	0.095		0.143	28.17	M
Carbon Disulfide	6.350	6.717	6.856	6.701	6.564		6.638	2.88	
Carbon Tetrachloride	0.227	0.240	0.218	0.191	0.171		0.210	13.37	
Chlorobenzene **	1.017	1.038	1.043	1.007	0.992		1.019	2.08	
Chloroform *	3.310	3.509	3.524	3.386	3.363		3.418	2.75	
Chloromethane **	3.433	3.404	3.501	3.488	3.611		3.487	2.29	
1,1-Dichloroethane **	3.833	4.056	4.114	4.074	3.944		4.004	2.86	
1,1-Dichloroethene *	1.842	1.946	1.953	1.915	1.914		1.914	2.30	
1,2-Dichloroethane	0.377	0.421	0.428	0.417	0.415		0.411	4.85	
1,2-Dichloroethane-d4	0.069	0.077	0.078	0.078	0.077		0.076	5.44	
1,2-Dichloropropane *	0.327	0.356	0.355	0.345	0.329		0.342	4.09	
Ethylbenzene *	1.836	1.860	1.854	1.776	1.728		1.811	3.15	
Methylene Chloride	2.069	2.192	2.269	2.254	2.239		2.205	3.68	
m-Xylene and p-Xylene mix	0.742	0.752	0.743	0.711	0.693		0.728	3.45	
o-Xylene	0.703	0.719	0.711	0.675	0.658		0.693	3.70	
1,1,2,2-Tetrachloroethane **	0.449	0.451	0.455	0.435	0.394		0.437	5.70	
Tetrachloroethene	0.292	0.302	0.303	0.297	0.294		0.297	1.69	
Toluene *	0.938	0.975	0.965	0.935	0.910		0.945	2.76	
Toluene-d8	1.241	1.315	1.322	1.281	1.256		1.283	2.77	
trans-1,2-Dichloroethene	2.109	2.243	2.255	2.230	2.164		2.200	2.81	
1,1,1-Trichloroethane	2.303	2.477	2.459	2.338	2.226		2.361	4.51	
Trichloroethene	0.303	0.337	0.334	0.326	0.320		0.324	4.13	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.683	1.783	1.839	1.800	1.769		1.775	3.25	
1,1,2-Trichloroethane	0.272	0.275	0.270	0.259	0.252		0.266	3.68	
Trichlorofluoromethane	3.107	3.251	2.888	3.260	2.810		3.063	6.74	
Vinyl Chloride *	2.767	2.882	2.966	2.994	2.993		2.921	3.32	

TOTAL VOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 06/20/2011 10:07 - 06/20/2011 12:28
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

ICAL File ID: IV411W02
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

LAB FILE ID	IV407051	IV407052	IV407053	IV407054	IV407055	NA			
CONCENTRATION (ug/L)	150	100	50	20	10	NA			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#

CCC RSD ≤ 30%

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
NA = Not applicable
Z = Did not meet acceptance criteria
# Column used to flag modeled compounds

SPCC Average RRF

Chloromethane	≥ 0.10
1,1 - Dichloroethane	≥ 0.10
Bromoform	≥ 0.10
Chlorobenzene	≥ 0.30
1,1,2,2-Tetrachloroethane	≥ 0.30
All Other Analytes	≥ 0.01

M = Modeled compound:

Compound Name	r^2
Bromoform	0.9970

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/13/2011 11:34	Lab Sample ID:	CC091311B
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407180
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Benzene	1.386	1.297	6.4
4-Bromofluorobenzene	0.490	0.469	4.3
Carbon Disulfide	6.638	6.109	8.0
Carbon Tetrachloride	0.210	0.297	41.4
Chlorobenzene **	1.019	0.995	2.4
Chloroform *	3.418	3.373	1.3
Chloromethane **	3.487	4.034	15.7
1,1-Dichloroethane **	4.004	3.617	9.7
1,1-Dichloroethene *	1.914	1.746	8.8
1,2-Dichloroethane	0.411	0.424	3.2
1,2-Dichloroethane-d4	0.076	0.075	1.3
1,2-Dichloropropane *	0.342	0.319	6.7
Ethylbenzene *	1.811	1.780	1.7
Methylene Chloride	2.205	1.982	10.1
m-Xylene and p-Xylene mix	0.728	0.714	1.9
o-Xylene	0.693	0.667	3.8
1,1,2,2-Tetrachloroethane **	0.437	0.383	12.4
Tetrachloroethene	0.297	0.285	4.0
Toluene *	0.945	0.905	4.2
Toluene-d8	1.283	1.196	6.8
trans-1,2-Dichloroethene	2.200	1.976	10.2
1,1,1-Trichloroethane	2.361	2.603	10.2
Trichloroethene	0.324	0.313	3.4
1,1,2-Trichloro-1,2,2-trifluoroethane	1.775	1.723	2.9
1,1,2-Trichloroethane	0.266	0.254	4.5
Trichlorofluoromethane	3.063	3.466	13.2

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/13/2011 11:34	Lab Sample ID:	CC091311B
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407180
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Vinyl Chloride *	2.921	2.974	1.8

CCC %D $\leq$ 20%

CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds(**)

Z = Did not meet acceptance criteria

SPCC RRF	
Chloromethane	$\geq$ 0.10
1,1 - Dichloroethane	$\geq$ 0.10
Bromoform	$\geq$ 0.10
Chlorobenzene	$\geq$ 0.30
1,1,2,2-Tetrachloroethane	$\geq$ 0.30
All Other Analytes	$\geq$ 0.01

TOTAL VOC ANALYSIS
MODELED COMPOUND REPORT

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/13/2011 11:34	Lab Sample ID:	CC091311B
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407180
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	CCAL RRF	CALCULATED RESULT (ug/L)	KNOWN CONCENTRATION (ug/L)	%D
Bromoform **	0.168	51.57	50.000	3.1

CCC %D $\leq$ 20%

SPCC RRF

Chloromethane	$\geq$ 0.10
1,1 - Dichloroethane	$\geq$ 0.10
Bromoform	$\geq$ 0.10
Chlorobenzene	$\geq$ 0.30
1,1,2,2-Tetrachloroethane	$\geq$ 0.30
All Other Analytes	$\geq$ 0.01

CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds(**)

Z = Did not meet acceptance criteria

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/14/2011 11:25	Lab Sample ID:	CC091411A
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407198
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Benzene	1.386	1.362	1.7
4-Bromofluorobenzene	0.490	0.496	1.2
Carbon Disulfide	6.638	6.359	4.2
Carbon Tetrachloride	0.210	0.299	42.4
Chlorobenzene **	1.019	1.055	3.5
Chloroform *	3.418	3.431	0.4
Chloromethane **	3.487	4.219	21.0
1,1-Dichloroethane **	4.004	3.755	6.2
1,1-Dichloroethene *	1.914	1.852	3.2
1,2-Dichloroethane	0.411	0.430	4.6
1,2-Dichloroethane-d4	0.076	0.077	1.3
1,2-Dichloropropane *	0.342	0.332	2.9
Ethylbenzene *	1.811	1.843	1.8
Methylene Chloride	2.205	2.074	5.9
m-Xylene and p-Xylene mix	0.728	0.746	2.5
o-Xylene	0.693	0.707	2.0
1,1,2,2-Tetrachloroethane **	0.437	0.392	10.3
Tetrachloroethene	0.297	0.296	0.3
Toluene *	0.945	0.945	0.0
Toluene-d8	1.283	1.243	3.1
trans-1,2-Dichloroethene	2.200	2.076	5.6
1,1,1-Trichloroethane	2.361	2.703	14.5
Trichloroethene	0.324	0.322	0.6
1,1,2-Trichloro-1,2,2-trifluoroethane	1.775	1.808	1.9
1,1,2-Trichloroethane	0.266	0.261	1.9
Trichlorofluoromethane	3.063	3.600	17.5

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/14/2011 11:25	Lab Sample ID:	CC091411A
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407198
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Vinyl Chloride *	2.921	3.147	7.7

CCC %D $\leq$ 20%

CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds(**)

Z = Did not meet acceptance criteria

SPCC RRF	
Chloromethane	$\geq$ 0.10
1,1 - Dichloroethane	$\geq$ 0.10
Bromoform	$\geq$ 0.10
Chlorobenzene	$\geq$ 0.30
1,1,2,2-Tetrachloroethane	$\geq$ 0.30
All Other Analytes	$\geq$ 0.01

TOTAL VOC ANALYSIS
MODELED COMPOUND REPORT

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	09/14/2011 11:25	Lab Sample ID:	CC091411A
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407198
Heated Purge (yes/no):	no	Data Report Number:	ALD11026V
Initial Calibration Date(s):	06/20/2011 10:07 - 06/20/2011 12:28	Analytical Batch ID:	1109061
		Instrument ID:	VOA-4

TARGET ANALYTE	CCAL RRF	CALCULATED RESULT (ug/L)	KNOWN CONCENTRATION (ug/L)	%D
Bromoform **	0.165	50.64	50.000	1.3

CCC %D $\leq$ 20%

SPCC RRF

Chloromethane	$\geq$ 0.10
1,1 - Dichloroethane	$\geq$ 0.10
Bromoform	$\geq$ 0.10
Chlorobenzene	$\geq$ 0.30
1,1,2,2-Tetrachloroethane	$\geq$ 0.30
All Other Analytes	$\geq$ 0.01

CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds(**)

Z = Did not meet acceptance criteria

TOTAL VOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/13/2011 11:34
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no
ICAL/CCAL Sample ID: CC082911A
ICAL/CCAL Lab File ID: CV407141
Date Analyzed: 8 /29/2011

Daily CCAL Sample ID: CC091311B
Daily CCAL Lab File ID: CV407180
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

		IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
Previous ICAL/CCAL	12 HOUR STANDARD	115496	12.22	812800	13.30	834078	17.64
	UPPER LIMIT	230992	12.72	1625600	13.80	1668156	18.14
	LOWER LIMIT	57748	11.72	406400	12.80	417039	17.14
Continuing Calibration Check		123758	12.21	826372	13.29	796011	17.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL VOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/14/2011 11:25
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no
ICAL/CCAL Sample ID: CC091311B
ICAL/CCAL Lab File ID: CV407180
Date Analyzed: 9 /13/2011

Daily CCAL Sample ID: CC091411A
Daily CCAL Lab File ID: CV407198
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Instrument ID: VOA-4

		IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
Previous ICAL/CCAL	12 HOUR STANDARD	123758	12.21	826372	13.29	796011	17.64
	UPPER LIMIT	247516	12.71	1652744	13.79	1592022	18.14
	LOWER LIMIT	61879	11.71	413186	12.79	398006	17.14
Continuing Calibration Check		125745	12.21	845925	13.29	809674	17.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL VOC ANALYSIS
MDL REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

MDL Determination Date: 05/25/2011 Instrument ID: VOA-4

Preparation Method: CCP-TP-184-R0 Matrix: SOLID

Analytical Method: CCP-TP-184-R0

TARGET ANALYTE	Reported MDL mg/kg	PROGRAM REQUIRED MDL mg/kg	PRQL mg/kg
Benzene	0.33	1	10
4-Bromofluorobenzene	0.33	1	10
Bromoform	0.33	1	10
Carbon Disulfide	0.33	1	10
Carbon Tetrachloride	0.33	1	10
Chlorobenzene	0.33	1	10
Chloroform	0.33	1	10
1,1-Dichloroethene	0.33	1	10
1,2-Dichloroethane	0.33	1	10
1,2-Dichloroethane-d4	0.33	1	10
Ethylbenzene	0.33	1	10
Methylene Chloride	0.50	1	10
m-Xylene and p-Xylene mix	0.67	1	10
o-Xylene	0.33	1	10
1,1,2,2-Tetrachloroethane	0.33	1	10
Tetrachloroethene	0.33	1	10
Toluene	0.33	1	10
Toluene-d8	0.33	1	10
trans-1,2-Dichloroethene	0.33	1	10
1,1,1-Trichloroethane	0.33	1	10
Trichloroethene	0.33	1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	0.33	1	10
1,1,2-Trichloroethane	0.33	1	10
Trichlorofluoromethane	0.50	1	10
Vinyl Chloride	0.33	1	4

SOLIDS: MDLs calculated assuming 3.00g sample and 10mL extraction volume.

0068

TOTAL VOC ANALYSIS
METHOD PRECISION AND ACCURACY (P&A) DEMONSTRATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Method P&A Effective Date: 05/25/2011
Data Report Number: ALD11026V
Analytical Batch ID: 1109061
Preparation Method: CCP-TP-184-R0
Analytical Method: CCP-TP-184-R0
Instrument ID: VOA-4

TARGET ANALYTE	Number of Method Performance Samples	Accuracy		Precision	
		Mean %R	Acceptance Limits (%R)	%RSD	Acceptance Limits (%RSD)
Benzene	7	99.0	37–151	5.5	≤45
Bromoform	7	79.6	45–169	5.8	≤47
Carbon Disulfide	7	98.4	60–150	6.1	≤50
Carbon Tetrachloride	7	81.2	70–140	5.4	≤30
Chlorobenzene	7	99.0	37–160	5.6	≤38
Chloroform	7	102.8	51–138	5.4	≤44
1,1-Dichloroethene	7	99.2	D[a]–234	5.9	≤250
1,2-Dichloroethane	7	96.3	49–155	4.4	≤42
Ethylbenzene	7	99.4	37–162	5.3	≤43
Methylene Chloride	7	110.6	D[a]–221	6.7	≤50
m-Xylene and p-Xylene mix	7	96.2	60–150	5.5	≤50
o-Xylene	7	95.4	60–150	5.3	≤50
1,1,2,2-Tetrachloroethane	7	92.1	46–157	6.3	≤55
Tetrachloroethene	7	93.8	64–148	4.6	≤29
Toluene	7	97.6	47–150	4.4	≤29
trans-1,2-Dichloroethene	7	97.6	60–150	5.6	≤50
1,1,1-Trichloroethane	7	98.1	52–162	4.7	≤33
Trichloroethene	7	99.4	71–157	6.1	≤36
1,1,2-Trichloro-1,2,2-trifluoroethane	7	103.4	60–150	5.2	≤50
1,1,2-Trichloroethane	7	98.3	52–150	5.3	≤38
Trichlorofluoromethane	7	109.1	17–181	7.1	≤110
Vinyl Chloride	7	82.5	D[a]–251	6.1	≤200

[a]D = Detected; result must be greater than zero
Z = Did not meet acceptance criteria

0069

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total VOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1109061	Data Report: ALD11026V	Method: CCP-TP-184

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Release Signature	ITR Release Date
09-13-11 and 09-14-11	Faye Srala	10-11-11		10-11-11

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Instrument Performance Check (BFB Tune)	///	///	///	///
a. Was a BFB tune performed at the beginning of each 12-hour analytical shift, before analysis of standards or samples?	✓			
b. Does the BFB tune meet CCP-TP-184 acceptance criteria?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCAL)	///	///	///	///
a. Was a CCAL standard analyzed at the beginning of each 12-hour analytical shift, after the BFB tune but before sample analysis?	✓			
b. Are all CCC RRF or concentration (for modeled compounds) %Ds ≤20?	✓			
c. Are the RRFs ≥0.300 for SPCCs chlorobenzene and 1,1,2,2-tetrachloroethane, ≥0.100 for all other SPCCs, and ≥ 0.01 for non-SPCCs?	✓			
d. Are internal standard areas within 50 to 200% of the areas in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
e. Are internal standard retention times (RTs) within 30 seconds of the RT in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are the internal standard areas within 50 to 200% of those in the associated CCAL?	✓			
b. Are the internal standard retention times within 30 seconds of those in the associated CCAL?	✓			
c. Do all surrogate compound recoveries meet CCP-TP-184 acceptance criteria?	✓			
d. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			✓	
e. Are detected target analyte RRTs within 0.06 RRT units of the associated CCAL RRT, or is the qualitative identification justified by the operator?	✓			
f. In your opinion, do the sample spectra for positive hits match the reference spectra?	✓			
g. In your opinion, are the quantitation ion peak areas correctly integrated?	✓			
h. Was a TIC search conducted on each sample and blank in the analytical batch?	✓			
i. Are TIC identities appropriately assigned per the identification criteria of CCP-TP-184?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Was a blank (method or laboratory) analyzed daily prior to analysis of samples?	✓			
c. Are all laboratory and method blank results ≤3 × program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the ICAL standards?	✓			
c. Do percent recoveries for all spiked analytes in each LCS meet CCP-TP-184 acceptance criteria?	✓			

0073

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total VOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1109061	Data Report: ALD11026V	Method: CCP-TP-184

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Do all percent recoveries for the MS and MSD meet CCP-TP-184 acceptance criteria?	✓			
d. Do the RPDs between the MS and MSD meet CCP-TP-184 acceptance criteria?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples and associated extracts stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples extracted within 14 days of collection and analyzed (including dilutions and reanalyses) within 40 days of extraction?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and sample run log books for the analytical batch included in the supporting data package?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-184 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			See NCR-ALD-3191-11
b. Are copies of any NCRs associated with the data included?	✓			NCR-ALD-3191-11
c. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, MBs, ISA&RTs, LCSs, BFB tunes, ICALs, CCALs, CCAL ISA&RTs, and MDLs?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually-verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

0074

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
43. Does the BDR include MDLs (mg/kg) that are ≤ PRQL in Table C3-6? **Reference Source: CCP-PO-001, Table C3-6**	X			
44. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
45. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
46. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
47. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
48. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
49. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
50. Does the initial calibration contain at least one calibration standard less than or equal to the PRQL? **Reference Source: CCP-PO-001, C3-7**	X			
51. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-7**	X			
52. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-6**	X			
53. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-7**	X			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026S				**Analysis Date: 9/29/2011 & 10/4/2011**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
54. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-7**	X			
Comments: See SPM-1 for cross reference to SRS ID.				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantú			10/20/2011
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Offsite Waste Shipment

Date: 17-Oct-2011

Time: 13:18

Shipping No. SRIN110002 **Manifest No.** 001078308gbf

Proposed Shipment Date 27-JUL-11 **Manifest Receipt Date** 29-JUL-11

Repsonsible Project SRS **# of Containers** 13

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
MDL0502414	10416054	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502419	10416047	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502428	10416055	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0504556	10416056	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506007	10416065	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506103	10416063	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506656	10416066	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506675	10416058	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506692	10416064	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL504586B	10416057	425	SR-842		SR-MD-SOIL	08/02/2011	No	
SRSB0151			-				No	
SRSB0152			-				No	
SRSB0153			-				No	

***** End of Offsite Waste Shipment Report *****

SPM 4
Amc 10/20/14

TOTAL SVOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method: CCP-TP-187-R1
Analytical Method: CCP-TP-185-R1

Data Report Number: ALD11026S
Analytical Batch ID: 1109061

Field Sample ID	Lab Sample ID
NA	LBS091311A
NA	LCSS1109061A
10420499	1DH95
10420691	1DJ02
10420490	1DH92
10420306	1DH89
10420568	1DH98
10420568MS	1DH98MS
10420568MSD	1DH98MSD
10420103	1DH86
10420103RE	1DH86RE
10420691MS	1DJ02MS
10420691MSD	1DJ02MSD

Section 2

Sample Custody and Tracking Documents

ALD LOG # 1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 09:59
COC No.: 0000508
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416056	SR-842	10420099	31-Aug-2011	15:35	20 / ml	2.93 / gms	PVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420100	31-Aug-2011	15:37	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420101	31-Aug-2011	15:39	20 / ml	2.79 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416056	SR-842	10420102	31-Aug-2011	15:41	20 / ml	2.71 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416056	SR-842	10420103	31-Aug-2011	15:45	125 / ml	36.96 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416056	SR-842	10420104	31-Aug-2011	15:58	20 / ml	2.77 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416056	SR-842	10420105	31-Aug-2011	15:59	20 / ml	2.83 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416056	SR-842	10420106	31-Aug-2011	16:00	20 / ml	2.98 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1005	BOC # AMWTP000647 Seal # 077483
Received By	LONNEY NATE	Lonney Nate	09/06/11 1005	Hand Delivered Lonney Nate 9/6/11 11:45
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 Date 9-6-11 12:10	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0005

COPY OF IN-PROCESS RECORD

ALD Document: Log 1109061 CCP_SRS_MD.tif - Scanned:9/8/2011 7:38:02 AM

ALD Log #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:06
COC No.: 0000509
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416064	SR-842	10420302	01-Sep-2011	15:39	20 / ml	2.98 / gms	PVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420303	01-Sep-2011	15:40	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420304	01-Sep-2011	15:41	20 / ml	2.89 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416064	SR-842	10420305	01-Sep-2011	15:42	20 / ml	2.70 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416064	SR-842	10420306	01-Sep-2011	15:46	125 / ml	39.29 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416064	SR-842	10420307	01-Sep-2011	15:50	20 / ml	2.71 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416064	SR-842	10420308	01-Sep-2011	15:50	20 / ml	2.76 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416064	SR-842	10420309	01-Sep-2011	15:51	20 / ml	2.95 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1015	BOL# AMWTP 000647 Seal# 077651
Received By	LONNEY NATE	Lonney Nate	09/06/11 1015	HAND DELIVERED Lonney Nate 9/6/11 11:53
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 1810 (DTM 9-6-11)	
Received By	Bill Strong	[signature]	9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0006

COPY OF IN-PROCESS RECORD

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ALD LOG#
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:11
COC No.: 0000510
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420486	03-Sep-2011	08:13	20 / ml	2.96 / gms	PVOC	Abel Escobar	PVOC	
SSC11-00008	10416057	SR-842	10420487	03-Sep-2011	08:15	20 / ml	2.71 / gms	NHVOC	Abel Escobar	NHVOC	
SSC11-00008	10416057	SR-842	10420488	03-Sep-2011	08:17	20 / ml	2.74 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420489	03-Sep-2011	08:18	20 / ml	3.00 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420490	03-Sep-2011	08:21	125 / ml	39.45 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420503	03-Sep-2011	11:43	20 / ml	2.68 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420504	03-Sep-2011	11:45	20 / ml	2.51 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420505	03-Sep-2011	11:47	20 / ml	2.61 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:23:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:23:46	
Relinquished By	Angel Aguinaga		9/6/11 10:27	BOL # AMWTP000647 Seal # 077644
Received By	Lonney Nate	Lonny Nate	9/6/11 10:27	Hand Delivered Lonny Nate 9/6/11 1135
Relinquished By	Lonney Nate	Lonny Nate	9/6/11 Lonny Nate 9-6-11 10:10	
Received By	Bill Strong	Bill Strong	9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0007

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ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:27
COC No.: 0000511
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420491	03-Sep-2011	08:37	20 / ml	2.67 / gms	PVOC	Abel Escobar	PVOC 1	
SSC11-00008	10416057	SR-842	10420492	03-Sep-2011	08:39	20 / ml	2.99 / gms	PVOC	Abel Escobar	PVOC 2	
SSC11-00008	10416057	SR-842	10420493	03-Sep-2011	08:41	20 / ml	2.75 / gms	PVOC	Abel Escobar	PVOC 3	
SSC11-00008	10416057	SR-842	10420494	03-Sep-2011	08:43	20 / ml	2.53 / gms	NHVOC	Abel Escobar	NHVOC 1	
SSC11-00008	10416057	SR-842	10420495	03-Sep-2011	08:44	20 / ml	2.98 / gms	NHVOC	Abel Escobar	NHVOC 2	
SSC11-00008	10416057	SR-842	10420496	03-Sep-2011	08:45	20 / ml	2.75 / gms	NHVOC	Abel Escobar	NHVOC 3	
SSC11-00008	10416057	SR-842	10420497	03-Sep-2011	08:46	20 / ml	2.62 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420498	03-Sep-2011	08:47	20 / ml	2.72 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420499	03-Sep-2011	08:48	125 / ml	39.85 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420506	03-Sep-2011	11:50	20 / ml	2.73 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420507	03-Sep-2011	11:52	20 / ml	2.87 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420508	03-Sep-2011	11:54	20 / ml	2.95 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

8000

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:21:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:21:46	
Relinquished By	Angel Aguinaga		9/6/11 10:43	BOL# AMWTP000647 Seal# 077682
Received By	Lonney Nate	Lonney Nate	9/6/11 10:43	Hand Delivered Lonney Nate 9/6/11 11:40
Relinquished By	Lonney Nate	Lonney Nate	9/6/11 Hand 9-6-11 10:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:43
COC No.: 0000512
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416058	SR-842	10420564	04-Sep-2011	10:35	20 / ml	2.69 / gms	PVOC	Michael Kremin	pvoc	
SSC11-00008	10416058	SR-842	10420565	04-Sep-2011	10:38	20 / ml	2.85 / gms	NHVOC	Michael Kremin	nhvoc	
SSC11-00008	10416058	SR-842	10420566	04-Sep-2011	10:41	20 / ml	2.84 / gms	SPARE	Michael Kremin	spare 1	
SSC11-00008	10416058	SR-842	10420567	04-Sep-2011	10:43	20 / ml	2.97 / gms	SPARE	Michael Kremin	spare 2	
SSC11-00008	10416058	SR-842	10420568	04-Sep-2011	10:50	125 / ml	39.90 / gms	SVOC, METALS	Michael Kremin	svoc metals	
SSC11-00008	10416058	SR-842	10420569	04-Sep-2011	11:03	20 / ml	2.86 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSC11-00008	10416058	SR-842	10420570	04-Sep-2011	11:16	20 / ml	2.60 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSC11-00008	10416058	SR-842	10420571	04-Sep-2011	11:21	20 / ml	2.75 / gms	TRIP BLANK	Michael Kremin	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-SEP-11 15:27:28	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:27:28	
Relinquished By	Angel Aguinaga		9/6/11 10:57	BOL# AMWTP000647 Seal# 077636
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:57	HAND DELIVERED Lonny Nate 9/6/11 11:50
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 9-6-11	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

6000

COPY OF IN-PROCESS RECORD

ALD Document: Log 1109061 CCP_SRS_MD.tif - Scanned:9/8/2011 7:38:02 AM

ALD LOG# 1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:56
COC No.: 0000513
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416066	SR-842	10420687	05-Sep-2011	10:42	20 / ml	2.58 / gms	PVOC	Nicholas Ingle	pvoc	
SSC11-00008	10416066	SR-842	10420688	05-Sep-2011	10:44	20 / ml	2.90 / gms	NHVOC	Nicholas Ingle	nhvoc	
SSC11-00008	10416066	SR-842	10420689	05-Sep-2011	10:46	20 / ml	2.95 / gms	SPARE	Nicholas Ingle	spare 1	
SSC11-00008	10416066	SR-842	10420690	05-Sep-2011	10:48	20 / ml	2.90 / gms	SPARE	Nicholas Ingle	spare 2	
SSC11-00008	10416066	SR-842	10420691	05-Sep-2011	10:51	125 / ml	38.10 / gms	SVOC, METALS	Nicholas Ingle	svoc metals	
SSC11-00008	10416066	SR-842	10420720	05-Sep-2011	13:26	20 / ml	2.80 / gms	TRIP BLANK	Nicholas Ingle	trip blank 1	
SSC11-00008	10416066	SR-842	10420728	05-Sep-2011	13:28	20 / ml	2.92 / gms	TRIP BLANK	Nicholas Ingle	trip blank 2	
SSC11-00008	10416066	SR-842	10420735	05-Sep-2011	13:30	20 / ml	2.74 / gms	TRIP BLANK	Nicholas Ingle	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Nicholas Ingle	Electronically signed in WTS	05-SEP-11 15:17:06	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:17:06	
Relinquished By	Angel Aguinaga		9/6/11 11:08	BOL# AMWTP000647 SEAL # 077642
Received By	LONNEY NATE	Lonny Nate	9/6/11 11:08	HAND DELIVERED Lonny Nate 9/6/11 11:54
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0040

COPY OF IN-PROCESS RECORD

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10420306	Lab Sample ID:	1DH89
Sampling Batch No:	SSC11-00008	Lab File ID:	SS605159
Date Sampled:	9 /1 /2011	Data Report Number:	ALD11026S
Date Extracted:	9 /13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	12 days		
Date/Time Analyzed:	09/29/2011 13:48	Instrument ID:	SV-6
Analysis Holding Time:	16 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	UZ
51-28-5	2,4-Dinitrophenol	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	UZ
118-74-1	Hexachlorobenzene	0.20	U
67-72-1	Hexachloroethane	0.20	U
95-48-7	2-Methylphenol	0.20	U
65794-96-9	3&4-Methylphenol	0.20	U
98-95-3	Nitrobenzene	0.20	U
87-86-5	Pentachlorophenol	0.20	UZ

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10420306	Lab Sample ID:	1DH89
Sampling Batch No:	SSC11-00008	Lab File ID:	SS605159
Date Sampled:	9 /1 /2011	Data Report Number:	ALD11026S
Date Extracted:	9 /13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	12 days		
Date/Time Analyzed:	09/29/2011 13:48	Instrument ID:	SV-6
Analysis Holding Time:	16 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

TOTAL SVOC ANALYSIS
SURROGATE RECOVERY FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-187-R1

Analytical Method: CCP-TP-185-R1

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

Sample Matrix: SOLID

	LAB SAMPLE ID	SMC1 %R (2FP)	SMC2 %R (PHL)	SMC3 %R (NBZ)	SMC4 %R (FBP)	SMC5 %R (TBP)	SMC6 %R (TPH)	TOTAL OUT
1	LBS091311A	36	39	41	46	60	65	0
2	LCSS1109061A	37	40	39	42	52	72	0
3	1DH95	43	47	48	54	73	81	0
4	1DJ02	40	45	47	50	56	74	0
5	1DH92	43	49	51	57	68	79	0
6	1DH89	49	57	61	64	66	74	0
7	1DH98	55	59	62	60	62	74	0
8	1DH98MS	18	21	21	24	29	31 Z	1
9	1DH98MSD	49	53	53	60	71	72	0
10	1DH86	16	18	21	24	22	24 Z	1
11	1DH86RE	16	18	25	28	24	28 Z	1
12	1DJ02MS	4	4	7	8 Z	7	8 Z	2
13	1DJ02MSD	17	20	22	25	30	30 Z	1

Acceptance Criteria

S1 (2FP) = 2-Fluorophenol	Detected - 90
S2 (PHL) = Phenol-d6	Detected - 92
S3 (NBZ) = Nitrobenzene-d5	6 - 85
S4 (FBP) = 2-Fluorobiphenyl	15 - 93
S5 (TBP) = 2,4,6-Tribromophenol	Detected - 132
S6 (TPH) = p-Terphenyl-d14	38 - 138

Z =Values Outside of Acceptance Criteria

D = Surrogates diluted out

0029

TOTAL SVOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method:	CCP-TP-187-R1			Data Report Number:	ALD11026S
Analytical Method:	CCP-TP-185-R1			Analytical Batch ID:	1109061
Instrument ID:	SV-6			Matrix:	SOLID
Lab Sample ID:	1DH98	MS Lab Sample ID:	1DH98MS	MSD Lab Sample ID:	1DH98MSD
Field Sample ID:	10420568	MS Field Sample ID:	10420568MS	MSD Field Sample ID:	10420568MSD
Lab File ID:	SS605160	MS Lab File ID:	SS605161	MSD Lab File ID:	SS605162
Date Analyzed:	09/29/2011	MS Date Analyzed:	09/29/2011	MSD Date Analyzed:	09/29/2011

TARGET ANALYTE	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg		SPIKED SAMPLE CONCENTRATION mg/kg		MS % RECOVERY		ACCEPTANCE CRITERIA % RECOVERY
1,4-Dichlorobenzene	4.98	0.20	U	0.94		19	Z	20 - 124
2,4-Dinitrotoluene	4.98	0.20	U	1.40		28	Z	39 - 139
Pentachlorophenol	9.96	0.20	U	1.44		14		14 - 176

TARGET ANALYTE	SPIKE ADDED mg/kg	DUPLICATE SPIKED SAMPLE CONCENTRATION mg/kg	%RPD		MSD % RECOVERY	QC LIMITS RPD
1,4-Dichlorobenzene	4.97	2.73	97.7	Z	55	≤ 86
2,4-Dinitrotoluene	4.97	3.19	78.3	Z	64	≤ 46
Pentachlorophenol	9.94	7.42	135.2	Z	75	≤ 128

Z =Values Outside of Acceptance Criteria

D = Spiked Analytes Diluted Out

RPD: 3 out of 3 outside limits

Spike Recovery: 2 out of 6 outside limits

TOTAL SVOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method:	CCP-TP-187-R1			Data Report Number:	ALD11026S
Analytical Method:	CCP-TP-185-R1			Analytical Batch ID:	1109061
Instrument ID:	SV-6			Matrix:	SOLID
Lab Sample ID:	1DJ02	MS Lab Sample ID:	1DJ02MS	MSD Lab Sample ID:	1DJ02MSD
Field Sample ID:	10420691	MS Field Sample ID:	10420691MS	MSD Field Sample ID:	10420691MSD
Lab File ID:	SS605157	MS Lab File ID:	SS605170	MSD Lab File ID:	SS605171
Date Analyzed:	09/29/2011	MS Date Analyzed:	10/04/2011	MSD Date Analyzed:	10/04/2011

TARGET ANALYTE	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg		SPIKED SAMPLE CONCENTRATION mg/kg		MS % RECOVERY		ACCEPTANCE CRITERIA % RECOVERY
1,4-Dichlorobenzene	4.97	0.20	U	0.33		7	Z	20 - 124
2,4-Dinitrotoluene	4.97	0.20	U	0.38		8	Z	39 - 139
Pentachlorophenol	9.94	0.20	U	0.20	U	0	Z	14 - 176

TARGET ANALYTE	SPIKE ADDED mg/kg	DUPLICATE SPIKED SAMPLE CONCENTRATION mg/kg	%RPD		MSD % RECOVERY		QC LIMITS RPD
1,4-Dichlorobenzene	5.00	0.93	94.1	Z	19	Z	≤ 86
2,4-Dinitrotoluene	5.00	1.53	120.5	Z	31	Z	≤ 46
Pentachlorophenol	10.00	1.18	200.0	Z	12	Z	≤ 128

Z =Values Outside of Acceptance Criteria

D = Spiked Analytes Diluted Out

RPD: 3 out of 3 outside limits

Spike Recovery: 6 out of 6 outside limits

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBS091311A
Sampling Batch No:	NA	Lab File ID:	BS605154
Date Sampled:	NA	Data Report Number:	ALD11026S
Date Extracted:	9 /13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/29/2011 10:11	Instrument ID:	SV-6
Analysis Holding Time:	16 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
51-28-5	2,4-Dinitrophenol	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
118-74-1	Hexachlorobenzene	0.20	U
67-72-1	Hexachloroethane	0.20	U
95-48-7	2-Methylphenol	0.20	U
65794-96-9	3&4-Methylphenol	0.20	U
98-95-3	Nitrobenzene	0.20	U
87-86-5	Pentachlorophenol	0.20	U

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBS091311A
Sampling Batch No:	NA	Lab File ID:	BS605154
Date Sampled:	NA	Data Report Number:	ALD11026S
Date Extracted:	9 /13/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	NA		
Date/Time Analyzed:	09/29/2011 10:11	Instrument ID:	SV-6
Analysis Holding Time:	16 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

TOTAL SVOC ANALYSIS
LABORATORY BLANK SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	09/13/2011	Lab Sample ID:	LBS091311A
Date/Time Analyzed:	09/29/2011 10:11	Lab File ID:	BS605154
Preparation Method:	CCP-TP-187-R1	Data Report Number:	ALD11026S
Analytical Method:	CCP-TP-185-R1	Analytical Batch ID:	1109061
		Instrument ID:	SV-6
		Matrix:	SOLID

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	LCSS1109061A	LS605155	9/29/2011	10:54
10420499	1DH95	SS605156	9/29/2011	11:37
10420691	1DJ02	SS605157	9/29/2011	12:21
10420490	1DH92	SS605158	9/29/2011	13:04
10420306	1DH89	SS605159	9/29/2011	13:48
10420568	1DH98	SS605160	9/29/2011	14:32
10420568MS	1DH98MS	SS605161	9/29/2011	15:15
10420568MSD	1DH98MSD	SS605162	9/29/2011	15:59
10420103	1DH86	SS605163	9/29/2011	16:42
10420103RE	1DH86RE	SS605169	10/4/2011	15:51
10420691MS	1DJ02MS	SS605170	10/4/2011	16:34
10420691MSD	1DJ02MSD	SS605171	10/4/2011	17:19

TOTAL SVOC ANALYSIS
LABORATORY CONTROL SAMPLE FORM
(QC REFERENCE CHECK)

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	9/13/2011	Lab Sample ID:	LCSS1109061A
Date/Time Analyzed:	09/29/2011 10:54	Lab File ID:	LS605155
Preparation Method:	CCP-TP-187-R1	Data Report Number:	ALD11026S
Analytical Method:	CCP-TP-185-R1	Analytical Batch ID:	1109061
		Instrument ID:	SV-6
		Matrix:	SOLID

TARGET ANALYTE	MEASURED CONCENTRATION mg/kg	KNOWN CONCENTRATION mg/kg	PERCENT RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
1,4-Dichlorobenzene	2.05	5.00	41	20 - 124
2,4-Dinitrotoluene	2.14	5.00	43	39 - 139
Pentachlorophenol	6.83	10.00	68	14 - 176

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/29/2011 09:27

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC092911A

Daily CCAL Lab File ID: CS605153

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

	IS1 (DCB) Area	RT (min.)	IS2 (NPT) Area	RT (min.)	IS3 (ANT) Area	RT (min.)
12 HOUR STANDARD	269208	8.80	1068285	11.17	648459	14.49
UPPER LIMIT	538416	9.30	2136570	11.67	1296918	14.99
LOWER LIMIT	134604	8.30	534142	10.67	324230	13.99

	Lab Sample ID						
1	LBS091311A	255750	8.80	997102	11.17	606594	14.49
2	LCSS1109061A	252409	8.80	971253	11.17	581739	14.49
3	1DH95	254247	8.80	984641	11.17	594667	14.49
4	1DJ02	253131	8.80	984463	11.17	595886	14.49
5	1DH92	251831	8.80	991058	11.17	591154	14.49
6	1DH89	251823	8.80	978204	11.17	591799	14.49
7	1DH98	247162	8.80	969098	11.17	594972	14.49
8	1DH98MS	245347	8.80	966102	11.17	582692	14.49
9	1DH98MSD	252256	8.80	981240	11.17	593500	14.49
10	1DH86	259141	8.80	1015304	11.17	614400	14.49

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area

Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT

RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/29/2011 09:27

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC092911A

Daily CCAL Lab File ID: CS605153

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

	IS4 (PHN) Area	RT (min.)	IS5 (CRY) Area	RT (min.)	IS6 (PRY) Area	RT (min.)
12 HOUR STANDARD	1100216	17.25	958837	22.33	846491	26.01
UPPER LIMIT	2200432	17.75	1917674	22.83	1692982	26.51
LOWER LIMIT	550108	16.75	479418	21.83	423246	25.51

	Lab Sample ID						
1	LBS091311A	1047403	17.25	1011531	22.33	860976	26.01
2	LCSS1109061A	974578	17.25	875491	22.33	803999	26.01
3	1DH95	1004548	17.25	922581	22.33	803304	26.01
4	1DJ02	1019197	17.25	892506	22.33	758095	26.01
5	1DH92	987107	17.25	705413	22.33	589978	26.01
6	1DH89	1013124	17.25	928017	22.33	844596	26.01
7	1DH98	1025852	17.25	990941	22.33	876192	26.01
8	1DH98MS	1004496	17.25	898431	22.33	795677	26.01
9	1DH98MSD	1005136	17.25	914957	22.33	849293	26.01
10	1DH86	1051047	17.25	975842	22.33	938011	26.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 10/04/2011 15:06

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC100411A

Daily CCAL Lab File ID: CS605168

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

	IS1 (DCB) Area	RT (min.)	IS2 (NPT) Area	RT (min.)	IS3 (ANT) Area	RT (min.)
12 HOUR STANDARD	272353	8.80	1049209	11.17	623587	14.49
UPPER LIMIT	544706	9.30	2098418	11.67	1247174	14.99
LOWER LIMIT	136176	8.30	524604	10.67	311794	13.99

	Lab Sample ID						
1	1DH86RE	262797	8.80	1016582	11.17	611159	14.49
2	1DJ02MS	257012	8.80	995074	11.17	603034	14.49
3	1DJ02MSD	263413	8.80	1033863	11.17	631606	14.49

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area

Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT

RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 10/04/2011 15:06

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC100411A

Daily CCAL Lab File ID: CS605168

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

	IS4 (PHN) Area	RT (min.)	IS5 (CRY) Area	RT (min.)	IS6 (PRY) Area	RT (min.)
12 HOUR STANDARD	1050051	17.25	875215	22.33	806987	26.01
UPPER LIMIT	2100102	17.75	1750430	22.83	1613974	26.51
LOWER LIMIT	525026	16.75	437608	21.83	403494	25.51

	Lab Sample ID						
1	1DH86RE	1042825	17.25	935636	22.33	854847	26.01
2	1DJ02MS	1064820	17.25	1019073	22.33	970989	26.02
3	1DJ02MSD	1105436	17.25	1036772	22.33	955658	26.01

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area

Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT

RT lower limit = -30 seconds of internal standard RT

Section 5

Instrument QC Data

TOTAL SVOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

DFTPP Injection Date/Time 09/29/2011 09:01

Analytical Method: CCP-TP-185-R1

Lab Sample ID: DFT092911B

Lab File ID: TS605152

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

m/z	Ion Abundance Criteria	% Rel Abundance
51	30.0 - 60.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.0 (1)
69	Mass 69 relative abundance	34.5
70	Less than 2.0% of mass 69	0.0 (1)
127	40.0 - 60.0% of mass 198	41.3
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	25.7
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than mass 443	78.3 (3)
442	Greater than 40.0% of mass 198	87.0
443	17.0 - 23.0% of mass 442	19.4 (2)

1 - Value is % mass 69 2 - Value is % mass 442 3 - Value is % mass 443

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	CC092911A	CS605153	9/29/2011	09:27
NA	LBS091311A	BS605154	9/29/2011	10:11
NA	LCSS1109061A	LS605155	9/29/2011	10:54
10420499	1DH95	SS605156	9/29/2011	11:37
10420691	1DJ02	SS605157	9/29/2011	12:21
10420490	1DH92	SS605158	9/29/2011	13:04
10420306	1DH89	SS605159	9/29/2011	13:48
10420568	1DH98	SS605160	9/29/2011	14:32
10420568MS	1DH98MS	SS605161	9/29/2011	15:15
10420568MSD	1DH98MSD	SS605162	9/29/2011	15:59
10420103	1DH86	SS605163	9/29/2011	16:42

TOTAL SVOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

DFTPP Injection Date/Time 10/04/2011 14:42

Analytical Method: CCP-TP-185-R1

Lab Sample ID: DFT100411A

Lab File ID: TS605167

Data Report Number: ALD11026S

Analytical Batch ID: 1109061

Instrument ID: SV-6

m/z	Ion Abundance Criteria	% Rel Abundance
51	30.0 - 60.0% of mass 198	38.0
68	Less than 2.0% of mass 69	0.0 (1)
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.0 (1)
127	40.0 - 60.0% of mass 198	42.4
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	27.0
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than mass 443	74.6 (3)
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	18.7 (2)

1 - Value is % mass 69 2 - Value is % mass 442 3 - Value is % mass 443

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	CC100411A	CS605168	10/4/2011	15:06
10420103RE	1DH86RE	SS605169	10/4/2011	15:51
10420691MS	1DJ02MS	SS605170	10/4/2011	16:34
10420691MSD	1DJ02MSD	SS605171	10/4/2011	17:19

TOTAL SVOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 09/26/2011 12:19 - 09/26/2011 15:57
Analytical Method: CCP-TP-185-R1

ICAL File ID: IS611W03
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

LAB FILE ID	IS605122	IS605123	IS605124	IS605125	IS605126	IS605127			
CONCENTRATION (ug/L)	60	50	40	30	20	10			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#
2-Fluorophenol	1.305	1.277	1.422	1.338	1.216	1.359	1.320	5.35	
Phenol-d6	1.592	1.562	1.762	1.635	1.513	1.708	1.629	5.71	
Phenol *	1.496	1.470	1.653	1.535	1.427	1.620	1.533	5.72	
1,4-Dichlorobenzene *	1.518	1.490	1.690	1.587	1.473	1.705	1.577	6.41	
1,2-Dichlorobenzene	1.453	1.426	1.604	1.522	1.415	1.628	1.508	6.08	
2-Methylphenol	0.489	0.478	0.535	0.493	0.452	0.500	0.491	5.59	
3&4-Methylphenol	0.703	0.688	0.768	0.711	0.660	0.706	0.706	5.04	
N-Nitroso-di-n-propylamine **	0.950	0.927	1.042	0.962	0.887	1.013	0.964	5.86	
Hexachloroethane	0.551	0.538	0.611	0.573	0.540	0.613	0.571	5.98	
Nitrobenzene-d5	1.325	1.294	1.446	1.354	1.237	1.419	1.346	5.81	
Nitrobenzene	1.360	1.324	1.497	1.389	1.291	1.473	1.389	5.89	
2-Nitrophenol *	0.194	0.191	0.209	0.196	0.185	0.199	0.196	4.25	
2,4-Dichlorophenol *	0.272	0.263	0.293	0.276	0.257	0.287	0.275	5.00	
Hexachlorobutadiene *	0.187	0.184	0.205	0.195	0.184	0.212	0.194	6.10	
4-Chloro-3-methylphenol *	0.215	0.208	0.228	0.212	0.199	0.217	0.213	4.53	
Hexachlorocyclopentadiene **	0.389	0.369	0.405	0.366	0.314	0.336	0.363	9.17	
2,4,6-Trichlorophenol *	0.350	0.339	0.376	0.348	0.317	0.352	0.347	5.51	
2-Fluorobiphenyl	1.248	1.224	1.366	1.291	1.209	1.400	1.290	6.08	
Acenaphthene *	1.003	0.976	1.096	1.029	0.970	1.110	1.031	5.84	
2,4-Dinitrophenol **	0.165	0.153	0.165	0.141	0.105	0.085	0.136	24.54	M
4-Nitrophenol **	0.239	0.223	0.247	0.226	0.199	0.203	0.223	8.63	
2,4-Dinitrotoluene	0.394	0.378	0.420	0.391	0.361	0.397	0.390	5.03	
N-Nitrosodiphenylamine *	0.477	0.464	0.519	0.490	0.454	0.507	0.485	5.15	
2,4,6-Tribromophenol	0.110	0.107	0.116	0.110	0.101	0.111	0.109	4.34	
Hexachlorobenzene	0.231	0.226	0.251	0.241	0.221	0.254	0.238	5.73	
Pentachlorophenol *	0.154	0.146	0.158	0.144	0.124	0.117	0.141	11.54	
Fluoranthene *	1.050	1.038	1.170	1.139	1.043	1.154	1.099	5.60	
Terphenyl-d14	0.801	0.839	0.900	0.821	0.879	0.967	0.868	6.99	
Di-n-octylphthalate *	1.339	1.409	1.462	1.314	1.220	1.249	1.332	6.92	
Benzo(a)pyrene *	0.848	0.813	0.912	0.842	0.746	0.815	0.829	6.54	

TOTAL SVOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 09/26/2011 12:19 - 09/26/2011 15:57
Analytical Method: CCP-TP-185-R1

ICAL File ID: IS611W03
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

LAB FILE ID	IS605122	IS605123	IS605124	IS605125	IS605126	IS605127			
CONCENTRATION (ug/L)	60	50	40	30	20	10			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#

CCC RSD ≤ 30%

SPCC Average RRF ≥ 0.050
Non-SPCC Average RRF ≥ 0.010

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

NA = Not applicable
Z = Did not meet acceptance criteria
# Column used to flag modeled compounds

M = Modeled compound:

Compound Name	r^2
2,4-Dinitrophenol	0.9920

TOTAL SVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Date/Time Analyzed: 09/29/2011 09:27
Analytical Method: CCP-TP-185-R1

Initial Calibration Date/Time: 09/26/2011 12:19 - 09/26/2011 15:57

Lab Sample ID: CC092911A
Lab File ID: CS605153
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
2-Fluorophenol	1.320	1.310	0.8
Phenol-d6	1.629	1.634	0.3
Phenol *	1.533	1.534	0.1
1,4-Dichlorobenzene *	1.577	1.559	1.1
1,2-Dichlorobenzene	1.508	1.483	1.7
2-Methylphenol	0.491	0.509	3.7
3&4-Methylphenol	0.706	0.737	4.4
N-Nitroso-di-n-propylamine **	0.964	0.947	1.8
Hexachloroethane	0.571	0.563	1.4
Nitrobenzene-d5	1.346	1.356	0.7
Nitrobenzene	1.389	1.401	0.9
2-Nitrophenol *	0.196	0.191	2.6
2,4-Dichlorophenol *	0.275	0.273	0.7
Hexachlorobutadiene *	0.194	0.188	3.1
4-Chloro-3-methylphenol *	0.213	0.216	1.4
Hexachlorocyclopentadiene **	0.363	0.327	9.9
2,4,6-Trichlorophenol *	0.347	0.343	1.2
2-Fluorobiphenyl	1.290	1.250	3.1
Acenaphthene *	1.031	1.019	1.2
4-Nitrophenol **	0.223	0.226	1.3
2,4-Dinitrotoluene	0.390	0.389	0.3
N-Nitrosodiphenylamine *	0.485	0.494	1.9
2,4,6-Tribromophenol	0.109	0.107	1.8
Hexachlorobenzene	0.238	0.230	3.4
Pentachlorophenol *	0.141	0.136	3.5
Fluoranthene *	1.099	1.103	0.4

TOTAL SVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Date/Time Analyzed:	09/29/2011 09:27	Lab Sample ID:	CC092911A
Analytical Method:	CCP-TP-185-R1	Lab File ID:	CS605153
		Data Report Number:	ALD11026S
Initial Calibration Date/Time:	09/26/2011 12:19 - 09/26/2011 15:57	Analytical Batch ID:	1109061
		Instrument ID:	SV-6

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Terphenyl-d14	0.868	0.883	1.7
Di-n-octylphthalate *	1.332	1.286	3.5
Benzo(a)pyrene *	0.829	0.806	2.8

CCC %D $\leq$ 20%

SPCC Average RRF $\geq$ 0.050

Non-SPCC Average RRF $\geq$ 0.010

* = CCC - Calibration Check Compounds

** = SPCC - System Performance Check Compounds

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
MODELED COMPOUND REPORT

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Date/Time: 09/29/2011 09:27
Analytical Method: CCP-TP-185-R1

Initial Calibration Date/Time: 09/26/2011 12:19 - 09/26/2011 15:57

Lab Sample ID: CC092911A
Lab File ID: CS605153
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

TARGET ANALYTE	CCAL RRF	CALCULATED RESULT ug/mL	KNOWN CONC. ug/mL	%D
2,4-Dinitrophenol **	0.119	19.440	20.000	2.8

CCC %D $\leq$ 20%

SPCC Average RRF $\geq$ 0.050

Non-SPCC Average RRF $\geq$ 0.010

* = CCC - Calibration Check Compounds
** = SPCC - System Performance Check Compounds

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Date/Time Analyzed: 10/04/2011 15:06
Analytical Method: CCP-TP-185-R1

Initial Calibration Date/Time: 09/26/2011 12:19 - 09/26/2011 15:57

Lab Sample ID: CC100411A
Lab File ID: CS605168
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
2-Fluorophenol	1.320	1.406	6.5
Phenol-d6	1.629	1.724	5.8
Phenol *	1.533	1.622	5.8
1,4-Dichlorobenzene *	1.577	1.670	5.9
1,2-Dichlorobenzene	1.508	1.584	5.0
2-Methylphenol	0.491	0.532	8.4
3&4-Methylphenol	0.706	0.772	9.3
N-Nitroso-di-n-propylamine **	0.964	0.994	3.1
Hexachloroethane	0.571	0.595	4.2
Nitrobenzene-d5	1.346	1.437	6.8
Nitrobenzene	1.389	1.487	7.1
2-Nitrophenol *	0.196	0.210	7.1
2,4-Dichlorophenol *	0.275	0.297	8.0
Hexachlorobutadiene *	0.194	0.207	6.7
4-Chloro-3-methylphenol *	0.213	0.227	6.6
Hexachlorocyclopentadiene **	0.363	0.387	6.6
2,4,6-Trichlorophenol *	0.347	0.379	9.2
2-Fluorobiphenyl	1.290	1.391	7.8
Acenaphthene *	1.031	1.121	8.7
4-Nitrophenol **	0.223	0.243	9.0
2,4-Dinitrotoluene	0.390	0.424	8.7
N-Nitrosodiphenylamine *	0.485	0.537	10.7
2,4,6-Tribromophenol	0.109	0.117	7.3
Hexachlorobenzene	0.238	0.253	6.3
Pentachlorophenol *	0.141	0.145	2.8
Fluoranthene *	1.099	1.167	6.2

TOTAL SVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Date/Time Analyzed:	10/04/2011 15:06	Lab Sample ID:	CC100411A
Analytical Method:	CCP-TP-185-R1	Lab File ID:	CS605168
		Data Report Number:	ALD11026S
Initial Calibration Date/Time:	09/26/2011 12:19 - 09/26/2011 15:57	Analytical Batch ID:	1109061
		Instrument ID:	SV-6

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Terphenyl-d14	0.868	0.968	11.5
Di-n-octylphthalate *	1.332	1.231	7.6
Benzo(a)pyrene *	0.829	0.853	2.9

CCC %D $\leq$ 20%

SPCC Average RRF $\geq$ 0.050

Non-SPCC Average RRF $\geq$ 0.010

* = CCC - Calibration Check Compounds

** = SPCC - System Performance Check Compounds

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
MODELED COMPOUND REPORT

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Date/Time: 10/04/2011 15:06
Analytical Method: CCP-TP-185-R1

Initial Calibration Date/Time: 09/26/2011 12:19 -
09/26/2011 15:57

Lab Sample ID: CC100411A
Lab File ID: CS605168
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

TARGET ANALYTE	CCAL RRF	CALCULATED RESULT ug/mL	KNOWN CONC. ug/mL	%D
2,4-Dinitrophenol **	0.133	21.060	20.000	5.3

CCC %D $\leq$ 20%

SPCC Average RRF $\geq$ 0.050

Non-SPCC Average RRF $\geq$ 0.010

* = CCC - Calibration Check Compounds
** = SPCC - System Performance Check Compounds

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	09/29/2011 09:27	Daily CCAL Sample ID:	CC092911A
Analytical Method:	CCP-TP-185-R1	Daily CCAL Lab File ID:	CS605153
ICAL/CCAL Sample ID:	CC092711A	Data Report Number:	ALD11026S
ICAL/CCAL Lab File ID:	CS605138	Analytical Batch ID:	1109061
Date Analyzed:	9/27/2011	Instrument ID:	SV-6

		IS1 (DCB) Area	RT (MIN)	IS2 (NPT) Area	RT (MIN)	IS3 (ANT) Area	RT (MIN)
Previous ICAL/CCAL	12 HOUR STANDARD	244514	8.80	969275	11.17	591886	14.49
	UPPER LIMIT	489028	9.30	1938550	11.67	1183772	14.99
	LOWER LIMIT	122257	8.30	484638	10.67	295943	13.99
Continuing Calibration Check		269208	8.80	1068285	11.17	648459	14.49

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/29/2011 09:27
Analytical Method: CCP-TP-185-R1
ICAL/CCAL Sample ID: CC092711A
ICAL/CCAL Lab File ID: CS605138
Date Analyzed: 9/27/2011

Daily CCAL Sample ID: CC092911A
Daily CCAL Lab File ID: CS605153
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Instrument ID: SV-6

		IS4 (PHN) Area	RT (MIN)	IS5 (CRY) Area	RT (MIN)	IS6 (PRY) Area	RT (MIN)
Previous ICAL/CCAL	12 HOUR STANDARD	1032512	17.25	945283	22.33	816211	26.01
	UPPER LIMIT	2065024	17.75	1890566	22.83	1632422	26.51
	LOWER LIMIT	516256	16.75	472642	21.83	408106	25.51
Continuing Calibration Check		1100216	17.25	958837	22.33	846491	26.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	10/04/2011 15:06	Daily CCAL Sample ID:	CC100411A
Analytical Method:	CCP-TP-185-R1	Daily CCAL Lab File ID:	CS605168
ICAL/CCAL Sample ID:	CC092911A	Data Report Number:	ALD11026S
ICAL/CCAL Lab File ID:	CS605153	Analytical Batch ID:	1109061
Date Analyzed:	9/29/2011	Instrument ID:	SV-6

		IS1 (DCB) Area	RT (MIN)	IS2 (NPT) Area	RT (MIN)	IS3 (ANT) Area	RT (MIN)
Previous ICAL/CCAL	12 HOUR STANDARD	269208	8.80	1068285	11.17	648459	14.49
	UPPER LIMIT	538416	9.30	2136570	11.67	1296918	14.99
	LOWER LIMIT	134604	8.30	534142	10.67	324230	13.99
Continuing Calibration Check		272353	8.80	1049209	11.17	623587	14.49

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	10/04/2011 15:06	Daily CCAL Sample ID:	CC100411A
Analytical Method:	CCP-TP-185-R1	Daily CCAL Lab File ID:	CS605168
ICAL/CCAL Sample ID:	CC092911A	Data Report Number:	ALD11026S
ICAL/CCAL Lab File ID:	CS605153	Analytical Batch ID:	1109061
Date Analyzed:	9/29/2011	Instrument ID:	SV-6

		IS4 (PHN) Area	RT (MIN)	IS5 (CRY) Area	RT (MIN)	IS6 (PRY) Area	RT (MIN)
Previous ICAL/CCAL	12 HOUR STANDARD	1100216	17.25	958837	22.33	846491	26.01
	UPPER LIMIT	2200432	17.75	1917674	22.83	1692982	26.51
	LOWER LIMIT	550108	16.75	479418	21.83	423246	25.51
Continuing Calibration Check		1050051	17.25	875215	22.33	806987	26.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL SVOC ANALYSIS
MDL REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

MDL Determination Date: 7/18/2011 Instrument ID: SV-6

Preparation Method: CCP-TP-187-R1 Matrix: SOLID

Analytical Method: CCP-TP-185-R1

TARGET ANALYTE	Reported MDL mg/kg	Program Required MDL mg/kg	PRQL mg/kg
1,2-Dichlorobenzene	0.20	5	40
1,4-Dichlorobenzene	0.20	5	40
2,4-Dinitrophenol	0.20	5	40
2,4-Dinitrotoluene	0.20	0.3	2.6
Hexachlorobenzene	0.20	0.3	2.6
Hexachloroethane	0.20	5	40
2-Methylphenol	0.20	5	40
3&4-Methylphenol	0.20	5	40
Nitrobenzene	0.20	5	40
Pentachlorophenol	0.20	5	40

TOTAL SVOC ANALYSIS
METHOD PRECISION AND ACCURACY (P&A) DEMONSTRATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Method P&A Effective Date: 07/18/2011
Data Report Number: ALD11026S
Analytical Batch ID: 1109061
Preparation Method: CCP-TP-187-R1
Analytical Method: CCP-TP-185-R1
Instrument ID: SV-6

TARGET ANALYTE	Number of Method Performance Samples	Accuracy		Precision	
		Mean %R	Acceptance Limits (%R)	%RSD	Acceptance Limits (%RSD)
1,2-Dichlorobenzene	7	45.1	32–129	8.0	≤64
1,4-Dichlorobenzene	7	45.0	20–124	9.0	≤86
2,4-Dinitrophenol	7	151.3	D[a]–172	1.6	≤119
2,4-Dinitrotoluene	7	46.0	39–139	10.9	≤46
Hexachlorobenzene	7	53.1	D[a]–152	6.8	≤319
Hexachloroethane	7	40.0	40–113	7.2	≤44
2-Methylphenol	7	38.3	25–115	8.8	≤50
3&4-Methylphenol	7	38.4	25–115	7.6	≤50
Nitrobenzene	7	40.7	35–180	7.6	≤72
Pentachlorophenol	7	139.7	14–176	2.3	≤128

[a]D = Detected; result must be greater than zero
Z = Did not meet acceptance criteria

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total SVOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1109061	Data Report: ALD11026S	Methods: CCP-TP-185 and CCP-TP-187

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Signature Release	ITR Release Date
09/29/11, 10/04/11	Jeff Jeter	10-13-11		10-13-11

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Instrument Performance Check (DFTPP Tune)	///	///	///	///
a. Was a DFTPP tune performed at the beginning of each 12-hour analytical shift, before analysis of standards or samples?	✓			
b. Does the DFTPP tune meet CCP-TP-185 acceptance criteria?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCAL)	///	///	///	///
a. Was a CCAL standard analyzed at the beginning of each 12-hour analytical shift, after the DFTPP tune but before sample analysis?	✓			
b. Are all CCC RRF or concentration (for modeled compounds) %Ds ≤20?	✓			
c. Are the RRFs ≥0.050 for all SPCCs and ≥ 0.01 for non-SPCCs?	✓			
d. Are internal standard areas within 50 to 200% of the areas in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
e. Are internal standard retention times (RTs) within 30 seconds of the RT in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are the internal standard areas within 50 to 200% of those in the associated CCAL?	✓			
b. Are the internal standard retention times within 30 seconds of those in the associated CCAL?	✓			
c. Do all surrogate compound recoveries meet CCP-TP-185 acceptance criteria? 10-12-11	✓	✓		See Narrative
d. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			✓	
e. Are detected target analyte RRTs within 0.06 RRT units of the associated CCAL RRT, or is the qualitative identification justified by the operator?	✓			
f. In your opinion, do the sample spectra for positive hits match the reference spectra?	✓			
g. In your opinion, are the quantitation ion peak areas correctly integrated?	✓			
h. Was a TIC search conducted on each sample and blank in the analytical batch?	✓			
i. Are TIC identities appropriately assigned per the identification criteria of CCP-TP-185?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Are all laboratory blank results ≤3 × program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the ICAL standards?	✓			
c. Do percent recoveries for all spiked analytes in each LCS meet CCP-TP-185 acceptance criteria?	✓			
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Do all percent recoveries for the MS and MSD meet CCP-TP-185 acceptance criteria?		✓		See Narrative
d. Do the RPDs between the MS and MSD meet CCP-TP-185 acceptance criteria?		✓		See Narrative

0900

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total SVOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1109061	Data Report: ALD11026S	Methods: CCP-TP-185 and CCP-TP-187

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all extracts stored at < -10 °C between preparation and analysis?	✓			
e. Were all samples extracted within 14 days of collection and analyzed (including dilutions and reanalyses) within 40 days of extraction?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed (in permanent black ink) and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and analysis run log books for the analytical batch included in the supporting data package?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-185 or CCP-TP-187 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, MBs, ISA&RTs, LCSs, DFTPP tunes, ICALs, CCALs, CCAL ISA&RTs, and MDLs?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

0061

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary

BDR Number: ALD11026M	Analysis Date: 09/14/2011, 09/22/2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			AMWTP Cross Reference included as attachment. The AMWTP Chain of Custody is included in the BDR.
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SRS ID AMWTP ID MDL0504556 10416056 MDL0506656 10416066 MDL0506675 10416058 MDL0506692 10416064 MDL0504586B 10416057
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			RK 10/25/11
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	No NCRs associated with this data.
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times within the 180-day requirement (except Mercury)? **Reference Source: CCP-PO-001, Table C1-4**	X			
12. Are holding times within the 28-day requirement for Mercury? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-25-11

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026M				Analysis Date: 09/14/2011, 09/22/2011
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
14. Do the found values for all LCS analytes fall within the low/high control limits listed on the Laboratory Control Sample Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-8 Footnote b**	X			
15. Is there a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
16. Do the %Rs for all MS analytes meet the 80-120 %R requirements? **Reference Source: CCP-PO-001, Table C3-8**	X			
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-9**	X			
18. Do the %Rs for all MSD analytes meet the 80-120 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-8**	X			Thallium recovery 78.7%. Mercury recovery 226.6%. All associated data appropriately flagged with a "Z".
19. Are the MS/MSD relative percent differences (RPDs) for all analytes less than or equal to 30? **Reference Source: CCP-PO-001, Table C3-8**	X			Mercury RPD is 72.8%. All associated data appropriately flagged with a "Z".
20. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			CP:11:01671 UFC:5900.00
21. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**	X			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026M				Analysis Date: 09/14/2011, 09/22/2011
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. Is serial dilution performed once per analytical batch? Note: This applies only to inductively coupled plasma (ICP) analysis. **Reference Source: CCP-PO-001, Table C3-9**	X			
23. Is the serial dilution result ≤10% D for initial sample results >50 x IDL? If no, sample results must be "Z" flagged for sample results >10% D and >50 x IDL? Note: This applies only to ICP analysis. **Reference Source: CCP-PO-001, Table C3-9**	X			Nickel result 12.4%. All associated data appropriately flagged with a "Z".
24. Is the ICP initial calibration performed each day of operation? Note: This is a one standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**	X			
25. Is the ICP %R for the initial calibration verification (ICV) check standard within the 90% to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
26. Is Mercury initial calibration performed each day of operation? Note: This is a five-standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**	X			
27. Is the Mercury %R for the ICV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
28. Is the Mercury regression coefficient (r) greater than or equal to 0.995? **Reference Source: CCP-PO-001, Table C3-9**	X			
29. Is continuing calibration verification (CCV) performed every 10 samples, and at the beginning and end of the run? **Reference Source: CCP-PO-001, Table C3-9**	X			
30. Is the ICP %R for the CCV within the 90 to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026M	Analysis Date: 09/14/2011, 09/22/2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
31. Is the Mercury %R for the CCV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
32. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
33. Are all lab blanks analytes ≤ 3 the IDL? **Reference Source: CCP-PO-001, Table C3-9**	X			The laboratory blank result for Zinc is > 3 times the IDL. The Zinc sample results were sufficiently large as not to be flagged with a "B".
34. Is interference correction verification performed at the beginning and end of the analytical batch or every 8 hours for ICP (12 hours for ICP/MS), whichever is more frequent? **Reference Source: CCP-PO-001, Table C3-9**	X			
35. Are solutions containing interference plus analytes within the 80 to 120 %R acceptance range for all analytes? *Note: If response is no AND sample interferents are reported on the Total Metals Analysis Data Sheets at levels ≥ levels in the ICS(A) solution and an NCR has not already been produced at the DGL, write an NCR.* **Reference Source: CCP-PO-001, Table C3-9**	X			
36. Does the BDR include IDLs (µg/L) that are ≤ PRDL? **Reference Source: CCP-PO-001, Table C3-8**	X			
37. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
38. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
39. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026M				Analysis Date: 09/14/2011, 09/22/2011
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
40. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b(1)**	X			Three Arsenic results are flagged with a "B", as a continuing calibration blank (CCB) result was greater than 20% of the sample result.
41. Have the batch samples been properly preserved (cool to 4° C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
42. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
43. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-8**	X			
44. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-8**	X			
45. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-8**	X			
46. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-8**	X			
47. Has the laboratory had acceptable demonstration of precision, accuracy, and IDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, C3-8**	X			
Comments: AMWTP Cross Reference included as SPM-1.				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Richard Kantrowitz				10/24/2011
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Offsite Waste Shipment

Date: 17-Oct-2011

Time: 13:18

Shipping No. SRIN110002 **Manifest No.** 001078308gbf

Proposed Shipment Date 27-JUL-11 **Manifest Receipt Date** 29-JUL-11

Repsonsible Project SRS **# of Containers** 13

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
MDL0502414	10416054	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502419	10416047	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502428	10416055	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0504556	10416056	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506007	10416065	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506103	10416063	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506656	10416066	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506675	10416058	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506692	10416064	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL504586B	10416057	425	SR-842		SR-MD-SOIL	08/02/2011	No	
SRSB0151			-				No	
SRSB0152			-				No	
SRSB0153			-				No	

***** End of Offsite Waste Shipment Report *****

SPM-1

TOTAL METALS SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES Preparation: CCP-TP-183-R0
Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Microwave Digester ID: MW-3
Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Field Sample ID	Lab Sample ID
10420103	1DH86
10420306	1DH89
10420490	1DH92
10420499	1DH95
10420568	1DH98
10420691	1DJ02
10420103S	1DH86S
10420103SD	1DH86SD

Section 2

Sample Custody Documents

ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 09:59
COC No.: 0000508
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416056	SR-842	10420099	31-Aug-2011	15:35	20 / ml	2.93 / gms	PVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420100	31-Aug-2011	15:37	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420101	31-Aug-2011	15:39	20 / ml	2.79 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416056	SR-842	10420102	31-Aug-2011	15:41	20 / ml	2.71 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416056	SR-842	10420103	31-Aug-2011	15:45	125 / ml	36.96 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416056	SR-842	10420104	31-Aug-2011	15:58	20 / ml	2.77 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416056	SR-842	10420105	31-Aug-2011	15:59	20 / ml	2.83 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416056	SR-842	10420106	31-Aug-2011	16:00	20 / ml	2.98 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1005	BOC# AMWTP000647 Seal # 077683
Received By	LONNEY NATE	Lonney Nate	09/06/11 1005	HAND Delivered Lonney Nate 9/6/11 11:45
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 Date 9-6-11 12:10	
Received By	Bill Strong		9-06-11 11 12:15	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

ALD Lab
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:06
COC No.: 0000509
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC*	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416064	SR-842	10420302	01-Sep-2011	15:39	20 / ml	2.98 / gms	PVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420303	01-Sep-2011	15:40	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420304	01-Sep-2011	15:41	20 / ml	2.89 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416064	SR-842	10420305	01-Sep-2011	15:42	20 / ml	2.70 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416064	SR-842	10420306	01-Sep-2011	15:46	125 / ml	39.29 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416064	SR-842	10420307	01-Sep-2011	15:50	20 / ml	2.71 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416064	SR-842	10420308	01-Sep-2011	15:50	20 / ml	2.76 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416064	SR-842	10420309	01-Sep-2011	15:51	20 / ml	2.95 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1015	BOL# AMWTP 000647 Seal# 077651
Received By	LONNEY NATE	Lonney Nate	09/06/11 1015	HAND DELIVERED Lonney Nate 9/6/11 11:53
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 1810 JMN 9-6-11	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

Scanned

ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:11
COC No.: 0000510

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420486	03-Sep-2011	08:13	20 / ml	2.96 / gms	PVOC	Abel Escobar	PVOC	
SSC11-00008	10416057	SR-842	10420487	03-Sep-2011	08:15	20 / ml	2.71 / gms	NHVOC	Abel Escobar	NHVOC	
SSC11-00008	10416057	SR-842	10420488	03-Sep-2011	08:17	20 / ml	2.74 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420489	03-Sep-2011	08:18	20 / ml	3.00 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420490	03-Sep-2011	08:21	125 / ml	39.45 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420503	03-Sep-2011	11:43	20 / ml	2.68 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420504	03-Sep-2011	11:45	20 / ml	2.51 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420505	03-Sep-2011	11:47	20 / ml	2.61 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:23:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:23:46	
Relinquished By	Angel Aguinaga		9/6/11 10:27	BOL # AMWTP000647 Seal # 077646
Received By	Lonney Nate	Lonney Nate	9/6/11 10:27	Hand Delivered Lonney Nate 9/6/11 1135
Relinquished By	Lonney Nate	Lonney Nate	9/6/11 Lonney Nate 9-6-11 10:10	
Received By	Bill Strong	Bill Strong	9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

ALD000639

ALD LOG # 1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:27
COC No.: 0000511
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420491	03-Sep-2011	08:37	20 / ml	2.67 / gms	PVOC	Abel Escobar	PVOC 1	
SSC11-00008	10416057	SR-842	10420492	03-Sep-2011	08:39	20 / ml	2.99 / gms	PVOC	Abel Escobar	PVOC 2	
SSC11-00008	10416057	SR-842	10420493	03-Sep-2011	08:41	20 / ml	2.75 / gms	PVOC	Abel Escobar	PVOC 3	
SSC11-00008	10416057	SR-842	10420494	03-Sep-2011	08:43	20 / ml	2.53 / gms	NHVOC	Abel Escobar	NHVOC 1	
SSC11-00008	10416057	SR-842	10420495	03-Sep-2011	08:44	20 / ml	2.98 / gms	NHVOC	Abel Escobar	NHVOC 2	
SSC11-00008	10416057	SR-842	10420496	03-Sep-2011	08:45	20 / ml	2.75 / gms	NHVOC	Abel Escobar	NHVOC 3	
SSC11-00008	10416057	SR-842	10420497	03-Sep-2011	08:46	20 / ml	2.62 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420498	03-Sep-2011	08:47	20 / ml	2.72 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420499	03-Sep-2011	08:48	125 / ml	39.85 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420506	03-Sep-2011	11:50	20 / ml	2.73 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420507	03-Sep-2011	11:52	20 / ml	2.87 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420508	03-Sep-2011	11:54	20 / ml	2.95 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:21:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:21:46	
Relinquished By	Angel Aguinaga		9/6/11 10:43	BOL # AMWTP000647 SEAL # 077682
Received By	Lonney Nate	Lonney Nate	9/6/11 10:43	Hand Delivered Lonney Nate 9/6/11 11:40
Relinquished By	Lonney Nate	Lonney Nate	9/6/11 Email 9-6-11 12:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:43
COC No.: 0000512
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416058	SR-842	10420564	04-Sep-2011	10:35	20 / ml	2.69 / gms	PVOC	Michael Kremin	pvoc	
SSC11-00008	10416058	SR-842	10420565	04-Sep-2011	10:38	20 / ml	2.85 / gms	NHVOC	Michael Kremin	nhvoc	
SSC11-00008	10416058	SR-842	10420566	04-Sep-2011	10:41	20 / ml	2.84 / gms	SPARE	Michael Kremin	spare 1	
SSC11-00008	10416058	SR-842	10420567	04-Sep-2011	10:43	20 / ml	2.97 / gms	SPARE	Michael Kremin	spare 2	
SSC11-00008	10416058	SR-842	10420568	04-Sep-2011	10:50	125 / ml	39.90 / gms	SVOC, METALS	Michael Kremin	svoc metals	
SSC11-00008	10416058	SR-842	10420569	04-Sep-2011	11:03	20 / ml	2.86 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSC11-00008	10416058	SR-842	10420570	04-Sep-2011	11:16	20 / ml	2.60 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSC11-00008	10416058	SR-842	10420571	04-Sep-2011	11:21	20 / ml	2.75 / gms	TRIP BLANK	Michael Kremin	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-SEP-11 15:27:28	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:27:28	
Relinquished By	Angel Aguinaga		9/6/11 10:57	BOL# AMWTP000647 Seal # 077636
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:57	HAND DeLIVERED Lonny Nate 9/6/11 11:50
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 Mate 9-6-11	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD Document: Log 1109061 CCP_SRS_MD.tif - Scanned:9/8/2011 7:38:02 AM

ALD Log # 1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:56
COC No.: 0000513
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416066	SR-842	10420687	05-Sep-2011	10:42	20 / ml	2.58 / gms	PVOC	Nicholas Ingle	pvoc	
SSC11-00008	10416066	SR-842	10420688	05-Sep-2011	10:44	20 / ml	2.90 / gms	NHVOC	Nicholas Ingle	nhvoc	
SSC11-00008	10416066	SR-842	10420689	05-Sep-2011	10:46	20 / ml	2.95 / gms	SPARE	Nicholas Ingle	spare 1	
SSC11-00008	10416066	SR-842	10420690	05-Sep-2011	10:48	20 / ml	2.90 / gms	SPARE	Nicholas Ingle	spare 2	
SSC11-00008	10416066	SR-842	10420691	05-Sep-2011	10:51	125 / ml	38.10 / gms	SVOC, METALS	Nicholas Ingle	svoc metals	
SSC11-00008	10416066	SR-842	10420720	05-Sep-2011	13:26	20 / ml	2.80 / gms	TRIP BLANK	Nicholas Ingle	trip blank 1	
SSC11-00008	10416066	SR-842	10420728	05-Sep-2011	13:28	20 / ml	2.92 / gms	TRIP BLANK	Nicholas Ingle	trip blank 2	
SSC11-00008	10416066	SR-842	10420735	05-Sep-2011	13:30	20 / ml	2.74 / gms	TRIP BLANK	Nicholas Ingle	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Nicholas Ingle	Electronically signed in WTS	05-SEP-11 15:17:06	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:17:06	
Relinquished By	Angel Aguinaga		9/6/11 11:08	BOL# AMWTP000647 SEAL # 077642
Received By	LONNEY NATE	Lonny Nate	9/6/11 11:08	HAND DELIVERED Lonny Nate 9/6/11 11:54
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 (Note 9-6-11)	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10420306	Data Report Number:	ALD11026M
Sampling Batch No.:	SSC11-00008	Analytical Batch ID:	1109061
Date Sampled:	09/01/2011	Lab Sample ID:	1DH89
		Date Digested, ICP:	09/20/2011
		Date Digested, CVAA:	09/14/2011
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	1.6E+00	J		09/22/2011 15:31:37	21	P
7440-38-2	Arsenic	2.0E+00	J	B	09/22/2011 15:31:37	21	P
7440-39-3	Barium	8.7E+01			09/22/2011 15:31:37	21	P
7440-41-7	Beryllium	8.9E-01			09/22/2011 15:31:37	21	P
7440-43-9	Cadmium	5.6E-01			09/22/2011 15:31:37	21	P
7440-47-3	Chromium	6.2E+01			09/22/2011 15:31:37	21	P
7439-92-1	Lead	7.8E+00			09/22/2011 15:31:37	21	P
7439-97-6	Mercury	2.9E-01		Z	09/14/2011 15:16:28	13	V
7440-02-0	Nickel	1.5E+01		Z	09/22/2011 15:31:37	21	P
7782-49-2	Selenium	2.2E+00	J		09/22/2011 15:31:37	21	P
7440-22-4	Silver	1.0E-01	U		09/22/2011 15:31:37	21	P
7440-28-0	Thallium	8.0E-01	U	Z	09/22/2011 15:31:37	21	P
7440-62-2	Vanadium	3.7E+01			09/22/2011 15:31:37	21	P
7440-66-6	Zinc	6.3E+01			09/22/2011 15:31:37	21	P

C = concentration qualifier; Q = data qualifier; M = method code

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Calibration Source, ICP-AES: CPI International
ICV Source, ICP-AES: SPEX Industries
CCV Source, ICP-AES: SPEX Industries

Calibration Source, CVAA: SPEX Industries
ICV Source, CVAA: CPI International
CCV Source, CVAA: SPEX Industries

Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R	Continuing Calibration Verification True	Found	%R	Found	%R	M
Aluminum	2500.0	2519.400	100.8	2500.0	2524.300	101.0	2512.800	100.5	P
Antimony	2500.0	2419.100	96.8	2500.0	2428.400	97.1	2342.500	93.7	P
Arsenic	2500.0	2573.300	102.9	2500.0	2541.300	101.7	2472.300	98.9	P
Barium	2500.0	2549.500	102.0	2500.0	2573.500	102.9	2593.400	103.7	P
Beryllium	2500.0	2481.800	99.3	2500.0	2478.500	99.1	2482.700	99.3	P
Cadmium	2500.0	2507.300	100.3	2500.0	2488.000	99.5	2433.000	97.3	P
Calcium	2500.0	2410.000	96.4	2500.0	2447.700	97.9	2409.100	96.4	P
Chromium	2500.0	2514.200	100.6	2500.0	2468.800	98.8	2383.000	95.3	P
Copper	2500.0	2486.400	99.5	2500.0	2489.800	99.6	2472.700	98.9	P
Iron	2500.0	2500.700	100.0	2500.0	2513.000	100.5	2497.300	99.9	P
Lead	2500.0	2481.100	99.2	2500.0	2502.700	100.1	2427.700	97.1	P
Magnesium	2500.0	2415.700	96.6	2500.0	2403.000	96.1	2391.200	95.6	P
Manganese	2500.0	2502.700	100.1	2500.0	2507.000	100.3	2502.900	100.1	P
Mercury	4.0	3.815	95.4	4.0	4.137	103.4	4.413	110.3	V
Nickel	2500.0	2509.700	100.4	2500.0	2538.700	101.5	2496.000	99.8	P
Selenium	2500.0	2525.300	101.0	2500.0	2501.600	100.1	2413.800	96.6	P
Silver	2500.0	2475.500	99.0	2500.0	2542.000	101.7	2455.600	98.2	P
Thallium	2500.0	2537.500	101.5	2500.0	2530.900	101.2	2456.400	98.3	P
Titanium	2500.0	2572.800	102.9	2500.0	2566.400	102.7	2571.500	102.9	P
Uranium	2500.0	2633.200	105.3	2500.0	2612.400	104.5	2697.300	107.9	P
Vanadium	2500.0	2469.700	98.8	2500.0	2472.300	98.9	2444.800	97.8	P
Zinc	2500.0	2521.900	100.9	2500.0	2475.600	99.0	2407.900	96.3	P

Acceptance Criteria: %R 80-120 for mercury
%R 90-110 for all other analytes

000030

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Calibration Source, ICP-AES: CPI International
ICV Source, ICP-AES:
CCV Source, ICP-AES: SPEX Industries

Calibration Source, CVAA: SPEX Industries
ICV Source, CVAA:
CCV Source, CVAA: SPEX Industries

Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R	Continuing Calibration Verification True	Found	%R	Found	%R	M
Aluminum			NA			NA		NA	P
Antimony			NA			NA		NA	P
Arsenic			NA			NA		NA	P
Barium			NA			NA		NA	P
Beryllium			NA			NA		NA	P
Cadmium			NA			NA		NA	P
Calcium			NA			NA		NA	P
Chromium			NA			NA		NA	P
Copper			NA			NA		NA	P
Iron			NA			NA		NA	P
Lead			NA			NA		NA	P
Magnesium			NA			NA		NA	P
Manganese			NA			NA		NA	P
Mercury			NA	4.0	4.601	115.0	4.373	109.3	V
Nickel			NA			NA		NA	P
Selenium			NA			NA		NA	P
Silver			NA			NA		NA	P
Thallium			NA			NA		NA	P
Titanium			NA			NA		NA	P
Uranium			NA			NA		NA	P
Vanadium			NA			NA		NA	P
Zinc			NA			NA		NA	P

Acceptance Criteria: %R 80-120 for mercury
%R 90-110 for all other analytes

ICP-AES LOW LEVEL CONCENTRATION CHECK STANDARD

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES: CCP-TP-182-R1

Instrument ID, ICP-AES: ICP-7

Concentration Units: ug/L

Analyte	True	Found	%R
Antimony	200.0	210.7	105.4
Arsenic	200.0	212.2	106.1
Barium	200.0	232.3	116.2
Beryllium	200.0	204.1	102.0
Cadmium	200.0	210.4	105.2
Chromium	200.0	209.8	104.9
Lead	200.0	205.0	102.5
Nickel	200.0	207.2	103.6
Selenium	200.0	226.6	113.3
Silver	200.0	207.4	103.7
Thallium	200.0	209.4	104.7
Vanadium	200.0	204.6	102.3
Zinc	200.0	209.8	104.9

Acceptance Criteria: %R 80-120 for target anaytes

BLANKS

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Lab Blank ID ICP-AES: LB1443-04
Lab Blank ID CVAA: LB1395-10

Date Digested ICP-AES: 09/20/2011
Date Digested, CVAA: 09/14/2011

Method, ICP-AES Preparation: CCP-TP-183-R0
Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Microwave Digester ID: MW-3
Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

	Initial Calibration Blank, ug/L		Continuing Calibration Blank, ug/L						Laboratory Blank, mg/kg		
Analyte		**C**	**1**	**C**	**2**	**C**	**3**	**C**		**C**	**M**
Aluminum	9.0	U	9.0	U	9.0	U			NA		P
Antimony	7.0	U	7.0	U	7.0	U			0.700	U	P
Arsenic	7.0	U	7.0	U	8.4	J			0.700	U	P
Barium	92.4	J	47.0	U	64.6	J			4.700	U	P
Beryllium	1.0	U	1.0	U	1.0	U			0.100	U	P
Cadmium	1.0	U	1.0	U	1.0	U			0.100	U	P
Calcium	17.0	U	17.0	U	17.0	U			NA		P
Chromium	1.0	U	1.0	U	1.0	U			0.100	U	P
Copper	2.0	U	2.0	U	2.0	U			NA		P
Iron	12.0	U	12.0	U	12.0	U			NA		P
Lead	4.0	U	4.0	U	4.0	U			0.400	U	P
Magnesium	40.0	U	40.0	U	40.0	U			NA		P
Manganese	1.0	U	1.0	U	1.0	U			NA		P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	V
Nickel	2.0	U	2.0	U	2.0	U			0.200	U	P
Selenium	11.0	U	11.0	U	11.0	U			1.100	U	P
Silver	1.0	U	1.0	U	1.0	U			0.100	U	P
Thallium	9.0	J	10.7	J	8.0	U			0.800	U	P
Titanium	2.0	U	2.0	U	2.0	U			NA		P
Uranium	21.0	U	21.0	U	21.0	U			NA		P
Vanadium	3.0	U	3.0	U	3.0	U			0.300	U	P
Zinc	2.0	U	2.0	U	2.0	U			7.720		P

C = concentration qualifier; M = method code

Acceptance Criteria, ICB/CCB: Absolute value of result ≤ PRDL

Acceptance Criteria, LB: Result ≤ 3 × PRDL

BLANKS

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Lab Blank ID ICP-AES: LB1443-04
Lab Blank ID CVAA: LB1395-10

Date Digested ICP-AES: 09/20/2011
Date Digested, CVAA: 09/14/2011

Method, ICP-AES Preparation: CCP-TP-183-R0
Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Microwave Digester ID: MW-3
Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

	Initial Calibration Blank, ug/L		Continuing Calibration Blank, ug/L						Laboratory Blank, mg/kg		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum									NA		P
Antimony											P
Arsenic											P
Barium											P
Beryllium											P
Cadmium											P
Calcium									NA		P
Chromium											P
Copper									NA		P
Iron									NA		P
Lead											P
Magnesium									NA		P
Manganese									NA		P
Mercury			0.1	U							V
Nickel											P
Selenium											P
Silver											P
Thallium											P
Titanium									NA		P
Uranium									NA		P
Vanadium											P
Zinc											P

C = concentration qualifier; M = method code

Acceptance Criteria, ICB/CCB: Absolute value of result ≤ PRDL

Acceptance Criteria, LB: Result ≤ 3 × PRDL

ICP-AES INTERFERENCE CHECK SAMPLE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES Analysis: CCP-TP-182-R1 Instrument ID, ICP-AES: ICP-7

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Solution A	Solution AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Antimony		1000	18	1068.9	106.9	5	1035.7	103.6
Arsenic		1000	-59	1051.2	105.1	-34	1035.7	103.6
Barium		500	74	567.4	113.5	39	508.9	101.8
Beryllium		500	14	521.3	104.3	14	513.9	102.8
Cadmium		1000	7	966.3	96.6	7	943.1	94.3
Chromium		500	-1	487.4	97.5	-1	473.1	94.6
Lead		1000	-13	940.2	94.0	-19	928.0	92.8
Nickel		1000	-3	918.4	91.8	-4	913.4	91.3
Selenium		1000	35	1115.2	111.5	6	1114.6	111.5
Silver		1000	-15	1083.8	108.4	-8	1095.7	109.6
Thallium		1000	28	937.0	93.7	3	901.0	90.1
Vanadium		500	20	511.8	102.4	22	505.8	101.2
Zinc		1000	42	997.2	99.7	38	974.3	97.4

Acceptance Criteria: Sol. AB (ICSAB) %R 80-120 for target analytes

0090035

INSTRUMENT DETECTION LIMITS

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Analyte	Wavelength (nm)	IDL (ug/L)	IDL Effective Date	M
Aluminum	396.15	9.0	06/01/2011	P
Antimony	206.83	7.0	06/01/2011	P
Arsenic	188.98	7.0	06/01/2011	P
Barium	233.53	47.0	06/01/2011	P
Beryllium	313.11	1.0	06/01/2011	P
Cadmium	214.44	1.0	06/01/2011	P
Calcium	317.93	17.0	06/01/2011	P
Chromium	205.56	1.0	06/01/2011	P
Copper	324.75	2.0	06/01/2011	P
Iron	273.96	12.0	06/01/2011	P
Lead	220.35	4.0	06/01/2011	P
Magnesium	279.08	40.0	06/01/2011	P
Manganese	257.61	1.0	06/01/2011	P
Mercury	253.70	0.1	05/26/2011	V
Nickel	231.60	2.0	06/01/2011	P
Selenium	196.03	11.0	06/01/2011	P
Silver	328.07	1.0	06/01/2011	P
Thallium	190.80	8.0	06/01/2011	P
Titanium	334.94	2.0	06/01/2011	P
Uranium	409.01	21.0	06/01/2011	P
Vanadium	292.40	3.0	06/01/2011	P
Zinc	206.20	2.0	06/01/2011	P

IDL = instrument detection limit; M = method code

Acceptance Criteria: IDL ≤ PRDL

ICP-AES LINEAR RANGES

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES Analysis: CCP-TP-182-R1

Instrument ID, ICP-AES: ICP-7

Analyte	Wavelength (nm)	Linear Range (ug/L)	Linear Range Effective Date
Aluminum	396.15	4000000.0	09/12/2011
Antimony	206.83	50000.0	06/01/2011
Arsenic	188.98	5000.0	06/01/2011
Barium	233.53	100000.0	06/01/2011
Beryllium	313.11	50000.0	06/01/2011
Cadmium	214.44	25000.0	06/01/2011
Calcium	317.93	3000000.0	09/12/2011
Chromium	205.56	50000.0	06/01/2011
Copper	324.75	500000.0	06/01/2011
Iron	273.96	1000000.0	06/01/2011
Lead	220.35	100000.0	06/01/2011
Magnesium	279.08	1000000.0	06/01/2011
Manganese	257.61	100000.0	06/01/2011
Nickel	231.60	100000.0	06/01/2011
Selenium	196.03	5000.0	06/01/2011
Silver	328.07	5000.0	06/01/2011
Thallium	190.80	50000.0	06/01/2011
Titanium	334.94	100000.0	06/01/2011
Uranium	409.01	1000000.0	06/01/2011
Vanadium	292.40	100000.0	06/01/2011
Zinc	206.20	50000.0	06/01/2011

TOTAL METALS ANALYSIS
ICP-AES ANALYSIS SEQUENCE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Analysis Date: 09/22/2011

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method, ICP-AES Analysis: CCP-TP-182-R1

Instrument ID, ICP-AES: ICP-7

			Target Analytes													
Lab Sample ID	DF	Time	Sb	As	Ba	Be	Cd	Cr	Pb	Ni	Se	Ag	Tl	V	Zn	Comments
StdLow	1.0	14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	Calibration Blank
StdHigh	1.0	14:04	X	X	X	X	X	X	X	X	X	X	X	X	X	5 mg/L
StdHighUTi	1.0	14:08														5 mg/L
ICV	1.0	14:11	X	X	X	X	X	X	X	X	X	X	X	X	X	2.50 mg/L
ICB	1.0	14:15	X	X	X	X	X	X	X	X	X	X	X	X	X	
LLC	1.0	14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	0.20 mg/L
ICSA	1.0	14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB	1.0	14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	
LB1443-4	1.0	14:32	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS1443-4	1.0	14:36	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86	1.0	14:40														Data not reported
1DH86L	5.0	14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86S	1.0	14:50	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86SD	1.0	14:55	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86A	1.0	15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV	1.0	15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	2.50 mg/L
CCB	1.0	15:08	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86	1.0	15:12	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH86L	5.0	15:26														Data not reported
1DH89	1.0	15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH92	1.0	15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH95	1.0	15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DH98	1.0	15:46	X	X	X	X	X	X	X	X	X	X	X	X	X	
1DJ02	1.0	15:50	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA	1.0	15:55	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB	1.0	16:00	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV	1.0	16:05	X	X	X	X	X	X	X	X	X	X	X	X	X	2.50 mg/L
CCB	1.0	16:09	X	X	X	X	X	X	X	X	X	X	X	X	X	

TOTAL METALS ANALYSIS
CVAA ANALYSIS SEQUENCE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Analysis Date:	09/14/2011	Data Report Number:	ALD11026M
		Analytical Batch ID:	1109061
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

CVAA Calibration Correlation Coefficient (r): 0.99993

Lab Sample ID	DF	Time	Hg	Comments
S0	1.00	14:29	X	Calibration Blank
S0.2	1.00	14:31	X	0.2 ug/L
S1	1.00	14:33	X	1.0 ug/L
S4	1.00	14:36	X	4.0 ug/L
S8	1.00	14:39	X	8.0 ug/L
S12	1.00	14:42	X	12.0 ug/L
ICV1395-10	1.00	14:45	X	4.0 ug/L
ICB	1.00	14:47	X	
CCV	1.00	14:49	X	4.0 ug/L
CCB	1.00	14:52	X	
LB1395-10	1.00	14:54	X	
LCS1395-10	20.00	14:57	X	
1DH86	1.00	15:00	X	
1DH86S	1.00	15:03	X	
1DH86SD	1.00	15:06		Data not reported
1DH86SD	4.00	15:13	X	
1DH89	1.00	15:16	X	
1DH92	1.00	15:19	X	
1DH95	1.00	15:22	X	
CCV	1.00	15:24	X	4.0 ug/L
CCB	1.00	15:26	X	
1DH98	1.00	15:28	X	
1DJ02	1.00	15:31	X	
CCV	1.00	15:35	X	4.0 ug/L
CCB	1.00	15:38	X	
1DH86L	5.00	15:41	X	
CCV	1.00	15:43	X	4.0 ug/L
CCB	1.00	15:46	X	

DF = at instrument dilution factor

TOTAL METALS ANALYSIS
METHOD PRECISION AND ACCURACY (P&A) DEMONSTRATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Method P&A Effective Date, ICP-AES: 05/09/2011
Method P&A Effective Date, CVAA: 05/09/2011

Data Report Number: ALD11026M
Analytical Batch ID: 1109061

Method Performance Sample Source: ERA LOT# D067-540

Method, ICP-AES Preparation: CCP-TP-183-R0
Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Microwave Digester ID: MW-3
Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Target Analyte	Number of Method Performance Samples	Accuracy					Precision		M
		True Value (mg/kg)	Mean Found Value (mg/kg)	Acceptance Limits (mg/kg)		%R	%RSD	Acceptance Limits (%RSD)	
				Lower	Upper				
Antimony	4	167.88	177.08	94.86	241.49	105.5	14.5	≤30	P
Arsenic	4	150.39	157.06	137.51	163.49	104.4	2.8	≤30	P
Barium	4	278.06	279.23	248.51	307.49	100.4	2.4	≤30	P
Beryllium	4	157.20	159.90	143.51	171.49	101.7	2.2	≤30	P
Cadmium	4	70.34	75.26	62.35	78.34	107.0	1.7	≤30	P
Chromium	4	114.00	116.38	103.51	124.49	102.1	2.9	≤30	P
Lead	4	138.36	144.23	123.51	153.49	104.2	1.8	≤30	P
Mercury	4	25.30	25.98	18.10	32.40	102.7	8.3	≤30	V
Nickel	4	130.50	136.49	116.51	144.49	104.6	2.2	≤30	P
Selenium	4	215.82	224.45	198.51	233.49	104.0	2.4	≤30	P
Silver	4	45.98	49.36	41.15	50.85	107.4	2.0	≤30	P
Thallium	4	138.90	145.19	126.51	151.49	104.5	3.0	≤30	P
Vanadium	4	89.23	86.06	81.06	97.34	96.4	4.5	≤30	P
Zinc	4	243.18	247.61	216.51	269.49	101.8	3.6	≤30	P

M = Method Code (P = ICP-AES; V = CVAA)

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1109061	Data Report: ALD11026M	Method: CCP-TP-181

Analysis Date(s)	Data Generator	ITR Review Date	ITR Release Signature	ITR Release Date
09/14/2011	Laura Morgan Richard Wells	09/29/11 & 10/11/11	(Jeffrey S. Laug)	10/12/2011

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Initial Calibration	///	///	///	///
a. Was the initial calibration performed using a minimum of 5 standards and a blank?	✓			
b. Is the regression coefficient (r) ≥ 0.995?	✓			
2. Initial Calibration Verification (ICV)	///	///	///	///
a. Was an ICV analyzed after the initial calibration and prior to analysis of any samples?	✓			
b. Is the recovery of the ICV between 80% and 120%?	✓			
c. Is the ICV standard prepared from a different source than that of the initial calibration standards?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Was the CCV analyzed prior to the analysis of samples?	✓			
b. Is the percent recovery for the CCV between 80% and 120%?	✓			
c. Was a compliant CCV (%R between 80% and 120%) analyzed at the completion of the analytical run?	✓			
d. Were every ten samples bracketed by compliant CCVs?	✓			
4. Blanks	///	///	///	///
a. Was at least one laboratory blank (LB) digested and analyzed with the analytical batch?	✓			
b. Are all laboratory blank results ≤ 3×PRDL?	✓			
c. Was an ICB analyzed immediately after the ICV?	✓			
d. Was a CCB analyzed immediately after each CCV?	✓			
e. Is each of the ICB and CCB results ≤ PRDL?	✓			
5. Laboratory Control Sample (LCS)	///	///	///	///
a. Was at least one LCS digested and analyzed with the analytical batch?	✓			
b. Is the recovery within the manufacturer/statistical control limits for LCSs?	✓			
6. Matrix Spikes (MS) and Matrix Spike Duplicates (MSD)	///	///	///	///
a. Were a MS and a MSD performed on at least one sample from the analytical batch?	✓			
b. Is the MS/MSD RPD ≤30?		✓		RPD = 72.8%. Soil Hg data reported w/ the 'Z' qualifier. See narrative.
c. Are percent recoveries (%R) between 80% and 120% for the MS and MSD?		✓		MSD %R = 226.6%. Soil Hg data reported w/ the 'Z' qualifier. See narrative. Heterogeneity.

000045

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1109061	Data Report: ALD11026M	Method: CCP-TP-181

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
7. Samples (Including MS, MSD, Post Digestion Spike (PDS) and Serial Dilution (SD))	///	///	///	///
a. Were all samples and QC samples with mercury readings exceeding the calibration range reanalyzed with a dilution?	✓			
b. Was a SD analyzed in the analytical batch if 6c is NO and at least one sample concentration exceeded 10xIDL?	✓			
c. If a SD was analyzed, is %D ≤10?	✓			
d. IF 6c is *NO* AND 7c is *NO* or *N/A*, was a PDS performed in the analytical batch?			✓	
e. IF 7d is *YES* was the PDS spike recovery between 85% and 115%?			✓	
f. Was MSA used for quantitation if PDS was required AND did not meet the acceptance criteria?			✓	
g. Are any corrective actions taken during the analysis documented in the raw data?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples prepared and analyzed (including dilutions) within 28 days of collection?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and IDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all instrument and computer system printouts present and accurate for every reported standard, sample and QC sample?	✓			
b. Are copies of preparation and analysis run log books for all samples and QC samples present and accurate?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working and intermediate standards used?	✓			
d. Are all raw data initialed/signed by the operator in permanent black ink?	✓			
e. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-181 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1109061	Data Report: ALD11026M	Method: CCP-TP-181

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, H and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for MS/MSD %R and RPD, LCSs, ICB/CCB/LBs, ICV/CCVs, and IDLs? SDs, PDSs, and MSA if required?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1109061	Data Report: ALD11026M	Methods: CCP-TP-182 & CCP-TP-183

Analysis Date(s)	Data Generator	ITR Review Date	ITR Signature Release	ITR Release Date
09/22/2011	**Duane S. Lundholm**	10/11/11	(Jeffrey S. Laug)	10/12/2011

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Initial Calibration	///	///	///	///
a. Was the initial calibration performed using a minimum of 1 standard and a blank?	✓			
2. Initial Calibration Verification (ICV)	///	///	///	///
a. Was an ICV analyzed after the initial calibration and prior to analysis of any samples?	✓			
b. Are the recoveries for each reported analyte in the ICV between 90% and 110%?	✓			
c. Is the ICV standard from a different source than the initial calibration standards?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Was the CCV solution analyzed (as ICV) prior to the analysis of samples?	✓			
b. Is the percent recovery of each reported analyte between 90% and 110%?	✓			
c. Was a compliant CCV analyzed for reported analytes at the completion of the analytical run?	✓			
d. Were every 10 samples bracketed by compliant CCVs or ICV/CCV pair for reported analytes?	✓			
4. Low Level Concentration Check Standard (LLC)	///	///	///	///
a. Was the LLC solution analyzed prior to the analysis of samples?	✓			
b. Is the percent recovery of each reported analyte between 80% and 120%?	✓			
5. Blanks	///	///	///	///
a. Was at least one laboratory blank digested and analyzed with the analytical batch?	✓			
b. Are the laboratory blank results ≤ 3×PRDL for all reported analytes?	✓			
c. Was an ICB analyzed immediately after the ICV?	✓			
d. Was a CCB analyzed immediately after each CCV?	✓			
e. Are each of the ICB and CCB results ≤ the PRDL for all reported analytes?	✓			
6. Laboratory Control Samples (LCS)	///	///	///	///
a. Was at least one LCS digested and analyzed with the analytical batch?	✓			
b. Is %R for all reported analytes between 80% and 120% for aqueous LCSs, or within manufacturer or statistical control limits for solid LCSs?	✓			
7. Matrix Spikes (MS) and Matrix Spike Duplicates (MSD)	///	///	///	///
a. Were a MS and a MSD performed on at least one field sample from the analytical batch?	✓			
b. Is the MS/MSD RPD ≤ 30 for all analytes?	✓			
c. Is %R between 80% to 120% for all analytes in the MS and MSD?		✓		MSD for thallium = 78.7%. Sample thallium data reported with 'J' qualifier. See narrative.

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1109061	Data Report: ALD11026M	Methods: CCP-TP-182 & CCP-TP-183

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
8. Background Correction and Interference Check Samples	///	///	///	///
a. Was background correction used during the analysis and applied correctly?	✓			
b. Were the interfering elements monitored during the analysis and interelement correction factors correctly applied where necessary?	✓			
c. Were the ICSA and ICSAB solutions analyzed within prescribed limits at both the beginning and end of the analytical run, or twice per 8 hour shift, whichever is more frequent?	✓			
9. Samples [Including MS, MSD, Post Digestion Spike (PDS) and Serial Dilution (SD)]	///	///	///	///
a. Were all samples having analytes detected in amounts exceeding the Documented Linear Range reanalyzed with a dilution?			✓	
b. Was at least one serial dilution analysis per matrix performed in the analytical batch?	✓			
c. For all analytes > 50x IDL in the initial sample, are serial dilution results ≤ 10 %D of initial value?		✓		%Difference for nickel was 12.4%. Sample ND data reported with 'J' qualifier
d. Was at least one post-digestion spike (PDS) analysis performed in the analytical batch if MS, MSD, or SD failed (see 7c and 9c)?	✓			
e. If a PDS was analyzed, was the PDS recovery within the required range of 75% to 125%?	✓			
f. Are any corrective actions taken during the analysis documented in the raw data?	✓			
10. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples prepared and analyzed (including dilutions) within 180 days of collection?	✓			
11. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and IDLs performed within the last 6 months?	✓			
12. Supporting Data Package Completeness	///	///	///	///
a. Are all instrument and computer system printouts present and accurate for every reported standard, sample and QC sample?	✓			
b. Are copies of preparation log books for all digested samples and QC samples present and accurate?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working and intermediate standards used?	✓			
d. Are all raw data initialed/signed by the operator in permanent black ink?	✓			
e. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
13. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-182 or CCP-TP-183 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1109061	Data Report: ALD11026M	Methods: CCP-TP-182 & CCP-TP-183

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, H and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for MS/MSD %R and RPD, LCSs, ICB/CCB/LBs, ICV/CCVs, LLCs, ICSA/ICSABs, SDs, linear range, and IDLs? PDSs as required?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD11026S	**Analysis Date: 9/29/2011 & 10/4/2011**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			See AMWTP Off-site Waste Shipment for cross correlation to SRS container IDs.
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: INL ID SRS ID 10416056 MDL0504556 10416064 MDL0506692 10416057 MDL504586B 10416058 MDL0506675 10416066 MDL0506656
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**	X			
7. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-21-11

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Are the holding times between extraction and analysis within the 40-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**	X			
15. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-6**	X			
16. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-6**	X			
17. Are the %Rs for all MS compounds within the acceptance range? **Reference Source: CCP-PO-001, Table C3-7**		X		2 sets of MS samples, pentachlorophenol passed in one MS, all others failed. All 3 compounds "Z" flagged in samples.
18. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-7**	X			
19. Are the %Rs for all MSD compounds within the acceptance range? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-6**		X		2 sets of MSDs, all failed, all "Z" flagged.
20. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-6**		X		Both sets of RPDs failed. Narrative states failures due to sample matrix, lab blanks and LCS are satisfactory.

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
21. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			CP:11:01671
22. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	None above PRQL

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**	X			
24. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-7**	X			
25. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-7**	X			
26. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-7**	X			Except p-Terphenyl-d_{14} for lab ID 1DH86 and re-extract. Low also for MS and MSD samples along with 2-Fluorobiphenyl for a MS sample. "Z" flagged.
27. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-7**	X			
28. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-7**	X			
29. Are the %RSDs for all other compounds ≤ 15%? **Reference Source: CCP-PO-001, Table C3-7**	X			Except 2,4-Dinitrophenol

BDR Number: ALD11026S	Analysis Date: 9/29/2011 & 10/4/2011			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
30. Are the relative response factors (RRFs) for all target analytes System Performance Check Compounds (SPCCs) ≥ 0.05? **Reference Source: CCP-PO-001, Table C3-7 and SW 846**	X			
31. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-7**	X			
32. When an alternative curve is used, is the $r^2 \geq 0.990$? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**	X			2,4-Dinitrophenol r^2 0.9920

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026S			Analysis Date: 9/29/2011 & 10/4/2011	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
33. If %RSD is greater than 15, is regression equation generated and used? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**	X			2,4-Dinitrophenol
34. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-7**	X			
35. Were the decafluorotriphenylphosphine (DFTPP) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**	X			
36. Is the DFTPP Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-7**	X			
37. Is DFTPP tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**	X			
38. Were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**	X			
39. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**	X			
40. Are the %Ds for the continuing calibration less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-7**	X			
41. Is the RT for the continuing calibration internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-7**	X			
42. Is the continuing calibration internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-7**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD11026N	Analysis Date: Sept 12, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			See AMWTP Offsite Waste Shipment report for cross correlation to SRS container ID.
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: INL ID SRS ID 10416056 MDL0504556 10416064 MDL0506692 10416057 MDL504586B 10416058 MDL0506675 10416066 MDL0506656
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**	X			NCR-ALD-3191-11 batch, refrigerator exceeded temperature limit after analyses of samples. No impact to data, Use As Is.
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and analysis within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-21-11

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026N	Analysis Date: Sept 12, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
14. Do the %Rs for all LCS analytes meet the 60-150 %R requirements? **Reference Source: CCP-PO-001, Table C3-4**	X			
15. Is a minimum of one matrix spike/matrix spike duplicate (MS/MSD) pair analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**	X			
16. Do the %Rs for all MS and MSD analytes meet the 60-150 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-4**	X			
17. Do the MS/MSD RPDs for all analytes meet the $\leq$ 50 requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
18. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			CP:11:01671
19. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	None above PRQL
20. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: CCP-PO-001, SW-846 8015**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026N	Analysis Date: Sept 12, 2011			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
21. Are the results of the trip blank ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, SW-846 8015**	X			
22. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
23. Are all lab blank compounds ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**	X			
24. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**	X			
25. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-5**	X			
26. Is the GC/FID three-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**	X			
27. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**	X			
28. Is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
29. Is the CCV %D ≤ 15% for all compounds? **Reference Source: CCP-PO-001, Table C3-5**	X			
30. Are the retention times (RTs) for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**	X			
31. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026N				**Analysis Date: Sept 12, 2011**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
32. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
33. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
34. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
35. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
36. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			NOTE: NCR-ALD-3191-11 written after all samples were analyzed.
37. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
38. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-6**	X			
39. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**	X			
40. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**	X			
41. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
42. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD11026N				**Analysis Date: Sept 12, 2011**
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
43. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			
Comments: SPM-1 for cross reference				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantu			10/20/2011
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Offsite Waste Shipment

Date: 17-Oct-2011

Time: 13:18

Shipping No. SRIN110002 **Manifest No.** 001078308gbf

Proposed Shipment Date 27-JUL-11 **Manifest Receipt Date** 29-JUL-11

Repsonsible Project SRS **# of Containers** 13

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
MDL0502414	10416054	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502419	10416047	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0502428	10416055	425	SR-253		SR-MD-HOM-C	08/02/2011	No	
MDL0504556	10416056	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506007	10416065	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506103	10416063	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506656	10416066	425	SR-842		SR-MD-SOIL	08/02/2011	Yes	08/11/11
MDL0506675	10416058	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL0506692	10416064	425	SR-842		SR-MD-SOIL	08/02/2011	No	
MDL504586B	10416057	425	SR-842		SR-MD-SOIL	08/02/2011	No	
SRSB0151			-				No	
SRSB0152			-				No	
SRSB0153			-				No	

***** End of Offsite Waste Shipment Report *****

SPM-1
Date 10/20/11

TOTAL NHVOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-186-R1
Analytical Method: CCP-TP-186-R1

Data Report Number: ALD11026N
Analytical Batch ID: 1109061

Field Sample ID	Lab Sample ID
NA	LBN091211
NA	LCSN1109061
10420100	1DH85
10420105	1DH87
10420303	1DH88
10420308	1DH90
10420487	1DH91
10420504	1DH93
10420494	1DH94
10420495MS	1DH94MS
10420496MSD	1DH94MSD
10420507	1DH96
10420565	1DH97
10420570	1DH99
10420688	1DJ01
10420728	1DJ03

Section 2

Sample Custody and Tracking Documents

ALD LOG #
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 09:59
COC No.: 0000508
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416056	SR-842	10420099	31-Aug-2011	15:35	20 / ml	2.93 / gms	PVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420100	31-Aug-2011	15:37	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416056	SR-842	10420101	31-Aug-2011	15:39	20 / ml	2.79 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416056	SR-842	10420102	31-Aug-2011	15:41	20 / ml	2.71 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416056	SR-842	10420103	31-Aug-2011	15:45	125 / ml	36.96 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416056	SR-842	10420104	31-Aug-2011	15:58	20 / ml	2.77 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416056	SR-842	10420105	31-Aug-2011	15:59	20 / ml	2.83 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416056	SR-842	10420106	31-Aug-2011	16:00	20 / ml	2.98 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1005	BOL# AMWTP000647 Seal # 077483
Received By	LONNEY NATE	Lonney Nate	09/06/11 1005	HAND Delivered Lonney Nate 9/6/11 11:45
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 Date 9-6-11 12:10	
Received By	Bill Strong		9-06-11 11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

0035

ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:06
COC No.: 0000509
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416064	SR-842	10420302	01-Sep-2011	15:39	20 / ml	2.98 / gms	PVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420303	01-Sep-2011	15:40	20 / ml	2.94 / gms	NHVOC	Jesse Howard		
SSC11-00008	10416064	SR-842	10420304	01-Sep-2011	15:41	20 / ml	2.89 / gms	SPARE	Jesse Howard	SPARE 1	
SSC11-00008	10416064	SR-842	10420305	01-Sep-2011	15:42	20 / ml	2.70 / gms	SPARE	Jesse Howard	SPARE 2	
SSC11-00008	10416064	SR-842	10420306	01-Sep-2011	15:46	125 / ml	39.29 / gms	SVOC, METALS	Jesse Howard		
SSC11-00008	10416064	SR-842	10420307	01-Sep-2011	15:50	20 / ml	2.71 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 1	
SSC11-00008	10416064	SR-842	10420308	01-Sep-2011	15:50	20 / ml	2.76 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 2	
SSC11-00008	10416064	SR-842	10420309	01-Sep-2011	15:51	20 / ml	2.95 / gms	TRIP BLANK	Jesse Howard	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Jesse Howard	Jesse Howard	09/06/11 @ 1015	BOL# AMWTP000647 Seal# 077651
Received By	LONNEY NATE	Lonney Nate	09/06/11 1015	HAND DELIVERED Lonney Nate 9/6/11 11:53
Relinquished By	LONNEY NATE	Lonney Nate	09/06/11 1810 (DNA 9-6-11)	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0006

COPY OF IN-PROCESS RECORD

ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:11
COC No.: 0000510
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420486	03-Sep-2011	08:13	20 / ml	2.96 / gms	PVOC	Abel Escobar	PVOC	
SSC11-00008	10416057	SR-842	10420487	03-Sep-2011	08:15	20 / ml	2.71 / gms	NHVOC	Abel Escobar	NHVOC	
SSC11-00008	10416057	SR-842	10420488	03-Sep-2011	08:17	20 / ml	2.74 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420489	03-Sep-2011	08:18	20 / ml	3.00 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420490	03-Sep-2011	08:21	125 / ml	39.45 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420503	03-Sep-2011	11:43	20 / ml	2.68 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420504	03-Sep-2011	11:45	20 / ml	2.51 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420505	03-Sep-2011	11:47	20 / ml	2.61 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:23:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:23:46	
Relinquished By	Angel Aguinaga		9/6/11 10:27	BOL # AMWTP000647 Seal # 077644
Received By	Lonney Nate	Lonney Nate	9/6/11 10:27	Hand Delivered Lonny Nate 9/6/11 1135
Relinquished By	Lonney Nate	Lonney Nate	9/6/11 Email 9-6-11 13:10	
Received By	Bill Strong		9-06-11 11 12:15	
Relinquished By				
Received By				
Relinquished By				
Received By				

0007

COPY OF IN-PROCESS RECORD

ALD LOG # 1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:27
COC No.: 0000511
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416057	SR-842	10420491	03-Sep-2011	08:37	20 / ml	2.67 / gms	PVOC	Abel Escobar	PVOC 1	
SSC11-00008	10416057	SR-842	10420492	03-Sep-2011	08:39	20 / ml	2.99 / gms	PVOC	Abel Escobar	PVOC 2	
SSC11-00008	10416057	SR-842	10420493	03-Sep-2011	08:41	20 / ml	2.75 / gms	PVOC	Abel Escobar	PVOC 3	
SSC11-00008	10416057	SR-842	10420494	03-Sep-2011	08:43	20 / ml	2.53 / gms	NHVOC	Abel Escobar	NHVOC 1	
SSC11-00008	10416057	SR-842	10420495	03-Sep-2011	08:44	20 / ml	2.98 / gms	NHVOC	Abel Escobar	NHVOC 2	
SSC11-00008	10416057	SR-842	10420496	03-Sep-2011	08:45	20 / ml	2.75 / gms	NHVOC	Abel Escobar	NHVOC 3	
SSC11-00008	10416057	SR-842	10420497	03-Sep-2011	08:46	20 / ml	2.62 / gms	SPARE	Abel Escobar	SPARE 1	
SSC11-00008	10416057	SR-842	10420498	03-Sep-2011	08:47	20 / ml	2.72 / gms	SPARE	Abel Escobar	SPARE 2	
SSC11-00008	10416057	SR-842	10420499	03-Sep-2011	08:48	125 / ml	39.85 / gms	SVOC, METALS	Abel Escobar	SVOC METALS	
SSC11-00008	10416057	SR-842	10420506	03-Sep-2011	11:50	20 / ml	2.73 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 1	
SSC11-00008	10416057	SR-842	10420507	03-Sep-2011	11:52	20 / ml	2.87 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 2	
SSC11-00008	10416057	SR-842	10420508	03-Sep-2011	11:54	20 / ml	2.95 / gms	TRIP BLANK	Abel Escobar	TRIP BLANK 3	

All samples are preserved by cooling to 4 +/-2 degrees C

8000

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Abel Escobar	Electronically signed in WTS	05-SEP-11 15:21:46	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:21:46	
Relinquished By	Angel Aguinaga		9/6/11 10:43	BOL# AMWTP000647 Seal# 077682
Received By	Lonney Nate	Lonny Nate	9/6/11 10:43	Hand Delivered Lonny Nate 9/6/11 11:40
Relinquished By	Lonney Nate	Lonny Nate	9/6/11 Starts 9-6-11 12:10	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

ALD Document: Log 1109061 CCP_SRS_MD.tif - Scanned:9/8/2011 7:38:02 AM

AMWTP

1109061

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:43
COC No.: 0000512
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416058	SR-842	10420564	04-Sep-2011	10:35	20 / ml	2.69 / gms	PVOC	Michael Kremin	pvoc	
SSC11-00008	10416058	SR-842	10420565	04-Sep-2011	10:38	20 / ml	2.85 / gms	NHVOC	Michael Kremin	nhvoc	
SSC11-00008	10416058	SR-842	10420566	04-Sep-2011	10:41	20 / ml	2.84 / gms	SPARE	Michael Kremin	spare 1	
SSC11-00008	10416058	SR-842	10420567	04-Sep-2011	10:43	20 / ml	2.97 / gms	SPARE	Michael Kremin	spare 2	
SSC11-00008	10416058	SR-842	10420568	04-Sep-2011	10:50	125 / ml	39.90 / gms	SVOC, METALS	Michael Kremin	svoc metals	
SSC11-00008	10416058	SR-842	10420569	04-Sep-2011	11:03	20 / ml	2.86 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSC11-00008	10416058	SR-842	10420570	04-Sep-2011	11:16	20 / ml	2.60 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSC11-00008	10416058	SR-842	10420571	04-Sep-2011	11:21	20 / ml	2.75 / gms	TRIP BLANK	Michael Kremin	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	06-SEP-11 15:27:28	
Received By	Angel Aguinaga	Electronically signed in WTS	06-SEP-11 15:27:28	
Relinquished By	Angel Aguinaga		9/6/11 10:57	BOL# AMWTP000647 SEAL# 077636
Received By	LONNEY NATE	Lonny Nate	9/6/11 10:57	HAND DeLivered Lonny Nate 9/6/11 11:50
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 12:10 Mate 9-6-11	
Received By	Bill Strong		9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

6000

COPY OF IN-PROCESS RECORD

ALD Log
1109061

AMWTP

Chain Of Custody

Print Date: 06-Sep-2011
Print Time: 10:56
COC No.: 0000513
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSC11-00008	10416066	SR-842	10420687	05-Sep-2011	10:42	20 / ml	2.58 / gms	PVOC	Nicholas Ingle	pvoc	
SSC11-00008	10416066	SR-842	10420688	05-Sep-2011	10:44	20 / ml	2.90 / gms	NHVOC	Nicholas Ingle	nhvoc	
SSC11-00008	10416066	SR-842	10420689	05-Sep-2011	10:46	20 / ml	2.95 / gms	SPARE	Nicholas Ingle	spare 1	
SSC11-00008	10416066	SR-842	10420690	05-Sep-2011	10:48	20 / ml	2.90 / gms	SPARE	Nicholas Ingle	spare 2	
SSC11-00008	10416066	SR-842	10420691	05-Sep-2011	10:51	125 / ml	38.10 / gms	SVOC, METALS	Nicholas Ingle	svoc metals	
SSC11-00008	10416066	SR-842	10420720	05-Sep-2011	13:26	20 / ml	2.80 / gms	TRIP BLANK	Nicholas Ingle	trip blank 1	
SSC11-00008	10416066	SR-842	10420728	05-Sep-2011	13:28	20 / ml	2.92 / gms	TRIP BLANK	Nicholas Ingle	trip blank 2	
SSC11-00008	10416066	SR-842	10420735	05-Sep-2011	13:30	20 / ml	2.74 / gms	TRIP BLANK	Nicholas Ingle	trip blank 3	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Nicholas Ingle	Electronically signed in WTS	05-SEP-11 15:17:06	
Received By	Angel Aguinaga	Electronically signed in WTS	05-SEP-11 15:17:06	
Relinquished By	Angel Aguinaga	[signature]	9/6/11 11:08	BOL# AMWTP000647 SEAL# 077642
Received By	LONNEY NATE	Lonny Nate	9/6/11 11:08	HAND DELIVERED Lonny Nate 9/6/11 11:54
Relinquished By	LONNEY NATE	Lonny Nate	9/6/11 Each 9-6-11 12:10	
Received By	Bill Strong	[signature]	9-06-11 1215	
Relinquished By				
Received By				
Relinquished By				
Received By				

0010

COPY OF IN-PROCESS RECORD

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10420303	Lab File ID:	SN103719
Sampling Batch No:	SSC11-00008	Lab Sample ID:	1DH88
Date Sampled:	9/1/2011	Data Report Number:	ALD11026N
Date Extracted:	09/12/2011	Analytical Batch ID:	1109061
Extraction Holding Time:	11 days		
Date/Time Analyzed:	09/12/2011 17:49	Instrument ID:	GC-1
Analysis Holding Time:	<1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	2.1	U
71-36-3	Butanol	1.1	U
67-56-1	Methanol	1.1	U
78-93-3	Methyl ethyl ketone	1.1	U
60-29-7	Ethyl ether	1.1	U
78-83-1	Isobutanol	2.1	U
110-86-1	Pyridine	1.1	U

* = Column B value used

TOTAL NHVOC ANALYSIS
SURROGATE RECOVERY FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-186-R1

Analytical Method: CCP-TP-186-R1

Data Report Number: ALD11026N

Analytical Batch No: 1109061

Instrument ID: GC-1

Matrix: SOLID

	LAB SAMPLE ID	Isopropanol-d8 %R COLUMN A	Isopropanol-d8 %R COLUMN B	TOTAL OUT
1	LBN091211	97	97	0
2	LCSN1109061	100	100	0
3	1DH85	90	90	0
4	1DH87	99	99	0
5	1DH88	83	82	0
6	1DH90	99	98	0
7	1DH91	94	94	0
8	1DH93	101	100	0
9	1DH94	97	96	0
10	1DH94MS	99	100	0
11	1DH94MSD	96	97	0
12	1DH96	99	98	0
13	1DH97	93	93	0
14	1DH99	100	99	0
15	1DJ01	92	91	0
16	1DJ03	99	99	0

%R Acceptance Criteria 46 - 146

Z = Values does not meet acceptance criteria

D = Surrogate Diluted out

TOTAL NHVOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method:	CCP-TP-186-R1			Data Report Number:	ALD11026N
Analytical Method:	CCP-TP-186-R1			Analytical Batch ID:	1109061
Instrument ID:	GC-1			Sample Matrix:	SOLID
Lab Sample ID:	1DH94	MS Lab Sample ID:	1DH94MS	MSD Lab Sample ID:	1DH94MSD
Field Sample ID:	10420494	MS Field Sample ID	10420495MS	MSD Field Sample ID:	10420496MSD
Lab File ID:	SN103723	MS Lab File ID:	SN103724	MSD Lab File ID:	SN103725
Date Analyzed:	09/12/2011	MS Date Analyzed:	09/12/2011	MSD Date Analyzed:	09/12/2011

COLUMN A ID: DB-624

TARGET ANALYTE	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)		SPIKED SAMPLE CONCENTRATION (mg/kg)	MS % RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
Acetone	100.671	2.51	U	95.68	95	60 - 150
Butanol	100.671	1.26	U	90.11	90	60 - 150
Methanol	100.671	1.26	U	100.69	100	60 - 150
Methyl ethyl ketone	100.671	1.26	U	99.81	99	60 - 150
Ethyl ether	100.671	1.26	U	89.91	89	60 - 150
Isobutanol	100.671	2.51	U	90.97	90	60 - 150
Pyridine	100.671	1.26	U	94.70	94	60 - 150

TARGET ANALYTE	SPIKE ADDED (mg/kg)	DUPLICATE SAMPLE CONCENTRATION (mg/kg)	%RPD	MSD % RECOVERY	ACCEPTANCE CRITERIA RPD
Acetone	109.091	99.79	3.8	91	≤ 50
Butanol	109.091	95.14	2.6	87	≤ 50
Methanol	109.091	105.52	3.4	97	≤ 50
Methyl ethyl ketone	109.091	104.02	3.9	95	≤ 50
Ethyl ether	109.091	90.08	7.8	83	≤ 50
Isobutanol	109.091	96.97	1.7	89	≤ 50
Pyridine	109.091	95.98	6.7	88	≤ 50

Z = Values outside of QC limits

RPD: 0 out of 7 outside acceptance criteria
Spike Recovery: 0 out of 14 outside acceptance criteria

TOTAL NHVOC ANALYSIS
BLANK FORM

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	09/12/2011 15:40	Lab Sample ID:	LBN091211
Preparation Method:	CCP-TP-186-R1	Lab File ID:	BN103715
Analytical Method:	CCP-TP-186-R1	Data Report Number:	ALD11026N
		Analytical Batch ID:	1109061
		Instrument ID:	GC-1
		Sample Matrix:	SOLID

Column A ID: DB-624

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
67-64-1	Acetone	2.1	U
71-36-3	Butanol	1.0	U
67-56-1	Methanol	1.0	U
78-93-3	Methyl ethyl ketone	1.0	U
60-29-7	Ethyl ether	1.0	U
78-83-1	Isobutanol	2.1	U
110-86-1	Pyridine	1.0	U

Column B ID: DB-1

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
67-64-1	Acetone	1.0	U
71-36-3	Butanol	2.1	U
67-56-1	Methanol	2.1	U
78-93-3	Methyl ethyl ketone	1.0	U
60-29-7	Ethyl ether	2.1	U
78-83-1	Isobutanol	2.1	U
110-86-1	Pyridine	1.0	U

Acceptance Criteria: $\leq$ 3MDL

TOTAL NHVOC ANALYSIS
LABORATORY BLANK SUMMARY

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	09/12/2011 15:40	Lab Sample ID:	LBN091211
Preparation Method:	CCP-TP-186-R1	Lab File ID:	BN103715
Analytical Method:	CCP-TP-186-R1	Data Report Number:	ALD11026N
		Analytical Batch ID:	1109061
		Instrument ID:	GC-1
		Sample Matrix:	SOLID

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	LCSN1109061	LN103716	9/12/2011	16:13
10420100	1DH85	SN103717	9/12/2011	16:45
10420105	1DH87	SN103718	9/12/2011	17:17
10420303	1DH88	SN103719	9/12/2011	17:49
10420308	1DH90	SN103720	9/12/2011	18:21
10420487	1DH91	SN103721	9/12/2011	18:54
10420504	1DH93	SN103722	9/12/2011	19:26
10420494	1DH94	SN103723	9/12/2011	19:58
10420495MS	1DH94MS	SN103724	9/12/2011	20:29
10420496MSD	1DH94MSD	SN103725	9/12/2011	21:01
10420507	1DH96	SN103726	9/12/2011	21:33
10420565	1DH97	SN103727	9/12/2011	22:05
10420570	1DH99	SN103728	9/12/2011	22:36
10420688	1DJ01	SN103729	9/12/2011	23:08
10420728	1DJ03	SN103730	9/12/2011	23:40

TOTAL NHVOC ANALYSIS
LABORATORY CONTROL SAMPLE FORM

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Date/Time Analyzed:	09/12/2011 16:13	Lab File ID:	LN103716
Preparation Method:	CCP-TP-186-R1	Lab Sample ID:	LCSN1109061
Analytical Method:	CCP-TP-186-R1	Data Report Number:	ALD11026N
		Analytical Batch ID:	1109061
		Instrument ID:	GC-1
		Sample Matrix:	SOLID

TARGET ANALYTE	KNOWN CONCENTRATION (mg/kg)	MEASURED CONCENTRATION (mg/kg)	%RECOVERY
Acetone	100.00	96.839	97
Butanol	100.00	91.478	91
Methanol	100.00	102.098	102
Methyl ethyl ketone	100.00	100.994	101
Ethyl ether	100.00	90.867	91
Isobutanol	100.00	89.391	89
Pyridine	100.00	95.220	95

Acceptance Criteria: 60 - 150
Z = Value outside Acceptance Criteria

Section 5

Instrument QC Data

TOTAL NHVOC ANALYSIS
Initial Calibration Data

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Analytical Method: CCP-TP-186-R1

Data Report Number: ALD11026N

Analytical Batch ID: 1109061

ICAL ID: IN110003

Instrument ID: GC-1

GC Column A: ID: DB-624

ICAL Std Conc (ug/mL)	5	15	75	125	200			
TARGET ANALYTE	IN103587 12/14/2010 RT	IN103588 12/14/2010 RT	IN103589 12/14/2010 RT	IN103590 12/14/2010 RT	IN103591 12/14/2010 RT	RT WINDOW (min) FROM	TO	CORRELATION COEFFICIENT (r)
Isopropanol-d8	4.423	4.421	4.419	4.415	4.416	4.190	4.817	1.000
Acetone	4.192	4.189	4.187	4.183	4.184	3.930	4.567	1.000
Butanol	8.987	8.984	8.984	8.982	8.983	8.789	9.353	1.000
Methanol	2.522	2.519	2.517	2.514	2.515	2.346	2.761	1.000
Methyl ethyl ketone	6.944	6.943	6.941	6.939	6.940	6.710	7.322	1.000
Ethyl ether	3.698	3.696	3.695	3.690	3.691	3.434	4.043	1.000
Isobutanol	8.094	8.092	8.091	8.088	8.090	7.891	8.466	1.000
Pyridine	10.590	10.584	10.578	10.576	10.577	10.393	10.984	1.000

GC Column B: ID: DB-1

ICAL Std Conc (ug/mL)	5	15	75	125	200			
TARGET ANALYTE	IN103587 12/14/2010 RT	IN103588 12/14/2010 RT	IN103589 12/14/2010 RT	IN103590 12/14/2010 RT	IN103591 12/14/2010 RT	RT WINDOW (min) FROM	TO	CORRELATION COEFFICIENT (r)
Isopropanol-d8	3.228	3.226	3.224	3.220	3.223	2.922	3.458	1.000
Acetone	3.084	3.082	3.080	3.076	3.078	2.780	3.294	1.000
Butanol	7.577	7.576	7.574	7.571	7.573	7.257	7.857	1.000
Methanol	2.050	2.048	2.046	2.043	2.045	1.838	2.178	1.000
Methyl ethyl ketone	5.546	5.544	5.542	5.538	5.540	5.187	5.831	1.000
Ethyl ether	3.606	3.605	3.605	3.599	3.602	3.247	3.842	1.000
Isobutanol	6.637	6.636	6.635	6.632	6.634	6.303	6.921	1.000
Pyridine	9.438	9.431	9.423	9.420	9.420	9.156	9.773	1.000

Acceptance Criteria: $r \geq 0.990$
Retention Time within RT Window

Z = Value outside Acceptance Criteria
! = Mean Retention Time outside RT Window

TOTAL NHVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	09/12/2011 15:08	Lab Sample ID:	CCN091211A
Analytical Method:	CCP-TP-186-R1	Lab File ID:	CN103714
		Data Report Number:	ALD11026N
		Analytical Batch ID:	1109061
Initial Calibration Date:	12/14/2010	Instrument ID:	GC-1

Column A ID: DB-624

TARGET ANALYTE	RETENTION TIME (min)	RT WINDOW (min) FROM	RT WINDOW (min) TO	MEASURED CONCENTRATION (ug/mL)	KNOWN CONCENTRATION (ug/mL)	%D
Isopropanol-d8	4.449	4.190	4.817	70.349	75	6.20
Acetone	4.217	3.930	4.567	69.879	75	6.83
Butanol	9.019	8.789	9.353	70.315	75	6.25
Methanol	2.532	2.346	2.761	70.094	75	6.54
Methyl ethyl ketone	6.976	6.710	7.322	69.691	75	7.08
Ethyl ether	3.722	3.434	4.043	67.073	75	10.57
Isobutanol	8.128	7.891	8.466	66.948	75	10.74
Pyridine	10.616	10.393	10.984	70.647	75	5.80

Column B ID: DB-1

TARGET ANALYTE	RETENTION TIME (min)	RT WINDOW (min) FROM	RT WINDOW (min) TO	MEASURED CONCENTRATION (ug/mL)	KNOWN CONCENTRATION (ug/mL)	%D
Isopropanol-d8	3.247	2.922	3.458	70.562	75	5.92
Acetone	3.101	2.780	3.294	69.852	75	6.86
Butanol	7.611	7.257	7.857	70.461	75	6.05
Methanol	2.058	1.838	2.178	70.457	75	6.06
Methyl ethyl ketone	5.575	5.187	5.831	69.526	75	7.30
Ethyl ether	3.630	3.247	3.842	66.705	75	11.06
Isobutanol	6.671	6.303	6.921	69.255	75	7.66
Pyridine	9.462	9.156	9.773	69.743	75	7.01

Acceptance Criteria: %D $\leq$ 15%
Retention Times within RT Window

Z = %D > 15%
! = Retention Time outside RT Window

TOTAL NHVOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 09/13/2011 00:12
Analytical Method: CCP-TP-186-R1

Initial Calibration Date: 12/14/2010

Lab Sample ID: CCN091211B
Lab File ID: CN103731
Data Report Number: ALD11026N
Analytical Batch ID: 1109061
Instrument ID: GC-1

Column A ID: DB-624

TARGET ANALYTE	RETENTION TIME (min)	RT WINDOW (min) FROM	RT WINDOW (min) TO	MEASURED CONCENTRATION (ug/mL)	KNOWN CONCENTRATION (ug/mL)	%D
Isopropanol-d8	4.458	4.135	4.763	71.497	75	4.67
Acetone	4.226	3.899	4.535	70.433	75	6.09
Butanol	9.028	8.737	9.301	67.825	75	9.57
Methanol	2.537	2.324	2.740	70.661	75	5.79
Methyl ethyl ketone	6.985	6.670	7.282	70.413	75	6.12
Ethyl ether	3.730	3.418	4.026	67.978	75	9.36
Isobutanol	8.135	7.841	8.415	66.201	75	11.73
Pyridine	10.626	10.321	10.911	70.959	75	5.39

Column B ID: DB-1

TARGET ANALYTE	RETENTION TIME (min)	RT WINDOW (min) FROM	RT WINDOW (min) TO	MEASURED CONCENTRATION (ug/mL)	KNOWN CONCENTRATION (ug/mL)	%D
Isopropanol-d8	3.254	2.979	3.515	71.623	75	4.50
Acetone	3.108	2.844	3.358	70.590	75	5.88
Butanol	7.620	7.311	7.911	70.999	75	5.33
Methanol	2.063	1.888	2.228	71.246	75	5.01
Methyl ethyl ketone	5.585	5.253	5.897	70.287	75	6.28
Ethyl ether	3.638	3.332	3.928	67.820	75	9.57
Isobutanol	6.681	6.362	6.980	70.744	75	5.68
Pyridine	9.473	9.153	9.771	70.203	75	6.40

Acceptance Criteria: %D $\leq$ 15%
Retention Times within RT Window

Z = %D > 15%
! = Retention Time outside RT Window

TOTAL NHVOC ANALYSIS
MDL REPORTING FORM

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method: CCP-TP-186-R1
Analysis Method: CCP-TP-186-R1
MDL Determination Date: 05/24/2011

Instrument ID: GC-1
Sample Matrix: SOLID

COLUMN A ID: DB-624

TARGET ANALYTE	REPORTED MDL (mg/kg)	PROGRAM REQUIRED MDL (mg/kg)	PRQL (mg/kg)
Isopropanol-d8	1.0	10	100
Acetone	2.0	10	100
Butanol	1.0	10	100
Methanol	1.0	10	100
Methyl ethyl ketone	1.0	10	100
Ethyl ether	1.0	10	100
Isobutanol	2.0	10	100
Pyridine	1.0	10	100

COLUMN B ID: DB-1

TARGET ANALYTE	REPORTED MDL (mg/kg)	Program Required MDL (mg/kg)	PRQL (mg/kg)
Isopropanol-d8	1.0	10	100
Acetone	1.0	10	100
Butanol	2.0	10	100
Methanol	2.0	10	100
Methyl ethyl ketone	1.0	10	100
Ethyl ether	2.0	10	100
Isobutanol	2.0	10	100
Pyridine	1.0	10	100

SOLIDS: MDLs calculated assuming 3.00 gram sample and 22mL extraction volume

TOTAL NHVOC ANALYSIS
METHOD PRECISION AND ACCURACY (P&A) DEMONSTRATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Method P&A Effective Date: 05/24/2011
Data Report Number: ALD11026N
Analytical Batch ID: 1109061
Preparation Method: CCP-TP-186-R1
Analytical Method: CCP-TP-186-R1
Instrument ID: GC-1

TARGET ANALYTE	Number of Method Performance Samples	Accuracy		Precision	
		Mean %R	Acceptance Limits (%R)	%RSD	Acceptance Limits (%RSD)
Acetone	7	91.3	60–150	1.3	≤50
Butanol	7	96.8	60–150	1.3	≤50
Methanol	7	97.0	60–150	1.3	≤50
Methyl ethyl ketone	7	95.2	60–150	1.3	≤50
Ethyl ether	7	87.9	60–150	1.7	≤50
Isobutanol	7	97.7	60–150	1.3	≤50
Pyridine	7	90.6	60–150	1.3	≤50

[a]D = Detected; result must be greater than zero
Z = Did not meet acceptance criteria

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total NHVOCs in Homogenous Solids and Soil/Gravel by GC/FID

Analytical Batch: 1109061	Data Report: ALD11026N	Method: CCP-TP-186

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Release Signature	ITR Release Date
09-12-11 to 09-13-11	Bill Strong	10/5/11		10/10/11

Requirement	Yes	No	N/A	Comments (Entries are required ONLY if "No" is checked)
1. Retention Time (RT) Windows	///	///	///	///
a. Have all RT windows used with this analytical batch been verified and approved for use as documented by a completed RT Window Determination and Initial Calibration Independent Technical Review Checklist?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed RT Window Determination and Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Were CCV standards analyzed at the beginning of each 12-hour analytical shift (before analysis of samples), and at the end of the shift (after sample analysis and within 12 hours of the beginning CCV)?	✓			
b. Are all target analyte peaks within the initial RT windows for the beginning CCV?	✓			
c. Are all target analyte peaks within the daily RT (centered around beginning CCV RTs) windows for the ending CCV?	✓			
d. Are the measured concentration %D ≤15 for each target analyte on both analytical columns for the beginning and ending CCVs?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are all detected target analytes identified on both the quantitation and confirmation column with peaks within the daily RT windows and in concentrations ≥MDL?	✓			
b. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			✓	
c. Do all surrogate compound recoveries meet CCP-TP-186 acceptance criteria?	✓			
d. Are all analytes showing discrepancies (interferences) between columns quantitated per CCP-TP-186?	✓			
e. Are analyte retention time windows checked for multiple peaks falling within the RT windows?	✓			
f. Have peak baselines been checked for correct integration?	✓			
g. Were the correct quantitation routines used for each column?	✓			
h. Are peak areas proportionally consistent with those of the CCV?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Was a blank (laboratory or method) analyzed daily prior to the analysis of samples?	✓			
c. Are all blank results ≤3 x program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the calibration standards?	✓			
c. Does the LCS contain all of the NHVOC target analytes?	✓			
d. Are the percent recoveries for each target analyte in each LCS between 60% and 150%?	✓			

0045

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total NHVOCs in Homogenous Solids and Soil/Gravel by GC/FID

Analytical Batch: 1109061	Data Report: ALD11026N	Method: CCP-TP-186

Requirement	Yes	No	N/A	Comments (Entries are required ONLY if "No" is checked)
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Are all percent recoveries for the MS and MSD between 60% and 150%?	✓			
d. Are all RPDs between the MS and MSD ≤50?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples and associated extracts stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples (including dilutions and reanalyses) analyzed within 14 days of collection?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed (in permanent black ink) and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and analysis run log books for the analytical batch included in the supporting data package?	✓			
c Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-186 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			
b. Are copies of any NCRs associated with the data included?	✓			See narrative NCR-ALD-3191-11
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, D, E, H, and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, LCSs, ICALs, CCVs, MDLs and Analyte Identification?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

0046

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

BDR Number: ssg12-00007 **Sampling Date:** 11-2, 11-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) have a BDR Table of Contents? **Reference Source: CCP Technical Procedures**	X			
2. Does the BDR contain the sampling BDR number, BDR date, and facility name? **Reference Source: CCP-PO-001, Table C3-12**	X			
3. Does the BDR contain the identification number(s) and container numbers for the waste packages represented in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Are there 20 or less field samples per sampling batch? **Reference Source: CCP-PO-001, C3-10**	X			
5. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR
6. Are the chain-of-custody (COC) forms and appropriate data sheets for each waste package included in this BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
7. Does the BDR contain the sampling ID numbers and location (physical location within the container)? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Does the waste package BDR contain the sampling date and time? **Reference Source: CCP-PO-001, Table C3-12**	X			
9. Does the waste package BDR contain the sampler's signature? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample matrix and type identified within the sampling BDR? **Reference Source: CCP-PO-001, Table C1-2**	X			
11. Does the BDR identify the sample number and size? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssg12-00007	**Sampling Date:** 11-2, 11-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Does the BDR identify the correct Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Is there a minimum of one co-located core/sample (or field duplicate) collected per sample batch or one per week during sampling operation, and is a description of the collected core included in the BDR? **Reference Source: CCP-PO-001, C3-3**	X			
14. Is there a minimum of one equipment blank for coring tools collected per equipment cleaning batch when sampling with compactor/coring unit? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
15. Is there a minimum of one equipment blank for coring tools cleaned when sampling with single coring unit? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
16. Is there a minimum of one equipment blank for liners collected per equipment cleaning batch? **Reference Source: CCP-PO-001, C1-2b**			X	Grab Sampling
17. Are samples preserved by keeping them at a temperature of 4°C, $\pm$ 2° C? **Reference Source: CCP-PO-001, Table C1-4**	X			
18. Were proper procedures, including revision number, used and referenced in BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
19. Were samples collected within 14 days, and is a time given between coring and sub-sampling? **Reference Source: CCP-PO-001, Table C3-12**			X	Grab Sampling
20. Were the samples transferred to the lab within the maximum holding times? **Reference Source: CCP-PO-001, Table C1-4**	X			
21. Are sampling equipment numbers (lot number for disposable equipment) included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssq12-00007	**Sampling Date:** 11-2, 11-4-2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. Are field records present in the BDR? Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
23. Is the location (point of origin) where each sample was taken included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
24. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
25. Does the BDR include a record of analysis requested and the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
26. Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
27. Is the depth of waste included for each waste container? **Reference Source: CCP-PO-001, Table C3-12**			X	Grab Sampling
28. Are the calculations of core recovery included in the BDR? NA if the sampling is not a core. **Reference Source: CCP-PO-001, Table C3-12**			X	

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: ssq12-00007 **Sampling Date:** 11-2, 11-4-2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
29. Is the co-located core/sample description included in the BDR? **Reference Source: CCP-PO-001 Table C3-12**	X			
Comments: NA				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		12-26-2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

RECORD
CMC 12/17/2012

SSG12-00007
BATCH DATA REPORT

Report Date: November 15, 2012.

Narrative:

This report provides test results and documentation for the Solid Sampling examination of the following container using INST-OI-75:

10461597.

This was a one drum batch. There were five Initial samples and one Field Duplicate sample.

No Solid Sampling Nonconformance Reports are associated with this Batch Data Report.

Position	Signature	Date
AMWTP Site Project Manager		11/19/12

660001

CCP RECORDS ORIGINAL
DATE REC'D 12.18.12

Table of Contents
SSG12-00007

Contents
Batch Narrative
Table of Contents
Offsite Waste Shipment Report
Batch Report Cover Sheet
Core Sample Analysis Reports
Chain(s) of Custody
Refrigerator Temperature Logsheet (Form-1585) and/or Characterization Round Sheet (Form-1602)
Analytical Balance Calibration Check Sheet (Form-1215)
Solid Waste Sampling Checklist(s) (Form-1599)
Independent Technical Reviewer Small Container Sampling Checklist(s) (Form-1858)
Site Project Manager Small Container Sampling Checklist(s) (Form-1859)
Batch Data Report Supplemental Comment Form (Form-1491)

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Date: 15-Oct-2012

Time: 06:23

Offsite Waste Shipment

SSG12-00007

WDS-12-12-12

Shipping No. SRIN12002		**Manifest No.** 001077697GBF	
Proposed Shipment Date 20-SEP-12		**Manifest Receipt Date** 23-SEP-12	
Repsonsible Project SRS		**# of Containers** 5	

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
BC0151	10461598	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	Yes	10/01/12
BC0166	10461596	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	No	
SR500174	10461597	425	SR-260	CORE	SR-W027-321M-HOM	09/23/2012	No	
SRSB01270			-				No	
SRSB01271			-				No	

***** End of Offsite Waste Shipment Report *****

000003

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

Batch Type Solid Sampling Grab

Batch Report No. SSG12-00007

Batch Id SSG12-00007

Open Date 02-NOV-12 09:02:55

Close Date 05-NOV-12 16:42:41

Batch Status CLOSED

Test Facility Idaho AMWTP

Equipment Id Z-250-801 634-Coring

Container Id	IDC	Analysis Id	Date Examined	QC Type	Analysis Status	Operator
10461597	SR-260	691	02-NOV-12 13:04:47	Original	P	MICHAEL KREMIN
10461597	SR-260	692	02-NOV-12 13:04:34	Replicate / Duplicate	P	MICHAEL KREMIN
10461597	SR-260	693	04-NOV-12 10:47:00	Original	P	DAVEY SUMNERS
10461597	SR-260	694	04-NOV-12 12:31:00	Original	P	DAVEY SUMNERS
10461597	SR-260	695	04-NOV-12 13:22:00	Original	P	DAVEY SUMNERS
10461597	SR-260	696	04-NOV-12 14:21:00	Original	P	DAVEY SUMNERS

660004

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

S S G 1 2 - 0 0 0 0 7

GS12-12-12

**********Batch Comments**********

Written By	Date	Comment
DSUMNERS	05-NOV-12 16:42:42	closed per direction.
DSUMNERS	05-NOV-12 16:42:42	WMF-634, Coring Room S3114

000005

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Date: 05-Nov-2012

Time: 16:45

Batch Report Coversheet

SSG12-00007

WS 12-12-12

**********Batch E-Signature History**********

Approval ID	User ID	Signature Date	Comment
2385005	DSUMNERS	05-NOV-2012 16:42:42	closed per direction.

***** End of Batch Report Coversheet Report *****

AMWTP

Advanced Mixed Waste Treatment Project

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Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:45

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 691
Event Date 02-NOV-12 13:04:47
Taken By MICHAEL KREMIN
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 1

Matrix Physical Description S3114 dark brown in color granular in texture moist
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381488	MKREMIN	02-NOV-2012 13:04:38	
2381489	MKREMIN	02-NOV-2012 13:13:04	

Grab Sample

Event ID 691
Sample Date 02-NOV-12 13:09:40
Taken By MICHAEL KREMIN
Sample Requested PVOC
Randomly Selected Quadrant 3
Grab Sample Comment

Sample ID 10467818
Weight 2.79 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Quadrant Sampled 3
Quadrant Comment

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 Ml. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381577	MKREMIN	02-NOV-2012 15:01:59	
2381699	MKREMIN	02-NOV-2012 16:23:08	

660007

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:45

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 | Sample ID 10467820 | Weight 2.75 gms

Sample Date 02-NOV-12 13:13:33 | Volume 20 ml.

Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested NHVOC

Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381492	MKREMIN	02-NOV-2012 13:18:57	

Grab Sample

Event ID 691 | Sample ID 10467836 | Weight 12.35 gms

Sample Date 02-NOV-12 13:15:20 | Volume 20 ml.

Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested NHVOC

Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment
hydrazine

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381495	MKREMIN	02-NOV-2012 13:22:12	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:46

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 | Sample ID 10467837 | Weight 12.21 gms
Sample Date 02-NOV-12 13:19:44 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment: formaldehyde
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381496	MKREMIN	02-NOV-2012 13:24:18	
2381700	MKREMIN	02-NOV-2012 16:23:38	

Grab Sample

Event ID 691 | Sample ID 10467839 | Weight 2.98 gms
Sample Date 02-NOV-12 13:21:13 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment: spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381497	MKREMIN	02-NOV-2012 13:26:14	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:46

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 Sample ID 10467840 Weight 2.93 gms
Sample Date 02-NOV-12 13:23:08 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 Quadrant Sampled 3 Quadrant Comment
Grab Sample Comment
spare 2
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381502	MKREMIN	02-NOV-2012 13:28:04	

Grab Sample

Event ID 691 Sample ID 10467841 Weight 36.52 gms
Sample Date 02-NOV-12 13:28:39 Volume 125 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 3 Quadrant Sampled 3 Quadrant Comment
Grab Sample Comment
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	PC0125-0015	110606	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381503	MKREMIN	02-NOV-2012 13:29:36	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 | Sample ID 10467854 | Weight 2.80 gms
Sample Date 02-NOV-12 14:06:22 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: trip blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381552	MKREMIN	02-NOV-2012 14:26:40	

Grab Sample

Event ID 691 | Sample ID 10467855 | Weight 2.94 gms
Sample Date 02-NOV-12 14:08:51 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: trip blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381554	MKREMIN	02-NOV-2012 14:27:41	

AMWTP
Advanced Mixed Waste Treatment Project

Small Container Sample Batch Data Report

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 | Sample ID 10467856 | Weight 2.65 gms
Sample Date 02-NOV-12 14:09:00 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: trip blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381555	MKREMIN	02-NOV-2012 14:29:12	

Grab Sample

Event ID 691 | Sample ID 10467857 | Weight 12.30 gms
Sample Date 02-NOV-12 14:11:34 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: trip blank hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381556	MKREMIN	02-NOV-2012 14:30:47	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 691 **Sample ID** 10467858 **Weight** 12.12 gms

Sample Date 02-NOV-12 14:13:04 **Volume** 20 ml.

Taken By MICHAEL KREMIN **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant **Quadrant Sampled** 0 **Quadrant Comment**

Grab Sample Comment
trip blank formaldahyde

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381558	MKREMIN	02-NOV-2012 14:34:01	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 692
Event Date 02-NOV-12 13:04:34
Taken By MICHAEL KREMIN
Sample Type Field Duplicate

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 1

Matrix Physical Description S3114 dark brown in color granular in texture moist
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381510	MKREMIN	02-NOV-2012 13:36:21	

Grab Sample

Event ID 692
Sample Date 02-NOV-12 13:29:22
Taken By MICHAEL KREMIN
Sample Requested PVOC

Sample ID 10467843
Weight 2.74 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
pvoc 1

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381515	MKREMIN	02-NOV-2012 13:39:01	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:47

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467844 | Weight 2.78 gms
Sample Date 02-NOV-12 13:30:46 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested PVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
pvoc 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381516	MKREMIN	02-NOV-2012 13:40:53	

Grab Sample

Event ID 692 | Sample ID 10467845 | Weight 2.76 gms
Sample Date 02-NOV-12 13:31:21 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested PVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
pvoc 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381517	MKREMIN	02-NOV-2012 13:42:07	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467846 | Weight 2.69 gms
Sample Date 02-NOV-12 13:32:34 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
nhvoc 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381519	MKREMIN	02-NOV-2012 13:43:37	

Grab Sample

Event ID 692 | Sample ID 10467847 | Weight 2.84 gms
Sample Date 02-NOV-12 13:33:48 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
nhvoc 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381520	MKREMIN	02-NOV-2012 13:44:51	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467848 | Weight 2.71 gms
Sample Date 02-NOV-12 13:34:15 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
nhvoc 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381521	MKREMIN	02-NOV-2012 13:46:13	

Grab Sample

Event ID 692 | Sample ID 10467849 | Weight 12.18 gms
Sample Date 02-NOV-12 13:36:52 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
hydrozine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381522	MKREMIN	02-NOV-2012 13:48:02	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467850 | Weight 12.32 gms
Sample Date 02-NOV-12 13:38:33 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
formaldahyde
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381523	MKREMIN	02-NOV-2012 13:49:38	

Grab Sample

Event ID 692 | Sample ID 10467851 | Weight 2.87 gms
Sample Date 02-NOV-12 13:39:05 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381524	MKREMIN	02-NOV-2012 13:51:02	
2381698	MKREMIN	02-NOV-2012 16:22:10	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:48

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 | Sample ID 10467852 | Weight 2.88 gms
Sample Date 02-NOV-12 13:40:15 | Volume 20 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381526	MKREMIN	02-NOV-2012 13:52:13	

Grab Sample

Event ID 692 | Sample ID 10467853 | Weight 38.50 gms
Sample Date 02-NOV-12 13:43:30 | Volume 125 ml.
Taken By MICHAEL KREMIN | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	PC0125-0015	110606	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381529	MKREMIN	02-NOV-2012 13:53:48	

AMWTP
Advanced Mixed Waste Treatment Project

Small Container Sample Batch Data Report

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 Sample ID 10467859 Weight 2.63 gms
Sample Date 02-NOV-12 14:16:09 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
trip blank 1
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381564	MKREMIN	02-NOV-2012 14:39:55	

Grab Sample

Event ID 692 Sample ID 10467860 Weight 2.68 gms
Sample Date 02-NOV-12 14:18:21 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
trip blank 2
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381565	MKREMIN	02-NOV-2012 14:41:05	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 Sample ID 10467861 Weight 2.77 gms

Sample Date 02-NOV-12 14:20:21 Volume 20 ml.

Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
trip blank 3

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381566	MKREMIN	02-NOV-2012 14:42:04	

Grab Sample

Event ID 692 Sample ID 10467862 Weight 12.28 gms

Sample Date 02-NOV-12 14:22:18 Volume 20 ml.

Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
trip blank hydrozine

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381567	MKREMIN	02-NOV-2012 14:43:14	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 692 Sample ID 10467863 Weight 12.33 gms
Sample Date 02-NOV-12 14:23:30 Volume 20 ml.
Taken By MICHAEL KREMIN Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
trip blank formaldahyde
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2381568	MKREMIN	02-NOV-2012 14:44:26	
2381574	MKREMIN	02-NOV-2012 14:54:41	S3114 dark brown in color granular in texture moist

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 693
Event Date 04-NOV-12 10:47:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75
Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 3

Matrix Physical Description S-3114, Light gray, granular, dry
Package Comment

Cancel Date | By | Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382956	DSUMNERS	04-NOV-2012 10:48:06	saving data
2383036	DSUMNERS	04-NOV-2012 13:18:32	saving data

Grab Sample

Event ID 693
Sample Date 04-NOV-12 10:50:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468120
Weight 2.95 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 2
Quadrant Sampled 2
Quadrant Comment

Grab Sample Comment
initial # 2 PVOC

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382965	DSUMNERS	04-NOV-2012 11:18:32	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468121 | Weight 2.95 gms
Sample Date 04-NOV-12 10:52:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment: initial#2 NHVOC
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382967	DSUMNERS	04-NOV-2012 11:22:02	saving data

Grab Sample

Event ID 693 | Sample ID 10468122 | Weight 12.17 gms
Sample Date 04-NOV-12 11:18:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment: initial #2 NHVOC-Hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382969	DSUMNERS	04-NOV-2012 11:40:56	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:49

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468123 | Weight 12.23 gms
Sample Date 04-NOV-12 11:20:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial #2 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382972	DSUMNERS	04-NOV-2012 11:47:00	saving data

Grab Sample

Event ID 693 | Sample ID 10468124 | Weight 2.73 gms
Sample Date 04-NOV-12 11:22:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
initial#2 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382973	DSUMNERS	04-NOV-2012 11:48:54	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468125 | Weight 2.98 gms
Sample Date 04-NOV-12 11:23:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment: initial#2 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2382977	DSUMNERS	04-NOV-2012 11:50:27	saving data	

Grab Sample

Event ID 693 | Sample ID 10468126 | Weight 35.80 gms
Sample Date 04-NOV-12 11:27:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment
Grab Sample Comment: initial#2 SVOC/Metals
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	P091005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2382978	DSUMNERS	04-NOV-2012 11:52:53	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468165 | Weight 2.93 gms
Sample Date 04-NOV-12 18:04:59 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383242	DSUMNERS	04-NOV-2012 18:06:47	saving data

Grab Sample

Event ID 693 | Sample ID 10468166 | Weight 2.74 gms
Sample Date 04-NOV-12 18:07:03 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383243	DSUMNERS	04-NOV-2012 18:07:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 | Sample ID 10468167 | Weight 2.73 gms
Sample Date 04-NOV-12 18:08:05 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383244	DSUMNERS	04-NOV-2012 18:08:54	saving data

Grab Sample

Event ID 693 | Sample ID 10468168 | Weight 12.47 gms
Sample Date 04-NOV-12 18:09:16 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 4
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383245	DSUMNERS	04-NOV-2012 18:10:02	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:50

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 693 Sample ID 10468169 Weight 12.35 gms

Sample Date 04-NOV-12 18:10:19 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383246	DSUMNERS	04-NOV-2012 18:11:03	saving data
2383267	DSUMNERS	04-NOV-2012 18:42:08	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 694
Event Date 04-NOV-12 12:31:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 5

Matrix Physical Description S3114, dark gray, granular, dry.
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382989	DSUMNERS	04-NOV-2012 12:31:58	saving data
2383039	DSUMNERS	04-NOV-2012 13:20:00	saving data

Grab Sample

Event ID 694
Sample Date 04-NOV-12 12:34:00
Taken By DAVEY SUMNERS
Sample Requested PVOC
Randomly Selected Quadrant 4
Quadrant Sampled 4
Grab Sample Comment
initial sample#3 PVOC

Sample ID 10468128
Weight 2.85 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y
Quadrant Comment

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2382991	DSUMNERS	04-NOV-2012 12:35:36	saving data
2383265	DSUMNERS	04-NOV-2012 18:38:47	saving data

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AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51
SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468129 | Weight 2.98 gms
Sample Date 04-NOV-12 12:36:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: initial sample#3 NHVOC
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	1D031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2382996	DSUMNERS	04-NOV-2012 12:43:07	saving data	

Grab Sample

Event ID 694 | Sample ID 10468130 | Weight 12.40 gms
Sample Date 04-NOV-12 12:39:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment
Grab Sample Comment: initial sample#3 NHVOC-Hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	1D031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date		Comment
2382997	DSUMNERS	04-NOV-2012 12:46:37	saving data	

SUPERSEDED
GG 11:30 A 12.18.12
~~GJA071~~ WS 12-12-12

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 14-Nov-2012

Time: 18:02

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 **Sample ID** 10468129 **Weight** 2.98 gms

Sample Date 04-NOV-12 12:36:00 **Volume** 20 ml.

Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y

Sample Requested NHVOC

Randomly Selected Quadrant **Quadrant Sampled** 4

Quadrant Comment
Rework: WTS prevented entering Randomly Selected Quadrant (4) in field due to previous incorrect selection of Trip Blank for sample requested field which was corrected with Rework. cb / ps 11/14/12.

Grab Sample Comment
initial sample#3 NHVOC. Rework : Corrected sample requested to NHVOC and quadrant Sampled to 4. cb 11/14/12

Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382996	DSUMNERS	04-NOV-2012 12:43:07	saving data
2394665	CBEEBE	14-NOV-2012 16:08:09	saving data.
2394669	PSWASSING	14-NOV-2012 16:08:11	initial sample#3 NHVOC. Rework : Corrected sample requested to NHVOC and quadrant Sampled to 4. cb / ps11/14/12
2394848	CBEEBE	14-NOV-2012 17:54:01	Entered Grab Sample comment. 11/14/12 cb
2394849	PSWASSING	14-NOV-2012 17:54:02	Entered Grab Sample comment. 11/14/12 ps

Core 0.31

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 **Sample ID** 10468130 **Weight** 12.40 gms
Sample Date 04-NOV-12 12:39:00 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested NHVOC
Quadrant Comment
Randomly Selected Quadrant 4 **Quadrant Sampled** 4
Grab Sample Comment
initial sample#3 NHVOC-Hydrazine
Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2382997	DSUMNERS	04-NOV-2012 12:46:37	saving data

Grab Sample

Event ID 694 **Sample ID** 10468131 **Weight** 12.27 gms
Sample Date 04-NOV-12 12:42:00 **Volume** 20 ml.
Taken By DAVEY SUMNERS **Custody Seal Attached** Y **Preserved to 4 Degrees C** Y
Sample Requested NHVOC
Quadrant Comment
Randomly Selected Quadrant 4 **Quadrant Sampled** 4
Grab Sample Comment
initial sample#3 NHVOC-Formaldehyde
Cancel Date **By** **Reason**

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383001	DSUMNERS	04-NOV-2012 12:50:14	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468131 | Weight 12.27 gms
Sample Date 04-NOV-12 12:42:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: initial sample#3 NHVOC-Formaldehyde
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383001	DSUMNERS	04-NOV-2012 12:50:14	saving data	

Grab Sample

Event ID 694 | Sample ID 10468132 | Weight 2.81 gms
Sample Date 04-NOV-12 12:43:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: Initial sample#3 Spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383002	DSUMNERS	04-NOV-2012 12:52:02	saving data	

SUPERSEDED

CC00032 A R 12.18.12

~~CC00033~~ WS 12-12-12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468132 | Weight 2.81 gms
Sample Date 04-NOV-12 12:43:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: Initial sample#3 Spare 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383002	DSUMNERS	04-NOV-2012 12:52:02	saving data

Grab Sample

Event ID 694 | Sample ID 10468133 | Weight 2.68 gms
Sample Date 04-NOV-12 12:44:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: Initial sample#3 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383004	DSUMNERS	04-NOV-2012 12:56:35	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample — SUPERSEDED

Event ID 694 | Sample ID 10468133 | Weight 2.68 gms
Sample Date 04-NOV-12 12:44:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: Initial sample#3 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383004	DSUMNERS	04-NOV-2012 12:56:35 saving data	

Grab Sample

Event ID 694 | Sample ID 10468134 | Weight 35.98 gms
Sample Date 04-NOV-12 12:48:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS | Quadrant Comment
Randomly Selected Quadrant 4 | Quadrant Sampled 4
Grab Sample Comment: Initial sample#3 SVOC/Metals
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383008	DSUMNERS	04-NOV-2012 12:59:19 saving data	

SUPERSEDED

GW0332 AR 12.18.12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468134 | Weight 35.98 gms
Sample Date 04-NOV-12 12:48:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 4 | Quadrant Sampled 4 | Quadrant Comment

Grab Sample Comment
Initial sample#3 SVOC/Metals

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383008	DSUMNERS	04-NOV-2012 12:59:19	saving data

Grab Sample

Event ID 694 | Sample ID 10468170 | Weight 2.65 gms
Sample Date 04-NOV-12 18:13:22 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment

Grab Sample Comment
Trip Blank 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383247	DSUMNERS	04-NOV-2012 18:14:16	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51
SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468170 | Weight 2.65 gms
Sample Date 04-NOV-12 18:13:22 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK | Quadrant Comment
Randomly Selected Quadrant | Quadrant Sampled 0
Grab Sample Comment: Trip Blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383247	DSUMNERS	04-NOV-2012 18:14:16	saving data

Grab Sample

Event ID 694 | Sample ID 10468171 | Weight 2.84 gms
Sample Date 04-NOV-12 18:14:26 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK | Quadrant Comment
Randomly Selected Quadrant | Quadrant Sampled 0
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383248	DSUMNERS	04-NOV-2012 18:15:09	saving data

SUPERSEDED

GW0034A R 12.18.12

WS 12-12-12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468171 | Weight 2.84 gms
Sample Date 04-NOV-12 18:14:26 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK | Quadrant Comment
Randomly Selected Quadrant | Quadrant Sampled 0
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383248	DSUMNERS	04-NOV-2012 18:15:09	saving data

Grab Sample

Event ID 694 | Sample ID 10468172 | Weight 2.64 gms
Sample Date 04-NOV-12 18:15:22 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK | Quadrant Comment
Randomly Selected Quadrant | Quadrant Sampled 0
Grab Sample Comment: Trip Blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383249	DSUMNERS	04-NOV-2012 18:16:11	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:51
SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 Sample ID 10468172 Weight 2.64 gms
Sample Date 04-NOV-12 18:15:22 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 3
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383249	DSUMNERS	04-NOV-2012 18:16:11	saving data

Grab Sample

Event ID 694 Sample ID 10468173 Weight 12.31 gms
Sample Date 04-NOV-12 18:16:30 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 4
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383250	DSUMNERS	04-NOV-2012 18:18:07	saving data

SUPERSEDED

GW10.35 A 12.18.12

~~GW10.35~~ WS 12-12-12

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 14-Nov-2012
Time: 18:03

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 | Sample ID 10468173 | Weight 12.31 gms
Sample Date 04-NOV-12 18:16:30 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 4
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383250	DSUMNERS	04-NOV-2012 18:18:07	saving data

Grab Sample

Event ID 694 | Sample ID 10468174 | Weight 12.35 gms
Sample Date 04-NOV-12 18:18:25 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 5
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383251	DSUMNERS	04-NOV-2012 18:19:18	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

SUPERSEDED

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 694 Sample ID 10468174 Weight 12.35 gms

Sample Date 04-NOV-12 18:18:25 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383251	DSUMNERS	04-NOV-2012 18:19:18	saving data

SUPERSEDED

000036 A 12.18.12

~~Con't~~ WS 12-12-12

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 695
Event Date 04-NOV-12 13:22:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 2

Matrix Physical Description S3114. Waste is dark brown, granular and moist, oily.
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383043	DSUMNERS	04-NOV-2012 13:24:06	saving data
2383574	DSUMNERS	05-NOV-2012 07:08:57	saving data

Grab Sample

Event ID 695
Sample Date 04-NOV-12 13:27:00
Taken By DAVEY SUMNERS
Sample Requested PVOC
Randomly Selected Quadrant 2

Sample ID 10468136
Quadrant Sampled 2

Weight 2.72 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Quadrant Comment

Grab Sample Comment
Initial sample#4 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383046	DSUMNERS	04-NOV-2012 13:27:58	saving data
2383264	DSUMNERS	04-NOV-2012 18:37:04	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 Sample ID 10468137 Weight 2.79 gms
Sample Date 04-NOV-12 13.29:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 Quadrant Sampled 2 Quadrant Comment
Grab Sample Comment
Initial sample#4 NHVOC
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383048	DSUMNERS	04-NOV-2012 13:29:55	saving data

Grab Sample

Event ID 695 Sample ID 10468138 Weight 12.49 gms
Sample Date 04-NOV-12 13:33:00 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 Quadrant Sampled 2 Quadrant Comment
Grab Sample Comment
Initial sample#4 NHVOC-Hydrazine
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383054	DSUMNERS	04-NOV-2012 13:33:46	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 | Sample ID 10468143 | Weight 12.25 gms
Sample Date 04-NOV-12 13:35:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383057	DSUMNERS	04-NOV-2012 13:36:11	saving data

Grab Sample

Event ID 695 | Sample ID 10468144 | Weight 2.80 gms
Sample Date 04-NOV-12 13:37:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383058	DSUMNERS	04-NOV-2012 13:38:00	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:52

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 | Sample ID 10468150 | Weight 2.96 gms

Sample Date 04-NOV-12 13:39:00 | Volume 20 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SPARE

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 Spare 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383059	DSUMNERS	04-NOV-2012 13:40:11	saving data

Grab Sample

Event ID 695 | Sample ID 10468152 | Weight 36.21 gms

Sample Date 04-NOV-12 13:43:00 | Volume 125 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested SVOC, METALS

Randomly Selected Quadrant 2 | Quadrant Sampled 2 | Quadrant Comment

Grab Sample Comment
Initial sample#4 SVOC/Metals

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

Esignature

Esig Approval ID	User ID	E-Signature Date	Comment
2383061	DSUMNERS	04-NOV-2012 13:43:50	saving data

AMWTP
Advanced Mixed Waste Treatment Project

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Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 | Sample ID 10468175 | Weight 2.56 gms
Sample Date 04-NOV-12 18:20:29 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 1
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383252	DSUMNERS	04-NOV-2012 18:21:19	saving data	

Grab Sample

Event ID 695 | Sample ID 10468176 | Weight 2.73 gms
Sample Date 04-NOV-12 18:21:29 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383253	DSUMNERS	04-NOV-2012 18:22:13	saving data	

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 Sample ID 10468177 Weight 2.80 gms
Sample Date 04-NOV-12 18:22:33 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 3
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383254	DSUMNERS	04-NOV-2012 18:23:18	saving data

Grab Sample

Event ID 695 Sample ID 10468178 Weight 12.33 gms
Sample Date 04-NOV-12 18:23:33 Volume 20 ml.
Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment
Grab Sample Comment
Trip Blank 4
Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383255	DSUMNERS	04-NOV-2012 18:24:12	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 695 Sample ID 10468179 Weight 12.39 gms

Sample Date 04-NOV-12 18:24:26 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383256	DSUMNERS	04-NOV-2012 18:25:09	saving data

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Package Sampled

Event ID 696
Event Date 04-NOV-12 14:21:00
Taken By DAVEY SUMNERS
Sample Type Initial Grab Sample

Equipment Procedure ID INST-OI-75 Procedure Revision ID 11

Equipment Used

Serial Number	Part Type

No. of Packages in Container 6
Random Package Selected for Sample 6

Matrix Physical Description S3114. Dark brown, granular. dry
Package Comment

Cancel Date By Reason

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383081	DSUMNERS	04-NOV-2012 14:22:42	saving data

Grab Sample

Event ID 696
Sample Date 04-NOV-12 14:24:00
Taken By DAVEY SUMNERS
Sample Requested PVOC

Sample ID 10468158
Weight 2.96 gms
Volume 20 ml.
Custody Seal Attached Y
Preserved to 4 Degrees C Y

Randomly Selected Quadrant 3
Quadrant Sampled 3
Quadrant Comment

Grab Sample Comment
Initial sample#5 PVOC

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	5326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383085	DSUMNERS	04-NOV-2012 14:25:57	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468159 | Weight 2.68 gms
Sample Date 04-NOV-12 14:26:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 NHVOC
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383090	DSUMNERS	04-NOV-2012 14:27:34	saving data	

Grab Sample

Event ID 696 | Sample ID 10468160 | Weight 12.22 gms
Sample Date 04-NOV-12 14:28:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 NHVOC-Hydrazine
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383092	DSUMNERS	04-NOV-2012 14:29:25	saving data	
2383097	DSUMNERS	04-NOV-2012 14:33:05	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:53

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468161 | Weight 12.30 gms
Sample Date 04-NOV-12 14:30:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested NHVOC
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment
Initial sample#5 NHVOC-Formaldehyde

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383095	DSUMNERS	04-NOV-2012 14:31:48	saving data

Grab Sample

Event ID 696 | Sample ID 10468162 | Weight 2.79 gms
Sample Date 04-NOV-12 14:32:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment

Grab Sample Comment
Initial sample#5 Spare 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383098	DSUMNERS	04-NOV-2012 14:35:17	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468163 | Weight 2.75 gms
Sample Date 04-NOV-12 14:33:00 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SPARE
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 Spare 2
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383099	DSUMNERS	04-NOV-2012 14:36:48	saving data	

Grab Sample

Event ID 696 | Sample ID 10468164 | Weight 38.80 gms
Sample Date 04-NOV-12 14:38:00 | Volume 125 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested SVOC, METALS
Randomly Selected Quadrant 3 | Quadrant Sampled 3 | Quadrant Comment
Grab Sample Comment
Initial sample#5 SVOC/Metals
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
11x17 Grid Pan	92268369	061912-01	12-1025	1205354-01
125 ML (4 oz) Vial	V-99535-41	121506	06-2180	
Spatula	3693	J009387	ID031-1088	05_12320
Weigh Boat	C-01017-15	PO91005 PANS	ID031-0940	05 12319

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383101	DSUMNERS	04-NOV-2012 14:39:42	saving data	

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012

Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468180 | Weight 2.68 gms

Sample Date 04-NOV-12 18:26:09 | Volume 20 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment

Grab Sample Comment
trip Blank 1

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383257	DSUMNERS	04-NOV-2012 18:26:59	saving data	

Grab Sample

Event ID 696 | Sample ID 10468181 | Weight 2.92 gms

Sample Date 04-NOV-12 18:27:13 | Volume 20 ml.

Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment

Grab Sample Comment
Trip Blank 2

Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date		Comment
2383259	DSUMNERS	04-NOV-2012 18:28:02	saving data	

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:54

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 | Sample ID 10468182 | Weight 2.60 gms
Sample Date 04-NOV-12 18:28:18 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 3
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383260	DSUMNERS	04-NOV-2012 18:29:02	saving data

Grab Sample

Event ID 696 | Sample ID 10468183 | Weight 12.30 gms
Sample Date 04-NOV-12 18:29:23 | Volume 20 ml.
Taken By DAVEY SUMNERS | Custody Seal Attached Y | Preserved to 4 Degrees C Y
Sample Requested TRIP BLANK
Randomly Selected Quadrant | Quadrant Sampled 0 | Quadrant Comment
Grab Sample Comment: Trip Blank 4
Cancel Date | By | Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383261	DSUMNERS	04-NOV-2012 18:30:22	saving data

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP
Small Container Sample Batch Data Report

Date: 05-Nov-2012
Time: 16:55

Batch ID	Container	IDC	Waste Matrix Code	Container Type
SSG12-00007	10461597	SR-260	S3114	425

Grab Sample

Event ID 696 Sample ID 10468184 Weight 12.32 gms

Sample Date 04-NOV-12 18:30:36 Volume 20 ml.

Taken By DAVEY SUMNERS Custody Seal Attached Y Preserved to 4 Degrees C Y

Sample Requested TRIP BLANK

Randomly Selected Quadrant Quadrant Sampled 0 Quadrant Comment

Grab Sample Comment
Trip Blank 5

Cancel Date By Reason

Disposable Sampling Equipment

Type	Part #	Lot	PO	LAB ID
20 ML. Vial	S326-0020	051342	12-1246	
Spatula	3693	J009387	ID031-1088	05_12320

----------Esignature----------

Esig Approval ID	User ID	E-Signature Date	Comment
2383262	DSUMNERS	04-NOV-2012 18:31:19	saving data
2383263	DSUMNERS	04-NOV-2012 18:35:09	saving data

******End of Core Analysis Report******

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	[signature]	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FGE of parent drum used to transfer samples to lab. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 1 TID# 585262 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Page 1 of 1

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

G00051

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 1 of 2

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners		11/05/12 1033	
Received By	David J. Preston		11/05/12 1033	

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Page 1 of 2

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ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On site Tranfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

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600053

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1050	
Received By	David J. Preston	David J. Preston	11/05/12 1050	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1051	FGE at pavent drum used for transfer of samples. On Site Transfer. David Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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Page 1 of 1

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NHVOC	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1055	
Received By	David J. Preston	David J. Preston	11/05/12 1055	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1056	FGE of parent drum used for transfer of samples. On Site Transfer David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1103	
Received By	David J. Preston	David J Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer.
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 5 TID #585257 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Page 1 of 1

0000580

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581
Page 1 of 1

Shipping Location: AMWTP **Analytical Location:** Analytical Chemistry Lab **Sampling Location:** WMF-634 Coring Glove Box **Sample Matrix:** Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1113	
Received By	David J. Preston	David J Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Page 1 of 1

CCP0057

AMWTP
Advanced Mixed Waste Treatment Project

Refrigerator Temperature Logsheet

Form-1585 Rev. 2
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Operator	Date	Time	Current Temperature	High Temperature Since Last Reading	Low Temperature Since Last Reading	Comments
Nick Ink	8/30/12	0832	4.2°c	4.3°c	3.8°c	~~No Samples~~ No Samples in Fridge
Marciel Trejo	8/30/12	1727	4.0°c	4.2°c	3.8°c	Samples in Fridge
Corley Beebe	08/31/12	0800	3.4°c	4.2°c	3.3°c	Samples in Fridge
Mike Kremin	08/31/12	1830	4.2°c	4.2°c	3.3°c	Samples In Fridge
DAVE SUMMERS	09/01/12	1000	4.1°c	4.2°c	3.6°c	Samples in Refrig
DAVE SUMMERS	09/01/12	1830	4.2°c	4.3°c	4.0°c	Samples in Refrig
DAVE SUMMERS	09/02/12	0715	4.1°c	4.3°c	3.9°c	Samples in Refrig
Corley Beebe	09/02/12	1830	4.1°c	4.2°c	3.8°c	Samples in Fridge.
DAVE SUMMERS	09/03/12	0700	4.1°c	4.4°c	4.0°c	Samples in Refrig
DAVE SUMMERS	09/03/12	1830	4.5°c	4.5°c	4.0°c	Samples in Refrig
PAUL SANTSING	10/04/12	0700	3.9°c	4.1°c	3.7°c	NO SAMPLES IN FRIDGE
DAVE SUMMERS	10/05/12	0710	3.9°c	4.1°c	3.8°c	NO Samples in Refrig
PAUL SANTSING	10/09/12	1830	3.6°c	4.0°c	3.5°c	SAMPLES IN FRIDGE
Abel Escobar	10/06/12	0800	3.8°c	3.9°c	3.7°c	Samples in fridge
mike Kremin	10/06/12	1820	4.1	4.1°c	3.4°c	SAMPLES IN Fridge
Marciel Trejo	10/07/12	0700	3.7°c	3.8°c	3.6°c	Samples In Fridge
Abel Escobar	10/07/12	1818	3.6°c	3.9°c	3.5°c	Samples in fridge
Abel Escobar	10/08/12	0728	3.7°c	3.7°c	3.6°c	Samples in fridge
mike Kremin	10/08/12	1815	3.6°c	3.8°c	3.2°c	SAMPLES In Fridge
Abel Escobar	10/09/12	0715	4.0°c	4.0°c	3.4°c	Samples in fridge
Marciel Trejo	10/09/12	~~1740~~ MT 10/9/12	3.6°c	3.6°c	3.5°c	Samples in Fridge
DAVE SUMMERS	10/10/12	0800	3.8°c	3.9°c	3.6°c	Samples IN Refrig
Mike Kremin	11/02/12	0736	3.9°c	4.1°c	3.8°c	No Samples In Refrig
mike Kremin	11/02/12	1815	4.1°c	4.1°c	3.5°c	SAMPLES IN Refrigerator
DAVE SUMMERS	11/03/12	0915	3.7°c	3.9°c	3.6°c	Samples in Refrig
DAVE SUMMERS	11/03/12	1830	3.9°c	4.2°c	3.7°c	Samples in Refrig

SSCB-12-00047

G-10058

AMWTP
Advanced Mixed Waste Treatment Project

Refrigerator Temperature Logsheet

Form-1585 Rev. 2
Effective: 04/08/08

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Operator	Date	Time	Current Temperature	High Temperature Since Last Reading	Low Temperature Since Last Reading	Comments
Dave Summers	11/04/12	0714	4.1°C	4.2°C	3.7°C	Samples in Refrig
Dave Summers	11/04/12	1845	3.8°C	4.3°C	3.4°C	Samples in Refrig
Dave Summers	11/05/12	0657	3.3°C	3.9°C	3.2°C	Samples in Refrig

SSG12-00007

000059

AMWTP Advanced Mixed Waste Treatment Project	Analytical Balance Calibration Check Sheet	Form-1215 Rev. 4 Effective: 04/08/08 Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: X-250-001 **Scale Calibration Expiration Date:** 10/30/12

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/08/12	0908	MTE-652	30.00 +/- .01g	30.00 g	Pass	
10/08/12	0909	MTE-651	50.00 +/- .01g	50.00 g	Pass	
10/08/12	0911	MTE-652 & 651	80.00 +/- .01g	80.00 g	Pass	
10/09/12	0952	MTE-652	30.00 +/- .01g	30.00 g	Pass	
10/09/12	0953	MTE-651	50.00 +/- .01g	50.00 g	Pass	
10/09/12	0954	MTE-652 & 651	80.00 +/- .01g	80.00 g	Pass	
11/02/12	0732	MTE-652	30.00 +/- .01g	30.00 g	Pass	
11/02/12	0733	MTE-651	50.00 +/- .01g	50.00 g	Pass	
11/02/12	0734	MTE-651 & 652	80.00 +/- .01g	80.00 g	Pass	
11/03/12	1000	MTE-652	30.00 +/- .01g	30.00 g	Pass	
11/03/12	1000	MTE-650	50.00 +/- .01g	50.00g	Pass	
11/03/12	1000	MTE-650 & 652	80.00 +/- .01g	80.00g	Pass	
11/04/12	0735	mTE-652	30.00 +/- .01G	30.00 G	PASS	
11/04/12	0736	mTE-650	50.00 +/- .01G	50.00 G	PASS	
11/04/12	0739	mTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	
11/05/12	0807	mTE-652	30.00 +/- .01G	30.00 G	PASS	
11/05/12	0808	mTE-650	50.00 +/- .01G	50.00 G	PASS	
11/05/12	0809	mTE-650 & 652	80.00 +/- .01G	80.00 G	PASS	

SSG 12-00007
ES 12-12-12

000060

AMWTP
Advanced Mixed Waste Treatment Project

Analytical Balance Calibration Check Sheet

Form-1215
Rev. 4
Effective: 04/08/08

Page 1 of 1

Implementing Document: INST-OI-16, INST-OI-73, & INST-OI-75

Balance ID Number: Y-250-002 Scale Calibration Expiration Date: 08/31/2013

Date	Time	Check Weight ID	Standard Weight +/- Tolerance (0.01 grams)	Observed Weight	Pass/Fail	Comments
10/07/12	0933	MTE-649	50.00 +/- .01g	50.01g	Pass	
10/07/12	0934	MTE-653	150.00 +/- .01g	150.00g	Pass	
10/07/12	0935	MTE-648	400.00 +/- .01g	400.00g	Pass	
10/08/12	0901	mTE-649	50.00 +/- .01g	50.00	PASS	
10/08/12	0902	mTE-653	150.00 +/- .01g	150.00	PASS	
10/08/12	0903	mTE-648	400.00 +/- .01g	400.00	PASS	
10/09/12	0848	mTE-649	50.00 +/- .01g	50.00	PASS	
10/09/12	0849	mTE-653	150.00 +/- .01g	150.00	PASS	
10/09/12	0850	mTE-648	400.00 +/- .01g	400.00	PASS	
11/02/12	0737	mTE-649	50.00 +/- .01g	50.00	PASS	
11/02/12	0738	mTE-653	150.00 +/- .01g	150.00	PASS	
11/02/12	0739	mTE-648	400.00 +/- .01g	400.00	PASS	
11/03/12	1043	mTE-648	400.00 +/- .01G	400.00	PASS	
11/03/12	1044	mTE-649	50.00 +/- .01G	50.00	PASS	
11/03/12	1045	mTE-653	150.00 +/- .01G	150.00	PASS	
11/04/12	0706	mTE-648	400.00 +/- .01G	400.00	PASS	
11/04/12	0707	mTE-649	50.00 +/- .01G	50.00	PASS	
11/04/12	0708	mTE-653	150.00 +/- .01G	150.00	PASS	
11/05/12	0818	MTE-649	50.00 +/- .01G	50.00	PASS	
11/05/12	0819	mTE-653	150.00 +/- .01G	150.00	PASS	
11/05/12	0820	mTE-648	400.00 +/- .01G	400.00	PASS	

SS-12-00007
05-12-12

G-00051

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 1 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12-00004

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☑	☐	☐	11/02/12	0731	M Kremin	VISIBLY CLEAN
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☐	☐	☑	11/02/12	0804	M Kremin	N/A NOT USED THIS SHIFT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☑	☐	☐	11/02/12	0739	M Kremin	Checks Completed
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☑	☐	☐	11/02/12	0739	M Kremin	Inspection Completed SAT
4b. Document any deficiencies in the comments section.						M Kremin	No Deficiencies
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/02/12	1004	M Kremin	WTS updated
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summons	WTS updated

Gw1062

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☑	11/2/12	1054	m Kremin	N/A
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☑	☐	☐	11/02/12	1054	m Kremin	VISIBLY CLEAN
7b. Were any defective sampling tools identified?	☐	☑	☐	11/02/12	1054	m Kremin	No Defective Tools
7c. Was the SS and SME notified?	☐	☐	☑	11/02/12	1054	m Kremin	N/A
7d. Was packaging or expendable sampling equipment intact prior to use?	☑	☐	☐	11/02/12	1054	m Kremin	PACKAGING INTACT
7e. Document any deficiencies by ID number in the comments section.						m Kremin	No deficiencies

G01063

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☑	11/02/12	1056	M Kremin	N/A
8b. Log the results in the comments section. **N/A for Grab sampling.**						M Kremin	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☑	☐	☐	11/02/12	1304	M Kremin	WTS up dated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☑	☐	☐	11/02/12	1350	M Kremin	Verified sampling completed In the Limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1110	M Kremin	N/A
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1110	M Kremin	N/A

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Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☑	11/02/12	1313	m Kramer	N/A INITIAL Sample
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☑	11/02/12	1313	m Kramer	N/A
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☑	☐	☐	11/02/12	1359	m Kramer	Verified
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☑	☐	☐	11/02/12	1359	m Kramer	Verified
14. Have custody seals been signed and dated?	☑	☐	☐	11/02/12	1425	m Kramer	Completed
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☑	☐	☐	11/02/12	1536	m K	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☑	☐	☐	11/02/12	1605 ~~1350~~ 11/02/12	m Kramer	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☑	☐	☐	11/02/12	1536	m K	Verified
18. The refrigerated sample storage area has been verified to be locked and secured.	☑	☐	☐	11/02/12	1630	m Kramer	Verified

Gw1065

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☑ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 Drum Batch

Checklist completed by OT: Darby Summers (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

000096

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☑	☐	☐	11/02/12	0731	mKrein	visibly clean
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☐	☐	☑	11/02/12	0804	mKrein	not used this shift
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☑	☐	☐	11/02/12	0739	mKrein	checks completed
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☑	☐	☐	11/02/12	0739	mKrein	Inspection completed SAT
4b. Document any deficiencies in the comments section.						mKrein	no deficiencies
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/02/12	1004	mKrein	WTS updated
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☑	☐	☐	11/05/12	1630	D Summers	WTS updated

C10057

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461594

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☑	11/02/12	1054	M Kramer	N/A
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☑	☐	☐	11/02/12	1054	M Kramer	VISIBLY CLEAN
7b. Were any defective sampling tools identified?	☐	☑	☐	11/02/12	1054	M Kramer	NO DEFECTIVE TOOLS
7c. Was the SS and SME notified?	☐	☐	☑	11/02/12	1054	M Kramer	N/A
7d. Was packaging or expendable sampling equipment intact prior to use?	☑	☐	☐	11/02/12	1054	M Kramer	PACKAGING INTACT
7e. Document any deficiencies by ID number in the comments section.						M Kramer	NO DEFICIENCIES

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Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☑	11/02/12	1056	M Kramer	N/A
8b. Log the results in the comments section. **N/A for Grab sampling.**						M Kramer	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☑	☐	☐	11/02/12	1304	M Kramer	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☑	☐	☐	11/02/12	1350	MK	Verified Sampling complete IN 1 HR Limit
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1310	M Kramer	N/A
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☑	11/02/12	1310	M Kramer	N/A

Cont'd

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 4 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 104615-97

Batch Number: 55612-00004

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☑	☐	11/02/12	1329	M Kramer	NO INCONSISTENCIES BETWEEN SAMPLES
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☑	11/02/12	1329	M Kramer	N/A
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☑	☐	☐	11/02/12	1345	M Kramer	verified
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☑	☐	☐	11/02/12	1345	M Kramer	verified
14. Have custody seals been signed and dated?	☑	☐	☐	11/02/12	1424	M Kramer	completed
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☑	☐	☐	11/02/12	1516	M Kramer	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☑	☐	☐	11/02/12	1625	M Kramer	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☑	☐	☐	11/07/12	1536	M Kramer	Verified
18. The refrigerated sample storage area has been verified to be locked and secured.	☑	☐	☐	11/02/12	1630	M Kramer	verified

Gen0070

AMWTP Advanced Mixed Waste Treatment Project	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-01-16, INST-01-73, and INST-01-75

Drum Number: 104615 ET

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☐ Co-located ☐ Resample ☐ Field Duplicate ☑

Additional comments: 1 Drum Batch

Checklist completed by OT: DARBY SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

GW1071

AMWTP
Advanced Mixed Waste Treatment Project

#2

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	0745	D Summers	glovebox cleaned and inspected. NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	cchecks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	Scale cchecks SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	0745	D Summers	tools and Equipment Cleaned and inspected. NO Deficiencies NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kiremin	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1637	D Summers	WTS updated

G-10072

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1030	D Summers	N/A for OI-75 Grab Sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1045	D Summers	tools verified to be clean and packaging intact. NO DEFICIENCIES NOTED.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1045	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1045	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1045	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1030	D Summers	N/A for OI-75 GRAB Sampling
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1047	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1127	D Summers	Verified Sampling Completed within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1130	D Summers	N/A for OI-75 GRAB Sampling
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1130	D Summers	N/A for OI-75 GRAB Sampling

AMWTP Advanced Mixed Waste Treatment Project

#2

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1030	D Summers	Initial sample only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1030	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1200	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1200	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created and placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

C-10075

AMWTP Advanced Mixed Waste Treatment Project	#2 AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 DRUM Batch Initial sample #2.

	Print Name	Signature	Date
Checklist completed by OT:	DAVEY SUMMERS		11/05/12
Checklist reviewed by SS:	Dereka Cox		11/05/12

C0076

AMWTP Advanced Mixed Waste Treatment Project

#3

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Batch Number: SSG12 - 00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1221	D Summers	glovebox cleaned and inspected. NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	Checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	Scale Check SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1221	D Summers	tools and equipment cleaned and inspected. NO Deficiencies NOTED.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kramer	WTS updated (Verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

000027

AMWTP Advanced Mixed Waste Treatment Project

#3

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSGI2-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1221	D Summers	N/A for OI-75 Grab sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1221	D Summers	tools verified clean and packaging intact NO DEFICIENCIES NOTED.
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1221	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1221	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1221	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

000078

AMWTP Advanced Mixed Waste Treatment Project #3

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1221	DSumners	N/A for OI-75 GRAB Sampling.
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Sumners	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1231	DSumners	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1248	DSumners	VERIFIED sampling completed within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1231	DSumners	N/A for OI-75 Grab Sampling
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1231	DSumners	N/A for OI-75 GRAB Sampling

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AMWTP Advanced Mixed Waste Treatment Project

#3

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1231	D Summers	Initial sample only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1231	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1303	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1303	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created and placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

C-3080

AMWTP Advanced Mixed Waste Treatment Project	#3	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597 **Sample Origin:** Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007 **Sample Type:** Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 Drum Batch Initial Sample #3

Checklist completed by OT: Davey Summers (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

C1001

AMWTP Advanced Mixed Waste Treatment Project

#4

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1308	D Summers	Glovebox clean and inspected NO ISSUES NOTED
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	Cktecks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	Scale Cktecks SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1308	D Summers	tools and Equipment Clean and inspected. NO Deficiencies noted.
4b. Document any deficiencies in the comments section.						D Summers	
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kromin	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

290062

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

	Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6.	Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1308	D Summers	N/A for OI-75 GRAB Sampling
7a.	Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1308	D Summers	tools verified clean packaging intact. NO DEFICIENCIES NOTED.
7b.	Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1308	D Summers	
7c.	Was the SS and SME notified?	☐	☐	☒	11/04/12	1308	D Summers	
7d.	Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1308	D Summers	
7e.	Document any deficiencies by ID number in the comments section.						D Summers	

C0063

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☑

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1308	D Summers	N/A for OI-75 GRAB Sampling.
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summers	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1322	D Summers	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1343	D Summers	Verified sampling completed within 1 hour Limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1322	D Summers	N/A for OI-75 GRAB Samplings
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1322	D Summers	N/A for OI-75 GRAB Sampling

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AMWTP
Advanced Mixed Waste Treatment Project

#4

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SS612-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1322	D Summers	Initial Sample Only
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1322	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1345	D Summers	Verified complete and correctly match WTS
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1345	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created, placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

603055

AMWTP Advanced Mixed Waste Treatment Project	#4	AMWTP Solid Sampling Checklist	Form-1599 Rev. 8 Effective: 04/05/12 Page 5 of 5

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 DRUM Batch, Initial Sample #4

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

990099

AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
1. Was the glovebox inspected and cleaned, if necessary, after each sampling event and the cleaning results documented in the comments section prior to processing any additional samples?	☒	☐	☐	11/04/12	1420	D Summers	glovebox inspected and cleaned NO ISSUES NO TOD
2. Has a performance check (background and standardization) been completed on the packet assay monitor within this shift?	☒	☐	☐	11/04/12	0720	D Summers	Checks SAT
3. Have the electronic balances been performance checked each shift prior to any sampling activities and documented on Form-1215?	☒	☐	☐	11/04/12	0739	D Summers	scale check SAT
4a. Was the inspection and cleaning of sampling and glovebox support equipment completed?	☒	☐	☐	11/04/12	1420	D Summers	tools & equipment cleaned and inspected NO
4b. Document any deficiencies in the comments section.						D Summers	Deficiencies NOTED.
5a. Have all filters been removed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/02/12	1004	M Kaemin	WTS updated (verified)
5b. Have all filters been installed and documented on the WTS Filter Vent History screen?	☒	☐	☐	11/05/12	1630	D Summers	WTS updated

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AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Batch Number: SSG12-00007

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
6. Have the reusable coring-bit barrel assemblies been inspected for cleanliness, damage, and free movement of the internal components (as applicable)? **N/A for Grab sampling and Manual Coring.**	☐	☐	☒	11/04/12	1420	D Summers	N/A for OI-75 Grab sampling
7a. Is equipment visibly clean and verified by certificates of cleanliness or analysis?	☒	☐	☐	11/04/12	1420	D Summers	tools verified clean and packaging intact NO DEFICIENCIES NOTED
7b. Were any defective sampling tools identified?	☐	☒	☐	11/04/12	1420	D Summers	
7c. Was the SS and SME notified?	☐	☐	☒	11/04/12	1420	D Summers	
7d. Was packaging or expendable sampling equipment intact prior to use?	☒	☐	☐	11/04/12	1420	D Summers	
7e. Document any deficiencies by ID number in the comments section.						D Summers	

C-3058

AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 1046159

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
8a. Has the calculated depth of the waste and the container ID been recorded prior to each core-sampling event? **N/A for Grab sampling.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 GRAB Sampling
8b. Log the results in the comments section. **N/A for Grab sampling.**						D Summons	**Formula for a 55-gallon Drum:** Distance from top of drum to waste N/A in. 34.5 - (Distance from the top lip of the drum to waste + 1) = N/A in. **Formula for a 30-gallon Drum:** Distance from top of drum to waste N/A in. 29.0 - (Distance from the top lip of the drum to waste + 1) = N/A in.
9. Has the sample "Date and By" field been updated on the WTS sampling screen to reflect the correct time the sample was extracted?	☒	☐	☐	11/04/12	1421	D Summons	WTS updated
10. Has the sample material in the glovebox been processed, capped/covered, as appropriate per procedure, to prevent loss of volatile organic compounds (VOCs) prior to closing the final sample vial?	☒	☐	☐	11/04/12	1438	D Summons	Verified sampling complete within 1 hour time limit.
11a. Has the minimal disturbance been verified by visually examining the core (e.g., undisturbed, cracked, or pulverized)? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 Grab sample
11b. Has this observation been recorded in WTS Core Physical Description comments field? **N/A for Grab sample.**	☐	☐	☒	11/04/12	1421	D Summons	N/A for OI-75 Grab sample

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AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SS612-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Criteria	Yes	No	N/A	Date	Time	Performed By	Comments
12a. Were any inconsistencies in color, texture, or waste type between the initial, resample, and co-located sample identified?	☐	☐	☒	11/04/12	1440	D Summers	Initial sample only.
12b. Have inconsistencies, if applicable, been recorded in WTS in the Sample Comments field?	☐	☐	☒	11/04/12	1440	D Summers	
13a. Have sample labels for PVOC, NHVOC, and spare(s) samples been verified to contain complete information?	☒	☐	☐	11/04/12	1445	D Summers	Verified complete and correctly match WTS.
13b. Have sample labels for SVOC/metals samples been verified to contain complete information?	☒	☐	☐	11/04/12	1445	D Summers	
14. Have custody seals been signed and dated?	☒	☐	☐	11/04/12	1843	D Summers	Signed and intact
15. Have sample/subsample screens been updated to reflect that the custody seal is attached?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
16. Have sample/subsample screens been updated to reflect "Sample Preserved to 4 degrees C" field?	☒	☐	☐	11/04/12	1843	D Summers	WTS updated
17. Have trip blanks been prepared and placed into refrigerated storage?	☒	☐	☐	11/04/12	1843	D Summers	Created, placed with samples
18. The refrigerated sample storage area has been verified to be locked and secured.	☒	☐	☐	11/04/12	1843	D Summers	Verified locked and secure.

C10090

AMWTP Advanced Mixed Waste Treatment Project

#5

AMWTP Solid Sampling Checklist

Form-1599
Rev. 8
Effective: 04/05/12

Implementing Document: INST-OI-16, INST-OI-73, and INST-OI-75

Drum Number: 10461597

Sample Origin: Automated Core ☐ Manual Core ☐ Container Grab ☒

Batch Number: SSG12-00007

Sample Type: Initial ☒ Co-located ☐ Resample ☐ Field Duplicate ☐

Additional comments: 1 Drum Batch, Initial sample # 5.

6000934

Checklist completed by OT: DAVEY SUMMERS (Print Name) _____ (Signature) 11/05/12 (Date)

Checklist reviewed by SS: Derek Cox (Print Name) _____ (Signature) 11/05/12 (Date)

AMWTP Advanced Mixed Waste Treatment Project	Independent Technical Reviewer Small Container Sampling Checklist	Form-1858, Rev. 1 Effective: 05/29/08 Page 1 of 3

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the quality assurance (QA) documentation for the Batch Data Reports (BDR) complete and include data reports and quality checklist (QC) results? • Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist (manual review only) • Form-1858, Independent Technical Reviewer Small Container Sampling Checklist (Manual grab sampling review only) • Form-1491, Supplemental Batch Comment Form, as applicable • Associated nonconformance reports (NCRs)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Was each operator qualified at the time of each sampling event?	X			
4. Has the Chain of Custody (COC) been initiated properly filled out and is it complete?	X			
5. Was the E-signature History review performed?	X			
6. Were the samples and field duplicate based on a random selection method?	X			

260092

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? If any of these conditions have not been met, record the NCR number in the comments section. • Samples • Refrigeration	X			
8. Was the initial small container sample visually examined?	X			
9. Was the field duplicate visually compared to the first sample and were the results acceptable?	X			
10. Were the correct units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? • Was the sampling tools inspection satisfactory? • Was the sampling equipment protective wrapper intact? • Was the sampling area inspection satisfactory? • Were the sampling tools inspected after unwrapping?	X			
16. Were field duplicate samples collected at a frequency of one per sampling batch, as defined in INST-OI-75, Container-in-Container Sampling?	X			

C00093

Testing Batch No.: SSG12-00007 Rev. 1	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet data quality objectives (DQOs) or quality assurance objectives (QAOs)? If so, indicate all NCR numbers in the batch comment section.		X		
18. Have the use of INST-OI-75, sampling equipment, and measurement units been consistent?	X			
19. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-75?	X			
20. Was the correct revision of the procedure documented on each analysis report?	X			
21. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
22. Were the rework requirements clearly identified in waste tracking system (WTS) or on the BDR?	X			See batch Comments.

ITR Print Name: Jay Simonson	ITR Signature: Jay T. Simonson	Date: 14 Nov 2012

600094

SUPERSEDED

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
1. Is the quality assurance (QA) documentation for the Batch Data Reports (BDR) complete and include data reports and quality checklist (QC) results? • Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist (manual review only) • Form-1858, Independent Technical Reviewer Small Container Sampling Checklist (Manual grab sampling review only) • Form-1491, Supplemental Batch Comment Form, as applicable • Associated nonconformance reports (NCRs)	X			
2. Are there 20 samples or less in the batch, excluding QC samples, collected within 14 days of the first sample of the batch?	X			
3. Was each operator qualified at the time of each sampling event?	X			
4. Has the Chain of Custody (COC) been initiated properly filled out and is it complete?	X			
5. Was the E-signature History review performed?	X			
6. Were the samples and field duplicate based on a random selection method?	X			

560095

SUPERSEDED

SUPERSEDED

Implementing Document: MP-TRUW-8.8

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
7. Were the sample collection times and preservation requirements met, or exceptions documented, as listed below? If any of these conditions have not been met, record the NCR number in the comments section. • Samples • Refrigeration	X			
8. Was the initial small container sample visually examined?	X			
9. Was the field duplicate visually compared to the first sample and were the results acceptable?	X			
10. Were the correct units and significant figures used for all reported volumes/weights?	X			
11. Has the data been reviewed for transcription errors, as appropriate, and are field records complete?	X			
12. Have all hand calculations been verified and validated?	X			
13. Was the scale in calibration and was a calibration check performed?	X			
14. Was the equipment used traceable to the Certificate of Cleanliness or have equipment blanks been collected from sampling tools, liners, and disposal sampling equipment, as applicable?	X			
15. Were the following inspections performed and verified clean prior to sampling? • Was the sampling tools inspection satisfactory? • Was the sampling equipment protective wrapper intact? • Was the sampling area inspection satisfactory? • Were the sampling tools inspected after unwrapping?	X			
16. Were field duplicate samples collected at a frequency of one per sampling batch, as defined in INST-OI-75, Container-in-Container Sampling?	X			

600096

SUPERSEDED

Testing Batch No.: SSG12-00007	Location: Z-250-801 WMF-634			
Criteria	**Yes**	**No**	**NA**	**Comment**
17. Were there any nonconforming conditions identified for containers that contain prohibited items or that failed to meet data quality objectives (DQOs) or quality assurance objectives (QAOs)? If so, indicate all NCR numbers in the batch comment section.		X		
18. Have the use of INST-OI-75, sampling equipment, and measurement units been consistent?	X			
19. Was data generated in a technically correct manner in accordance with the correct revision of INST-OI-75?	X			
20. Was the correct revision of the procedure documented on each analysis report?	X			
21. Have solid sampling QAOs been met or exceptions documented? • Precision • Accuracy • Completeness • Comparability • Representativeness	X			
22. Were the rework requirements clearly identified in waste tracking system (WTS) or on the BDR?			X	No rework required.

ITR Print Name: Jay Simonson	ITR Signature: Jay T. Simonson	Date: 13 Nov 2012

SUPERSEDED

AMWTP
Advanced Mixed Waste Treatment Project

Site Project Manager
Small Container Sampling Checklist

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives (QAOs) been met? Precision: • Has a field duplicate sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Tools (if required) – Sampling Equipment? Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • Were the containers randomly selected from the container population, the small container randomly selected and the grid location randomly selected prior to obtaining samples? Comparability • Was the correct version of INST-OI-75, Container-in-Container Sampling, used? Representativeness: • Was non-disposable sampling equipment cleaned prior to sampling?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

C3038

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(4) Was the scale in calibration, and was a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the equipment blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the minimum detection limit (MDL) for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) and less than 3 times the program required detection limits (PRDLs) for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Were samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(7) Were samples collected within 14 days of the first sample of the batch?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(8) Were samples collected and containerized within one hour? If time was greater than one hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(9) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2 C3-10	

600039

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response			Requirement	Comment
	YES	NO	N/A		
(10) Is a physical description of the field duplicate included in the batch data report?	☒	☐	☐	MP-TRUW-8.2 Table C3-12	
(11) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, and random location of sample.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is the location (point of origin) where each sample was taken included in the batch data report (BDR)? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(14) Does the batch data report include a record of the analyses requested and identify the laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(16) Does the data for all containers within this batch meet the following review, validation, and verification requirements? • Proper units (e.g. grams or liters) and significant figures used • The BDR is complete (all pages identified in the BDR and numbered accordingly) • WTS Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • WTS Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist • Form-1858, Independent Reviewer Small Container Sampling Checklist • Form-1491, Supplemental Batch Comment Form, as applicable. • Associated nonconformance reports (NCRs)	☒	☐	☐	MP-TRUW-8.2, C3-10b	
(17) Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	

600101

Batch Data Report #: SSG12-00007 Rev. 1

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(18) Were the following inspections performed? • Was the sampling tool inspection satisfactory? • Was the sampling equipment protective wrapping intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(19) Is all data associated with this BDR acceptable for signature release?	☒	☐	☐	MP-TRUW-8.2, C3-10b(2)	

Comments:

SPM (Print Name): Kenny Burnside SPM Signature /Date:

Controlled Copy

AMWTP Advanced Mixed Waste Treatment Project	Site Project Manager Small Container Sampling Checklist	Form-1859 Rev. 2 Effective: 12/29/10 Page 1 of 5

Implementing Document: MP-TRUW-8.9

Batch Data Report #: SSG12-00007

Question	Response			Requirement	Comment
	YES	NO	N/A		
(1) Has the batch received a Data Generation Level Independent Technical Review and is the review checklist complete and accurate?	☒	☐	☐	MP-TRUW-8.2, C3-10b(1)	
(2) Have all applicable Quality Assurance Objectives (QAOs) been met? Precision: • Has a field duplicate sample been collected once per sampling batch or once per week during sampling operations, whichever is more frequent? Accuracy: • Has an equipment blank been collected once per equipment cleaning batch: – Tools (if required) – Sampling Equipment? Completeness: • Has the number of valid samples collected as a percent of the total number of samples collected for the waste stream been established and is it greater than 90 percent? • Were the containers randomly selected from the container population, the small container randomly selected and the grid location randomly selected prior to obtaining samples? Comparability • Was the correct version of INST-OI-75, Container-in-Container Sampling, used? Representativeness: • Was non-disposable sampling equipment cleaned prior to sampling?	☒	☐	☐	MP-TRUW-8.2, C1-2 and C3-3	

600103

Batch Data Report #: SSG12-00007

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(3) Do the data reports contain the following information: • The physical location within the container? • Sampling date and time? • The sampler's signature and date? • The sample matrix and type? • The sample number and size? • Identification of the waste matrix code?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(4) Was the scale in calibration, and was a calibration check performed?"	☒	☐	☐	MP-TRUW-8.2, C1-2d	
(5) Was the analysis of the equipment blanks acceptable? **NOTE:** *The analytical results for the equipment blanks are less than 3 times the minimum detection limit (MDL) for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) and less than 3 times the program required detection limits (PRDLs) for the metals.*	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(6) Were samples preserved by keeping them at a temperature of 4°C (+/- 2°C)?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(7) Were samples collected within 14 days of the first sample of the batch?	☒	☐	☐	MP-TRUW-8.2, Table C1-4	
(8) Were samples collected and containerized within one hour? If time was greater than one hour, was capping performed?	☒	☐	☐	MP-TRUW-8.2 C1-2a(2)	
(9) Are there no more than 20 containers in the batch (excluding field QC samples)?	☒	☐	☐	MP-TRUW-8.2 C3-10	

600104

Batch Data Report #: SSG12-00007

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(10) Is a physical description of the field duplicate included in the batch data report?	☒	☐	☐	MP-TRUW-8.2 Table C3-12	
(11) Are sampling equipment numbers ("cleaning batch" lot number for disposable equipment) included in the batch data report? **NOTE:** *This ensures that appropriate equipment blanks have been collected for the disposable equipment.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(12) Are field records present in the batch data report? **NOTE:** *Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, and random location of sample.*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(13) Is the location (point of origin) where each sample was taken included in the batch data report (BDR)? **NOTE:** *This would include building and room number (if applicable).*	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(14) Does the batch data report include a record of the analyses requested and identify the laboratory?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	
(15) Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the batch data report?	☒	☐	☐	MP-TRUW-8.2, Table C3-12	

Continued

Batch Data Report #: SSG12-00007

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(16) Does the data for all containers within this batch meet the following review, validation, and verification requirements? • Proper units (e.g. grams or liters) and significant figures used • The BDR is complete (all pages identified in the BDR and numbered accordingly) • WTS Small Container Sampling Batch Cover Sheet • Table of Contents (manual review only) • WTS Small Container Sampling Analysis Reports • Chain of Custody • Form-1585, Refrigerator Temperature Log Sheet and/or Form-1602, Characterization Round Sheet • Form-1215, Analytical Balance Calibration Check Sheet • Form-1599, AMWTP Solid Sampling Checklist • Form-1858, Independent Reviewer Small Container Sampling Checklist • Form-1491, Supplemental Batch Comment Form, as applicable. • Associated nonconformance reports (NCRs)	☒	☐	☐	MP-TRUW-8.2, C3-10b	
(17) Review all NCRs (open and closed). Can the batch be approved?	☒	☐	☐	MP-TRUW-8.2, C3-13	

090106

Batch Data Report #: SSG12-00007

Question	Response YES	Response NO	Response N/A	Requirement	Comment
(18) Were the following inspections performed? • Was the sampling tool inspection satisfactory? • Was the sampling equipment protective wrapping intact? • Was the sampling area inspection satisfactory? • Was the equipment inspected after unwrapping?	☒	☐	☐	MP-TRUW-8.2, C1-2b(2)	
(19) Is all data associated with this BDR acceptable for signature release?	☐	☒	☐	MP-TRUW-8.2, C3-10b(2)	Demote batch to ITR to reconcile sample ID # 10468129 the sample requested states "Trip Blank" and the Grab Sample Comment states "initial sample #3 NHVOC".

Comments:

SPM (Print Name): _____ SPM Signature /Date: _____

600107

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/05/12	Davey Sumners Coring Operator	WMF-634, Coring Room S3114
2.	11/05/12	Davey Sumners Coring Operator	Closed per direction.
3.	11/13/12	Jay Simonson ITR	This batch was validated per MP-TRUW-8.8.
4.	11/13/12	Jay Simonson ITR	Level I validation complete.
5.	11/13/12	Jay Simonson ITR	Promoted to SPM.
6.	11/14/12	Kenny Burnside SPM	Demote batch to ITR to reconcile sample ID # 10468129 the sample requested states "Trip Blank" and the Grab Sample Comment states "initial sample #3 NHVOC"
7.	11/14/12	Jay Simonson ITR	Rework: Event ID (Core Sample) 694, Sample ID 10468129. "Trip Blank" was incorrectly entered in the Sample Requested field instead of "NHVOC." Please review and revise as necessary.
8.	11/14/12	Jay Simonson ITR	Demoted to Operations for rework.

6/27/2018

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
9.	11/14/12	Jay Simonson ITR	Rework.
10.	11/14/12	Jay Simonson ITR	Rework was performed completely and satisfactorily by qualified operators.
11.	11/14/12	Jay Simonson ITR	Promoted to SPM.
12.	11/14/12	Jay Simonson Signature	Jay T. Simonson

12-12-12 SIV 600109

600109

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/14/12	Kenny Burnside	Demote batch to ITR to reconcile difference in Sample ID 10468129 the Sample Requested states "Trip Blank" but the Grab Sample Comment states "initial sample #3 NHVOC"

000111000

AMWTP
Advanced Mixed Waste Treatment Project

Batch Data Report Supplemental Comment Form

AMWTP Form-1491, Rev. 1
Implementing Documents: MP-TRUW-8.8 & 8.9
Effective Date: 02/22/06

Batch Number SSG12-00007

Item	Date	Name	Comments
1.	11/19/12	Kenny Burnside	SPM reviewed and approved. 11/19/12

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	720-497-1093
	Carlsbad, NM 88220	Date Sent:	12-18-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	Sampling BDR	11-15-12	117
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin — Signature — Linda Martin — Printed Name — 12.18.12 — Date

Records Rejected [ ] _____ Signature _____ Printed Name _____ Date

Reason for Rejection:

Re-submittal: _____ Signature _____ Printed Name _____ Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3125
DESTINATION TEL #	917204971093
DESTINATION ID	CHARLIE TURNER
ST. TIME	12/18 10:04
TIME USE	00'27
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Shella Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	720-497-1093
	Carlsbad, NM 88220	Date Sent:	12-18-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	Sampling BDR	11-15-12	117
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	12-26-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	SPM Checklist	12-26-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin — LINDA MARTIN — 12.26.12
Signature — Printed Name — Date

Records Rejected [ ] _____ — _____ — _____
Signature — Printed Name — Date

Reason for Rejection:

Re-submittal: _____ — _____ — _____
Signature — Printed Name — Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2568
DESTINATION TEL #	917204971093
DESTINATION ID	CHARLIE TURNER
ST. TIME	12/26 14:53
TIME USE	00'29
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS solid sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	12-26-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SSG12-00007	SPM Checklist	12-26-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD12030V			Analysis Date: 11-6-12	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			SSG12-00007
4. Is the BDR complete? **Reference Source: CCP-PO-001 C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: 10461597
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1.9.13

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030V **Analysis Date:** 11-6-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
14. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**	X			
15. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
16. Are the %Rs for all MS compounds within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**	X			
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**	X			
18. Are the %Rs for all MSD compounds within the acceptable range? Note: The MSD is used in place of the laboratory duplicate **Reference Source: CCP-PO-001, Table C3-4**	X			
19. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-4**	X			
20. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			
21. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	No target >PRQL
22. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: EPA Method SW-846 8260**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030V **Analysis Date:** 11-6-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
23. Are the results of the trip blank ≤3 times the program-required MDL? **Reference Source: EPA Method SW-846 8260**	X			
24. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
25. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**	X			
26. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**	X			
27. Are the SMCs %R values within specified criteria? **Reference Source: CCP-PO-001, Table C3-5**	X			
28. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**	X			
29. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**			X	NOT NEEDED
30. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-5**	X			
31. Are the relative response factors for all target analytes System Performance Check Compounds (SPCCs) OK? Chloromethane: ≥ 0.10 1,1-Dichloroethane: ≥ 0.10 Bromoform: ≥ 0.10 Chlorobenzene: ≥ 0.30 1, 1, 2, 2-Tetrachloroethane: ≥ 0.30 SW-846 Method 8260B, Section 7.3.5.4 **Reference Source: CCP-PO-001, Table C3-5**	X			
32. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-5**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030V			Analysis Date: 11-6-12	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
33. If %RSD is greater than 15, is regression equation generated and used? **Reference Source: CCP-PO-001, Table C3-5**			X	NOT NEEDED
34. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-5**	X			
35. Were the Bromofluorobenzene (BFB) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-5**	X			
36. Is the BFB Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-5**	X			
37. Is BFB Tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
38. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
39. Are the %Ds less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-5**	X			
40. Is the retention time (RT) for internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-5**	X			
41. Is internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-5**	X			
42. For GC/FID, are the RTs for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**			X	NOT GC/FID

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030V	Analysis Date: 11-6-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
43. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**	X			
44. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
45. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
46. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
47. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
48. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
49. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
50. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-6**	X			
51. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			
52. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**	X			
53. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**	X			

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030V **Analysis Date:** 11-6-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
54. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
55. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		1-9-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP Advanced Mixed Waste Treatment Project

Idaho Treatment Group

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

RCRA Analysis Data Report

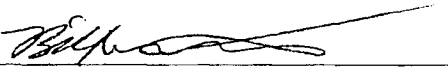
Batch Data Report Number:	ALD12030V	Analytical Method:	CCP-TP-184
Revision Number:	0	Analyte(s):	VOCs
Change Number:	0		
Issue Date:	12/05/12		
Waste Generator Site:	CCP-SRS		

Summary: This data report contains analysis results for 6 samples and 6 trip blanks from Sampling Batch SSG12-00007.

Report Content:

Section	Content	Pages
1	Sample Identification Table	0002 – 0003
2	Sample Custody Documents	0004 – 0011
3	Analysis Results	0012 – 0038
4	Batch QC Sample Results	0039 – 0046
5	Instrument QC Data	0047 – 0056
6	Data Review Checklists	0057 – 0061

Laboratory Release Authorization:

Independent Technical Reviewer	Signature	Date
Bill Strong		12-05-12

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

Section 1

Sample Identification Table

TOTAL VOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method: CCP-TP-184-R0 Data Report Number: ALD12030V

Analytical Method: CCP-TP-184-R0 Analytical Batch ID: 1211051

Field Sample ID	Lab Sample ID
NA	LBV110612A
NA	LCSV1211051A
10467854	2CD67
10467859	2CD70
10468165	2CD81
10468170	2CD90
10468175	2CD97
10468180	2CE05
10467818	2CD65
10467843	2CD68
10467844MS	2CD68MS
10467845MSD	2CD68MSD
10468120	2CD79
10468128	2CD88
10468136	2CD95
10468158	2CE03

Section 2

Sample Custody Documents

AMWTP

ALD LOG # 1211051

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 1 of 2

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners		11/05/12 1033	
Received By	David J. Preston		11/05/12 1033	

5000

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ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On site Tranfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FGE of parent drum used to transfer samples to lab. On Site Transfer Transfer Container ID: 1 TID# 585262 David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

8000

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1050	
Received By	David J. Preston	David J. Preston	11/05/12 1050	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1051	FGE of parent drum used for transfer of samples. On Site Transfer. David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NH VOC	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

6000

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1055	
Received By	David J. Preston	David J Preston	11/05/12 1055	
Relinquished By	David J. Preston	David J Preston	11/05/12 1056	FGE of parent drum used for transfer of samples. On Site Transfer David Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1103	
Received By	David J. Preston	David J Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer.
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 5 TID # 585257 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581
Page 1 of 1

Shipping Location: AMWTP **Analytical Location:** Analytical Chemistry Lab **Sampling Location:** WMF-634 Coring Glove Box **Sample Matrix:** Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1113	
Received By	David J. Preston	David J Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

0011

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Section 3

Analysis Results

AMWTP Analytical Chemistry Laboratory

Data Report Narrative for ALD12030V

This data report contains volatile organic compound (VOC) analysis results for 6 samples from waste drums and 6 associated trip blanks, received on 11/05/12 from AMWTP for CCP-SRS.

Sample preparation and analysis was performed using CCP-TP-184 Revision 0, which implements the requirements of SW-846 Method 8260B.

Holding times for solid samples are 14 days from collection to extraction and 40 days from extraction to analysis. All samples were analyzed within the required holding times.

There is one initial calibration (ICAL), IV412W08, associated with these analyses. All compounds have %RSD less than 15 and use average relative response factors for quantitation.

All quality control parameters meet acceptance criteria for this analytical batch.

The CAS number for m/p-xylene is 179601-23-1. The CAS numbers for m-xylene and p-xylene are 108-38-3 and 106-42-3, respectively.

AMWTP Analytical Chemistry Laboratory

Central Characterization Project

Data Qualifier Flag Definitions for VOCs

Flag	Definition
B	Analyte detected in associated laboratory blank or method blank
E	Reported analyte concentration exceeds the calibration range
D	Reported analyte concentration is from a secondary dilution of the sample
H	Holding time exceeded
J	Target Analyte concentration <PRQL but ≥ MDL
J	TIC concentration is estimated by comparison to nearest internal standard, and has high analytical uncertainty.
N	Presumptive evidence of a compound, based on a mass spectral library search (TICs only)
U	Analyte was undetected (reported as sample-specific MDL)
Z	One or more QC sample results do not meet acceptance criteria

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467818	Lab Sample ID:	2CD65
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407635
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 16:24	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	4.4	J
75-25-2	Bromoform	0.36	U
75-15-0	Carbon Disulfide	0.36	U
56-23-5	Carbon Tetrachloride	0.36	U
108-90-7	Chlorobenzene	0.18	U
67-66-3	Chloroform	0.36	U
75-35-4	1,1-Dichloroethene	0.36	U
107-06-2	1,2-Dichloroethane	0.36	U
100-41-4	Ethylbenzene	3.9	J
75-09-2	Methylene Chloride	0.54	U
179601-23-1	m-Xylene and p-Xylene mix	2.4	J
95-47-6	o-Xylene	4.3	J
79-34-5	1,1,2,2-Tetrachloroethane	0.36	U
127-18-4	Tetrachloroethene	0.83	J
108-88-3	Toluene	9.7	J
156-60-5	trans-1,2-Dichloroethene	0.36	U
71-55-6	1,1,1-Trichloroethane	0.49	J
79-01-6	Trichloroethene	20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U
79-00-5	1,1,2-Trichloroethane	0.36	U
75-69-4	Trichlorofluoromethane	0.54	U
75-01-4	Vinyl Chloride	0.36	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467818	Lab Sample ID:	2CD65
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407635
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 16:24	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0016

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467854	Lab Sample ID:	2CD67
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407629
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 12:52	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.36	U
75-25-2	Bromoform	0.36	U
75-15-0	Carbon Disulfide	0.36	U
56-23-5	Carbon Tetrachloride	0.36	U
108-90-7	Chlorobenzene	0.18	U
67-66-3	Chloroform	0.36	U
75-35-4	1,1-Dichloroethene	0.36	U
107-06-2	1,2-Dichloroethane	0.36	U
100-41-4	Ethylbenzene	0.36	U
75-09-2	Methylene Chloride	0.54	U
179601-23-1	m-Xylene and p-Xylene mix	0.36	U
95-47-6	o-Xylene	0.18	U
79-34-5	1,1,2,2-Tetrachloroethane	0.36	U
127-18-4	Tetrachloroethene	0.18	U
108-88-3	Toluene	0.18	U
156-60-5	trans-1,2-Dichloroethene	0.36	U
71-55-6	1,1,1-Trichloroethane	0.36	U
79-01-6	Trichloroethene	0.36	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U
79-00-5	1,1,2-Trichloroethane	0.36	U
75-69-4	Trichlorofluoromethane	0.54	U
75-01-4	Vinyl Chloride	0.36	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467854	Lab Sample ID:	2CD67
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407629
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 12:52	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0018

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467843	Lab Sample ID:	2CD68
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407636
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 16:59	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	2.7	J
75-25-2	Bromoform	0.36	U
75-15-0	Carbon Disulfide	0.36	U
56-23-5	Carbon Tetrachloride	0.36	U
108-90-7	Chlorobenzene	0.18	U
67-66-3	Chloroform	0.36	U
75-35-4	1,1-Dichloroethene	0.36	U
107-06-2	1,2-Dichloroethane	0.36	U
100-41-4	Ethylbenzene	2.9	J
75-09-2	Methylene Chloride	0.55	U
179601-23-1	m-Xylene and p-Xylene mix	1.9	J
95-47-6	o-Xylene	3.3	J
79-34-5	1,1,2,2-Tetrachloroethane	0.36	U
127-18-4	Tetrachloroethene	0.61	J
108-88-3	Toluene	6.7	J
156-60-5	trans-1,2-Dichloroethene	0.36	U
71-55-6	1,1,1-Trichloroethane	0.36	U
79-01-6	Trichloroethene	12	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U
79-00-5	1,1,2-Trichloroethane	0.36	U
75-69-4	Trichlorofluoromethane	0.55	U
75-01-4	Vinyl Chloride	0.36	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467843	Lab Sample ID:	2CD68
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407636
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 16:59	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0020

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467859	Lab Sample ID:	2CD70
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407630
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 13:27	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.38	U
75-25-2	Bromoform	0.38	U
75-15-0	Carbon Disulfide	0.38	U
56-23-5	Carbon Tetrachloride	0.38	U
108-90-7	Chlorobenzene	0.19	U
67-66-3	Chloroform	0.38	U
75-35-4	1,1-Dichloroethene	0.38	U
107-06-2	1,2-Dichloroethane	0.38	U
100-41-4	Ethylbenzene	0.38	U
75-09-2	Methylene Chloride	0.57	U
179601-23-1	m-Xylene and p-Xylene mix	0.38	U
95-47-6	o-Xylene	0.19	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U
127-18-4	Tetrachloroethene	0.19	U
108-88-3	Toluene	0.19	U
156-60-5	trans-1,2-Dichloroethene	0.38	U
71-55-6	1,1,1-Trichloroethane	0.38	U
79-01-6	Trichloroethene	0.38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.38	U
79-00-5	1,1,2-Trichloroethane	0.38	U
75-69-4	Trichlorofluoromethane	0.57	U
75-01-4	Vinyl Chloride	0.38	U

0021

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467859	Lab Sample ID:	2CD70
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407630
Date Sampled:	11/02/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/06/2012 13:27	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0022

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468120	Lab Sample ID:	2CD79
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407639
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 18:45	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	3.9	J
75-25-2	Bromoform	0.34	U
75-15-0	Carbon Disulfide	0.34	U
56-23-5	Carbon Tetrachloride	0.34	U
108-90-7	Chlorobenzene	0.17	U
67-66-3	Chloroform	0.34	U
75-35-4	1,1-Dichloroethene	0.34	U
107-06-2	1,2-Dichloroethane	0.34	U
100-41-4	Ethylbenzene	4.2	J
75-09-2	Methylene Chloride	0.51	U
179601-23-1	m-Xylene and p-Xylene mix	2.6	J
95-47-6	o-Xylene	4.6	J
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U
127-18-4	Tetrachloroethene	0.82	J
108-88-3	Toluene	10	
156-60-5	trans-1,2-Dichloroethene	0.34	U
71-55-6	1,1,1-Trichloroethane	0.44	J
79-01-6	Trichloroethene	18	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U
79-00-5	1,1,2-Trichloroethane	0.34	U
75-69-4	Trichlorofluoromethane	0.51	U
75-01-4	Vinyl Chloride	0.34	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468120	Lab Sample ID:	2CD79
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407639
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 18:45	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0024

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468165	Lab Sample ID:	2CD81
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407631
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 14:03	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.34	U
75-25-2	Bromoform	0.34	U
75-15-0	Carbon Disulfide	0.34	U
56-23-5	Carbon Tetrachloride	0.34	U
108-90-7	Chlorobenzene	0.17	U
67-66-3	Chloroform	0.34	U
75-35-4	1,1-Dichloroethene	0.34	U
107-06-2	1,2-Dichloroethane	0.34	U
100-41-4	Ethylbenzene	0.34	U
75-09-2	Methylene Chloride	0.51	U
179601-23-1	m-Xylene and p-Xylene mix	0.34	U
95-47-6	o-Xylene	0.17	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U
127-18-4	Tetrachloroethene	0.17	U
108-88-3	Toluene	0.17	U
156-60-5	trans-1,2-Dichloroethene	0.34	U
71-55-6	1,1,1-Trichloroethane	0.34	U
79-01-6	Trichloroethene	0.34	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U
79-00-5	1,1,2-Trichloroethane	0.34	U
75-69-4	Trichlorofluoromethane	0.51	U
75-01-4	Vinyl Chloride	0.34	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468165	Lab Sample ID:	2CD81
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407631
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 14:03	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0026

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468128	Lab Sample ID:	2CD88
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407640
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 19:21	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	4.3	J
75-25-2	Bromoform	0.35	U
75-15-0	Carbon Disulfide	0.35	U
56-23-5	Carbon Tetrachloride	0.35	U
108-90-7	Chlorobenzene	0.18	U
67-66-3	Chloroform	0.35	U
75-35-4	1,1-Dichloroethene	0.35	U
107-06-2	1,2-Dichloroethane	0.35	U
100-41-4	Ethylbenzene	3.9	J
75-09-2	Methylene Chloride	0.53	U
179601-23-1	m-Xylene and p-Xylene mix	2.4	J
95-47-6	o-Xylene	4.3	J
79-34-5	1,1,2,2-Tetrachloroethane	0.35	U
127-18-4	Tetrachloroethene	0.84	J
108-88-3	Toluene	9.6	J
156-60-5	trans-1,2-Dichloroethene	0.35	U
71-55-6	1,1,1-Trichloroethane	0.53	J
79-01-6	Trichloroethene	20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.35	U
79-00-5	1,1,2-Trichloroethane	0.35	U
75-69-4	Trichlorofluoromethane	0.53	U
75-01-4	Vinyl Chloride	0.35	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468128	Lab Sample ID:	2CD88
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407640
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 19:21	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0028

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468170	Lab Sample ID:	2CD90
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407632
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 14:38	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.38	U
75-25-2	Bromoform	0.38	U
75-15-0	Carbon Disulfide	0.38	U
56-23-5	Carbon Tetrachloride	0.38	U
108-90-7	Chlorobenzene	0.19	U
67-66-3	Chloroform	0.38	U
75-35-4	1,1-Dichloroethene	0.38	U
107-06-2	1,2-Dichloroethane	0.38	U
100-41-4	Ethylbenzene	0.38	U
75-09-2	Methylene Chloride	0.57	U
179601-23-1	m-Xylene and p-Xylene mix	0.38	U
95-47-6	o-Xylene	0.19	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U
127-18-4	Tetrachloroethene	0.19	U
108-88-3	Toluene	0.19	U
156-60-5	trans-1,2-Dichloroethene	0.38	U
71-55-6	1,1,1-Trichloroethane	0.38	U
79-01-6	Trichloroethene	0.38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.38	U
79-00-5	1,1,2-Trichloroethane	0.38	U
75-69-4	Trichlorofluoromethane	0.57	U
75-01-4	Vinyl Chloride	0.38	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468170	Lab Sample ID:	2CD90
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407632
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 14:38	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0030

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468136	Lab Sample ID:	2CD95
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407641
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 19:56	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	3.2	J
75-25-2	Bromoform	0.37	U
75-15-0	Carbon Disulfide	0.37	U
56-23-5	Carbon Tetrachloride	0.37	U
108-90-7	Chlorobenzene	0.18	U
67-66-3	Chloroform	0.37	U
75-35-4	1,1-Dichloroethene	0.37	U
107-06-2	1,2-Dichloroethane	0.37	U
100-41-4	Ethylbenzene	3.3	J
75-09-2	Methylene Chloride	0.55	U
179601-23-1	m-Xylene and p-Xylene mix	2.1	J
95-47-6	o-Xylene	3.6	J
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U
127-18-4	Tetrachloroethene	0.71	J
108-88-3	Toluene	8.0	J
156-60-5	trans-1,2-Dichloroethene	0.37	U
71-55-6	1,1,1-Trichloroethane	0.37	U
79-01-6	Trichloroethene	16	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.37	U
79-00-5	1,1,2-Trichloroethane	0.37	U
75-69-4	Trichlorofluoromethane	0.55	U
75-01-4	Vinyl Chloride	0.37	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468136	Lab Sample ID:	2CD95
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407641
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 19:56	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0032

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468175	Lab Sample ID:	2CD97
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407633
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 15:13	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.39	U
75-25-2	Bromoform	0.39	U
75-15-0	Carbon Disulfide	0.39	U
56-23-5	Carbon Tetrachloride	0.39	U
108-90-7	Chlorobenzene	0.20	U
67-66-3	Chloroform	0.39	U
75-35-4	1,1-Dichloroethene	0.39	U
107-06-2	1,2-Dichloroethane	0.39	U
100-41-4	Ethylbenzene	0.39	U
75-09-2	Methylene Chloride	0.59	U
179601-23-1	m-Xylene and p-Xylene mix	0.39	U
95-47-6	o-Xylene	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.39	U
127-18-4	Tetrachloroethene	0.20	U
108-88-3	Toluene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.39	U
71-55-6	1,1,1-Trichloroethane	0.39	U
79-01-6	Trichloroethene	0.39	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.39	U
79-00-5	1,1,2-Trichloroethane	0.39	U
75-69-4	Trichlorofluoromethane	0.59	U
75-01-4	Vinyl Chloride	0.39	U

0033

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468175	Lab Sample ID:	2CD97
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407633
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 15:13	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0034

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468158	Lab Sample ID:	2CE03
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407642
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 20:31	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	1.5	J
75-25-2	Bromoform	0.34	U
75-15-0	Carbon Disulfide	0.34	U
56-23-5	Carbon Tetrachloride	0.34	U
108-90-7	Chlorobenzene	0.17	U
67-66-3	Chloroform	0.34	U
75-35-4	1,1-Dichloroethene	0.34	U
107-06-2	1,2-Dichloroethane	0.34	U
100-41-4	Ethylbenzene	2.0	J
75-09-2	Methylene Chloride	0.51	U
179601-23-1	m-Xylene and p-Xylene mix	1.3	J
95-47-6	o-Xylene	2.2	J
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U
127-18-4	Tetrachloroethene	0.17	U
108-88-3	Toluene	4.6	J
156-60-5	trans-1,2-Dichloroethene	0.34	U
71-55-6	1,1,1-Trichloroethane	0.34	U
79-01-6	Trichloroethene	8.2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U
79-00-5	1,1,2-Trichloroethane	0.34	U
75-69-4	Trichlorofluoromethane	0.51	U
75-01-4	Vinyl Chloride	0.34	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468158	Lab Sample ID:	2CE03
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407642
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 20:31	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0036

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468180	Lab Sample ID:	2CE05
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407634
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 15:49	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.37	U
75-25-2	Bromoform	0.37	U
75-15-0	Carbon Disulfide	0.37	U
56-23-5	Carbon Tetrachloride	0.37	U
108-90-7	Chlorobenzene	0.19	U
67-66-3	Chloroform	0.37	U
75-35-4	1,1-Dichloroethene	0.37	U
107-06-2	1,2-Dichloroethane	0.37	U
100-41-4	Ethylbenzene	0.37	U
75-09-2	Methylene Chloride	0.56	U
179601-23-1	m-Xylene and p-Xylene mix	0.37	U
95-47-6	o-Xylene	0.19	U
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U
127-18-4	Tetrachloroethene	0.19	U
108-88-3	Toluene	0.19	U
156-60-5	trans-1,2-Dichloroethene	0.37	U
71-55-6	1,1,1-Trichloroethane	0.37	U
79-01-6	Trichloroethene	0.37	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.37	U
79-00-5	1,1,2-Trichloroethane	0.37	U
75-69-4	Trichlorofluoromethane	0.56	U
75-01-4	Vinyl Chloride	0.37	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468180	Lab Sample ID:	2CE05
Sampling Batch No:	SSG12-00007	Lab File ID:	SV407634
Date Sampled:	11/04/2012	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/06/2012 15:49	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0038

Section 4

Batch QC Sample Results

TOTAL VOC ANALYSIS
SURROGATE RECOVERY FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-184-R0

Analytical Method: CCP-TP-184-R0

Data Report Number: ALD12030V

Analytical Batch ID: 1211051

Instrument ID: VOA-4

Matrix: SOLID

	LAB SAMPLE ID	SMC1 %R (BFB)	SMC2 %R (DCA)	SMC3 %R (TOL)	TOTAL OUT
1	LBV110612A	101	98	100	0
2	LCSV1211051A	99	100	103	0
3	2CD67	96	98	99	0
4	2CD70	99	100	104	0
5	2CD81	96	99	103	0
6	2CD90	98	100	102	0
7	2CD97	101	101	104	0
8	2CE05	99	99	101	0
9	2CD65	99	100	93	0
10	2CD68	96	95	91	0
11	2CD68MS	97	98	91	0
12	2CD68MSD	95	99	91	0
13	2CD79	97	95	91	0
14	2CD88	92	98	90	0
15	2CD95	96	98	92	0
16	2CE03	91	95	88	0

Control Limits for samples (%R)

Solids

S1 (BFB) = 4-Bromofluorobenzene	72 - 104
S2 (DCA) = 1,2,-Dichloroethane-d4	72 - 117
S3 (TOL) = Toluene-d8	78 - 114

Z = Values outside of acceptance criteria

D = Surrogates diluted out

0040

TOTAL VOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method:	CCP-TP-184-R0			Data Report Number:	ALD12030V
Analytical Method:	CCP-TP-184-R0			Analytical Batch ID:	1211051
Instrument ID:	VOA-4			Matrix:	SOLID
Lab Sample ID:	2CD68	MS Lab Sample ID:	2CD68MS	MSD Lab Sample ID:	2CD68MSD
Field Sample ID:	10467843	MS Field Sample ID:	10467844MS	MSD Field Sample ID:	10467845MSD
Lab File ID:	SV407636	MS Lab File ID:	SV407637	MSD Lab File ID:	SV407638
Date Analyzed:	11/6 /2012	MS Date Analyzed:	11/6 /2012	MSD Date Analyzed:	11/6 /2012

TARGET ANALYTE	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg		SPIKED SAMPLE CONCENTRATION mg/kg	MS % RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
Benzene	8.99	2.68		11.24	95	37 - 151
Chlorobenzene	8.99	0.18	U	7.79	87	37 - 160
1,1-Dichloroethene	8.99	0.36	U	8.02	89	D - 234
Toluene	8.99	6.70		16.29	107	47 - 150
Trichloroethene	8.99	12.45		23.85	127	71 - 157

TARGET ANALYTE	SPIKE ADDED mg/kg	DUPLICATE SPIKED SAMPLE CONCENTRATION mg/kg	MSD % RECOVERY	RPD	ACCEPTANCE CRITERIA RPD
Benzene	9.06	11.07	93	2.7	≤ 45
Chlorobenzene	9.06	8.13	90	3.7	≤ 38
1,1-Dichloroethene	9.06	8.52	94	5.3	≤ 250
Toluene	9.06	15.23	94	12.4	≤ 29
Trichloroethene	9.06	21.31	98	25.8	≤ 36

Z = Did not meet acceptance criteria

D = Spiked Analytes Diluted out

RPD:	0	out of	5	outside limits
Spike Recovery:	0	out of	10	outside limits

0041

TOTAL VOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBV110612A
Sampling Batch No:	NA	Lab File ID:	BV407627
Date Sampled:	NA	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	NA		
Date/Time Analyzed:	11/06/2012 11:30	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION mg/kg	Q
71-43-2	Benzene	0.33	U
75-25-2	Bromoform	0.33	U
75-15-0	Carbon Disulfide	0.33	U
56-23-5	Carbon Tetrachloride	0.33	U
108-90-7	Chlorobenzene	0.17	U
67-66-3	Chloroform	0.33	U
75-35-4	1,1-Dichloroethene	0.33	U
107-06-2	1,2-Dichloroethane	0.33	U
100-41-4	Ethylbenzene	0.33	U
75-09-2	Methylene Chloride	0.50	U
179601-23-1	m-Xylene and p-Xylene mix	0.33	U
95-47-6	o-Xylene	0.17	U
79-34-5	1,1,2,2-Tetrachloroethane	0.33	U
127-18-4	Tetrachloroethene	0.17	U
108-88-3	Toluene	0.17	U
156-60-5	trans-1,2-Dichloroethene	0.33	U
71-55-6	1,1,1-Trichloroethane	0.33	U
79-01-6	Trichloroethene	0.33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.33	U
79-00-5	1,1,2-Trichloroethane	0.33	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.33	U

TOTAL VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBV110612A
Sampling Batch No:	NA	Lab File ID:	BV407627
Date Sampled:	NA	Data Report Number:	ALD12030V
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	NA		
Date/Time Analyzed:	11/06/2012 11:30	Instrument ID:	VOA-4
Analysis Holding Time:	<1 day	Matrix:	SOLID
Preparation Method:	CCP-TP-184-R0	Dilution Factor:	1
Analytical Method:	CCP-TP-184-R0		

Number of TICs Found: 0

	CAS Number	Tentatively Identified VOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0043

TOTAL VOC ANALYSIS
LABORATORY BLANK SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	11/06/2012	Lab Sample ID:	LBV110612A
Date/Time Analyzed:	11/06/2012 11:30	Lab File ID:	BV407627
Preparation Method:	CCP-TP-184-R0	Data Report Number:	ALD12030V
Analytical Method:	CCP-TP-184-R0	Analytical Batch ID:	1211051
		Instrument ID:	VOA-4
		Sample Matrix:	SOLID

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	LCSV1211051A	LV407628	11/06/2012	12:05
10467854	2CD67	SV407629	11/06/2012	12:52
10467859	2CD70	SV407630	11/06/2012	13:27
10468165	2CD81	SV407631	11/06/2012	14:03
10468170	2CD90	SV407632	11/06/2012	14:38
10468175	2CD97	SV407633	11/06/2012	15:13
10468180	2CE05	SV407634	11/06/2012	15:49
10467818	2CD65	SV407635	11/06/2012	16:24
10467843	2CD68	SV407636	11/06/2012	16:59
10467844MS	2CD68MS	SV407637	11/06/2012	17:35
10467845MSD	2CD68MSD	SV407638	11/06/2012	18:10
10468120	2CD79	SV407639	11/06/2012	18:45
10468128	2CD88	SV407640	11/06/2012	19:21
10468136	2CD95	SV407641	11/06/2012	19:56
10468158	2CE03	SV407642	11/06/2012	20:31

Samples using this Laboratory Blank as the daily Method Blank are identified on the associated Form V (TV407625).

TOTAL VOC ANALYSIS
LABORATORY CONTROL SAMPLE FORM
(QC REFERENCE CHECK)

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	11/06/2012	Lab Sample ID:	LCSV1211051A
Date/Time Analyzed:	11/06/2012 12:05	Lab File ID:	LV407628
Preparation Method:	CCP-TP-184-R0	Data Report Number:	ALD12030V
Analytical Method:	CCP-TP-184-R0	Analytical Batch ID:	1211051
		Instrument ID:	VOA-4
		Matrix:	SOLID

TARGET ANALYTE	MEASURED CONCENTRATION (mg/kg)	KNOWN CONCENTRATION (mg/kg)	PERCENT RECOVERY	ACCEPTANCE CRITERIA %RECOVERY
Benzene	7.82	8.33	94	37 - 151
Chlorobenzene	7.99	8.33	96	37 - 160
1,1-Dichloroethene	7.82	8.33	94	D - 234
Toluene	7.57	8.33	91	47 - 150
Trichloroethene	7.66	8.33	92	71 - 157

Z = Did not meet acceptance criteria

0045

TOTAL VOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 11/06/2012 10:45
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

Daily CCAL Sample ID: CC110612A
Daily CCAL Lab File ID: CV407626
Data Report Number: ALD12030V
Analytical Batch ID: 1211051
Instrument ID: VOA-4

	IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
12 HOUR STANDARD	110858	12.21	714662	13.29	673127	17.64
UPPER LIMIT	221716	12.71	1429324	13.79	1346254	18.14
LOWER LIMIT	55429	11.71	357331	12.79	336564	17.14

	Lab Sample ID						
1	LBV110612A	98380	12.21	656084	13.29	660059	17.64
2	LCSV1211051A	98041	12.20	659808	13.29	675691	17.63
3	2CD67	101158	12.21	670461	13.29	685729	17.64
4	2CD70	97679	12.21	654017	13.29	670963	17.63
5	2CD81	97866	12.20	652494	13.28	672034	17.64
6	2CD90	96537	12.20	647347	13.29	662266	17.64
7	2CD97	95170	12.21	639664	13.29	661529	17.64
8	2CE05	94622	12.20	648175	13.29	655571	17.63
9	2CD65	90075	12.21	598015	13.29	599255	17.63
10	2CD68	93070	12.21	607769	13.29	615016	17.64
11	2CD68MS	98404	12.21	643908	13.29	617839	17.63
12	2CD68MSD	95158	12.21	622628	13.29	600607	17.63
13	2CD79	92865	12.20	613117	13.29	610725	17.64
14	2CD88	97269	12.21	632036	13.29	612622	17.63
15	2CD95	93401	12.20	599928	13.29	578496	17.63
16	2CE03	97602	12.21	630207	13.29	604907	17.63

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

0046

Section 5

Instrument QC Data

TOTAL VOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

BFB Injection Date/Time: 11/06/2012 10:12

Analytical Method: CCP-TP-184-R0

Heated Purge (yes/no): no

Lab Sample ID: BFB110612A

Lab File ID: TV407625

Data Report Number: ALD12030V

Analytical Batch ID: 1211051

Instrument ID: VOA-4

m/z	Ion Abundance Criteria	% Rel Abundance
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (1)
174	Greater than 50.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	7.2 (1)
176	95.0 - 101.0% of mass 174	95.3 (1)
177	5.0 - 9.0% of mass 176	5.6 (2)

1 - Value is % mass 174 2 - Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
NA	CC110612A	CV407626	11/06/2012	10:45
NA	LBV110612A	BV407627	11/06/2012	11:30
NA	LCSV1211051A	LV407628	11/06/2012	12:05
10467854	2CD67	SV407629	11/06/2012	12:52
10467859	2CD70	SV407630	11/06/2012	13:27
10468165	2CD81	SV407631	11/06/2012	14:03
10468170	2CD90	SV407632	11/06/2012	14:38
10468175	2CD97	SV407633	11/06/2012	15:13
10468180	2CE05	SV407634	11/06/2012	15:49
10467818	2CD65	SV407635	11/06/2012	16:24
10467843	2CD68	SV407636	11/06/2012	16:59
10467844MS	2CD68MS	SV407637	11/06/2012	17:35
10467845MSD	2CD68MSD	SV407638	11/06/2012	18:10
10468120	2CD79	SV407639	11/06/2012	18:45
10468128	2CD88	SV407640	11/06/2012	19:21

0048

TOTAL VOC ANALYSIS
INSTRUMENT PERFORMANCE CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

BFB Injection Date/Time: 11/06/2012 10:12

Analytical Method: CCP-TP-184-R0

Heated Purge (yes/no): no

Lab Sample ID: BFB110612A

Lab File ID: TV407625

Data Report Number: ALD12030V

Analytical Batch ID: 1211051

Instrument ID: VOA-4

m/z	Ion Abundance Criteria	% Rel Abundance
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (1)
174	Greater than 50.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	7.2 (1)
176	95.0 - 101.0% of mass 174	95.3 (1)
177	5.0 - 9.0% of mass 176	5.6 (2)

1 - Value is % mass 174 2 - Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS

FIELD ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10468136	2CD95	SV407641	11/06/2012	19:56
10468158	2CE03	SV407642	11/06/2012	20:31

0049

TOTAL VOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 08/13/2012 10:59 - 08/13/2012 14:04
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

ICAL File ID: IV412W08
Data Report Number: ALD12030V
Analytical Batch ID: 1211051
Instrument ID: VOA-4

LAB FILE ID	IV407557	IV407558	IV407556	IV407561	IV407560	NA			
CONCENTRATION (ug/L)	150	100	50	20	10	NA			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#
Benzene	1.348	1.348	1.234	1.367	1.371		1.334	4.23	
4-Bromofluorobenzene	0.556	0.542	0.501	0.545	0.539		0.537	3.88	
Bromoform **	0.217	0.205	0.169	0.167	0.158		0.183	14.18	
Carbon Disulfide	6.164	5.985	5.620	6.023	6.141		5.987	3.65	
Carbon Tetrachloride	0.343	0.336	0.284	0.289	0.283		0.307	9.86	
Chlorobenzene **	1.046	1.040	0.979	1.067	1.093		1.045	4.05	
Chloroform *	3.459	3.354	3.168	3.355	3.370		3.341	3.18	
Chloromethane **	3.206	3.042	3.055	3.158	3.354		3.163	4.02	
1,1-Dichloroethane **	4.229	4.063	3.802	4.127	4.039		4.052	3.90	
1,1-Dichloroethene *	1.879	1.816	1.716	1.835	1.851		1.819	3.43	
1,2-Dichloroethane	0.484	0.472	0.432	0.475	0.466		0.466	4.31	
1,2-Dichloroethane-d4	0.081	0.080	0.073	0.080	0.080		0.079	3.99	
1,2-Dichloropropane *	0.380	0.375	0.338	0.378	0.373		0.369	4.76	
Ethylbenzene *	1.888	1.877	1.741	1.907	1.918		1.866	3.84	
Methylene Chloride	2.119	2.062	1.999	2.263	2.445		2.177	8.20	
m-Xylene and p-Xylene mix	0.727	0.725	0.684	0.760	0.754		0.730	4.13	
o-Xylene	0.731	0.720	0.665	0.736	0.727		0.716	4.06	
1,1,2,2-Tetrachloroethane **	0.498	0.470	0.435	0.478	0.479		0.472	4.88	
Tetrachloroethene	0.285	0.285	0.262	0.280	0.289		0.280	3.78	
Toluene *	0.957	0.955	0.895	0.983	0.992		0.956	3.98	
Toluene-d8	1.255	1.247	1.138	1.254	1.252		1.229	4.18	
trans-1,2-Dichloroethene	2.121	2.057	1.940	2.089	2.157		2.073	4.02	
1,1,1-Trichloroethane	2.972	2.910	2.660	2.906	2.914		2.873	4.24	
Trichloroethene	0.331	0.323	0.297	0.326	0.322		0.320	4.05	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.356	1.319	1.270	1.330	1.393		1.333	3.42	
1,1,2-Trichloroethane	0.276	0.269	0.251	0.275	0.266		0.267	3.79	
Trichlorofluoromethane	2.792	2.692	2.558	2.691	2.716		2.690	3.14	
Vinyl Chloride *	2.089	2.037	1.965	2.067	2.107		2.053	2.71	

0050

TOTAL VOC ANALYSIS
INITIAL CALIBRATION DATA

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Calibration Dates/Times: 08/13/2012 10:59 - 08/13/2012 14:04
Analytical Method: CCP-TP-184-R0
Heated Purge (yes/no): no

ICAL File ID: IV412W08
Data Report Number: ALD12030V
Analytical Batch ID: 1211051
Instrument ID: VOA-4

LAB FILE ID	IV407557	IV407558	IV407556	IV407561	IV407560	NA			
CONCENTRATION (ug/L)	150	100	50	20	10	NA			
TARGET ANALYTE	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	AVE RRF	% RSD	#

CCC RSD ≤ 30%

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

NA = Not applicable
Z = Did not meet acceptance criteria
# Column used to flag modeled compounds

SPCC Average RRF

Chloromethane	≥ 0.10
1,1 - Dichloroethane	≥ 0.10
Bromoform	≥ 0.10
Chlorobenzene	≥ 0.30
1,1,2,2-Tetrachloroethane	≥ 0.30
All Other Analytes	≥ 0.01

M = Modeled compound:

0051

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	11/06/2012 10:45	Lab Sample ID:	CC110612A
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407626
Heated Purge (yes/no):	no	Data Report Number:	ALD12030V
Initial Calibration Date(s):	08/13/2012 10:59 - 08/13/2012 14:04	Analytical Batch ID:	1211051
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Benzene	1.334	1.319	1.1
4-Bromofluorobenzene	0.537	0.528	1.7
Bromoform **	0.183	0.209	14.2
Carbon Disulfide	5.987	5.732	4.3
Carbon Tetrachloride	0.307	0.304	1.0
Chlorobenzene **	1.045	1.035	1.0
Chloroform *	3.341	3.224	3.5
Chloromethane **	3.163	2.898	8.4
1,1-Dichloroethane **	4.052	3.968	2.1
1,1-Dichloroethene *	1.819	1.756	3.5
1,2-Dichloroethane	0.466	0.448	3.9
1,2-Dichloroethane-d4	0.079	0.078	1.3
1,2-Dichloropropane *	0.369	0.368	0.3
Ethylbenzene *	1.866	1.849	0.9
Methylene Chloride	2.177	2.006	7.9
m-Xylene and p-Xylene mix	0.730	0.728	0.3
o-Xylene	0.716	0.709	1.0
1,1,2,2-Tetrachloroethane **	0.472	0.494	4.7
Tetrachloroethene	0.280	0.282	0.7
Toluene *	0.956	0.957	0.1
Toluene-d8	1.229	1.226	0.2
trans-1,2-Dichloroethene	2.073	2.017	2.7
1,1,1-Trichloroethane	2.873	2.750	4.3
Trichloroethene	0.320	0.319	0.3
1,1,2-Trichloro-1,2,2-trifluoroethane	1.333	1.280	4.0
1,1,2-Trichloroethane	0.267	0.269	0.7

TOTAL VOC ANALYSIS
CONTINUING CALIBRATION CHECK

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Calibration Date/Time:	11/06/2012 10:45	Lab Sample ID:	CC110612A
Analytical Method:	CCP-TP-184-R0	Lab File ID:	CV407626
Heated Purge (yes/no):	no	Data Report Number:	ALD12030V
Initial Calibration Date(s):	08/13/2012 10:59 - 08/13/2012 14:04	Analytical Batch ID:	1211051
		Instrument ID:	VOA-4

TARGET ANALYTE	AVE RRF	CCAL RRF	%D
Trichlorofluoromethane	2.690	2.499	7.1
Vinyl Chloride *	2.053	1.963	4.4

CCC %D $\leq$ 20%

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds(**)

Z = Did not meet acceptance criteria

SPCC RRF	
Chloromethane	$\geq$ 0.10
1,1 - Dichloroethane	$\geq$ 0.10
Bromoform	$\geq$ 0.10
Chlorobenzene	$\geq$ 0.30
1,1,2,2-Tetrachloroethane	$\geq$ 0.30
All Other Analytes	$\geq$ 0.01

0053

TOTAL VOC ANALYSIS
CCAL INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed:	11/06/2012 10:45	Daily CCAL Sample ID:	CC110612A
Analytical Method:	CCP-TP-184-R0	Daily CCAL Lab File ID:	CV407626
Heated Purge (yes/no):	no	Data Report Number:	ALD12030V
ICAL/CCAL Sample ID:	CC101512A	Analytical Batch ID:	1211051
ICAL/CCAL Lab File ID:	CV407608	Instrument ID:	VOA-4
Date Analyzed:	10/15/2012		

		IS1 (BCM) Area	RT MIN.	IS2 (DFB) Area	RT MIN.	IS3 (CBZ) Area	RT MIN.
Previous ICAL/CCAL	12 HOUR STANDARD	104631	12.20	692094	13.29	644416	17.63
	UPPER LIMIT	209262	12.70	1384188	13.79	1288832	18.13
	LOWER LIMIT	52316	11.70	346047	12.79	322208	17.13
Continuing Calibration Check		110858	12.21	714662	13.29	673127	17.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene-d4
IS3 (CBZ) = Chlorobenzene-d5

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area
Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT
RT lower limit = -30 seconds of internal standard RT

TOTAL VOC ANALYSIS
MDL REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

MDL Determination Date: 05/10/2012 Instrument ID: VOA-4

Preparation Method: CCP-TP-184-R0 Matrix: SOLID

Analytical Method: CCP-TP-184-R0

TARGET ANALYTE	Reported MDL mg/kg	PROGRAM REQUIRED MDL mg/kg	PRQL mg/kg
Benzene	0.33	1	10
4-Bromofluorobenzene	0.17	1	10
Bromoform	0.33	1	10
Carbon Disulfide	0.33	1	10
Carbon Tetrachloride	0.33	1	10
Chlorobenzene	0.17	1	10
Chloroform	0.33	1	10
1,1-Dichloroethene	0.33	1	10
1,2-Dichloroethane	0.33	1	10
1,2-Dichloroethane-d4	0.33	1	10
Ethylbenzene	0.33	1	10
Methylene Chloride	0.50	1	10
m-Xylene and p-Xylene mix	0.33	1	10
o-Xylene	0.17	1	10
1,1,2,2-Tetrachloroethane	0.33	1	10
Tetrachloroethene	0.17	1	10
Toluene	0.17	1	10
Toluene-d8	0.17	1	10
trans-1,2-Dichloroethene	0.33	1	10
1,1,1-Trichloroethane	0.33	1	10
Trichloroethene	0.33	1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	0.33	1	10
1,1,2-Trichloroethane	0.33	1	10
Trichlorofluoromethane	0.50	1	10
Vinyl Chloride	0.33	1	4

SOLIDS: MDLs calculated assuming 3.00g sample and 10mL extraction volume.

0055

TOTAL VOC ANALYSIS
METHOD PRECISION AND ACCURACY (P&A) DEMONSTRATION

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Method P&A Effective Date: 05/10/2012

Data Report Number: ALD12030V
Analytical Batch ID: 1211051

Preparation Method: CCP-TP-184-R0
Analytical Method: CCP-TP-184-R0

Instrument ID: VOA-4

TARGET ANALYTE	Number of Method Performance Samples	Accuracy		Precision	
		Mean %R	Acceptance Limits (%R)	%RSD	Acceptance Limits (%RSD)
Benzene	7	106.2	37–151	3.5	≤45
Bromoform	7	142.9	45–169	2.4	≤47
Carbon Disulfide	7	106.3	60–150	4.3	≤50
Carbon Tetrachloride	7	95.7	70–140	5.2	≤30
Chlorobenzene	7	98.4	37–160	2.3	≤38
Chloroform	7	115.5	51–138	3.4	≤44
1,1-Dichloroethene	7	115.0	D[a]–234	3.9	≤250
1,2-Dichloroethane	7	113.9	49–155	5.2	≤42
Ethylbenzene	7	98.9	37–162	3.3	≤43
Methylene Chloride	7	124.1	D[a]–221	5.8	≤50
m-Xylene and p-Xylene mix	7	91.0	60–150	2.8	≤50
o-Xylene	7	91.1	60–150	2.5	≤50
1,1,2,2-Tetrachloroethane	7	103.3	46–157	4.4	≤55
Tetrachloroethene	7	107.0	64–148	3.0	≤29
Toluene	7	101.1	47–150	2.5	≤29
trans-1,2-Dichloroethene	7	115.0	60–150	4.1	≤50
1,1,1-Trichloroethane	7	107.4	52–162	4.3	≤33
Trichloroethene	7	105.8	71–157	3.7	≤36
1,1,2-Trichloro-1,2,2-trifluoroethane	7	131.1	60–150	4.6	≤50
1,1,2-Trichloroethane	7	110.8	52–150	3.2	≤38
Trichlorofluoromethane	7	133.0	17–181	5.1	≤110
Vinyl Chloride	7	124.6	D[a]–251	4.5	≤200

0056

[a]D = Detected; result must be greater than zero
Z = Did not meet acceptance criteria

Section 6

Data Review Checklists

CCP Sample Receiving & Custody Review Checklist
AMWTP Analytical Chemistry Laboratory

Log Number: 1211051	Waste Stream ID: SR-W027-321M - HOM	NCR Initiation Required? ☐ Yes ☒ No
COC Numbers: 0000575,0000576,0000578,0000579,0000580,0000581,		IF Yes, NCR Number:
Reviewer: Duane Lundholm (Printed Name) Duane Lundholm (Signature) 11-6-12 (Date)		Procedure Number: CCP-TP-180 Revision 2

Instructions: Complete one checklist per analytical log. Enter the appropriate response for each question. Each "No" response requires explanation. A "No" response to a question may require initiation of an NCR.

Requirement	Yes	No	Comments
1. Field Chain of Custody (COC) Forms			
a. Was a COC form received with each shipping container?	☒	☐	
b. Did the content of each shipping container match that listed on the associated COC form?	☒	☐	
c. Are all custody transfers completely documented by signatures of relinquishers and receivers, with date and time of transfer?	☒	☐	
d. Does all sample information (e.g., sample ID, sampling date and time, sampling batch) listed on the COC form correspond with the information on the sample labels?	☒	☐	
e. Is the correct analysis requested for each sample?	☒	☐	
f. Are any corrections on the COC form appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
2. Sample Labels			
a. Was each sample received with a completed sample label?	☒	☐	
b. Do the field sample IDs on the sample labels correspond to those on the field COC form?	☒	☐	
c. Are the sampling batch number, sampling date, time and requested analysis recorded on each sample label, and correspond with those recorded on the COC form?	☒	☐	
d. Are the sampler initials, organization and sample description recorded on each sample label?	☒	☐	
e. Are any corrections on the sample labels appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
3. Sample Integrity			
a. Were custody seals used on the shipping container?	☒	☐	
b. Were custody seals used on each individual sample container?	☒	☐	
c. Were all custody seals intact and undamaged upon receipt at the laboratory?	☒	☐	
d. Were all custody seals placed such that the container could not be opened without damaging the seal?	☒	☐	
e. Has the physical integrity of each sample been maintained (e.g., no cracks or leaks)?	☒	☐	
f. Were all samples preserved during shipment with "Blue Ice" or equivalent cooling mechanism?	☒	☐	
g. Were all samples placed in refrigerated storage (4 ± 2 °C) after log-in?	☒	☐	
4. Internal Sample Tracking			
a. Are all samples logged into the Analytical Computer System (ACS)?	☒	☐	
b. Is all sample information correctly transcribed from the field documentation into the ACS?	☒	☐	
c. Are all sample containers labeled with the ACS log number and the laboratory sample ID?	☒	☐	
d. Is log information entered into the Sample Tracking Logbook?	☒	☐	

Contact the sampling organization if any discrepancies are found in the field COC and sample label documentation. Document the name of the person contacting the sampling organization, the name of the person contacted, the date and time of the contact, and the resolution of the problem.

0058

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

AMWTP Analytical Chemistry Laboratory

Data Generator Checklist for CCP

Data Report Number: ALD12030V	Analytical Batch: 1211051
Analysis Procedure: CCP-TP-184	Procedure Revision: 0
Analysis Date(s): 11-06-12	
Data Generator Signature:	

Criteria	Yes	No	Comments
1. Samples analyzed in accordance with cited analytical method.	✓		
2. All logbook entries completed in accordance with CCP-QP-008.	✓		
3. All data entry and corrections made in accordance with CCP-TP-188.	✓		
4. All raw data signed/initialed and dated in indelible black ink.	✓		
5. Data reviewed for completeness and accuracy.	✓		

0059

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total VOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1211051	Data Report: ALD12030V	Method: CCP-TP-184

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Release Signature	ITR Release Date
11-06-12	Faye Srala	11-15-12		12-05-12

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Instrument Performance Check (BFB Tune)	///	///	///	///
a. Was a BFB tune performed at the beginning of each 12-hour analytical shift, before analysis of standards or samples?	✓			
b. Does the BFB tune meet CCP-TP-184 acceptance criteria?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCAL)	///	///	///	///
a. Was a CCAL standard analyzed at the beginning of each 12-hour analytical shift, after the BFB tune but before sample analysis?	✓			
b. Are all CCC RRF or concentration (for modeled compounds) %Ds ≤20?	✓			
c. Are the RRFs ≥0.300 for SPCCs chlorobenzene and 1,1,2,2-tetrachloroethane, ≥0.100 for all other SPCCs, and ≥ 0.01 for non-SPCCs?	✓			
d. Are internal standard areas within 50 to 200% of the areas in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
e. Are internal standard retention times (RTs) within 30 seconds of the RT in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are the internal standard areas within 50 to 200% of those in the associated CCAL?	✓			
b. Are the internal standard retention times within 30 seconds of those in the associated CCAL?	✓			
c. Do all surrogate compound recoveries meet CCP-TP-184 acceptance criteria?	✓			
d. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			✓	
e. Are detected target analyte RRTs within 0.06 RRT units of the associated CCAL RRT, or is the qualitative identification justified by the operator?	✓			
f. In your opinion, do the sample spectra for positive hits match the reference spectra?	✓			
g. In your opinion, are the quantitation ion peak areas correctly integrated?	✓			
h. Was a TIC search conducted on each sample and blank in the analytical batch?	✓			
i. Are TIC identities appropriately assigned per the identification criteria of CCP-TP-184?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Was a blank (method or laboratory) analyzed daily prior to analysis of samples?	✓			
c. Are all laboratory and method blank results ≤3 × program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the ICAL standards?	✓			
c. Do percent recoveries for all spiked analytes in each LCS meet CCP-TP-184 acceptance criteria?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total VOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1211051	Data Report: ALD12030V	Method: CCP-TP-184

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Do all percent recoveries for the MS and MSD meet CCP-TP-184 acceptance criteria?	✓			
d. Do the RPDs between the MS and MSD meet CCP-TP-184 acceptance criteria?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples and associated extracts stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples extracted within 14 days of collection and analyzed (including dilutions and reanalyses) within 40 days of extraction?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and sample run log books for the analytical batch included in the supporting data package?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-184 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, MBs, ISA&RTs, LCSs, BFB tunes, ICALs, CCALs, CCAL ISA&RTs, and MDLs?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually-verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD12030S **Analysis Date:** 11-13-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			SSG12-00007
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: 10461597
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	
7. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			
12. Are the holding times between extraction and analysis within the 40-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1-9-13

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030S **Analysis Date:** 11-13-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**	X			
15. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-6**	X			
16. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-6**	X			
17. Are the %Rs for all MS compounds within the acceptance range? **Reference Source: CCP-PO-001, Table C3-7**		X		Matrix affects
18. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-7**	X			1-30-13
19. Are the %Rs for all MSD compounds within the acceptance range? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-6**		X		Matrix affects
20. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-6**		X		Matrix affects
21. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			
22. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	No target >PRQL

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030S **Analysis Date:** 11-13-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
23. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**	X			
24. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-7**	X			
25. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-7**	X			
26. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-7**		X		Matrix affects
27. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-7**	X			
28. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-7**	X			
29. Are the %RSDs for all other compounds ≤ 15%? **Reference Source: CCP-PO-001, Table C3-7**		X		Used alternative curve
30. Are the relative response factors (RRFs) for all target analytes System Performance Check Compounds (SPCCs) ≥ 0.05? **Reference Source: CCP-PO-001, Table C3-7 and SW 846**	X			
31. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-7**	X			
32. When an alternative curve is used, is the $r^2 \geq 0.990$? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**	X			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030S	Analysis Date: 11-13-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
33. If %RSD is greater than 15, is regression equation generated and used? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**	X			
34. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-7**	X			
35. Were the decafluorotriphenylphosphine (DFTPP) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**	X			
36. Is the DFTPP Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-7**	X			
37. Is DFTPP tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**	X			
38. Were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**	X			
39. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**	X			
40. Are the %Ds for the continuing calibration less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-7**	X			
41. Is the RT for the continuing calibration internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-7**	X			
42. Is the continuing calibration internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-7**	X			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030S	Analysis Date: 11-13-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
43. Does the BDR include MDLs (mg/kg) that are ≤ PRQL in Table C3-6? **Reference Source: CCP-PO-001, Table C3-6**	X			
44. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
45. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
46. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
47. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
48. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
49. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
50. Does the initial calibration contain at least one calibration standard less than or equal to the PRQL? **Reference Source: CCP-PO-001, C3-7**	X			
51. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-7**	X			
52. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-6**	X			
53. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-7**	X			

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030S Analysis Date: 11-13-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
54. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-7**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		1-9-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

CHARLES TURNER		Made a correction	1-30-13
SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP Advanced Mixed Waste Treatment Project

Idaho Treatment Group

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

RCRA Analysis Data Report

Batch Data Report Number:	ALD12030S	Analytical Method:	CCP-TP-185 CCP-TP-187
Revision Number:	0	Analyte(s):	SVOCs
Change Number:	0		
Issue Date:	12/05/12		
Waste Generator Site:	CCP-SRS		

Summary: This data report contains analysis results for 6 samples from Sampling Batch SSG12-00007.

Report Content:

Section	Content	Pages
1	Sample Identification Table	0002 – 0003
2	Sample Custody Documents	0004 – 0011
3	Analysis Results	0012 – 0027
4	Batch QC Sample Results	0028 – 0035
5	Instrument QC Data	0036 – 0046
6	Data Review Checklists	0047 – 0051

Laboratory Release Authorization:

Independent Technical Reviewer	Signature	Date
Bill Strong		12-05-12

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

Section 1

Sample Identification Table

TOTAL SVOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory
Central Characterization Project

Preparation Method: CCP-TP-187-R1
Analytical Method: CCP-TP-185-R1
Data Report Number: ALD12030S
Analytical Batch ID: 1211051

Field Sample ID	Lab Sample ID
NA	LBS110612A
NA	LCSS1211051A
10468164MSDL20	2CE04MSDL20
10468164MSDDL20	2CE04MSDDL20
10467853DL40	2CD69DL40
10468126DL40	2CD80DL40
10468134DL40	2CD89DL40
10468152DL40	2CD96DL40
10468164DL20	2CE04DL20
10467841DL40	2CD66DL40

0003

Section 2

Sample Custody Documents

AMWTP

ALD LOG # 1211051

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 1 of 2

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1033	
Received By	David J. Preston	David J. Preston	11/05/12 1033	

COPY OF IN-PROCESS RECORD

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On site Tranfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

9000

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	[signature]	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FGE of parent drum used to transfer samples to lab. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 1 TID# 585262 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1050	
Received By	David J. Preston	David J. Preston	11/05/12 1050	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1051	FGE of parent drum used for transfer of samples. On Site Transfer. David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC DGF 11/6/12	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NHVOC	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1055	
Received By	David J. Preston	David J. Preston	11/05/12 1055	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1056	FGE of parent drum used for transfer of samples. On Site Transfer David Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP **Analytical Location:** Analytical Chemistry Lab **Sampling Location:** WMF-634 Coring Glove Box **Sample Matrix:** Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1103	
Received By	David J. Preston	David J Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer. Transfer Container ID: 5 TID #585257 David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1113	
Received By	David J. Preston	David J Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Section 3

Analysis Results

AMWTP Analytical Chemistry Laboratory

Data Report Narrative for ALD12030S

This data report contains semivolatile organic compound (SVOC) analysis results for six samples from waste drums received 11/05/12 from AMWTP for CCP-SRS.

Sample preparation and analysis was performed using CCP-TP-187 Revision 1 and CCP-TP-185 Revision 1, which implement EPA SW-846 Methods 3550B and 8270C, respectively.

The holding time for solid samples is 14 days from collection to extraction and 40 days from extraction to analysis. All samples were analyzed within the required holding times.

There is one initial calibration (ICAL), IS812W04, associated with these analyses. All compounds use average response factors for quantitation except pentachlorophenol and 2,4-dintrophenol. Pentachlorophenol uses a quadratic regression and 2,4-dintrophenol uses a linear regression.

All lab blank and LCS analytical QC meet acceptance criteria for this analytical batch. QC acceptance criteria outliers for the samples are noted below.

None of the samples blew down to a final extract volume of 1 mL because of high oil content. These samples were also run diluted to protect the instrument. All surrogates were diluted out due to the oily sample matrix. 1,4-Dichlorobenzene and 2,4-dinitrotoluene were diluted out in the MS and MSD also due to the oily sample matrix. Pentachlorophenol showed high recoveries in the MS and MSD. Since the RPD for MS and MSD is good, and since the LCS recoveries were satisfactory, we believe the high recoveries are caused by the sample matrix. All sample Form 1s are Z flagged for pentachlorophenol due to the high MS and MSD recoveries.

The larger extract volumes, plus the required at-instrument dilutions, resulted in elevated MDLs for these samples. In sample 2CD66, sample-specific MDLs for all target analytes are elevated above the PRQLs. In samples 2CD69, 2CD80, 2CD89, and 2CD96 sample-specific MDLs for 1,2-dichlorobenzene, 1,4-dichlorobenzene, 2,4-dinitrotoluene, hexachlorobenzene, hexachloroethane, and nitrobenzene are elevated above the PRQLs and sample specific MDLs for 2,4-dinitrophenol, 2-methylphenol, 3&4-methylphenol, and pentachlorophenol are elevated above the program-required MDLs but less than or equal to the PRQLs. In sample 2CE04, sample specific MDLs for 2,4-dinitrotoluene, and hexachlorobenzene are elevated above the PRQLs and sample specific MDLs for all other compounds are elevated above the program-required MDLs but less than or equal to the PRQLs.

AMWTP Analytical Chemistry Laboratory

Data Report Narrative for ALD12030S

There is an apparent discrepancy between the raw data sheets and the forms for sample 2CE04 (and associated MS and MSD). The raw data appends the sample name with DL6 (e.g. 2CE04DL6). The forms append the sample name with DL20. The difference is due to the form generating program. The sample preparation log shows that the sample could only blow down to 3 mL, therefore the final blow-down volume is 3 mL. After all of the available rad decon steps were utilized, the sample retained some radiological contamination. Diluting the 3 mL to 10 mL reduced the rad contamination sufficiently for the extract to come out of the hood. This diluted the extract by 3⅓. The oily nature of the sample required a further dilution of 6 to protect the instrument from overload and chemical contamination. This 6 is the dilution factor that shows on the raw data sheets. Our form generating program only has input for one dilution. The input value is 20 (6 times 3⅓). This 20 is the value that shows on the forms.

The CAS number for 3&4-methylphenol on Form I is 65794-96-9. The CAS number for 4-methylphenol is 106-44-5. The CAS number for 3-methylphenol is 108-39-4.

AMWTP Analytical Chemistry Laboratory

Central Characterization Project

Data Qualifier Flag Definitions for SVOCs

Flag	Definition
B	Analyte detected in associated laboratory blank
E	Reported analyte concentration exceeds the calibration range
D	Reported analyte concentration is from a secondary dilution of the sample
H	Holding time exceeded
J	Target Analyte concentration <PRQL but ≥ MDL
J	TIC concentration is estimated by comparison to nearest internal standard, and has high analytical uncertainty.
N	Presumptive evidence of a compound, based on a mass spectral library search (TICs only)
U	Analyte was undetected (reported as sample-specific MDL)
Z	One or more QC sample results do not meet acceptance criteria

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467841DL40	Lab Sample ID:	2CD66DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801525
Date Sampled:	11/2 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/13/2012 17:27	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	94	UD
106-46-7	1,4-Dichlorobenzene	94	UD
51-28-5	2,4-Dinitrophenol	47	UD
121-14-2	2,4-Dinitrotoluene	47	UD
118-74-1	Hexachlorobenzene	47	UD
67-72-1	Hexachloroethane	94	UD
95-48-7	2-Methylphenol	47	UD
65794-96-9	3&4-Methylphenol	47	UD
98-95-3	Nitrobenzene	94	UD
87-86-5	Pentachlorophenol	47	UDZ

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467841DL40	Lab Sample ID:	2CD66DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801525
Date Sampled:	11/2 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/13/2012 17:27	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0017

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467853DL40	Lab Sample ID:	2CD69DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801520
Date Sampled:	11/2 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/13/2012 13:52	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	80	UD
106-46-7	1,4-Dichlorobenzene	80	UD
51-28-5	2,4-Dinitrophenol	40	UD
121-14-2	2,4-Dinitrotoluene	40	UD
118-74-1	Hexachlorobenzene	40	UD
67-72-1	Hexachloroethane	80	UD
95-48-7	2-Methylphenol	40	UD
65794-96-9	3&4-Methylphenol	40	UD
98-95-3	Nitrobenzene	80	UD
87-86-5	Pentachlorophenol	40	UDZ

0018

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467853DL40	Lab Sample ID:	2CD69DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801520
Date Sampled:	11/2 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/13/2012 13:52	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0019

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468126DL40	Lab Sample ID:	2CD80DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801521
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 14:35	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	64	UD
106-46-7	1,4-Dichlorobenzene	64	UD
51-28-5	2,4-Dinitrophenol	32	UD
121-14-2	2,4-Dinitrotoluene	32	UD
118-74-1	Hexachlorobenzene	32	UD
67-72-1	Hexachloroethane	64	UD
95-48-7	2-Methylphenol	32	UD
65794-96-9	3&4-Methylphenol	32	UD
98-95-3	Nitrobenzene	64	UD
87-86-5	Pentachlorophenol	32	UDZ

0020

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468126DL40	Lab Sample ID:	2CD80DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801521
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 14:35	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0021

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468134DL40	Lab Sample ID:	2CD89DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801522
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 15:18	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	80	UD
106-46-7	1,4-Dichlorobenzene	80	UD
51-28-5	2,4-Dinitrophenol	40	UD
121-14-2	2,4-Dinitrotoluene	40	UD
118-74-1	Hexachlorobenzene	40	UD
67-72-1	Hexachloroethane	80	UD
95-48-7	2-Methylphenol	40	UD
65794-96-9	3&4-Methylphenol	40	UD
98-95-3	Nitrobenzene	80	UD
87-86-5	Pentachlorophenol	40	UDZ

0022

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468134DL40	Lab Sample ID:	2CD89DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801522
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 15:18	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0023

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468152DL40	Lab Sample ID:	2CD96DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801523
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 16:01	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	80	UD
106-46-7	1,4-Dichlorobenzene	80	UD
51-28-5	2,4-Dinitrophenol	40	UD
121-14-2	2,4-Dinitrotoluene	40	UD
118-74-1	Hexachlorobenzene	40	UD
67-72-1	Hexachloroethane	80	UD
95-48-7	2-Methylphenol	40	UD
65794-96-9	3&4-Methylphenol	40	UD
98-95-3	Nitrobenzene	80	UD
87-86-5	Pentachlorophenol	40	UDZ

0024

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468152DL40	Lab Sample ID:	2CD96DL40
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801523
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 16:01	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	40
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0025

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468164DL20	Lab Sample ID:	2CE04DL20
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801524
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 16:44	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	20
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	24	UD
106-46-7	1,4-Dichlorobenzene	24	UD
51-28-5	2,4-Dinitrophenol	12	UD
121-14-2	2,4-Dinitrotoluene	12	UD
118-74-1	Hexachlorobenzene	12	UD
67-72-1	Hexachloroethane	24	UD
95-48-7	2-Methylphenol	12	UD
65794-96-9	3&4-Methylphenol	12	UD
98-95-3	Nitrobenzene	24	UD
87-86-5	Pentachlorophenol	12	UDZ

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468164DL20	Lab Sample ID:	2CE04DL20
Sampling Batch No:	SSG12-00007	Lab File ID:	SS801524
Date Sampled:	11/4 /2012	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/13/2012 16:44	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	20
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0027

Section 4

Batch QC Sample Results

TOTAL SVOC ANALYSIS
SURROGATE RECOVERY FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-187-R1

Analytical Method: CCP-TP-185-R1

Data Report Number: ALD12030S

Analytical Batch ID: 1211051

Instrument ID: SV-8

Sample Matrix: SOLID

	LAB SAMPLE ID	SMC1 %R (2FP)	SMC2 %R (PHL)	SMC3 %R (NBZ)	SMC4 %R (FBP)	SMC5 %R (TBP)	SMC6 %R (TPH)	TOTAL OUT
1	LBS110612A	71	75	68	74	84	87	0
2	LCSS1211051A	56	60	55	61	75	88	0
3	2CE04MSDL20	0 D	0 D	0 D	0 D	0 D	0 D	0
4	2CE04MSDDL20	0 D	0 D	0 D	0 D	0 D	0 D	0
5	2CD69DL40	0 D	0 D	0 D	0 D	0 D	0 D	0
6	2CD80DL40	0 D	0 D	0 D	0 D	0 D	0 D	0
7	2CD89DL40	0 D	0 D	0 D	0 D	0 D	0 D	0
8	2CD96DL40	0 D	0 D	0 D	0 D	0 D	0 D	0
9	2CE04DL20	0 D	0 D	0 D	0 D	0 D	0 D	0
10	2CD66DL40	0 D	0 D	0 D	0 D	0 D	0 D	0

Acceptance Criteria

S1 (2FP) = 2-Fluorophenol	Detected - 82
S2 (PHL) = Phenol-d6	Detected - 87
S3 (NBZ) = Nitrobenzene-d5	Detected - 90
S4 (FBP) = 2-Fluorobiphenyl	Detected - 97
S5 (TBP) = 2,4,6-Tribromophenol	Detected - 115
S6 (TPH) = p-Terphenyl-d14	Detected - 135

Z =Values Outside of Acceptance Criteria

D = Surrogates diluted out

0029

TOTAL SVOC ANALYSIS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORTING FORM

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method:	CCP-TP-187-R1			Data Report Number:	ALD12030S
Analytical Method:	CCP-TP-185-R1			Analytical Batch ID:	1211051
Instrument ID:	SV-8			Matrix:	SOLID
Lab Sample ID:	2CE04DL20	MS Lab Sample ID:	2CE04MSDL20	MSD Lab Sample ID:	2CE04MSDDL20
Field Sample ID:	10468164DL20	MS Field Sample ID:	10468164MSDL20	MSD Field Sample ID:	10468164MSDDL20
Lab File ID:	SS801524	MS Lab File ID:	SS801517	MSD Lab File ID:	SS801518
Date Analyzed:	11/13/2012	MS Date Analyzed:	11/13/2012	MSD Date Analyzed:	11/13/2012

TARGET ANALYTE	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	SPIKED SAMPLE CONCENTRATION mg/kg	MS % RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
1,4-Dichlorobenzene	5.00	1.20 U	1.20 U	0 D	20 - 124
2,4-Dinitrotoluene	5.00	0.60 U	0.60 U	0 D	39 - 139
Pentachlorophenol	10.00	0.60 U	46.56	466 Z	14 - 176

TARGET ANALYTE	SPIKE ADDED mg/kg	DUPLICATE SPIKED SAMPLE CONCENTRATION mg/kg	%RPD	MSD % RECOVERY	QC LIMITS RPD
1,4-Dichlorobenzene	5.00	1.20 U	0.0	0 D	≤ 86
2,4-Dinitrotoluene	5.00	0.60 U	0.0	0 D	≤ 46
Pentachlorophenol	10.00	43.92	11.7	439 Z	≤ 128

Z =Values Outside of Acceptance Criteria

D = Spiked Analytes Diluted Out

RPD: 0 out of 3 outside limits

Spike Recovery: 2 out of 6 outside limits

0030

TOTAL SVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBS110612A
Sampling Batch No:	NA	Lab File ID:	BS801514
Date Sampled:	NA	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	NA		
Date/Time Analyzed:	11/13/2012 09:36	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

CAS #	TARGET ANALYTE	CONCENTRATION mg/kg	Q
95-50-1	1,2-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
51-28-5	2,4-Dinitrophenol	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
118-74-1	Hexachlorobenzene	0.20	U
67-72-1	Hexachloroethane	0.40	U
95-48-7	2-Methylphenol	0.20	U
65794-96-9	3&4-Methylphenol	0.20	U
98-95-3	Nitrobenzene	0.40	U
87-86-5	Pentachlorophenol	0.20	U

TOTAL SVOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	NA	Lab Sample ID:	LBS110612A
Sampling Batch No:	NA	Lab File ID:	BS801514
Date Sampled:	NA	Data Report Number:	ALD12030S
Date Extracted:	11/6 /2012	Analytical Batch ID:	1211051
Extraction Holding Time:	NA		
Date/Time Analyzed:	11/13/2012 09:36	Instrument ID:	SV-8
Analysis Holding Time:	7 days	Matrix:	SOLID
Preparation Method:	CCP-TP-187-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-185-R1		

Number of TICs Found: 0

	CAS Number	Tentatively Identified SVOCs	Concentration mg/kg	Q	Retention Time (min)
1		None			

0032

TOTAL SVOC ANALYSIS
LABORATORY CONTROL SAMPLE FORM
(QC REFERENCE CHECK)

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date Extracted:	11/6/2012	Lab Sample ID:	LCSS1211051A
Date/Time Analyzed:	11/13/2012 10:18	Lab File ID:	LS801515
Preparation Method:	CCP-TP-187-R1	Data Report Number:	ALD12030S
Analytical Method:	CCP-TP-185-R1	Analytical Batch ID:	1211051
		Instrument ID:	SV-8
		Matrix:	SOLID

TARGET ANALYTE	MEASURED CONCENTRATION mg/kg	KNOWN CONCENTRATION mg/kg	PERCENT RECOVERY	ACCEPTANCE CRITERIA % RECOVERY
1,4-Dichlorobenzene	3.13	5.00	63	20 - 124
2,4-Dinitrotoluene	3.32	5.00	66	39 - 139
Pentachlorophenol	8.69	10.00	87	14 - 176

0033

Z =Values Outside of Acceptance Criteria

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 11/13/2012 08:53

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC111312A

Daily CCAL Lab File ID: CS801513

Data Report Number: ALD12030S

Analytical Batch ID: 1211051

Instrument ID: SV-8

	IS1 (DCB) Area	RT (min.)	IS2 (NPT) Area	RT (min.)	IS3 (ANT) Area	RT (min.)
12 HOUR STANDARD	447257	8.75	1913835	11.12	1041907	14.43
UPPER LIMIT	894514	9.25	3827670	11.62	2083814	14.93
LOWER LIMIT	223628	8.25	956918	10.62	520954	13.93

	Lab Sample ID						
1	LBS110612A	444814	8.75	1875447	11.12	1014037	14.43
2	LCSS1211051A	434451	8.75	1840935	11.12	997654	14.43
3	2CE04MSDL20	425712	8.75	1853303	11.12	1058085	14.43
4	2CE04MSDDL20	594489	8.75	2531921	11.12	1406023	14.43
5	2CD69DL40	465295	8.75	1993698	11.12	1130925	14.43
6	2CD80DL40	480928	8.75	2039095	11.12	1157940	14.43
7	2CD89DL40	632650	8.75	2680113	11.12	1559934	14.43
8	2CD96DL40	479592	8.75	2060970	11.12	1199438	14.43
9	2CE04DL20	476496	8.75	2069809	11.12	1199150	14.43
10	2CD66DL40	561702	8.75	2367120	11.12	1375617	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area

Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT

RT lower limit = -30 seconds of internal standard RT

0034

TOTAL SVOC ANALYSIS
INTERNAL STANDARD AREA AND RT SUMMARY

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

Date/Time Analyzed: 11/13/2012 08:53

Analytical Method: CCP-TP-185-R1

Daily CCAL Sample ID: CC111312A

Daily CCAL Lab File ID: CS801513

Data Report Number: ALD12030S

Analytical Batch ID: 1211051

Instrument ID: SV-8

	IS4 (PHN) Area	RT (min.)	IS5 (CRY) Area	RT (min.)	IS6 (PRY) Area	RT (min.)
12 HOUR STANDARD	1616868	17.19	1311408	22.24	944351	25.92
UPPER LIMIT	3233736	17.69	2622816	22.74	1888702	26.42
LOWER LIMIT	808434	16.69	655704	21.74	472176	25.42

	Lab Sample ID						
1	LBS110612A	1555102	17.19	1332701	22.24	938241	25.92
2	LCSS1211051A	1521376	17.19	1171972	22.24	769329	25.92
3	2CE04MSDL20	1661685	17.19	1136512	22.26	724593	25.93
4	2CE04MSDDL20	2155122	17.19	1612117	22.25	1062044	25.92
5	2CD69DL40	1791762	17.18	1271340	22.25	889813	25.93
6	2CD80DL40	1854479	17.19	1352997	22.25	966614	25.93
7	2CD89DL40	2486901	17.19	1723116	22.25	1211707	25.92
8	2CD96DL40	1939109	17.19	1420963	22.26	1063959	25.93
9	2CE04DL20	1562907	17.19	1414967	22.26	878466	25.93
10	2CD66DL40	2201161	17.19	1831104	22.25	1408430	25.92

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

Z = Values outside of Acceptance Criteria

Area upper limit = +100% of internal standard area

Area lower limit = -50% of internal standard area

RT upper limit = +30 seconds of internal standard RT

RT lower limit = -30 seconds of internal standard RT

0035

Section 6

Data Review Checklists

CCP Sample Receiving & Custody Review Checklist
AMWTP Analytical Chemistry Laboratory

Log Number: 1211051	Waste Stream ID: SR-W027-321M - HOM	NCR Initiation Required? ☐ Yes ☒ No
COC Numbers: 0000575,0000576,0000578,0000579,0000580,0000581,		IF Yes, NCR Number:
Reviewer: Duane Lundholm (Printed Name) Duane Lundholm (Signature) 11-6-12 (Date)		Procedure Number: CCP-TP-180 Revision 2

Instructions: Complete one checklist per analytical log. Enter the appropriate response for each question. Each "No" response requires explanation. A "No" response to a question may require initiation of an NCR.

Requirement	Yes	No	Comments
1. Field Chain of Custody (COC) Forms			
a. Was a COC form received with each shipping container?	☒	☐	
b. Did the content of each shipping container match that listed on the associated COC form?	☒	☐	
c. Are all custody transfers completely documented by signatures of relinquishers and receivers, with date and time of transfer?	☒	☐	
d. Does all sample information (e.g., sample ID, sampling date and time, sampling batch) listed on the COC form correspond with the information on the sample labels?	☒	☐	
e. Is the correct analysis requested for each sample?	☒	☐	
f. Are any corrections on the COC form appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
2. Sample Labels			
a. Was each sample received with a completed sample label?	☒	☐	
b. Do the field sample IDs on the sample labels correspond to those on the field COC form?	☒	☐	
c. Are the sampling batch number, sampling date, time and requested analysis recorded on each sample label, and correspond with those recorded on the COC form?	☒	☐	
d. Are the sampler initials, organization and sample description recorded on each sample label?	☒	☐	
e. Are any corrections on the sample labels appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
3. Sample Integrity			
a. Were custody seals used on the shipping container?	☒	☐	
b. Were custody seals used on each individual sample container?	☒	☐	
c. Were all custody seals intact and undamaged upon receipt at the laboratory?	☒	☐	
d. Were all custody seals placed such that the container could not be opened without damaging the seal?	☒	☐	
e. Has the physical integrity of each sample been maintained (e.g., no cracks or leaks)?	☒	☐	
f. Were all samples preserved during shipment with "Blue Ice" or equivalent cooling mechanism?	☒	☐	
g. Were all samples placed in refrigerated storage (4 ± 2 °C) after log-in?	☒	☐	
4. Internal Sample Tracking			
a. Are all samples logged into the Analytical Computer System (ACS)?	☒	☐	
b. Is all sample information correctly transcribed from the field documentation into the ACS?	☒	☐	
c. Are all sample containers labeled with the ACS log number and the laboratory sample ID?	☒	☐	
d. Is log information entered into the Sample Tracking Logbook?	☒	☐	

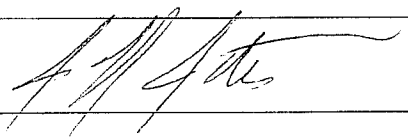
Contact the sampling organization if any discrepancies are found in the field COC and sample label documentation. Document the name of the person contacting the sampling organization, the name of the person contacted, the date and time of the contact, and the resolution of the problem.

0048

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

AMWTP Analytical Chemistry Laboratory

Data Generator Checklist for CCP

Data Report Number: ALD12030S	Analytical Batch: 1211051
Analysis Procedure: CCP-TP-185	Procedure Revision: 1
Analysis Date(s): 11/13/12	
Data Generator Signature: 	

Criteria	Yes	No	Comments
1. Samples analyzed in accordance with cited analytical method.	✓		
2. All logbook entries completed in accordance with CCP-QP-008.	✓		
3. All data entry and corrections made in accordance with CCP-TP-188.	✓		
4. All raw data signed/initialed and dated in indelible black ink.	✓		
5. Data reviewed for completeness and accuracy.	✓		

0049

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total SVOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1211051	Data Report: ALD12030S	Methods: CCP-TP-185 and CCP-TP-187

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Signature Release	ITR Release Date
11/13/12	Jeff Jeter	11-20-12		12-05-12

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Instrument Performance Check (DFTPP Tune)	///	///	///	///
a. Was a DFTPP tune performed at the beginning of each 12-hour analytical shift, before analysis of standards or samples?	✓			
b. Does the DFTPP tune meet CCP-TP-185 acceptance criteria?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCAL)	///	///	///	///
a. Was a CCAL standard analyzed at the beginning of each 12-hour analytical shift, after the DFTPP tune but before sample analysis?	✓			
b. Are all CCC RRF or concentration (for modeled compounds) %Ds ≤20?	✓			
c. Are the RRFs ≥0.050 for all SPCCs and ≥ 0.01 for non-SPCCs?	✓			
d. Are internal standard areas within 50 to 200% of the areas in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
e. Are internal standard retention times (RTs) within 30 seconds of the RT in the last daily calibration standard (CCAL or midpoint ICAL standard)?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are the internal standard areas within 50 to 200% of those in the associated CCAL?	✓			
b. Are the internal standard retention times within 30 seconds of those in the associated CCAL?	✓			
c. Do all surrogate compound recoveries meet CCP-TP-185 acceptance criteria?	✓			See Narrative
d. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			✓	
e. Are detected target analyte RRTs within 0.06 RRT units of the associated CCAL RRT, or is the qualitative identification justified by the operator?	✓			
f. In your opinion, do the sample spectra for positive hits match the reference spectra?	✓			
g. In your opinion, are the quantitation ion peak areas correctly integrated?	✓			
h. Was a TIC search conducted on each sample and blank in the analytical batch?	✓			
i. Are TIC identities appropriately assigned per the identification criteria of CCP-TP-185?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Are all laboratory blank results ≤3 × program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the ICAL standards?	✓			
c. Do percent recoveries for all spiked analytes in each LCS meet CCP-TP-185 acceptance criteria?	✓			
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Do all percent recoveries for the MS and MSD meet CCP-TP-185 acceptance criteria?	✓			
d. Do the RPDs between the MS and MSD meet CCP-TP-185 acceptance criteria?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total SVOCs in Homogeneous Solids and Soil/Gravel by GC/MS

Analytical Batch: 1211051	Data Report: ALD12030S	Methods: CCP-TP-185 and CCP-TP-187

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all extracts stored at < -10 °C between preparation and analysis?	✓			
e. Were all samples extracted within 14 days of collection and analyzed (including dilutions and reanalyses) within 40 days of extraction?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed (in permanent black ink) and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and analysis run log books for the analytical batch included in the supporting data package?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-185 or CCP-TP-187 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets and TIC Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, D, E, H, Z, and N qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, MBs, ISA&RTs, LCSs, DFTPP tunes, ICALs, CCALs, CCAL ISA&RTs, and MDLs?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary

BDR Number: ALD12030M	Analysis Date: 11/13/2012, 11/20/2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			AMWTP Cross Reference included as attachment. The AMWTP Chain of Custody is included in the BDR.
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: SRS ID AMWTP ID SR500174 10461597
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	No NCRs associated with this BDR.
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times within the 180-day requirement (except Mercury)? **Reference Source: CCP-PO-001, Table C1-4**	X			
12. Are holding times within the 28-day requirement for Mercury? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1/10/13

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030M	Analysis Date: 11/13/2012, 11/20/2012			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
14. Do the found values for all LCS analytes fall within the low/high control limits listed on the Laboratory Control Sample Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-8 Footnote b**	X			
15. Is there a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
16. Do the %Rs for all MS analytes meet the 80-120 %R requirements? **Reference Source: CCP-PO-001, Table C3-8**	X			Mercury recovery was outside the 80-120% criteria. All associated data appropriately flagged with a "Z".
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-9**	X			
18. Do the %Rs for all MSD analytes meet the 80-120 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-8**	X			Mercury recovery was outside the 80-120% criteria. All associated data appropriately flagged with a "Z".
19. Are the MS/MSD relative percent differences (RPDs) for all analytes less than or equal to 30? **Reference Source: CCP-PO-001, Table C3-8**	X			
20. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			CP:13:01008 UFC:5900.00
21. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**	X			

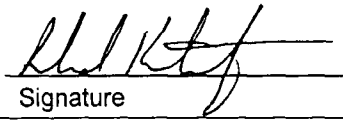
Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030M				Analysis Date: 11/13/2012, 11/20/2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
22. Is serial dilution performed once per analytical batch? Note: This applies only to inductively coupled plasma (ICP) analysis. **Reference Source: CCP-PO-001, Table C3-9**	X			
23. Is the serial dilution result ≤10% D for initial sample results >50 x IDL? If no, sample results must be "Z" flagged for sample results >10% D and >50 x IDL? Note: This applies only to ICP analysis. **Reference Source: CCP-PO-001, Table C3-9**	X			
24. Is the ICP initial calibration performed each day of operation? Note: This is a one standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**	X			
25. Is the ICP %R for the initial calibration verification (ICV) check standard within the 90% to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
26. Is Mercury initial calibration performed each day of operation? Note: This is a five-standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**	X			
27. Is the Mercury %R for the ICV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
28. Is the Mercury regression coefficient (r) greater than or equal to 0.995? **Reference Source: CCP-PO-001, Table C3-9**	X			
29. Is continuing calibration verification (CCV) performed every 10 samples, and at the beginning and end of the run? **Reference Source: CCP-PO-001, Table C3-9**	X			
30. Is the ICP %R for the CCV within the 90 to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030M	**Analysis Date: 11/13/2012, 11/20/2012**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
31. Is the Mercury %R for the CCV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**	X			
32. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**	X			
33. Are all lab blanks analytes ≤ 3 the IDL? **Reference Source: CCP-PO-001, Table C3-9**	X			Zinc Lab Blank result > 3X IDL. All Zinc results sufficiently large that data are not affected.
34. Is interference correction verification performed at the beginning and end of the analytical batch or every 8 hours for ICP (12 hours for ICP/MS), whichever is more frequent? **Reference Source: CCP-PO-001, Table C3-9**	X			
35. Are solutions containing interference plus analytes within the 80 to 120 %R acceptance range for all analytes? *Note: If response is no AND sample interferents are reported on the Total Metals Analysis Data Sheets at levels ≥ levels in the ICS(A) solution and an NCR has not already been produced at the DGL, write an NCR.* **Reference Source: CCP-PO-001, Table C3-9**	X			
36. Does the BDR include IDLs (µg/L) that are ≤ PRDL? **Reference Source: CCP-PO-001, Table C3-8**	X			
37. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
38. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
39. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030M	**Analysis Date: 11/13/2012, 11/20/2012**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
40. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
41. Have the batch samples been properly preserved (cool to 4° C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
42. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
43. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-8**	X			
44. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-8**	X			
45. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-8**	X			
46. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-8**	X			
47. Has the laboratory had acceptable demonstration of precision, accuracy, and IDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, C3-8**	X			
Comments: AMWTP Cross Reference included as SPM-1. This BDR contains six results all taken from one container, see SPM-2.				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Richard Kantrowitz				01/10/2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP

Advanced Mixed Waste Treatment Project

AMWTP

Date: 15-Oct-2012

Time: 06:23

Offsite Waste Shipment

S S G 1 2 - 0 0 0 0 7

WSS-EE-12-17

Shipping No. SRIN12002 **Manifest No.** 001077697GBF

Proposed Shipment Date 20-SEP-12 **Manifest Receipt Date** 23-SEP-12

Repsonsible Project SRS **# of Containers** 5

Historical Id	Container ID	Container Type	Historical IDC	Treatment Path	Waste Profile Name	Inspection Date	Fingerprint Required	Fingerprint Complete
BC0151	10461598	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	Yes	10/01/12
BC0166	10461596	425	SR-261	CORE	SR-BCLDP.003.001	09/23/2012	No	
SR500174	10461597	425	SR-260	CORE	SR-W027-321M-HOM	09/23/2012	No	
SRSB01270			-				No	
SRSB01271			-				No	

***** End of Offsite Waste Shipment Report *****

660003

SPM-1

AMWTP
Advanced Mixed Waste Treatment Project

AMWTP

Batch Report Coversheet

Date: 05-Nov-2012

Time: 16:45

Batch Type Solid Sampling Grab
Batch Report No. SSG12-00007
Batch Id SSG12-00007
Open Date 02-NOV-12 09:02:55
Close Date 05-NOV-12 16:42:41
Batch Status CLOSED
Test Facility Idaho AMWTP
Equipment Id Z-250-801 634-Coring

Container Id	IDC	Analysis Id	Date Examined	QC Type	Analysis Status	Operator
10461597	SR-260	691	02-NOV-12 13:04:47	Original	P	MICHAEL KREMIN
10461597	SR-260	692	02-NOV-12 13:04:34	Replicate / Duplicate	P	MICHAEL KREMIN
10461597	SR-260	693	04-NOV-12 10:47:00	Original	P	DAVEY SUMNERS
10461597	SR-260	694	04-NOV-12 12:31:00	Original	P	DAVEY SUMNERS
10461597	SR-260	695	04-NOV-12 13:22:00	Original	P	DAVEY SUMNERS
10461597	SR-260	696	04-NOV-12 14:21:00	Original	P	DAVEY SUMNERS

660004

SPM-2

AMWTP Advanced Mixed Waste Treatment Project

Idaho Treatment Group

Advanced Mixed Waste Treatment Project

Analytical Chemistry Laboratory

Central Characterization Project

RCRA Analysis Data Report

Batch Data Report Number: ALD12030M
Revision Number: 0
Change Number: 0

Analytical Method: CCP-TP-181
CCP-TP-182
CCP-TP-183

Analyte(s): Metals

Issue Date: 12/10/12

Waste Generator Site: CCP-SRS

Summary: This data report contains analysis results for 6 samples from Sampling Batch SSG12-00007.

Report Content:

Section	Content	Pages
1	Sample Identification Table	0002 – 0003
2	Sample Custody Documents	0004 – 0011
3	Analysis Results	0012 – 0021
4	Batch QC Sample Results	0022 – 0028
5	Instrument QC Data	0029 – 0039
6	Data Review Checklists	0040 – 0049

Laboratory Release Authorization:

Independent Technical Reviewer	Signature	Date
Jeffrey S. Laug		12/10/2012

CCP RECORDS ORIGINAL
DATE REC'D 12-10-12

Section 1

Sample Identification Table

TOTAL METALS SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Data Report Number: ALD12030M
Analytical Batch ID: 1211051

Method, ICP-AES Preparation: CCP-TP-183-R0
Method, ICP-AES Analysis: CCP-TP-182-R1
Method, CVAA: CCP-TP-181-R0

Microwave Digester ID: MW-3
Instrument ID, ICP-AES: ICP-7
Instrument ID, CVAA: CVHG-2

Field Sample ID	Lab Sample ID
10467841	2CD66
10467853	2CD69
10468126	2CD80
10468134	2CD89
10468152	2CD96
10468164	2CE04
10468126S	2CD80S
10468126SD	2CD80SD

Section 2

Sample Custody Documents

AMWTP

ALD LOG # 1211051

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 1 of 2

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners		11/05/12 1033	
Received By	David J. Preston		11/05/12 1033	

3 of 9

COPY OF IN-PROCESS RECORD

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On Site Tranfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

0006

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	[signature]	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FGE of parent drum used to transfer samples to lab. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 1 TID# 585262 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

COPY OF IN-PROCESS RECORD

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1050	
Received By	David J. Preston	David J. Preston	11/05/12 1050	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1051	FGE at parent drum used for transfer of samples. On Site Transfer. David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NHVOC DAP 11/6/12	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

6000

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1055	
Received By	David J. Preston	David J. Preston	11/05/12 1055	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1056	FGE of parent drum used for transfer of samples. On Site Transfer David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

0010

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1103	
Received By	David J. Preston	David J Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer.
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 5 TID #585257 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1113	
Received By	David J. Preston	David J Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Section 3

Analysis Results

Data Report Narrative for ALD12030M

SRS

Sampling Batch Numbers: SSG12-00007

Analytical Batch ID: 1211051

ICP-AES

Sample Preparation

The samples were prepared for metals analysis on 11/12/12 according to CCP-TP-183, Revision 0. The following table summarizes the preparation batch.

Log Number	Field Sample ID	Lab Sample ID
1211051	10467841	2CD66
1211051	10467853	2CD69
1211051	10468126	2CD80
1211051	10468126S & SD	2CD80S & SD
1211051	10468134	2CD89
1211051	10468152	2CD96
1211051	10468164	2CE04

Both an LCS and a Laboratory Blank were prepared with the samples. The LCS was prepared using aliquots from an Environmental Resource Associates Priority PollutnT Inorganic Soil Standard, Lot # D067-540.

Sample Analysis

The analytical run was performed on 11/20/12 following CCP-TP-182, Revision 1. QC requirements set forth in Central Characterization Project (CCP) documents were followed. Background corrections were applied by the instrument computer during data acquisition. During the analytical run, potentially interfering elements were quantitatively analyzed with the target analytes to determine their concentrations in the samples. Interelement correction factors were applied by the instrument to each sample, as appropriate, during the analytical run prior to instrument output.

During the technical review of the data from this analytical run, the following observations were noted:

1. All spike recoveries in the Matrix Spike (MS) and the Matrix Spike Duplicate (MSD) on 2CD80 were within the required 80-120% recovery criteria. The precision (RPD) for each of the elements was within the required ≤ 30% criteria.

2. A serial dilution analysis was performed on sample 2CD80. The percent differences (%D's) were within limits for all elements whose concentrations were greater than fifty times the IDL.

3. A post-digestion spike analysis was performed on sample 2CD80. The spike recoveries for all elements were within the required 75-125% acceptance criteria.

4. The concentration of zinc in the Laboratory Blank prepared with the samples was 2.08 mg/kg. Although above the detection limit, this concentration is less than three times the applicable PRDL. The zinc concentration in this blank was greater than five times the IDL; therefore, no "J" qualifier was needed for this element. No "B" qualifiers were required for the reported sample zinc data due to the concentration of this element in the Laboratory Blank.

5. Silver was detected in the final Continuing Calibration Blank (CCB) at a concentration equal to the applicable IDL. The CCB data for this element was reported with a "J" qualifier. Since the concentration of silver in this blank was ≥ 20% of the concentration (prior to dilution correction) in sample 2CE04, a "B" qualifier was applied to this sample's silver result.

Mercury CVAA

Sample Preparation

The SRS samples were prepared for analysis on 11/12/12 according to CCP-TP-181, Revision 0. Duplicate Matrix Spikes were prepared on sample 2CD80. Approximately 0.5 grams of each sample diluted to 50 mL with reagents was used in the sample preparation. All samples, spikes, calibration standards and ICV were taken through the digestion procedure. Both a LCS and a Laboratory Blank were prepared with the samples. The LCS was prepared using aliquots from an Environmental Resource Associates Priority PollutnT Inorganic Soil Standard, Lot D067-540.

Sample Analysis

The SRS samples were analyzed on 11/13/12 according to CCP-TP-181, Revision 0. The QC requirements set forth in CCP documents were followed during the analysis. The duplicate matrix spikes prepared on sample 2CD80 were analyzed, and the spike recoveries were **not** within the required range of 80-120%. These spikes were recovered at 4.8.3% and 49.4% in the MS and MSD respectively. Therefore, the sample mercury data are reported with "Z" qualifiers due to these out-of-range duplicate matrix spiked samples. The low spike recoveries on these matrix spikes were due to matrix effects inherent with the samples. The precision (RPD) of the spike duplicates (1.8%) was within the required ≤ 30% criteria.

Since the duplicate matrix spiked samples were recovered outside the required range, a post-digestion spike analysis was analyzed for this batch of samples. The mercury in this spiked sample (2CD80A) was recovered at 85.7%. No serial dilution analysis was performed on this batch since the concentration of mercury in each of the samples was less than 10 times the IDL.

All other QC samples were analyzed within the prescribed limits.

AMWTP Analytical Chemistry Laboratory

Central Characterization Project

Data Qualifier Flag Definitions for Metals

Flag	Definition
B	Analyte blank concentration (laboratory or calibration verification) ≥ 20% of the sample concentration prior to dilution correction
H	Holding time exceeded
J	Analyte concentration ≥ IDL but < 5 x IDL before dilution correction
U	Analyte was undetected (reported as sample-specific IDL, corrected for dilution)
Z	One or more QC sample results do not meet acceptance criteria

Metals Method Codes

Code	Definition
P	ICP-AES per CCP-TP-182 and CCP-TP-183
V	CVAA per CCP-TP-181

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10467841	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/02/2012	Lab Sample ID:	2CD66
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	5.0E-01	U		11/20/2012 13:48:41	18	P
7440-38-2	Arsenic	9.0E-01	U		11/20/2012 13:48:41	18	P
7440-39-3	Barium	1.1E+02			11/20/2012 13:48:41	18	P
7440-41-7	Beryllium	3.5E+00			11/20/2012 13:48:41	18	P
7440-43-9	Cadmium	4.0E-01	J		11/20/2012 13:48:41	18	P
7440-47-3	Chromium	5.3E+01			11/20/2012 13:48:41	18	P
7439-92-1	Lead	3.8E+02			11/20/2012 13:48:41	18	P
7439-97-6	Mercury	9.9E-03	U	Z	11/13/2012 11:43:15	11	V
7440-02-0	Nickel	1.9E+01			11/20/2012 13:48:41	18	P
7782-49-2	Selenium	1.0E+00	U		11/20/2012 13:48:41	18	P
7440-22-4	Silver	1.0E-01	U		11/20/2012 13:48:41	18	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 13:48:41	18	P
7440-62-2	Vanadium	5.0E+01			11/20/2012 13:48:41	18	P
7440-66-6	Zinc	7.3E+01			11/20/2012 13:48:41	18	P

C = concentration qualifier; Q = data qualifier; M = method code

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10467853	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/02/2012	Lab Sample ID:	2CD69
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	5.8E-01	J		11/20/2012 13:53:29	18	P
7440-38-2	Arsenic	9.2E-01	J		11/20/2012 13:53:29	18	P
7440-39-3	Barium	9.7E+01			11/20/2012 13:53:29	18	P
7440-41-7	Beryllium	3.3E+00			11/20/2012 13:53:29	18	P
7440-43-9	Cadmium	6.0E-01			11/20/2012 13:53:29	18	P
7440-47-3	Chromium	4.7E+01			11/20/2012 13:53:29	18	P
7439-92-1	Lead	2.8E+02			11/20/2012 13:53:29	18	P
7439-97-6	Mercury	9.8E-03	U	Z	11/13/2012 11:45:03	11	V
7440-02-0	Nickel	1.7E+01			11/20/2012 13:53:29	18	P
7782-49-2	Selenium	1.0E+00	U		11/20/2012 13:53:29	18	P
7440-22-4	Silver	1.0E-01	U		11/20/2012 13:53:29	18	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 13:53:29	18	P
7440-62-2	Vanadium	4.4E+01			11/20/2012 13:53:29	18	P
7440-66-6	Zinc	8.3E+01			11/20/2012 13:53:29	18	P

C = concentration qualifier; Q = data qualifier; M = method code

0017

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10468126	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/04/2012	Lab Sample ID:	2CD80
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	5.0E-01	U		11/20/2012 13:18:40	16	P
7440-38-2	Arsenic	9.0E-01	U		11/20/2012 13:18:40	16	P
7440-39-3	Barium	8.1E+01			11/20/2012 13:18:40	16	P
7440-41-7	Beryllium	3.4E+00			11/20/2012 13:18:40	16	P
7440-43-9	Cadmium	3.5E-01	J		11/20/2012 13:18:40	16	P
7440-47-3	Chromium	3.8E+01			11/20/2012 13:18:40	16	P
7439-92-1	Lead	6.3E+00			11/20/2012 13:18:40	16	P
7439-97-6	Mercury	1.4E-02	J	Z	11/13/2012 11:35:41	9	V
7440-02-0	Nickel	1.5E+01			11/20/2012 13:18:40	16	P
7782-49-2	Selenium	1.0E+00	U		11/20/2012 13:18:40	16	P
7440-22-4	Silver	1.0E-01	U		11/20/2012 13:18:40	16	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 13:18:40	16	P
7440-62-2	Vanadium	4.1E+01			11/20/2012 13:18:40	16	P
7440-66-6	Zinc	5.5E+01			11/20/2012 13:18:40	16	P

C = concentration qualifier; Q = data qualifier; M = method code

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10468134	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/04/2012	Lab Sample ID:	2CD89
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	9.7E-01	J		11/20/2012 13:58:17	16	P
7440-38-2	Arsenic	9.0E-01	U		11/20/2012 13:58:17	16	P
7440-39-3	Barium	1.6E+02			11/20/2012 13:58:17	16	P
7440-41-7	Beryllium	3.2E+00			11/20/2012 13:58:17	16	P
7440-43-9	Cadmium	1.2E+00			11/20/2012 13:58:17	16	P
7440-47-3	Chromium	3.8E+01			11/20/2012 13:58:17	16	P
7439-92-1	Lead	6.6E+00			11/20/2012 13:58:17	16	P
7439-97-6	Mercury	1.6E-02	J	Z	11/13/2012 11:46:51	9	V
7440-02-0	Nickel	1.6E+01			11/20/2012 13:58:17	16	P
7782-49-2	Selenium	1.4E+00	J		11/20/2012 13:58:17	16	P
7440-22-4	Silver	1.0E-01	U		11/20/2012 13:58:17	16	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 13:58:17	16	P
7440-62-2	Vanadium	3.9E+01			11/20/2012 13:58:17	16	P
7440-66-6	Zinc	5.9E+01			11/20/2012 13:58:17	16	P

C = concentration qualifier; Q = data qualifier; M = method code

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10468152	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/04/2012	Lab Sample ID:	2CD96
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	5.2E-01	J		11/20/2012 14:03:05	16	P
7440-38-2	Arsenic	8.9E-01	U		11/20/2012 14:03:05	16	P
7440-39-3	Barium	1.1E+02			11/20/2012 14:03:05	16	P
7440-41-7	Beryllium	3.0E+00			11/20/2012 14:03:05	16	P
7440-43-9	Cadmium	2.9E-01	J		11/20/2012 14:03:05	16	P
7440-47-3	Chromium	5.9E+01			11/20/2012 14:03:05	16	P
7439-92-1	Lead	8.3E+00			11/20/2012 14:03:05	16	P
7439-97-6	Mercury	1.7E-02	J	Z	11/13/2012 11:48:39	9	V
7440-02-0	Nickel	1.8E+01			11/20/2012 14:03:05	16	P
7782-49-2	Selenium	9.9E-01	U		11/20/2012 14:03:05	16	P
7440-22-4	Silver	9.9E-02	U		11/20/2012 14:03:05	16	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 14:03:05	16	P
7440-62-2	Vanadium	5.6E+01			11/20/2012 14:03:05	16	P
7440-66-6	Zinc	8.0E+01			11/20/2012 14:03:05	16	P

C = concentration qualifier; Q = data qualifier; M = method code

0020

TOTAL METALS ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory
Central Characterization Project

Field Sample ID:	10468164	Data Report Number:	ALD12030M
Sampling Batch No.:	SSG12-00007	Analytical Batch ID:	1211051
Date Sampled:	11/04/2012	Lab Sample ID:	2CE04
		Date Digested, ICP:	11/12/2012
		Date Digested, CVAA:	11/12/2012
Method, ICP-AES Preparation:	CCP-TP-183-R0	Microwave Digester ID:	MW-3
Method, ICP-AES Analysis:	CCP-TP-182-R1	Instrument ID, ICP-AES:	ICP-7
Method, CVAA:	CCP-TP-181-R0	Instrument ID, CVAA:	CVHG-2

Concentration Units: mg/kg

CAS No.	Analyte	Concentration	C	Q	Date and Time of Analysis	Holding Time, Days	M
7440-36-0	Antimony	5.0E-01	U		11/20/2012 14:07:53	16	P
7440-38-2	Arsenic	9.0E-01	U		11/20/2012 14:07:53	16	P
7440-39-3	Barium	1.1E+02			11/20/2012 14:07:53	16	P
7440-41-7	Beryllium	3.6E+00			11/20/2012 14:07:53	16	P
7440-43-9	Cadmium	9.1E-01			11/20/2012 14:07:53	16	P
7440-47-3	Chromium	7.8E+01			11/20/2012 14:07:53	16	P
7439-92-1	Lead	2.9E+02			11/20/2012 14:07:53	16	P
7439-97-6	Mercury	3.3E-02	J	Z	11/13/2012 11:55:08	9	V
7440-02-0	Nickel	3.2E+01			11/20/2012 14:07:53	16	P
7782-49-2	Selenium	1.0E+00	U		11/20/2012 14:07:53	16	P
7440-22-4	Silver	3.1E-01	J	B	11/20/2012 14:07:53	16	P
7440-28-0	Thallium	6.0E-01	U		11/20/2012 14:07:53	16	P
7440-62-2	Vanadium	5.4E+01			11/20/2012 14:07:53	16	P
7440-66-6	Zinc	1.1E+02			11/20/2012 14:07:53	16	P

C = concentration qualifier; Q = data qualifier; M = method code

0021

Section 6

Data Review Checklists

CCP Sample Receiving & Custody Review Checklist
AMWTP Analytical Chemistry Laboratory

Log Number:	1211051	Waste Stream ID: SR-W027-321M - HOM	NCR Initiation Required? ☐ Yes ☒ No
COC Numbers:	0000575,0000576,0000578,0000579,0000580,0000581,		IF Yes, NCR Number:
Reviewer:	Duane Lundholm (Printed Name) Duane Lundholm (Signature) 11-6-12 (Date)		Procedure Number: CCP-TP-180 Revision 2

Instructions: Complete one checklist per analytical log. Enter the appropriate response for each question. Each "No" response requires explanation. A "No" response to a question may require initiation of an NCR.

Requirement	Yes	No	Comments
1. Field Chain of Custody (COC) Forms			
a. Was a COC form received with each shipping container?	☒	☐	
b. Did the content of each shipping container match that listed on the associated COC form?	☒	☐	
c. Are all custody transfers completely documented by signatures of relinquishers and receivers, with date and time of transfer?	☒	☐	
d. Does all sample information (e.g., sample ID, sampling date and time, sampling batch) listed on the COC form correspond with the information on the sample labels?	☒	☐	
e. Is the correct analysis requested for each sample?	☒	☐	
f. Are any corrections on the COC form appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
2. Sample Labels			
a. Was each sample received with a completed sample label?	☒	☐	
b. Do the field sample IDs on the sample labels correspond to those on the field COC form?	☒	☐	
c. Are the sampling batch number, sampling date, time and requested analysis recorded on each sample label, and correspond with those recorded on the COC form?	☒	☐	
d. Are the sampler initials, organization and sample description recorded on each sample label?	☒	☐	
e. Are any corrections on the sample labels appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☒	☐	
3. Sample Integrity			
a. Were custody seals used on the shipping container?	☒	☐	
b. Were custody seals used on each individual sample container?	☒	☐	
c. Were all custody seals intact and undamaged upon receipt at the laboratory?	☒	☐	
d. Were all custody seals placed such that the container could not be opened without damaging the seal?	☒	☐	
e. Has the physical integrity of each sample been maintained (e.g., no cracks or leaks)?	☒	☐	
f. Were all samples preserved during shipment with "Blue Ice" or equivalent cooling mechanism?	☒	☐	
g. Were all samples placed in refrigerated storage (4 ± 2 °C) after log-in?	☒	☐	
4. Internal Sample Tracking			
a. Are all samples logged into the Analytical Computer System (ACS)?	☒	☐	
b. Is all sample information correctly transcribed from the field documentation into the ACS?	☒	☐	
c. Are all sample containers labeled with the ACS log number and the laboratory sample ID?	☒	☐	
d. Is log information entered into the Sample Tracking Logbook?	☒	☐	

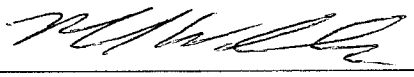
Contact the sampling organization if any discrepancies are found in the field COC and sample label documentation. Document the name of the person contacting the sampling organization, the name of the person contacted, the date and time of the contact, and the resolution of the problem.

0041

ALD Document: Log 1211051 CCP_SRS-W027-321.tif - Scanned:11/7/2012 3:27:18 PM

AMWTP Analytical Chemistry Laboratory

Data Generator Checklist for CCP

Data Report Number: ALD12030M	Analytical Batch: 1211051
Analysis Procedure: CCP-TP-181	Procedure Revision: 0
Analysis Date(s): 11/13/2012	
Data Generator Signature:  (Richard Wells)	

Criteria	Yes	No	Comments
1. Samples analyzed in accordance with cited analytical method.	X		
2. All logbook entries completed in accordance with CCP-QP-008.	X		
3. All data entry and corrections made in accordance with CCP-TP-188.	X		
4. All raw data signed/initialed and dated in indelible black ink.	X		
5. Data reviewed for completeness and accuracy.	X		

0042

AMWTP Analytical Chemistry Laboratory

Data Generator Checklist for CCP

Data Report Number: ALD12030M	Analytical Batch: 1211051
Analysis Procedure: CCP-TP-182	Procedure Revision: 1
Analysis Date(s): 11/20/2012	
Data Generator Signature: (Duane Lundholm)	

Criteria	Yes	No	Comments
1. Samples analyzed in accordance with cited analytical method.	✓		
2. All logbook entries completed in accordance with CCP-QP-008.	✓		
3. All data entry and corrections made in accordance with CCP-TP-188.	✓		
4. All raw data signed/initialed and dated in indelible black ink.	✓		
5. Data reviewed for completeness and accuracy.	✓		

0043

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1211051	Data Report: ALD12030M	Method: CCP-TP-181

Analysis Date(s)	Data Generator	ITR Review Date	ITR Release Signature	ITR Release Date
11/13/2012	**Richard Wells**	11/20/2012	(Jeffrey S. Laug)	12/10/2012

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Initial Calibration	///	///	///	///
a. Was the initial calibration performed using a minimum of 5 standards and a blank?	✓			
b. Is the regression coefficient (r) ≥ 0.995?	✓			
2. Initial Calibration Verification (ICV)	///	///	///	///
a. Was an ICV analyzed after the initial calibration and prior to analysis of any samples?	✓			
b. Is the recovery of the ICV between 80% and 120%?	✓			
c. Is the ICV standard prepared from a different source than that of the initial calibration standards?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Was the CCV analyzed prior to the analysis of samples?	✓			
b. Is the percent recovery for the CCV between 80% and 120%?	✓			
c. Was a compliant CCV (%R between 80% and 120%) analyzed at the completion of the analytical run?	✓			
d. Were every ten samples bracketed by compliant CCVs?	✓			
4. Blanks	///	///	///	///
a. Was at least one laboratory blank (LB) digested and analyzed with the analytical batch?	✓			
b. Are all laboratory blank results ≤ 3×PRDL?	✓			
c. Was an ICB analyzed immediately after the ICV?	✓			
d. Was a CCB analyzed immediately after each CCV?	✓			
e. Is each of the ICB and CCB results ≤ PRDL?	✓			
5. Laboratory Control Sample (LCS)	///	///	///	///
a. Was at least one LCS digested and analyzed with the analytical batch?	✓			
b. Is the recovery within the manufacturer/statistical control limits for LCSs?	✓			
6. Matrix Spikes (MS) and Matrix Spike Duplicates (MSD)	///	///	///	///
a. Were a MS and a MSD performed on at least one sample from the analytical batch?	✓			
b. Is the MS/MSD RPD ≤30?	✓			
c. Are percent recoveries (%R) between 80% and 120% for the MS and MSD? 0044		✓		MS & MSD recovered outside of required range. Sample Hg data reported w/ flagged results - See nonconf.

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1211051	Data Report: ALD12030M	Method: CCP-TP-181

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
7. Samples (Including MS, MSD, Post Digestion Spike (PDS) and Serial Dilution (SD))	///	///	///	///
a. Were all samples and QC samples with mercury readings exceeding the calibration range reanalyzed with a dilution?	✓		✓	use results
b. Was a SD analyzed in the analytical batch if 6c is NO and at least one sample concentration exceeded 10xIDL?			✓	
c. If a SD was analyzed, is %D ≤10?			✓	
d. IF 6c is *NO* AND 7c is *NO* or *N/A*, was a PDS performed in the analytical batch?	✓			
e. IF 7d is *YES* was the PDS spike recovery between 85% and 115%?	✓			
f. Was MSA used for quantitation if PDS was required AND did not meet the acceptance criteria?			✓	
g. Are any corrective actions taken during the analysis documented in the raw data?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples prepared and analyzed (including dilutions) within 28 days of collection?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and IDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all instrument and computer system printouts present and accurate for every reported standard, sample and QC sample?	✓			
b. Are copies of preparation and analysis run log books for all samples and QC samples present and accurate?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working and intermediate standards used?	✓			
d. Are all raw data initialed/signed by the operator in permanent black ink?	✓			
e. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-181 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Mercury in Homogeneous Solids and Soil/Gravel by CVAA

Analytical Batch: 1211051	Data Report: ALD12030M	Method: CCP-TP-181

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, H and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for MS/MSD %R and RPD, LCSs, ICB/CCB/LBs, ICV/CCVs, and IDLs? SDs, PDSs, and MSA if required?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

0046

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1211051	Data Report: ALD12030M	Methods: CCP-TP-182 & CCP-TP-183

Analysis Date(s)	Data Generator	ITR Review Date	ITR Signature Release	ITR Release Date
11/20/2012	**Duane Lundholm**	12/04/12	(Jeffrey S. Laug)	12/10/2012

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
1. Initial Calibration	///	///	///	///
a. Was the initial calibration performed using a minimum of 1 standard and a blank?	✓			
2. Initial Calibration Verification (ICV)	///	///	///	///
a. Was an ICV analyzed after the initial calibration and prior to analysis of any samples?	✓			
b. Are the recoveries for each reported analyte in the ICV between 90% and 110%?	✓			
c. Is the ICV standard from a different source than the initial calibration standards?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Was the CCV solution analyzed (as ICV) prior to the analysis of samples?	✓			
b. Is the percent recovery of each reported analyte between 90% and 110%?	✓			
c. Was a compliant CCV analyzed for reported analytes at the completion of the analytical run?	✓			
d. Were every 10 samples bracketed by compliant CCVs or ICV/CCV pair for reported analytes?	✓			
4. Low Level Concentration Check Standard (LLC)	///	///	///	///
a. Was the LLC solution analyzed prior to the analysis of samples?	✓			
b. Is the percent recovery of each reported analyte between 80% and 120%?	✓			
5. Blanks	///	///	///	///
a. Was at least one laboratory blank digested and analyzed with the analytical batch?	✓			
b. Are the laboratory blank results ≤ 3×PRDL for all reported analytes?	✓			
c. Was an ICB analyzed immediately after the ICV?	✓			
d. Was a CCB analyzed immediately after each CCV?	✓			
e. Are each of the ICB and CCB results ≤ the PRDL for all reported analytes?	✓			
6. Laboratory Control Samples (LCS)	///	///	///	///
a. Was at least one LCS digested and analyzed with the analytical batch?	✓			
b. Is %R for all reported analytes between 80% and 120% for aqueous LCSs, or within manufacturer or statistical control limits for solid LCSs?	✓			
7. Matrix Spikes (MS) and Matrix Spike Duplicates (MSD)	///	///	///	///
a. Were a MS and a MSD performed on at least one field sample from the analytical batch?	✓			
b. Is the MS/MSD RPD ≤ 30 for all analytes?	✓			
c. Is %R between 80% to 120% for all analytes in the MS and MSD?	✓			

0047

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1211051	Data Report: ALD12030M	Methods: CCP-TP-182 & CCP-TP-183

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
8. Background Correction and Interference Check Samples	///	///	///	///
a. Was background correction used during the analysis and applied correctly?	✓			
b. Were the interfering elements monitored during the analysis and interelement correction factors correctly applied where necessary?	✓			
c. Were the ICSA and ICSAB solutions analyzed within prescribed limits at both the beginning and end of the analytical run, or twice per 8 hour shift, whichever is more frequent?	✓			
9. Samples [Including MS, MSD, Post Digestion Spike (PDS) and Serial Dilution (SD)]	///	///	///	///
a. Were all samples having analytes detected in amounts exceeding the Documented Linear Range reanalyzed with a dilution?			✓	
b. Was at least one serial dilution analysis per matrix performed in the analytical batch?	✓			
c. For all analytes > 50x IDL in the initial sample, are serial dilution results ≤ 10 %D of initial value?	✓			
d. Was at least one post-digestion spike (PDS) analysis performed in the analytical batch if MS, MSD, or SD failed (see 7c and 9c)?	✓			
e. If a PDS was analyzed, was the PDS recovery within the required range of 75% to 125%?	✓			
f. Are any corrective actions taken during the analysis documented in the raw data?	✓			
10. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples prepared and analyzed (including dilutions) within 180 days of collection?	✓			
11. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and IDLs performed within the last 6 months?	✓			
12. Supporting Data Package Completeness	///	///	///	///
a. Are all instrument and computer system printouts present and accurate for every reported standard, sample and QC sample?	✓			
b. Are copies of preparation log books for all digested samples and QC samples present and accurate?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working and intermediate standards used?	✓			
d. Are all raw data initialed/signed by the operator in permanent black ink?	✓			
e. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
13. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-182 or CCP-TP-183 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total Metals in Homogeneous Solids and Soil/Gravel by ICP-AES

Analytical Batch: 1211051	Data Report: ALD12030M	Methods: CCP-TP-182 & CCP-TP-183

Requirement	Yes	No	N/A	Comments (Entries required ONLY if "No" is checked)
b. Are copies of any NCRs associated with the data included?			✓	
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, H and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for MS/MSD %R and RPD, LCSs, ICB/CCB/LBs, ICV/CCVs, LLCs, ICSA/ICSABs, SDs, linear range, and IDLs? PDSs as required?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

0049

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: ALD12030N **Analysis Date:** 11-8-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**	X			
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**	X			SSG12-00007
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**	X			
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: 10461597
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**	X			
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**			X	
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**	X			
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**	X			
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**	X			
11. Are holding times between collection and analysis within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1-9-13

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030N **Analysis Date:** 11-8-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**	X			
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
14. Do the %Rs for all LCS analytes meet the 60-150 %R requirements? **Reference Source: CCP-PO-001, Table C3-4**	X			
15. Is a minimum of one matrix spike/matrix spike duplicate (MS/MSD) pair analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**	X			
16. Do the %Rs for all MS and MSD analytes meet the 60-150 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-4**	X			
17. Do the MS/MSD RPDs for all analytes meet the ≤ 50 requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
18. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**	X			
19. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**			X	No target > PRQL
20. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: CCP-PO-001, SW-846 8015**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030N **Analysis Date:** 11-8-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
21. Are the results of the trip blank ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, SW-846 8015**	X			
22. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**	X			
23. Are all lab blank compounds ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**	X			
24. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**	X			
25. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-5**		X		MATRIX AFFECTS
26. Is the GC/FID three-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**	X			
27. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**	X			
28. Is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**	X			
29. Is the CCV %D ≤ 15% for all compounds? **Reference Source: CCP-PO-001, Table C3-5**	X			
30. Are the retention times (RTs) for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**	X			
31. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030N **Analysis Date:** 11-8-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
32. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**	X			
33. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**	X			
34. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**	X			
35. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**	X			
36. Have the batch samples been properly preserved (cool to 4°C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**	X			
37. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**	X			
38. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-6**	X			
39. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**	X			
40. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**	X			
41. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**	X			
42. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: ALD12030N **Analysis Date:** 11-8-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
43. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		1-9-13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

AMWTP
Advanced Mixed Waste Treatment Project
Idaho Treatment Group

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

RCRA Analysis Data Report

Batch Data Report Number:	ALD12030N	Analytical Method:	CCP-TP-186
Revision Number:	0	Analyte(s):	NHVOCs
Change Number:	0		

Issue Date: 12/05/12

Waste Generator Site: CCP-SRS

Summary: This data report contains analysis results for 6 samples and 6 trip blanks from Sampling Batch SSG12-00007.

Report Content:

Section	Content	Pages
1	Sample Identification Table	0002 – 0003
2	Sample Custody Documents	0004 – 0011
3	Analysis Results	0012 – 0027
4	Batch QC Sample Results	0028 – 0040
5	Instrument QC Data	0041 – 0046
6	Data Review Checklists	0047 – 0051

Laboratory Release Authorization:

Independent Technical Reviewer	Signature	Date
Jeff Jeter		12/5/12

CCP RECORDS ORIGINAL
DATE REC'D 12/6/12

Section 1

Sample Identification Table

TOTAL NHVOC ANALYSIS
SAMPLE CROSS-REFERENCE TABLE

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Preparation Method: CCP-TP-186-R1
Analytical Method: CCP-TP-186-R1

Data Report Number: ALD12030N
Analytical Batch ID: 1211051

Field Sample ID	Lab Sample ID
NA	LBN110612RA
NA	LCSN1211051RA
10467820RA	2CD65RA
10467855RA	2CD67RA
10467846RA	2CD68RA
10467847MSRA	2CD68MSRA
10467848MSDRA	2CD68MSDRA
10467860RA	2CD70RA
10468121RA	2CD79RA
10468166RA	2CD82RA
NA	LBN110712RA
10468129RA	2CD88RA
10468171RA	2CD90RA
10468137RA	2CD95RA
10468176RA	2CD97RA
10468159DL30RA	2CE03DL30RA
10468181RA	2CE05RA
10468163REDL15RA	2CE03REDL15RA

Section 2

Sample Custody Documents

ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:34
COC No.: 0000576
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467818	02-Nov-2012	13:09	20 / ml	2.79 / gms	PVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467820	02-Nov-2012	13:13	20 / ml	2.75 / gms	NHVOC	Michael Kremin		
SSG12-00007	10461597	SR-260	10467836	02-Nov-2012	13:15	20 / ml	12.35 / gms	NHVOC	Michael Kremin	hydrazine	
SSG12-00007	10461597	SR-260	10467837	02-Nov-2012	13:19	20 / ml	12.21 / gms	NHVOC	Michael Kremin	formaldehyde	
SSG12-00007	10461597	SR-260	10467839	02-Nov-2012	13:21	20 / ml	2.98 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467840	02-Nov-2012	13:23	20 / ml	2.93 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467841	02-Nov-2012	13:28	125 / ml	36.52 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467854	02-Nov-2012	14:06	20 / ml	2.80 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467855	02-Nov-2012	14:08	20 / ml	2.94 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467856	02-Nov-2012	14:09	20 / ml	2.65 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467857	02-Nov-2012	14:11	20 / ml	12.30 / gms	TRIP BLANK	Michael Kremin	trip blank hydrazine	
SSG12-00007	10461597	SR-260	10467858	02-Nov-2012	14:13	20 / ml	12.12 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:30:59	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:30:59	
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1042	
Received By	David J. Preston	David J Preston	11/05/12 1042	
Relinquished By	David J. Preston	David J Preston	11/05/12 1043	FCE of parent drum used to transfer samples to lab. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 1 TID# 585262 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

ALD LOG # 1211051

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10467843	02-Nov-2012	13:29	20 / ml	2.74 / gms	PVOC	Michael Kremin	pvoc 1	
SSG12-00007	10461597	SR-260	10467844	02-Nov-2012	13:30	20 / ml	2.78 / gms	PVOC	Michael Kremin	pvoc 2	
SSG12-00007	10461597	SR-260	10467845	02-Nov-2012	13:31	20 / ml	2.76 / gms	PVOC	Michael Kremin	pvoc 3	
SSG12-00007	10461597	SR-260	10467846	02-Nov-2012	13:32	20 / ml	2.69 / gms	NHVOC	Michael Kremin	nhvoc 1	
SSG12-00007	10461597	SR-260	10467847	02-Nov-2012	13:33	20 / ml	2.84 / gms	NHVOC	Michael Kremin	nhvoc 2	
SSG12-00007	10461597	SR-260	10467848	02-Nov-2012	13:34	20 / ml	2.71 / gms	NHVOC	Michael Kremin	nhvoc 3	
SSG12-00007	10461597	SR-260	10467849	02-Nov-2012	13:36	20 / ml	12.18 / gms	NHVOC	Michael Kremin	hydrozine	
SSG12-00007	10461597	SR-260	10467850	02-Nov-2012	13:38	20 / ml	12.32 / gms	NHVOC	Michael Kremin	formaldahyde	
SSG12-00007	10461597	SR-260	10467851	02-Nov-2012	13:39	20 / ml	2.87 / gms	SPARE	Michael Kremin	spare 1	
SSG12-00007	10461597	SR-260	10467852	02-Nov-2012	13:40	20 / ml	2.88 / gms	SPARE	Michael Kremin	spare 2	
SSG12-00007	10461597	SR-260	10467853	02-Nov-2012	13:43	125 / ml	38.50 / gms	SVOC, METALS	Michael Kremin		
SSG12-00007	10461597	SR-260	10467859	02-Nov-2012	14:16	20 / ml	2.63 / gms	TRIP BLANK	Michael Kremin	trip blank 1	
SSG12-00007	10461597	SR-260	10467860	02-Nov-2012	14:18	20 / ml	2.68 / gms	TRIP BLANK	Michael Kremin	trip blank 2	
SSG12-00007	10461597	SR-260	10467861	02-Nov-2012	14:20	20 / ml	2.77 / gms	TRIP BLANK	Michael Kremin	trip blank 3	
SSG12-00007	10461597	SR-260	10467862	02-Nov-2012	14:22	20 / ml	12.28 / gms	TRIP BLANK	Michael Kremin	trip blank hydrozine	
SSG12-00007	10461597	SR-260	10467863	02-Nov-2012	14:23	20 / ml	12.33 / gms	TRIP BLANK	Michael Kremin	trip blank formaldahyde	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Michael Kremin	Electronically signed in WTS	05-NOV-12 07:32:45	
Received By	Davey Sumners	Electronically signed in WTS	05-NOV-12 07:32:45	
Relinquished By	Davey Sumners		11/05/12 1033	
Received By	David J. Preston		11/05/12 1033	

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:23
COC No.: 0000575
Page 2 of 2

Relinquished By	David J. Preston	David J Preston	11/05/12 1036	FGE of parent drum used to transfer samples to lab. On site Transfer David J Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 2 TID # 585298
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:45
COC No.: 0000578

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468120	04-Nov-2012	10:50	20 / ml	2.95 / gms	PVOC	Davey Sumners	initial # 2 PVOC	
SSG12-00007	10461597	SR-260	10468121	04-Nov-2012	10:52	20 / ml	2.95 / gms	NHVOC	Davey Sumners	initial#2 NHVOC	
SSG12-00007	10461597	SR-260	10468122	04-Nov-2012	11:18	20 / ml	12.17 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468123	04-Nov-2012	11:20	20 / ml	12.23 / gms	NHVOC	Davey Sumners	initial #2 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468124	04-Nov-2012	11:22	20 / ml	2.73 / gms	SPARE	Davey Sumners	initial#2 Spare 1	
SSG12-00007	10461597	SR-260	10468125	04-Nov-2012	11:23	20 / ml	2.98 / gms	SPARE	Davey Sumners	initial#2 Spare 2	
SSG12-00007	10461597	SR-260	10468126	04-Nov-2012	11:27	125 / ml	35.80 / gms	SVOC, METALS	Davey Sumners	initial#2 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468165	04-Nov-2012	18:04	20 / ml	2.93 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468166	04-Nov-2012	18:07	20 / ml	2.74 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468167	04-Nov-2012	18:08	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468168	04-Nov-2012	18:09	20 / ml	12.47 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468169	04-Nov-2012	18:10	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1050	
Received By	David J. Preston		11/05/12 1050	
Relinquished By	David J. Preston		11/05/12 1051	FGE of parent drum used for transfer of samples. On Site Transfer. 11/05/12
Received By	Patty Tullock		11/05/12 1330	Transfer container ID: 3 TID# 585226
Relinquished By				
Received By				
Relinquished By				
Received By				

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AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:51
COC No.: 0000579
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468128	04-Nov-2012	12:34	20 / ml	2.85 / gms	PVOC	Davey Sumners	initial sample#3 PVOC	
SSG12-00007	10461597	SR-260	10468129	04-Nov-2012	12:36	20 / ml	2.98 / gms	~~TRIP BLANK~~ NHVOC	Davey Sumners	initial sample#3 NHVOC	
SSG12-00007	10461597	SR-260	10468130	04-Nov-2012	12:39	20 / ml	12.40 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468131	04-Nov-2012	12:42	20 / ml	12.27 / gms	NHVOC	Davey Sumners	initial sample#3 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468132	04-Nov-2012	12:43	20 / ml	2.81 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 1	
SSG12-00007	10461597	SR-260	10468133	04-Nov-2012	12:44	20 / ml	2.68 / gms	SPARE	Davey Sumners	Initial sample#3 Spare 2	
SSG12-00007	10461597	SR-260	10468134	04-Nov-2012	12:48	125 / ml	35.98 / gms	SVOC, METALS	Davey Sumners	Initial sample#3 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468170	04-Nov-2012	18:13	20 / ml	2.65 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468171	04-Nov-2012	18:14	20 / ml	2.84 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468172	04-Nov-2012	18:15	20 / ml	2.64 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468173	04-Nov-2012	18:16	20 / ml	12.31 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468174	04-Nov-2012	18:18	20 / ml	12.35 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1055	
Received By	David J. Preston	David J. Preston	11/05/12 1055	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1056	FGE of parent drum used for transfer of samples. On Site Transfer David Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 4 TID # 585208
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 10:56
COC No.: 0000580
Page 1 of 1

Shipping Location: AMWTP **Analytical Location:** Analytical Chemistry Lab **Sampling Location:** WMF-634 Coring Glove Box **Sample Matrix:** Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468136	04-Nov-2012	13:27	20 / ml	2.72 / gms	PVOC	Davey Sumners	Initial sample#4 PVOC	
SSG12-00007	10461597	SR-260	10468137	04-Nov-2012	13:29	20 / ml	2.79 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC	
SSG12-00007	10461597	SR-260	10468138	04-Nov-2012	13:33	20 / ml	12.49 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468143	04-Nov-2012	13:35	20 / ml	12.25 / gms	NHVOC	Davey Sumners	Initial sample#4 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468144	04-Nov-2012	13:37	20 / ml	2.80 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 1	
SSG12-00007	10461597	SR-260	10468150	04-Nov-2012	13:39	20 / ml	2.96 / gms	SPARE	Davey Sumners	Initial sample#4 Spare 2	
SSG12-00007	10461597	SR-260	10468152	04-Nov-2012	13:43	125 / ml	36.21 / gms	SVOC, METALS	Davey Sumners	Initial sample#4 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468175	04-Nov-2012	18:20	20 / ml	2.56 / gms	TRIP BLANK	Davey Sumners	Trip Blank 1	
SSG12-00007	10461597	SR-260	10468176	04-Nov-2012	18:21	20 / ml	2.73 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468177	04-Nov-2012	18:22	20 / ml	2.80 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468178	04-Nov-2012	18:23	20 / ml	12.33 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468179	04-Nov-2012	18:24	20 / ml	12.39 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners	Davey Sumners	11/05/12 1103	
Received By	David J. Preston	David J. Preston	11/05/12 1103	
Relinquished By	David J. Preston	David J. Preston	11/05/12 1104	FGE of parent drum used to transfer samples. On Site Transfer. Transfer Container ID: 5 TID # 585257 David J. Preston 11/05/12
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	
Relinquished By				
Received By				
Relinquished By				
Received By				

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ALD LOG # 1211051

AMWTP

Chain Of Custody

Print Date: 05-Nov-2012
Print Time: 11:04
COC No.: 0000581
Page 1 of 1

Shipping Location: AMWTP Analytical Location: Analytical Chemistry Lab Sampling Location: WMF-634 Coring Glove Box Sample Matrix: Solid

Sample Batch	Container ID	GEN-IDC	Sample ID	Sample Date	Sample Time	Volume	Weight	Analysis Type	Sample Created by	Comments	Final Disposition
SSG12-00007	10461597	SR-260	10468158	04-Nov-2012	14:24	20 / ml	2.96 / gms	PVOC	Davey Sumners	Initial sample#5 PVOC	
SSG12-00007	10461597	SR-260	10468159	04-Nov-2012	14:26	20 / ml	2.68 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC	
SSG12-00007	10461597	SR-260	10468160	04-Nov-2012	14:28	20 / ml	12.22 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Hydrazine	
SSG12-00007	10461597	SR-260	10468161	04-Nov-2012	14:30	20 / ml	12.30 / gms	NHVOC	Davey Sumners	Initial sample#5 NHVOC-Formaldehyde	
SSG12-00007	10461597	SR-260	10468162	04-Nov-2012	14:32	20 / ml	2.79 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 1	
SSG12-00007	10461597	SR-260	10468163	04-Nov-2012	14:33	20 / ml	2.75 / gms	SPARE	Davey Sumners	Initial sample#5 Spare 2	
SSG12-00007	10461597	SR-260	10468164	04-Nov-2012	14:38	125 / ml	38.80 / gms	SVOC, METALS	Davey Sumners	Initial sample#5 SVOC/Metals	
SSG12-00007	10461597	SR-260	10468180	04-Nov-2012	18:26	20 / ml	2.68 / gms	TRIP BLANK	Davey Sumners	trip Blank 1	
SSG12-00007	10461597	SR-260	10468181	04-Nov-2012	18:27	20 / ml	2.92 / gms	TRIP BLANK	Davey Sumners	Trip Blank 2	
SSG12-00007	10461597	SR-260	10468182	04-Nov-2012	18:28	20 / ml	2.60 / gms	TRIP BLANK	Davey Sumners	Trip Blank 3	
SSG12-00007	10461597	SR-260	10468183	04-Nov-2012	18:29	20 / ml	12.30 / gms	TRIP BLANK	Davey Sumners	Trip Blank 4	
SSG12-00007	10461597	SR-260	10468184	04-Nov-2012	18:30	20 / ml	12.32 / gms	TRIP BLANK	Davey Sumners	Trip Blank 5	

All samples are preserved by cooling to 4 +/-2 degrees C

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	Print Name	Signature	Date	Discrepancies / Comments
Relinquished By	Davey Sumners		11/05/12 1113	
Received By	David J. Preston	David J Preston	11/05/12 1113	
Relinquished By	David J. Preston	David J Preston	11/05/12 1114	FGE of parent drum used for transfer of samples. On Site Transfer
Received By	Patty Tullock	Patty Tullock	11/05/12 1330	Transfer Container ID: 6 TID # 585238 David J Preston 11/05/12
Relinquished By				
Received By				
Relinquished By				
Received By				

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Section 3

Analysis Results

AMWTP Analytical Chemistry Laboratory

Data Report Narrative for ALD12030N

This data report contains nonhalogenated volatile organic compound (NHVOC) analysis results for 6 samples from waste drums and 6 associated trip blanks, received on 11/05/12 from AMWTP for CCP-SRS.

Sample preparation and analysis was performed using CCP-TP-186 Revision 1, which implements EPA SW-846 Method 8015B, "Non-Halogenated Organics Using GC/FID" and Method 8000B, "Determinative Chromatographic Separations."

The holding time for solid samples is 14 days from collection to analysis. All samples were analyzed within the holding time. All samples and prepped QC had to be re-analyzed (-RA suffix) due to the failure of the ending CCAL on the initial analysis.

Sample 2CE03 and its re-extraction (2CE03RE) had to be diluted thirty and fifteen-fold respectively for ALARA concerns. This and the oily nature of the matrix caused the surrogate in 2CE03DL30RA to be diluted out and the surrogate in 2CE03REDL15RA to fail and they are noted with "D" and "Z" qualifiers respectively on the Form II. These dilutions caused all sample specific MDLs to be elevated above the Program Required MDLs in both samples and acetone, butanol, MEK, ethyl ether, isobutanol and pyridine to be elevated above the PRQLs in sample 2CE03DL30RA.

An unknown compound eluted within the MEK RT window on both columns in the second lab blank (LBN110712RA) and samples 2CD90RA, 2CD97RA, 2CE03DL30RA and 2CE03REDL15RA. Comparison of the unknown RTs with known MEK RTs in the beginning and ending CCALs indicate that the compound is not MEK.

All other QC parameters meet acceptance criteria for this analytical batch.

AMWTP Analytical Chemistry Laboratory

Central Characterization Project

Data Qualifier Flag Definitions for NHVOCs

Flag	Definition
B	Analyte detected in associated laboratory blank or method blank
E	Reported analyte concentration exceeds the calibration range
D	Reported analyte concentration is from a secondary dilution of the sample
H	Holding time exceeded
J	Target Analyte concentration <PRQL but ≥ MDL
U	Analyte was undetected (reported as sample-specific MDL)
Z	One or more QC sample results do not meet acceptance criteria

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467820RA	Lab File ID:	SN600572
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD65RA
Date Sampled:	11/2/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/08/2012 11:29	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	18	J
71-36-3	Butanol	18	J
67-56-1	Methanol	3.2	U
78-93-3	Methyl ethyl ketone	15	J
60-29-7	Ethyl ether	4.3	U
78-83-1	Isobutanol	4.3	U
110-86-1	Pyridine	4.3	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467855RA	Lab File ID:	SN600573
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD67RA
Date Sampled:	11/2/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/08/2012 11:48	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.1	U
71-36-3	Butanol	4.1	U
67-56-1	Methanol	3.1	U
78-93-3	Methyl ethyl ketone	4.1	U
60-29-7	Ethyl ether	4.1	U
78-83-1	Isobutanol	4.1	U
110-86-1	Pyridine	4.1	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467846RA	Lab File ID:	SN600574
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD68RA
Date Sampled:	11/2/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/08/2012 12:06	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	18	J
71-36-3	Butanol	18	J
67-56-1	Methanol	3.2	U
78-93-3	Methyl ethyl ketone	15	J
60-29-7	Ethyl ether	4.3	U
78-83-1	Isobutanol	4.3	U
110-86-1	Pyridine	4.3	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10467860RA	Lab File ID:	SN600577
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD70RA
Date Sampled:	11/2/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	4 days		
Date/Time Analyzed:	11/08/2012 13:03	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.6	U
71-36-3	Butanol	4.6	U
67-56-1	Methanol	3.4	U
78-93-3	Methyl ethyl ketone	4.6	U
60-29-7	Ethyl ether	4.6	U
78-83-1	Isobutanol	4.6	U
110-86-1	Pyridine	4.6	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468121RA	Lab File ID:	SN600578
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD79RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/08/2012 13:21	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	41	J
71-36-3	Butanol	31	J
67-56-1	Methanol	3.0	U
78-93-3	Methyl ethyl ketone	21	J
60-29-7	Ethyl ether	4.0	U
78-83-1	Isobutanol	4.0	U
110-86-1	Pyridine	18 *	J

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468166RA	Lab File ID:	SN600579
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD82RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/06/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	2 days		
Date/Time Analyzed:	11/08/2012 13:40	Instrument ID:	GC-6
Analysis Holding Time:	2 days	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.4	U
71-36-3	Butanol	4.4	U
67-56-1	Methanol	3.3	U
78-93-3	Methyl ethyl ketone	4.4	U
60-29-7	Ethyl ether	4.4	U
78-83-1	Isobutanol	4.4	U
110-86-1	Pyridine	4.4	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468129RA	Lab File ID:	SN600581
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD88RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 14:18	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	15	J
71-36-3	Butanol	17	J
67-56-1	Methanol	2.9	U
78-93-3	Methyl ethyl ketone	14	J
60-29-7	Ethyl ether	3.9	U
78-83-1	Isobutanol	3.9	U
110-86-1	Pyridine	3.9	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468171RA	Lab File ID:	SN600582
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD90RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 14:37	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.2	U
71-36-3	Butanol	4.2	U
67-56-1	Methanol	3.2	U
78-93-3	Methyl ethyl ketone	4.2	U
60-29-7	Ethyl ether	4.2	U
78-83-1	Isobutanol	4.2	U
110-86-1	Pyridine	4.2	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468137RA	Lab File ID:	SN600583
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD95RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 14:55	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	13	J
71-36-3	Butanol	16	J
67-56-1	Methanol	3.1	U
78-93-3	Methyl ethyl ketone	15	J
60-29-7	Ethyl ether	4.1	U
78-83-1	Isobutanol	4.1	U
110-86-1	Pyridine	4.1	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468176RA	Lab File ID:	SN600584
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CD97RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 15:15	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.5	U
71-36-3	Butanol	4.5	U
67-56-1	Methanol	3.4	U
78-93-3	Methyl ethyl ketone	4.5	U
60-29-7	Ethyl ether	4.5	U
78-83-1	Isobutanol	4.5	U
110-86-1	Pyridine	4.5	U

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468159DL30RA	Lab File ID:	SN600585
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CE03DL30RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 15:33	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	30
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	130	UD
71-36-3	Butanol	130	UD
67-56-1	Methanol	98	UD
78-93-3	Methyl ethyl ketone	130	UD
60-29-7	Ethyl ether	130	UD
78-83-1	Isobutanol	130	UD
110-86-1	Pyridine	130	UD

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468163REDL15RA	Lab File ID:	SN600587
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CE03REDL15RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 16:11	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	15
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	64	UD
71-36-3	Butanol	64	UD
67-56-1	Methanol	48	UD
78-93-3	Methyl ethyl ketone	64	UD
60-29-7	Ethyl ether	64	UD
78-83-1	Isobutanol	64	UD
110-86-1	Pyridine	64	UD

* = Column B value used

TOTAL NHVOC ANALYSIS DATA SHEET

Advanced Mixed Waste Treatment Project
Analytical Chemistry Laboratory

Central Characterization Project

Field Sample ID:	10468181RA	Lab File ID:	SN600586
Sampling Batch No:	SSG12-00007	Lab Sample ID:	2CE05RA
Date Sampled:	11/4/2012	Data Report Number:	ALD12030N
Date Extracted:	11/07/2012	Analytical Batch ID:	1211051
Extraction Holding Time:	3 days		
Date/Time Analyzed:	11/08/2012 15:52	Instrument ID:	GC-6
Analysis Holding Time:	1 day	Sample Matrix:	SOLID
Preparation Method:	CCP-TP-186-R1	Dilution Factor:	1
Analytical Method:	CCP-TP-186-R1		

CAS NUMBER	TARGET ANALYTE	CONCENTRATION (mg/kg)	Q
67-64-1	Acetone	4.2	U
71-36-3	Butanol	4.2	U
67-56-1	Methanol	3.1	U
78-93-3	Methyl ethyl ketone	4.2	U
60-29-7	Ethyl ether	4.2	U
78-83-1	Isobutanol	4.2	U
110-86-1	Pyridine	4.2	U

* = Column B value used

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total NHVOCs in Homogenous Solids and Soil/Gravel by GC/FID

Analytical Batch: 1211051	Data Report: ALD12030N	Method: CCP-TP-186

Analysis Date(s)	Data Generator(s)	ITR Review Date	ITR Release Signature	ITR Release Date
11-08-12	Bill Strong	11/2/12		12/5/12

Requirement	Yes	No	N/A	Comments (Entries are required ONLY if "No" is checked)
1. Retention Time (RT) Windows	///	///	///	///
a. Have all RT windows used with this analytical batch been verified and approved for use as documented by a completed RT Window Determination and Initial Calibration Independent Technical Review Checklist?	✓			
2. Initial Calibration (ICAL)	///	///	///	///
a. Have all ICALs used with this analytical batch been verified to meet specifications and approved for use as documented by a completed RT Window Determination and Initial Calibration Independent Technical Review Checklist?	✓			
3. Continuing Calibration Verification (CCV)	///	///	///	///
a. Were CCV standards analyzed at the beginning of each 12-hour analytical shift (before analysis of samples), and at the end of the shift (after sample analysis and within 12 hours of the beginning CCV)?	✓			
b. Are all target analyte peaks within the initial RT windows for the beginning CCV?	✓			
c. Are all target analyte peaks within the daily RT (centered around beginning CCV RTs) windows for the ending CCV?	✓			
d. Are the measured concentration %D ≤15 for each target analyte on both analytical columns for the beginning and ending CCVs?	✓			
4. Samples (Including LCSs, Blanks, MS and MSDs)	///	///	///	///
a. Are all detected target analytes identified on both the quantitation and confirmation column with peaks within the daily RT windows and in concentrations ≥MDL?	✓			
b. Were all samples having analytes detected in amounts exceeding the calibration range reanalyzed on a dilution?			N/A	
c. Do all surrogate compound recoveries meet CCP-TP-186 acceptance criteria?		✓		2,CE03RCOLISRA SEE NARRATIVE
d. Are all analytes showing discrepancies (interferences) between columns quantitated per CCP-TP-186?	✓			
e. Are analyte retention time windows checked for multiple peaks falling within the RT windows?	✓			
f. Have peak baselines been checked for correct integration?	✓			
g. Were the correct quantitation routines used for each column?	✓			
h. Are peak areas proportionally consistent with those of the CCV?	✓			
5. Blanks	///	///	///	///
a. Was at least one unique laboratory blank extracted and analyzed with the analytical batch?	✓			
b. Was a blank (laboratory or method) analyzed daily prior to the analysis of samples?	✓			
c. Are all blank results ≤3 x program-required MDLs for all target analytes?	✓			
6. Laboratory Control Samples (LCSs)	///	///	///	///
a. Was at least one unique LCS extracted and analyzed with the analytical batch?	✓			
b. Are all LCSs prepared from a standard source different from that used for the calibration standards?	✓			
c. Does the LCS contain all of the NHVOC target analytes?	✓			
d. Are the percent recoveries for each target analyte in each LCS between 60% and 150%?	✓			

AMWTP Analytical Chemistry Laboratory
Independent Technical Review (ITR) Checklist for CCP
Total NHVOCs in Homogenous Solids and Soil/Gravel by GC/FID

Analytical Batch: 1211051	Data Report: ALD12030N	Method: CCP-TP-186

Requirement	Yes	No	N/A	Comments (Entries are required ONLY if "No" is checked)
7. Matrix Spike and Matrix Spike Duplicate Samples (MS/MSD)	///	///	///	///
a. Was at least one matrix spike sample (MS) analyzed with the analytical batch?	✓			
b. Was at least one matrix spike duplicate sample (MSD) analyzed with the analytical batch?	✓			
c. Are all percent recoveries for the MS and MSD between 60% and 150%?	✓			
d. Are all RPDs between the MS and MSD ≤50?	✓			
8. Sample Integrity Verification	///	///	///	///
a. Is COC documentation complete and accurate for all reported samples?	✓			
b. Was physical integrity of all samples verified as satisfactory at VTSR?	✓			
c. Were all samples and associated extracts stored at 4 ± 2 °C between receipt and analysis?	✓			
d. Were all samples (including dilutions and reanalyses) analyzed within 14 days of collection?	✓			
9. Instrument, Method and Personnel Qualification Verification	///	///	///	///
a. Were all analytical tasks, including sample analysis and supporting method performance and ICALs, conducted by personnel having current program qualifications?	✓			
b. Was acceptable demonstration of precision, accuracy, and MDLs performed within the last 6 months?	✓			
10. Supporting Data Package Completeness	///	///	///	///
a. Are all raw data and instrument printouts signed/initialed (in permanent black ink) and dated by the operator and included in the supporting data package?	✓			
b. Are copies of all extraction/preparation and analysis run log books for the analytical batch included in the supporting data package?	✓			
c. Are standard certificates and QC Lab preparation records present and accurate for all working, intermediate and stock standard solutions used?	✓			
d. Are all changes to original data made by line-out of incorrect data, initialed/signed and dated by the person making the change?	✓			
11. Batch Data Report Completeness	///	///	///	///
a. Does the report contain a Data Report Narrative that addresses, at a minimum: 1) any deviations from CCP-TP-186 due to sample matrix or ALARA concerns and the justification for the deviations; 2) any QC samples that failed the acceptance criteria, and their impact on data quality; 3) any NCRs associated with the reported samples; and 4) any problems or unusual conditions encountered during the analysis?	✓			
b. Are copies of any NCRs associated with the data included?			N/A	
c. Are Analysis Data Sheets present and accurate for all samples in the analytical batch?	✓			
d. Are the analyte concentrations on the Analysis Data Sheets reported in units of mg/kg and correctly rounded to 2 significant figures?	✓			
e. Are U, J, B, D, E, H, and Z data qualifying flags correctly assigned on the reporting forms?	✓			
f. Are reporting forms present and accurate for surrogate recoveries, MS/MSDs, LBs, LCSs, ICALs, CCVs, MDLs and Analyte Identification?	✓			
g. Are copies of all COC documentation included?	✓			
h. Have all data received documented data generator review and signature?	✓			
i. Were all calculations performed using validated software or 100% manually verified?	✓			
j. Have the data been reviewed for transcription errors?	✓			
k. Are all pages in the data report legible and correctly paginated?	✓			

Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form

CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-RH-221H.01 Lot # (if applicable) 1

Waste Stream Description: Savannah River Site Heterogeneous Debris

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Physical waste form/description	AK, RTR	NO	RTR data sheets indicate consistency with Attachment 6 of CCP-TP-005 and section 5.0 of CCP-AK-SRS-600
Waste material parameters weights	AK	NO	RTR data sheets indicate consistency with Attachment 6 of CCP-TP-005 and section 5.0 of CCP-AK-SRS-600
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	AK, RTR	NO	RTR data sheets indicate consistency with waste stream description in section 5.0 of CCP-AK-SRS-600
Summary Category Group assignment	AK, RTR	NO	Assignment of Summary Category Group S5000 is consistent with RTR data sheets
Waste Matrix Code assignment	AK, RTR	NO	Assignment of Waste Matrix Code S5400 is consistent with RTR data sheets
Absence of prohibited items	AK,RTR	NO	RTR confirmed the absence of prohibited items
EPA Hazardous Waste Number assignment[d]	HSG	NO	EPA Hazardous Waste Code assignments were made in CCP-AK-SRS-600
Toxicity characteristic code assignment	AK, HSG	NO	Toxicity Characteristic Code assignments were made in CCP-AK-SRS-600
VOCs from packaging materials or radiolysis present	AK,HSG	NO	No VOCs associated with packaging or radiolysis were identified by AK, CCP-TP-005, Attachment 5
State Hazardous Waste Number assignment	HSG	NO	South Carolina State HWNs are identical to EPA assignment
Radionuclides present	AK,HSG	NO	Radionuclides present were determined according to CCP-RC-SRS-601
Other radiological parameters: (specify)	AK	NO	The 14 radionuclides constituting greater than 95% of the hazard were calculated and reported, CCP-RC-SRS-601

Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form (Continued)

CCP Waste Stream Characterization Checklist

Additional Comments:
RTR BDR's: SR4RTR0220, SR4RTR0248, SR4RTR0249, SR4RTR0196, SRLBR0079
DTC BDR's: SRSRHDTC11003, SRSRHDTC12001, SRSRHDTC12002, SRSRHDTC12003

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's)
b. If "yes," AKE completes an *Acceptable Knowledge Re-evaluation Checklist.*
c. Identify the source of the waste testing information (e.g., VE or RTR batch data reports). Note if an AK Sufficiency Determination has been approved to meet any characterization parameter.
d. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.

Site Project Manager:

Date:

Print Sign

Acceptable Knowledge Expert:

Date:

Print Sign

DIVIDER PAGE

Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form

CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-RH-SDD.01 Lot # (if applicable) 1

Waste Stream Description: Heterogeneous Debris

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Physical waste form/description	AK,VE	NO	VE data sheets indicate consistency with Attachment 6 of CCP-TP-005 and section 5.0 of CCP-AK-SRS-630
Waste material parameters weights	AK	NO	VE data sheets indicate consistency with Attachment 6 of CCP-TP-005 and section 5.0 of CCP-AK-SRS-630
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	AK, VE	NO	VE data sheets indicate consistency with waste stream description in section 5.0 of CCP-AK-SRS-600
Summary Category Group assignment	AK, VE	NO	Assignment of Summary Category Group S5000 is consistent with VE data sheets
Waste Matrix Code assignment	AK, VE	NO	Assignment of Waste Matrix Code S5400 is consistent with VE data sheets
Absence of prohibited items	AK, VE	NO	VE confirmed the absence of prohibited items
EPA Hazardous Waste Number assignment[d]	AK	NO	EPA Hazardous Waste Code assignments were made in CCP-AK-SRS-630
Toxicity characteristic code assignment	AK	NO	Toxicity Characteristic Code assignments were made in CCP-AK-SRS-630
VOCs from packaging materials or radiolysis present	AK	NO	No VOCs associated with packaging or radiolysis were identified by AK, CCP-TP-005, Attachment 5
State Hazardous Waste Number assignment	AK	NO	South Carolina State HWNs are identical to EPA assignment
Radionuclides present	AK	NO	Radionuclides present were determined according to CCP-RC-SRS-631
Other radiological parameters: (specify)	AK	NO	The 14 radionuclides constituting greater than 95% of the hazard were calculated and reported, CCP-RC-SRS-631

Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form (Continued)

CCP Waste Stream Characterization Checklist

Additional Comments:
VE BDRS: SRSRHVE13001
Radiological Data: CCP-RC-SRS-631

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's)
b. If "yes," AKE completes an *Acceptable Knowledge Re-evaluation Checklist*.
c. Identify the source of the waste testing information (e.g., VE or RTR batch data reports). Note if an AK Sufficiency Determination has been approved to meet any characterization parameter.
d. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.

Site Project Manager:

Print _____ Sign _____ Date: _____

Acceptable Knowledge Expert:

Print _____ Sign _____ Date: _____

DIVIDER

PAGE

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s):
Waste Stream Number: SR-SWMF-HET-B Lot # (if applicable) 1
Waste Stream Description: Heterogeneous Debris

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Physical waste form/description	RTR	No	RTR Data Sheets indicate consistency with Attachment 6 of CCP-TP-005.
Waste material parameters weights	RTR	No	RTR Data Sheets indicate consistency with the Waste Material Parameter table as listed in the AK. See additional attached sheets.
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	RTR	No	RTR Data Sheets indicate consistency with CCP-AK-SRS-12. See additional attached sheets.
Summary category group assignment	RTR	No	RTR Data Sheets are consistent with CCP-AK-SRS-12.
Waste matrix code assignment	RTR	No	Waste Matrix Code S5400 is consistent with data from RTR data sheets.
Absence of prohibited items	RTR	No	RTR did not identify any prohibited items.
EPA Hazardous Waste Number assignment[d]	AK	No	Characterization results consistent with Section 6.4.2 of CCP-AK-SRS-12
Toxicity characteristic code assignment	AK	No	Consistent with Section 6 of the AK. 6 mp 9/4/13
VOCs from packaging materials or radiolysis present	AK	No	CCP-TP-005 Attachment 5 does not identify any VOCs associated with packaging or radiolysis.
State Hazardous Waste Number assignment	AK	No	No additional State Hazardous Waste codes are identified in CCP-TP-005 Attachment 5.
Radionuclides present	NDA	No	See Additional Comments section and additional sheets attached.
Other radiological parameters: (specify)	NDA	No	No additional radiological parameters identified

NTPC RECORDS ORIGINAL
DATE REC'D 10/18/13
SP

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s):
Waste Stream Number: SR-SWMF-HET-B Lot # (if applicable) 1
Waste Stream Description: Heterogeneous Debris

Additional Comments:

• Per AK, the two most predominant nuclides by weight are Pu-239 and Np-237 at 67.88% and 21.22%, respectively. For this lot, the two predominant nuclides, by weight, are U-238 and Pu-239 at 97.64% and 2.07%, respectively. For this waste stream to date, the two most predominant nuclides, by weight, are U-238 and Pu-239 at 97.64% and 2.07%, respectively. This does not match AK. DR007 was initiated to resolve this discrepancy and the AK report will be revised to identify U-238 and Pu-239 as the predominant radionuclides for the waste stream.

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's).
b. If 'Yes,' AK Expert completes an Acceptable Knowledge Re-evaluation Checklist.
c. Identify the source of the waste characterization information (e.g., batch data report).
d. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Code is applied.

Site Project Manager:

Joshua Houghton — Print
— Sign
9/4/2013 — Date

Acceptable Knowledge Expert:

Michael Papp — Print
MPP — Sign
9/4/13 — Date

NDA Isotopic Weight Percent
SR-SWMF-HET-B
Lot 1

CONTAINERID	NDABDR	CO-60	SR-90	CS-137	EU-154	RA-226	AC-227	U-232	U-233	U-234	U-235	U-238	NP-237	PU-238	PU-239	PU-240	PU-241	PU-242	AM-241	CM-243
SR108180	SRLBC0706		8.02E-09	1.26E-08						1.95E-04				4.04E-04	8.09E-05	1.18E-05	1.22E-06	1.03E-06		
SR607474	SRLBC0900	7.48E-09	2.92E-06	4.58E-06	7.55E-07					2.01E-03	3.31E-01	2.40E+02		2.78E-03	7.45E-01	4.06E-02	8.68E-04	2.05E-03	8.67E-03	
SR607480	SRLBC0851		7.57E-06	1.19E-05			7.86E-08	1.06E-07					3.04E-02	5.66E-02	4.56E-01					
SR607482	SRLBC0851		1.01E-05	1.59E-05			1.30E-07	1.54E-07					5.22E-02	6.19E-02	5.23E-01					
SR607486	SRLBC0861	4.33E-08	2.41E-05	3.77E-05	5.12E-06		4.30E-07						9.43E-02	3.12E-02	3.37E+00					4.01E-05
		5.08E-08	4.47E-05	7.01E-05	5.88E-06		6.39E-07	2.60E-07		2.21E-03	3.31E-01	2.40E+02	1.77E-01	1.53E-01	5.09E+00	4.06E-02	8.69E-04	2.05E-03	8.67E-03	4.01E-05
Total Mass	245.8094337																			
		< 0.01 %	< 0.01 %	< 0.01 %	< 0.01 %		< 0.01 %	< 0.01 %		< 0.01 %	0.13 %	**97.64 %**	0.07 %	0.06 %	**2.07 %**	0.02 %	< 0.01 %	< 0.01 %	< 0.01 %	< 0.01 %

Individual Container Weight Percents

CONTAINERID	NDABDR	CO-60	SR-90	CS-137	EU-154	RA-226	AC-227	U-232	U-233	U-234	U-235	U-238	NP-237	PU-238	PU-239	PU-240	PU-241	PU-242	AM-241	CM-243
SR108180	SRLBC0706		0.00 %	0.00 %						28.10 %				58.22 %	11.66 %	1.70 %	0.18 %	0.15 %		
SR607474	SRLBC0900	0.00 %	0.00 %	0.00 %	0.00 %					0.00 %	0.14 %	99.53 %		0.00 %	0.31 %	0.02 %	0.00 %	0.00 %	0.00 %	
SR607480	SRLBC0851		0.00 %	0.00 %			0.00 %	0.00 %					5.60 %	10.42 %	83.97 %					
SR607482	SRLBC0851		0.00 %	0.00 %			0.00 %	0.00 %					8.19 %	9.72 %	82.09 %					
SR607486	SRLBC0861	0.00 %	0.00 %	0.00 %	0.00 %		0.00 %						2.70 %	0.89 %	96.41 %					0.00 %

NDA Isotopic Weight Percent Rollup
SR-SWMF-HET-B
Lots 1 Thru 1

		CO-60	SR-90	CS-137	EU-154	RA-226	AC-227	U-232	U-233	U-234	U-235	U-238	NP-237	PU-238	PU-239	PU-240	PU-241	PU-242	AM-241	CM-243
		5.08E-08	4.47E-05	7.01E-05	5.88E-06		6.39E-07	2.60E-07		2.21E-03	3.31E-01	2.40E+02	1.77E-01	1.53E-01	5.09E+00	4.06E-02	8.69E-04	2.05E-03	8.67E-03	4.01E-05
		5.08E-08	4.47E-05	7.01E-05	5.88E-06		6.39E-07	2.60E-07		2.21E-03	3.31E-01	2.40E+02	1.77E-01	1.53E-01	5.09E+00	4.06E-02	8.69E-04	2.05E-03	8.67E-03	4.01E-05
Total Mass	2.46E+02																			
		< 0.01 %	< 0.01 %	< 0.01 %	< 0.01 %		< 0.01 %	< 0.01 %		< 0.01 %	0.13 %	97.64 %	0.07 %	0.06 %	2.07 %	0.02 %	< 0.01 %	< 0.01 %	< 0.01 %	< 0.01 %

RTR Data
SR-SWMF-HET-B
Lot 1

Batch Data Report No.	Container	Cellulosics (kg)	Plastics (kg)	Rubber (kg)	Organic Matrix (kg)	Inorganic Matrix (kg)	Iron-based Metals (kg)	Aluminum-based Metals (kg)	Other Metals (kg)	Other Inorganics (kg)	Soils/Gravel (kg)	Total Organic (kg)	Total Inorganic (kg)	Total Waste Weight (kg)	Cellulosics Weight %	Plastics Weight %
SRSRTR0573	SR108180	17.6	4.8	0.3			0.6			4.3		22.7	4.9	27.6	63.77 %	17.39 %
SRLBR0069	SR607474	0.5	2				0.1		198.3	3		2.5	201.4	203.9	.25 %	.98 %
SR4RTR0291	SR607480	5	16	2.6			2			4		23.6	6	29.6	16.89 %	54.05 %
SR4RTR0291	SR607482		14.7	1.3			3			7.6		16	10.6	26.6	.00 %	55.26 %
SRLBR0069	SR607486	0.5	22.6				0.5			6		23.1	6.5	29.6	1.69 %	76.35 %

RTR Data
SR-SWMF-HET-B
Lot 1

Batch Data Report No.	Container	Rubber Weight %	Organic Matrix Weight %	Inorganic Matrix Weight %	Iron-based Metals Weight %	Aluminum-based Metals Weight %	Other Metals Weight %	Other Inorganics Weight %	Soils/gravel Weight %
SRSRTR0573	SR108180	1.09 %	.00 %	.00 %	2.17 %	.00 %	.00 %	15.58 %	.00 %
SRLBR0069	SR607474	.00 %	.00 %	.00 %	.05 %	.00 %	97.25 %	1.47 %	.00 %
SR4RTR0291	SR607480	8.78 %	.00 %	.00 %	6.76 %	.00 %	.00 %	13.51 %	.00 %
SR4RTR0291	SR607482	4.89 %	.00 %	.00 %	11.28 %	.00 %	.00 %	28.57 %	.00 %
SRLBR0069	SR607486	.00 %	.00 %	.00 %	1.69 %	.00 %	.00 %	20.27 %	.00 %

Total Lot Weight %								
Cellulosics Weight %	Plastics Weight %	Rubber Weight %	Organic Matrix Weight %	Inorganic Matrix Weight %	Iron-based Metals Weight %	Aluminum-based Metals Weight %	Other Metals Weight %	Other Inorganics Weight %
7.44 %	18.94 %	1.32 %	.00 %	.00 %	1.95 %	.00 %	62.50 %	7.85 %

Total Lot % Volume	
Organic	Inorganic
41.96 %	58.04 %

NDE Density Rollup Data Through Lot: 1
SR-SWMF-HET-B

Waste Stream Waste Material Parameter Weight Percent

Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/Gravel
3.35 %	16.02 %	2.22 %	0.00 %	0.00 %	31.43 %	0.00 %	27.15 %	18.39 %	1.44 %

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Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-MD-SOIL Lot # (if applicable) 8

Waste Stream Description: Soil

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Physical waste form/description	RTR/VE	No	RTR/VE Data Sheets indicate consistency with Attachment 6 of CCP-TP-005.
Waste material parameters weights	RTR/VE	No	RTR/VE Data Sheets indicate consistency with CCP-AK-SRS-8, Table 6-1A. See additional attached sheets.
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	RTR/VE	No	RTR/VE Data sheets indicate consistency with CCP-AK-SRS-8. See additional attached sheets.
Summary category group assignment	RTR/VE	No	Summary Category group S4000 is consistent with RTR/VE Data sheets.
Waste matrix code assignment	RTR/VE	No	Waste Matrix Code of S4200 is consitent with data from RTR Data Sheets.
Absence of prohibited items	RTR/VE	No	RTR/VE did not identify any prohibited items.
Tentatively identified compounds[c]	Solids Analysis	No	Diethyl Phalate was detected in greater than 25% of the samples and will be added to the Target Analyte List for this waste stream if any future sampling occurs.
EPA Hazardous Waste Number assignment [e]	Solids Analysis	No	Characterization results are consistent with Section 6 of CCP-AK-SRS-8.
Toxicity characteristic code assignment	Solids Analysis	No	Consistent with CCP Solids Analysis UCL_{90} Evaluation Forms.
UCL_{90} > PRQL?	Solids Analysis	No	Verified using CCP Solids Analysis UCL_{90} Evaluation Forms.
VOCs from packaging materials or radiolysis present	Solids Analysis	No	CCP-TP-005 Attachment 5 does not identify any VOCs associated with packaging or radiolysis.
State Hazardous Waste Number assignment	Solids Analysis	No	No additional State Hazardous Waste codes are identified in CCP-TP-005 Attachment 5.
Radionuclide's present	NDA	No	See Additional Comments section and additional sheets attached.
Other radiological parameters: (specify)	NDA	No	No additional radiological parameters identified.

NTPC RECORDS ORIGINAL
DATE REC'D 07/30/12 (L)

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-MD-SOIL Lot # (if applicable) 8

Waste Stream Description: Soil

Additional Comments:

- AK identifies the two most prevalent radionuclides by weight as Pu-239 at 60.80% and Pu-238 at 27.54%. For this Lot, the two most prevalent radionuclides by mass are Pu-239 and Pu-238 with weight percent values of 76.50% and 9.99% respectively. For this Waste Stream to-date the two most prevalent radionuclides by mass are Pu-239 and Pu-238 with weight percent values of 75.45% and 13.67% respectively.

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's).
b. If "yes," AK Expert completes an *Acceptable Knowledge Re-evaluation Checklist*.
c. Identify the source of the waste characterization information (e.g., batch data report).
d. Tentatively identified Compounds identified in the Headspace Gas Summary Report were identified on the Hazardous Constituent List, Attachment 5.
e. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Code is applied.

Site Project Manager:

Joshua Houghton — Print
Sign
1/29/2013 — Date:

Acceptable Knowledge Expert:

Chris Chancellor — Print
Sign
01/29/2013 — Date:

NDA Weight Percent Data
SR-MD-SOIL Rev. 1
Lot 8

CONTAINERID	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)	Am-243 (g)	Np-237 (g)	U-235 (g)	U-238 (g)	U-233 (g)	Cs-137 (g)	U-234 (g)	Sr-90 (g)	Ra-226 (g)	U-232
MDL0506566	1.05E-02	2.22E-03	4.17E-04	7.80E-05	2.78E-05	3.30E-05						6.12E-09	5.07E-03	3.89E-09		
MDL504472A	2.27E-03	9.56E-02	8.35E-03	2.07E-04	9.07E-04	6.22E-04		4.74E-04				1.99E-09	1.10E-03	1.27E-09		
Total Weight	1.28E-02	9.78E-02	8.77E-03	2.85E-04	9.35E-04	6.55E-04	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-09	6.17E-03	5.16E-09	0.00E+00	0.00E+00
1.28E-01																
Weight %	9.99%	76.50%	6.86%	0.22%	0.73%	0.51%	0.00%	0.37%	0.00%	0.00%	0.00%	0.00%	4.82%	0.00%	0.00%	0.00%

Supporting Documentation

NDA Weight Percent Data Through Lot 8
SR-MD-SOIL Rev. 1

CONTAINERID	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)	Am-243 (g)	Np-237 (g)	U-235 (g)	U-238 (g)	U-233 (g)	Cs-137 (g)	U-234 (g)	Sr-90 (g)	Ra-226 (g)	U-232
Total Weight	4.92E-01	2.72E+00	1.12E-01	3.29E-03	9.02E-03	2.86E-02	0.00E+00	1.95E-02	0.00E+00	0.00E+00	0.00E+00	4.18E-07	2.19E-01	2.65E-07	6.20E-06	2.78E-08
Weight %	*13.67%*	*75.45%*	3.11%	0.09%	0.25%	0.79%	0.00%	0.54%	0.00%	0.00%	0.00%	0.00%	6.09%	0.00%	0.00%	0.00%

Supporting Documentation

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	4	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

SUPPORTING DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a](2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b](2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Savannah River Site.

[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.

[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager	Joshua Houghton Printed Name	1/29/2013 Date

SUPPORTING DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pyridine [a]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.
[b] Required only for waste matrix code S3220 (organic sludges).

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager	Joshua Houghton Printed Name	1/29/2013 Date

SUPPORTING DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL Rev. 1 **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27800	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager	Joshua Houghton Printed Name	1/29/2013 Date

SUPPORTING DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

SUPPORTING DOCUMENTATION

CCP Solid VOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A
Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐			
If no, describe the basis for assigning the EPA Hazardous Waste Codes:			

SPM Signature _____ Date 1/29/2013

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

CCP Solid SVOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Diethyl Phthalate[1]	1.70	5	50.00%

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

(1) Diethyl Phalate was detected in greater than 25% of the samples. No additional sampling is expected and the TIC will be added to the Target Analyte List for this waste stream for any future sampling sets.

SPM Signature _____ Date 1/29/2013

SUPPORTING DOCUMENTATION

NDE Data
SR-MD-SOIL Rev. 1
Lot 8

Batch Data Report No.	Container	Cellulosics (kg)	Plastics (kg)	Rubber (kg)	Organic Matrix (kg)	Inorganic Matrix (kg)	Iron-based Metals (kg)	Aluminum-based Metals (kg)	Other Metals (kg)	Other Inorganics (kg)	Soils/gravel (kg)
SR4RTR0301	MDL0506566		2.0				5.0				246.1
SRSRTR0408	MDL504472A		1.5							8.0	95.9

Supporting Documentation

NDE Data
SR-MD-SOIL Rev. 1
Lot 8

Batch Data Report No.	Container	Cellulosics Weight %	Plastics Weight %	Rubber Weight %	Organic Matrix Weight %	Inorganic Matrix Weight %	Iron-based Metals Weight %	Aluminum-based Metals Weight %	Other Metals Weight %	Other Inorganics Weight %	Soils/gravel Weight %
SR4RTR0301	MDL0506566		0.79%				1.98%				97.23%
SRSRTR0408	MDL504472A		1.42%							7.59%	90.99%

Lot	8	Waste Stream Waste Material Parameter Weight Percent Lot Total							
Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/gravel (kg)
0.00%	0.98%	0.00%	0.00%	0.00%	1.39%	0.00%	0.00%	2.23%	95.40%

Supporting Documentation

NDE Density Rollup Data Through Lot: 8
SR-MD-SOIL Rev. 1

Waste Stream Waste Material Parameter Weight Percent

Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/gravel (kg)
0.11%	0.50%	0.03%	0.00%	0.00%	3.24%	0.00%	0.00%	5.73%	90.39%

DIVIDER PAGE

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-MD-SOIL Lot # (if applicable) 4

Waste Stream Description: Soil

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Physical waste form/description	RTR/VE	No	RTR/VE Data Sheets indicate consistency with Attachment 6 of CCP-TP-005.
Waste material parameters weights	RTR/VE	No	RTR/VE Data Sheets indicate consistency with CCP-AK-SRS-8, Table 6-1A. See additional attached sheets.
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	RTR/VE	No	RTR/VE Data sheets indicate consistency with CCP-AK-SRS-8. See additional attached sheets.
Summary category group assignment	RTR/VE	No	Summary Category group S4000 is consistent with RTR/VE Data sheets.
Waste matrix code assignment	RTR/VE	No	Waste Matrix Code of S4200 is consitent with data from RTR Data Sheets.
Absence of prohibited items	RTR/VE	No	RTR/VE did not identify any prohibited items.
Tentatively identified compounds[d]	Solids Analysis	No	See Additional Comments section
EPA Hazardous Waste Number assignment [e]	Solids Analysis	No	Characterization results are consistent with Section 6 of CCP-AK-SRS-8.

CCP RECORDS ORIGINAL
DATE REC'D 1/26/12

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-MD-SOIL Lot # (if applicable) 4

Waste Stream Description: Soil

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)	Acceptable Knowledge Re-evaluation Required? Yes/No[b]?	Comments[c]
Toxicity characteristic code assignment	Solids Analysis	No	Consistent with CCP Solids Analysis UCL_{90} Evaluation Forms.
UCL_{90} > PRQL?	Solids Analysis	No	Verified using CCP Solids Analysis UCL_{90} Evaluation Forms.
VOCs from packaging materials or radiolysis present	Solids Analysis	No	CCP-TP-005 Attachment 5 does not identify any VOCs associated with packaging or radiolysis.
State Hazardous Waste Number assignment	Solids Analysis	No	No additional State Hazardous Waste codes are identified in CCP-TP-005 Attachment 5.
Radionuclide's present	NDA	No	See Additional Comments section and additional sheets attached.
Other radiological parameters: (specify)	NDA	No	No additional radiological parameters identified.

CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-MD-SOIL Lot # (if applicable) 4

Waste Stream Description: SOIL

Additional Comments:

- AK identifies Pu-238 and Np-237 as the two most prevalent radionuclides by weight but further notes that due to the alpha decay of Pu-238 to U-234, the two most prevalent radionuclides, by mass, will likely be Pu-238 followed by U-234. However, an AK re-evaluation has been performed and the two most prevalent radionuclides by weight are Pu-239 at 60.80% and Pu-238 at 27.54%. For this Lot, the two most prevalent radionuclides by mass are Pu-239 and Pu-240 with weight percent values of 86.94% and 6.96% respectively. For this Waste Stream to-date the two most prevalent radionuclides by mass are Pu-239 and Pu-238 with weight percent values of 78.04% and 11.70% respectively. The AK document is in the process of being updated.

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's).
b. If "yes," AK Expert completes an *Acceptable Knowledge Re-evaluation Checklist.*
c. Identify the source of the waste characterization information (e.g., batch data report).
d. Tentatively Identified Compounds identified in the Headspace Gas Summary Report were identified on the Hazardous Constituent List, Attachment 5.
e. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Code is applied.

Site Project Manager:

Richard Kantrowitz — Print

— Sign

12/01/2011 — Date:

Acceptable Knowledge Expert:

Christopher Chancellor — Print

— Sign

12/01/2011 — Date:

NDA Weight Percent Data
SR-MD-SOIL
Lot 4

CONTAINERID	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)	Am-243 (g)	Np-237 (g)	U-235 (g)	U-238 (g)	U-233 (g)	Cs-137 (g)	U-234 (g)	Sr-90 (g)	Ra-226 (g)
MDL0504474	7.23E-03				9.64E-06							4.51E-09	3.50E-03	2.88E-09	
MDL0506007	3.43E-03				4.58E-06							4.92E-09	1.66E-03	3.14E-09	
MDL0506103	3.34E-03				4.46E-06							1.58E-08	1.62E-03	9.93E-09	
MDL0506588	3.09E-03				4.12E-06							2.56E-09	1.50E-03	1.63E-09	3.02E-07
MDL0506675	6.77E-03				9.02E-05							2.02E-09	3.28E-03	1.29E-09	
MDL0506692	3.27E-03				4.36E-06			5.65E-04				8.28E-09	1.58E-03	5.28E-09	
MDL5044728	1.22E-02	1.14E+00	9.57E-02	2.39E-03	6.81E-03	1.41E-03		1.04E-03				1.68E-09		1.07E-09	
MDL5045868	1.84E-03	5.93E-02			2.45E-06	7.43E-04		7.08E-04				8.41E-09	8.91E-04	5.36E-09	
MDL506105A	1.03E-02	3.11E-03	5.81E-04	1.27E-05	3.90E-05							3.38E-09	4.99E-03	2.16E-09	
Weight %	3.72%	86.94%	6.96%	0.17%	0.50%	0.16%	0.00%	0.17%	0.00%	0.00%	0.00%	0.00%	1.38%	0.00%	0.00%

SUPPORT
DOCUMENTATION

NDA Weight Percent Data Through Lot 4
SR-MD-SOIL

CONTAINERID	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)	Am-243 (g)	Np-237 (g)	U-235 (g)	U-238 (g)	U-233 (g)	Cs-137 (g)	U-234 (g)	Sr-90 (g)	Ra-226 (g)
Total Weight	3.85E-01	2.57E+00	1.02E-01	2.99E-03	7.92E-03	2.77E-02	0.00E+00	1.86E-02	0.00E+00	0.00E+00	0.00E+00	3.32E-07	1.79E-01	2.11E-07	6.52E-07
Weight %	11.70%	78.04%	3.09%	0.09%	0.24%	0.84%	0.00%	0.56%	0.00%	0.00%	0.00%	0.00%	5.44%	0.00%	0.00%

SUPPORT DOCUMENTATION

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Bromoform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Carbon Disulfide	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Carbon Tetrachloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chlorobenzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Chloroform	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1-Dichloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,2-Dichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Ethyl benzene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Methylene chloride	No	0	10	0.29000	0.22200	0.04809	0.24303	10	N/A		
m,p-Xylene[d]	No	0	10	0.39000	0.26750	0.09376	0.30850	10	N/A		
o-Xylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2,2-Tetrachloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Tetrachloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Toluene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
trans-1,2-Dichloroethylene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,1-Trichloroethane	No	0	10	0.19500	0.17900	0.00937	0.18310	10	N/A		
Trichloroethene	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
1,1,2-Trichloro-1,2,2-trifluoroethane	No	0	10	0.38000	0.26900	0.09695	0.31140	10	N/A		
1,1,2-Trichloroethane	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Trichlorofluoromethane	No	0	10	0.29000	0.22300	0.04715	0.24362	10	N/A		
Vinyl chloride	No	0	10	0.19500	0.13400	0.04713	0.15461	10	N/A		
Acetone	Log	0	10	0.53063	0.27434	0.20236	0.36284	100	4.61		
Butanol	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Methanol	No	0	10	1.15000	0.81500	0.27085	0.93346	100	N/A		
Methyl ethyl ketone	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		

SUPPORT DOCUMENTATION

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Ethyl ether	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
Isobutanol	Log	0	10	0.13976	0.07629	0.03847	0.09311	100	4.61		
Pyridine	No	0	10	1.70000	1.07500	0.54480	1.31327	100	N/A		
1,4-Dichloroethanebenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Ortho-Dichlorobenzene[c]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Formaldehyde[a(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Hydrazine[b(2)]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

[a] Required only for homogenous solids and soil/gravel waste from Los Alamos National Laboratory and Savannah River Site.

[b] Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.

[c] Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAO's of CCP-TP-001, Table C3-6 apply.

[d] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as "Total m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) Waste stream SR-MD-SOIL was generated and packaged at the Mound Site and later shipped to SRS for characterization. Because the soil/gravel in this waste stream is from the Mound site and does not contain homogenous solids or soils/gravel from SRS, analysis for analytes specific to SRS homogenous solids and soils/gravels (Formaldehyde and Hydrazine) was not performed.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

12/1/2011
Date

SUPPORT DOCUMENTATION

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
1,2-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
1,4-Dichlorobenzene [a]	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
2,4-Dinitrophenol	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
2,4-Dinitrotoluene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Hexachlorobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Hexachloroethane	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
2-Methylphenol (cresols)	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	2.6	0.96		
3&4 -Methylphenol (cresols)	Log	0	10	-0.90387	-1.82640	0.56912	-1.57749	40	3.69		
Nitrobenzene	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		
Pentachlorophenol	Log	0	10	-1.60944	-2.17421	0.28485	-2.04963	40	3.69		

[a] Can also be analyzed as an VOC. If analyzed as an VOC, the QAO's of CCP-TP-001, Table C3-4 apply.

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

12/1/2011
Date

SUPPORT DOCUMENTATION

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSPF #: SR-MD-SOIL **Waste Stream Lot Number** 1 through 2

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples	Maximum (ppmv)	Mean (ppmv)	SD (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Code
Antimony	SQRT	9	10	1.26491	0.96450	0.21278	1.05756	100	10.00		
Arsenic	Log	10	10	1.93152	1.26004	0.35988	1.41743	100	4.61		
Barium	No	10	10	90.00000	73.90000	14.57890	80.27611	2000	N/A		
Beryllium	No	10	10	0.93000	0.84000	0.06976	0.87051	100	N/A		
Cadmium	No	8	10	0.56000	0.27800	0.16288	0.34923	20	N/A		
Chromium	SQRT	10	10	8.94427	6.26290	1.93681	7.10997	100	10.00		
Lead	Log	10	10	2.39790	2.09632	0.15803	2.16543	100	4.61		
Mercury	SQRT	10	10	0.79373	0.49970	0.15019	0.56538	4	2.00		
Nickel	Log	10	10	2.99573	2.76668	0.11311	2.81615	100	4.61		
Selenium	Log	3	10	1.02962	-0.50270	0.82197	-0.14322	20	3.00		
Silver	No	6	10	0.89000	0.35095	0.31489	0.48867	100	N/A		
Thallium	No	0	10	0.50000	0.44950	0.05220	0.47233	100	N/A		
Vanadium	Log	10	10	3.76120	3.36873	0.22168	3.46568	100	4.61		
Zinc	Log	10	10	4.31749	4.02822	0.19225	4.11230	100	4.61		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

12/1/2011
Date

SUPPORT DOCUMENTATION

CCP Solid VOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A
Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐			
If no, describe the basis for assigning the EPA Hazardous Waste Codes:			

SPM Signature _____ Date 12/1/2011

SUPPORT DOCUMENTATION

CCP Solid SVOCs Summary Data

Waste Stream Number SR-MD-SOIL Waste Stream Lot Number 2

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Diethyl Phthalate[1]	1.70	5	50.00%

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

(1) The lab reported on the Data Report Narrative for each of the two BDRs that the presence of Diethyl Phtalate in the laboratory blanks and all of the samples indicate that the detections are due to laboratory contamination. The subject TIC is listed in 40CFR261 Appendix VIII; however, based on the laboratory determination that the TIC is attributable to laboratory contamination; a reevaluation AK is not warranted for this condition and the TIC will not be added to the Target Analyte list for this waste stream.

SPM Signature _____ Date 12/1/2011

SUPPORT DOCUMENTATION

NDE Data
SR-MD-SOIL
Lot 4

Batch Data Report No.	Container	Cellulosics (kg)	Plastics (kg)	Rubber (kg)	Organic Matrix (kg)	Inorganic Matrix (kg)	Iron-based Metals (kg)	Aluminum-based Metals (kg)	Other Metals (kg)	Other Inorganics (kg)	Soils/gravel (kg)
SR4RTR0107	MDL0504474		0.5							18.5	231
SR4RTR0108	MDL0506007		0.5							22.0	280.5
SR4RTR0053	MDL0506103		0.8				0.1			2.5	276.1
SRSRTR0494	MDL0506588		0.5							39.0	54.8
SR4RTR0107	MDL0506675		0.5							22.0	257.5
SR4RTR0107	MDL0506692		0.5							20.8	233.7
SR4RTR0130	MDL504472B	0.2	1.0							7.1	98.1
SR4RTR0108	MDL504586B		0.5							14.9	114
SR4RTR0063	MDL506105A		1.5							10.0	130.9

SUPPORT DOCUMENTATION

NDE Data
SR-MD-SOIL
Lot 4

Batch Data Report No.	Container	Cellulosics Weight %	Plastics Weight %	Rubber Weight %	Organic Matrix Weight %	Inorganic Matrix Weight %	Iron-based Metals Weight %	Aluminum-based Metals Weight %	Other Metals Weight %	Other Inorganics Weight %	Soils/gravel Weight %
SR4RTR0107	MDL0504474		0.20%							7.40%	92.40%
SR4RTR0108	MDL0506007		0.17%							7.26%	92.57%
SR4RTR0053	MDL0506103		0.29%				0.04%			0.89%	98.78%
SRSRTR0494	MDL0506588		0.53%							41.36%	58.11%
SR4RTR0107	MDL0506675		0.18%							7.86%	91.96%
SR4RTR0107	MDL0506692		0.20%							8.16%	91.65%
SR4RTR0130	MDL504472B	0.19%	0.94%							6.67%	92.20%
SR4RTR0108	MDL504586B		0.39%							11.51%	88.10%
SR4RTR0063	MDL506105A		1.05%							7.02%	91.92%

Lot 4	Waste Stream Waste Material Parameter Weight Percent Lot Total								
Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/gravel (kg)
0.01%	0.34%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	8.52%	91.12%

SUPPORT DOCUMENTATION

NDE Density Rollup Data Through Lot: 4
SR-MD-SOIL

Waste Stream Waste Material Parameter Weight Percent

Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/gravel (kg)
0.04%	0.60%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	7.48%	91.86%

SUPPORT DOCUMENTATION

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PAGE

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-W027-321M-HOM Lot # (if applicable) 1

Waste Stream Description: Absorbed Organic Liquids

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)[b]	Acceptable Knowledge Re-evaluation Required? Yes/No[c]?	Comments[d]
Physical waste form/description	RTR	No	RTR Data Sheets indicate consistency with Attachment 6 of CCP-TP-005.
Waste material parameters weights	RTR	No	RTR Data Sheets indicate consistency with AK, see attached sheets.
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media	RTR	No	RTR Data sheets indicate consistency with CCP-AK-SRS-14. See additional attached sheets.
Summary category group assignment	RTR	No	Summary Category Group S3000 is consistent with RTR Data sheets.
Waste matrix code assignment	RTR	No	The waste in this lot is comprised of greater than 50% solidified material. This is consistent with the S3000 Waste Matrix Code assignment based on AK.
Absence of prohibited items	RTR	No	RTR did not identify any prohibited items.
Tentatively identified compounds[f]	Solids Analysis	No	No TICs were identified in this waste stream.
EPA Hazardous Waste Number assignment [e]	Solids Analysis	No	Characterization results consistent with CCP-AK-SRS-14.
Toxicity characteristic code assignment	Solids Analysis	No	Consistent with CCP Solids Analysis UCL_{90} Evaluation forms.
UCL_{90} > PRQL?	Solids Analysis	No	Trichloroethylene and Lead exceeded PRQL. EPA HWNs F002 and D008 consistent with AK.
VOCs from packaging materials or radiolysis present	Solids Analysis	No	CCP-TP-005 Attachment 5 does not identify any VOCs associated with packaging or radiolysis.
State Hazardous Waste Number assignment	Solids Analysis	No	No additional State Hazardous Waste codes are identified in CCP-TP-005 attachment 5.
Radionuclides present	NDA	No	See Additional Comments section and additional sheets attached.
Other radiological parameters: (specify)	NDA	No	No additional radiological parameters identified.

NTPC RECORDS ORIGINAL
DATE RECD 02/13/13

Attachment 13 - CCP Waste Stream Characterization Checklist

Site(s): SRS

Waste Stream Number: SR-W027-321M-HOM Lot # (if applicable) 1

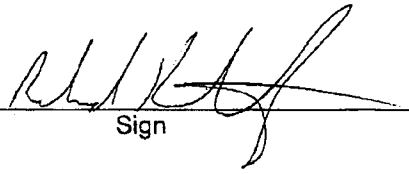
Waste Stream Description: Absorbed Organic Liquids

Additional Comments:

- AK (as documented in DR012) identifies the two most prevalent radionuclides as being Pu-239 at 69.86% and Np-237 as 18.54% respectively. CCP certified NDA has determined that the two most prevalent radionuclides are Pu-239 at 69.86% and Np-237 at 18.54%. This is consistent with AK.

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's).
b. Use the *Acceptable Knowledge and Waste Characterization Data Cross-Reference (Attachment 9)* to identify applicable testing, sampling, and analysis information to resolve the acceptable knowledge information, as applicable.
c. If "yes," AK Expert completes an *Acceptable Knowledge Re-evaluation Checklist.*
d. Identify the source of the waste characterization information (e.g., batch data report). Note if AK sufficiency scenarios 1, 2, or 3 are applicable.
e. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Code is applied.
f. Tentatively Identified Compounds identified in the Headspace Gas Summary Report were identified on the Hazardous Constituent List, Attachment 5.

Site Project Manager:

Richard Kantrowitz  04/15/2013

Print Sign Date:

Acceptable Knowledge Expert:

Christopher Chancellor 04/15/2013

Print Sign Date:

NDA Weight Percent Data
SR-W027-321M-HOM
Lot 1

CONTAINERID	Sr-90 (g)	Cs-137 (g)	U-233 (g)	U-234 (g)	U-235 (g)	U-238 (g)	Np-237 (g)	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)
SR500174	7.35E-09	1.15E-08		1.02E-03			4.99E-03	2.10E-03	1.88E-02			2.80E-06	
Total Weight													
2.69E-02	7.35E-09	1.15E-08	0.00E+00	1.02E-03	0.00E+00	0.00E+00	4.99E-03	2.10E-03	1.88E-02	0.00E+00	0.00E+00	2.80E-06	0.00E+00
Weight %	0.00%	0.00%	0.00%	3.79%	0.00%	0.00%	**18.54%**	7.80%	**69.86%**	0.00%	0.00%	0.01%	0.00%

Supporting Documentation

NDA Weight Percent Data Through Lot 1
SR-W027-321M-HOM

	Sr-90 (g)	Cs-137 (g)	U-233 (g)	U-234 (g)	U-235 (g)	U-238 (g)	Np-237 (g)	Pu-238 (g)	Pu-239 (g)	Pu-240 (g)	Pu-241 (g)	Pu-242 (g)	Am-241 (g)
Total Weight	7.35E-09	1.15E-08	0.00E+00	1.02E-03	0.00E+00	0.00E+00	4.99E-03	2.10E-03	1.88E-02	0.00E+00	0.00E+00	2.80E-06	0.00E+00
2.69E-02													
Weight %	0.00%	0.00%	0.00%	3.79%	0.00%	0.00%	**18.54%**	7.80%	**69.86%**	0.00%	0.00%	0.01%	0.00%

Supporting Documentation

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis VOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (ppmv)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA HWN
Benzene	No	5	5	4.4000	3.4600	1.1929	4.2779	10.0	N/A		
Bromoform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Disulfide	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Carbon Tetrachloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Chlorobenzene	No	0	5	0.0900	0.0880	0.0027	0.0899	10.0	N/A		
Chloroform	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,2-Dichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Ethyl Benzene	No	5	5	4.2000	3.4600	0.8792	4.0628	10.0	N/A		
Methylene Chloride	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
m,p-Xylene[a]	No	5	5	2.6000	2.1600	0.5128	2.5116	10.0	N/A		
o-Xylene	No	5	5	4.6000	3.8000	0.9670	4.4630	10.0	N/A		
1,1,2,2-Tetrachloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Tetrachloroethylene	No	4	5	0.8400	0.6570	0.3240	0.8792	10.0	N/A		
Toluene	No	5	5	10.0000	8.3800	2.2521	9.9242	10.0	N/A		
Trans-1,2-Dichloroethylene	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,1-Trichloroethane	No	3	5	0.5300	0.3630	0.1724	0.4812	10.0	N/A		
Trichloroethylene	No	5	5	20.0000	16.4400	4.8957	19.7968	10.0	N/A	Yes	F002
1,1,2-Trichloro-1,2,2-trifluoroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
1,1,2-Trichloroethane	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	10.0	2.3026		
Trichlorofluoromethane	No	0	5	0.2750	0.2640	0.0089	0.2701	10.0	N/A		
Vinyl Chloride	Log	0	5	-1.6874	-1.7378	0.0368	-1.7126	4.0	1.3863		
Acetone	Log	4	5 (3)	3.7136	2.9692	0.5138	3.3900	100	4.6052		
Butanol	Log	4	5 (3)	3.4340	2.9825	0.3048	3.2321	100	4.6052		
Methanol	Log	0	5	3.8918	1.1154	1.5525	2.1799	100	4.6052		
Methyl ethyl ketone	Log	4	5 (3)	3.0445	2.7749	0.1827	2.9245	100	4.6052		
Ethyl ether	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Isobutanol	Log	0	5 (3)	0.7655	0.7111	0.0416	0.7452	100	4.6052		
Pyridine	Log	1	5 (3)	2.8904	1.2604	1.0874	2.1508	100	4.6052		
Formaldehyde	No	0	5	1.0000	1.0000	0.0000	1.0000	100	N/A		
Hydrazine	No	0	5	1.5000	1.4700	0.0274	1.4888	100	N/A		

[a] These xylene isomers cannot be resolved by the analytical methods employed in the program. m-Xylene and p-Xylene will be reported as a total "m-p-Xylene."

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) One sample, due to dilution requirements, had an MDL that exceeded the PRQL for the following analytes: Acetone, Butanol, Methyl ethyl ketone, Ethyl Ether, Isobutanol, and Pyridine. Therefore, only 4 samples were used for analysis.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/15/2013
Date

SUPPORT DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis SVOC UCL_{90} Evaluation Form

WSPF #: SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
1,2-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
1,4-Dichlorobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2,4-Dinitrophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
2,4-Dinitrotoluene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachlorobenzene	No	0	5 (5)	0.0000	0.0000	0.0000	0.0000	2.6	N/A		
Hexachloroethane	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
2-Methylphenol (o-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
3&4-Methylphenol (m&p-Cresol)	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		
Nitrobenzene	No	0	5 (3)	12.0000	12.0000	0.0000	12.0000	40	N/A		
Pentachlorophenol	No	0	5 (4)	20.0000	15.5000	6.6081	20.9112	40	N/A		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) Due to dilution requirements, four samples had non-detected results that exceeded the PRQL. Consequently, the UCL_{90} was set to the maximum result and the non-transformed data set was automatically chosen.

(4) Due to dilution requirements, one sample had a non-detected result that exceeded the PRQL. Consequently, four data points were used in the calculations

(5) All sample results were non-detects that exceeded the PRQL. With no usable data, no UCL_{90} could be calculated. No EPA HWN is assigned as 2,4-Dinitrotoluene and Hexachlorobenzene are not listed in the AK.

Signature of Site Project Manager

Richard Kantrowitz
Printed Name

4/15/2013
Date

SUPPORT DOCUMENTATION

CCP-TP-003 Rev 19
Effective Date: 11/2/12
CCP Data Analysis for S3000, S4000, and S5000 Characterization

CCP Solids Analysis Metals UCL_{90} Evaluation Form

WSI SR-W027-321M-HOM **Solids Summary Waste Stream Lot Number** 1 through 1

ANALYTE	Transform Data Used (No, Data-Log, SQRT, other)	# Samples above MDL (1)	# Samples (2)	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg) (2)	UCL90 (mg/kg)	PRQL (mg/kg)	Transformed PRQL	UCL_{90} > PRQL Yes	EPA HWN
Antimony	Log	2	5	-0.03	-0.97	0.61	-0.55	100	5		
Arsenic	Log	0	5	-0.80	-0.80	0.00	-0.80	100	5		
Barium	Log	5	5	5.08	4.71	0.24	4.88	2000	8		
Beryllium	No	5	5	3.60	3.34	0.24	3.51	100	N/A		
Cadmium	Log	5	5	0.18	-0.62	0.63	-0.19	20	3		
Chromium	SQRT	5	5	8.83	7.22	1.12	7.99	100	10		
Lead	No	5	5	380.00	138.24	182.41	263.32	100	N/A	Yes	D008
Mercury	SQRT	4	5	0.18	0.13	0.04	0.15	4	2		
Nickel	Log	5	5	3.47	2.96	0.30	3.16	100	4.61		
Selenium	Log	1	5	0.34	-0.49	0.46	-0.17	20	3		
Silver	Log	1	5	-1.17	-2.63	0.82	-2.07	100	5		
Thallium	No	0	5	0.30	0.30	0.00	0.30	100	N/A		
Vanadium	No	5	5	56.00	48.00	7.65	53.24	100	N/A		
Zinc	Log	5	5	4.70	4.29	0.27	4.48	100	4.61		

Comments:

(1) For analytes where there were no samples measured above the MDL value, 1/2 of the MDL value was used. (Per section C4 of the WAP, 1/2 of the MDL value is used in calculating the mean concentration.)

(2) This waste stream consists of one container. Per CCP-TP-162, five solids samples are required for analysis. Consequently, the single container was sampled five times.

(3) No varience in data was found for Thallium, due to all non detect data points. The maximum value is used as the UCL_{90}.

Signature of Site Project Manager	Richard Kantrowitz Printed Name	4/15/2013 Date

SUPPORT DOCUMENTATION

CCP Solid VOCs Summary Data

Waste Stream Number SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 4/15/2013

SUPPORT DOCUMENTATION

CCP Solid SVOCs Summary Data

Waste Stream Number: SR-W027-321M-HOM

Solids Summary Waste Stream Lot Number: 1 through 1

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (mg/kg)	# Samples Containing TIC	% Detected
None	N/A	N/A	N/A

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☑ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Codes:

SPM Signature _____ Date 4/15/2013

SUPPORT DOCUMENTATION

RTR/VE Data
SR-W027-321M-HOM
Lot 1

Batch Data Report No.	Container	Cellulosics (kg)	Plastics (kg)	Rubber (kg)	Organic Matrix (kg)	Inorganic Matrix (kg)	Iron-based Metals (kg)	Aluminum-based Metals (kg)	Other Metals (kg)	Other Inorganics (kg)	Soils/gravel (kg)	Total Organic (kg)	Total Inorganic (kg)	Total Waste Weight (kg)
SR4RTR0230	SR500174		4.5		73.1		3.3					77.6	3.3	80.90

RTR/VE Data
SR-W027-321M-HOM
Lot 1

Batch Data Report No.	Container	Cellulosics Weight %	Plastics Weight %	Rubber Weight %	Organic Matrix Weight %	Inorganic Matrix Weight %	Iron-based Metals Weight %	Aluminum-based Metals Weight %	Other Metals Weight %	Other Inorganics Weight %	Soils/gravel Weight %
SR4RTR0230	SR500174		5.56%		90.36%		4.08%				

Lot	1	Waste Stream Waste Material Parameter Weight Percent Lot Total							
Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics	Soils/gravel
0.00%	5.56%	0.00%	90.36%	0.00%	4.08%	0.00%	0.00%	0.00%	0.00%

Supporting Documentation

RTR/VE Density Rollup Data Through Lot: 1
SR-W027-321M-HOM

Waste Stream Waste Material Parameter Weight Percent

Cellulosics	Plastics	Rubber	Organic Matrix	Inorganic Matrix	Iron-based Metals	Aluminum-based Metals	Other Metals	Other Inorganics (Absorbent)	Soils/gravel
0.00%	5.56%	0.00%	90.36%	0.00%	4.08%	0.00%	0.00%	0.00%	0.00%

DIVIDER

PAGE

CCP Correlation of Container Identification Numbers to Batch Data Report Numbers

Waste Stream: # SR-RH-221H.01 Lot # 1

Container ID Number	Historical Container ID	NDA BDR or Radiological Characterization BDR (CH only)	RTR BDR	VE BDR	Load Management/ Overpack Yes
SR526226	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR522331	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513955	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR513961	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR526224	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR545535	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526264	NA	SRSRHDTC12001	SR4RTR0220	N/A	
SR526263	NA	SRSRHSTC12002	SR4RTR0248	N/A	
SR526227	NA	SRSRHDTC12001	SR4RTR0248	NA	
SR526225	NA	SRSRHDTC12003	SR4RTR0249	N/A	
SR522989	NA	SRSRHDTC11003	SR4RTR0249	NA	
SR570547	NA	SRSRHDTC11003	SR4RTR0196	N/A	
SR570548	NA	SRSRHDTC11003	SR4RTR0196	NA	
SR570546	NA	SRSRHDTC12001	SR4RTR0248	N/A	
SR570545	NA	SRSRHDTC12001	SR4RTR0220	NA	
SR503513	NA	SRSRHDTC12003	SRLBR0079	NA	

Signature of Site Project Manager

Laura Nelson
Printed Name

Date

CCP RTR/VE Summary of Prohibited Items and AK Confirmation

Waste Stream Number: SR-RH-221H.01 Lot #: 1

Container Number	RTR Prohibited Items [a]	Visual Examination Prohibited Items [a]	Does the Physical Form of the Waste Match the Waste Stream Description as Determined by AK
See correlation of container ID numbers for list of remaining drum numbers in this Lot.	None of the containers in this Lot had prohibited items identified during Real Time Radiography Examination.	Visual Examination technique was not used on any of the containers in this Lot.	The physical form of the waste found in all the containers in this lot match the Waste Stream Description as Determined by AK.
a. See Batch Data Reports b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF).			
Justification for the selection of RTR and/or VE: RTR was selected as the characterization method for this lot because the waste containers were previously packaged and RTR is an acceptable characterization method to meet the applicable Data Quality Objectives for previously packaged debris in waste stream SR-RH-221H.01.			

Site Project Manager Signature — Laura Nelson (Printed Name) — Date

Table C6-3 Radiography Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Radiography Checklist

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	QUALITY ASSURANCE OBJECTIVES					
233	Are process procedures in place to meet the following Quality Assurance Objectives? <u>Precision</u> • Does the site describe in its QAPjP and SOP(s) activities to reconcile any discrepancies between two radiography operators with regard to identification of the waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases through independent replicate scans and independent observations? And additionally, activities to verify the precision of radiography prior to use by tuning precisely enough to demonstrate compliance with QAOs through viewing an image test pattern? <u>Accuracy</u> • Was accuracy obtained by using a target to tune the image for maximum sharpness and by requiring operators to successfully identify 100 percent of the required items in a training container during their initial qualification and subsequent requalification	CCP-TP-053 S. 4.3.3, 4.5.3 & 4.6.3 CCP-QP-002 S. 4.3.2 [C.4](a) Att. 4	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
233a	<u>Completeness</u> • Was an audio/videotape (or equivalent media) of the radiography examination and a radiography data form validated according to the requirements in Section C3-4? • Was an audio/videotape (or equivalent media) of the radiography examination and a radiography data form obtained for 100% of the waste containers subject to radiography? <u>Comparability</u> • Is comparability ensured through the use of standardized radiography procedures and operator training and qualifications (Section C3-2a)	CCP-TP-053 S. 2.2, 4.4, 4.5, 4.6 Att. 2 & 3 CCP-QP-002 S. 4.3.2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)** Training and qualification records for 4 RTR operators **(RTR-2)**	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	CHARACTERIZATION AND SYSTEM REQUIREMENTS					
234	Does the site have procedures to ensure that radiography is used to identify and verify waste container contents and verify the waste's physical form? Does the site have procedures to identify prohibited materials? (Section C-3b; C1-1)	CCP-TP-053 S.1.0, 4.4.1 [B]-[E], Table 1 Att. 2	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
235	Do procedures or other supporting documentation ensure that every waste container will undergo radiography and/or VE as necessary to augment AK? (Section C-3b)	CCP-PO-001 C-3b CCP-TP-002 S. 4.7.1, 4.7.2, 4.2 & 4.4 CCP-TP-001 S. 3.1, 4.2 Att. 2 CCP-TP-500 S. 3.4, 4.4 Att. 3	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)** SRSRHVE13001 **(GEN-8)**	Y	
236	Do procedures ensure that containers whose contents prevent full examination are examined by visual examination rather than by radiography unless the site certifies that visual examination would provide no additional relevant information for that container based on the AK information for the waste stream? (Section C1-1)	CCP-TP-053 S. 4.4.2 [B] & [C]	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
237	Do procedures or other supporting documentation ensure that the physical form determined by radiography is compared with the waste stream descriptions? If discrepancies are noted, will a new waste stream be identified? (Section C-3b)	CCP-TP-053 S. 4.4.2[H.2] Att. 2 & 3 CCP-TP-001 S. 4.2 Att. 2 CCP-TP-005	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
		S. 4.5.3[C] & 4.8		SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)**		
238	Are there procedures to ensure the data is obtained from an audio/video recorded scan provided by trained radiography operators? (Section C1-1)	CCP-TP-053 S. 2.2 Att. 2 & 3	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
239	Were all activities required to achieve the radiography objective described in site Quality Assurance Project Plans (QAPjPs) and Standard Operating Procedures (SOPs)? (Section C3-2)	CCP-PO-001 S. C3-2 CCP-TP-053 (All)	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
240	Did the radiography system consist of the following equipment or equivalent: • an X-ray producing device? • an imaging system? • an enclosure for radiation protection?	CCP-TP-053 S. 4.2 – 4.4 CCP-TP-074 (All)	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074	Y	The audit team observed the RTR characterization processes at the Savannah River Site (SRS) in Solid Waste Materials Facility (SWMF) Area E, Cell #2 using the Large Container RTR Unit, and

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	• a waste container handling system? • an audio/video recording system or equivalent? • an operator control and data acquisition station? (Section C1-1)	CCP-TP-145 (All)		SRLBR0094 SRLBR0110 **(RTR-1)**		TRU-Pad facilities for RTR unit # 4. Each RTR Unit contained the components required by the WAP to effectively characterize the CH and RH summary category groups subject to the scope of the audit.
241	Did the X-ray producing device have controls which allow the operator to vary voltage, thereby controlling image quality? Was it possible to vary the voltage, typically between 150-400 kV, to provide an optimum degree of penetration through the waste? Was high-density material examined with the X-ray device set on the maximum voltage? Was low-density material examined at lower voltage settings to improve contrast and image definition? (Section C1-1)	CCP-TP-053 S. 4.4.1 [C]	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	The audit team observed the RTR characterization processes at the Savannah River Site (SRS) in Solid Waste Materials Facility (SWMF) Area E, Cell #2 using the Large Container RTR Unit, and TRU-Pad facilities for RTR unit # 4. Each RTR Unit contained the components required by the WAP to effectively characterize the CH and RH summary category groups subject to the scope of the audit.
242	Do procedures or other documentation ensure that an audio/videotape or equivalent is made of the waste container scan and maintained as a non-permanent record? (Section C1-1)	CCP-TP-053 S. 4.3, 5.1.2 Att. 1, 2 & 3	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
	DATA COMPILATION					
243	Are there procedures to ensure that a radiography data form is used to document the waste matrix code, ensure the waste container contains no ignitable, corrosive or reactive waste by documenting the absence of liquid in excess of TSDF-WAC limits or compressed gases, and verify that the physical form of the waste is consistent with the waste stream description documented on the WSPF? (Section C1-1)	CCP-TP-053 S. 4.4 Att. 2 & 3	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
245	If radiography indicates that the waste does not match the waste stream description, do procedures ensure that the appropriate corrective action was taken? (Section C-3b)	CCP-TP-053 S. 4.4.2 [H.2]	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**		
246	If a discrepancy is noted, do procedures ensure that the proper waste stream assignment is determined, the correct hazardous waste numbers assigned, and the resolution documented? (Section C-3b)	CCP-TP-005 S. 4.8	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)**	Y	
	TRAINING					
247	Do site procedures ensure that only trained personnel are allowed to operate radiography equipment? (Section C1-1)	CCP-TP-053 S. 2.2.1 CCP-QP-002 S. 4.3.2	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
248	Do site procedures ensure that training requirements for radiography operators is based upon existing industry standard training requirements? (Section C1-1)	CCP-QP-002 S. 4.3.2 [A.2]	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
249	Does the documented training program provide radiography operators with both formal and on-the-job training (OJT)? (Section C1-1)	CCP-QP-002 S. 4.3.2	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
250	Does the documented training program ensure that the radiography operators are instructed in the specific waste generating practices and typical packaging configurations expected to be found in each waste stream at the site? (Section C1-1)	CCP-QP-002 S. 4.1 & 4.2	Y	Training and qualification records for 4 RTR operators **RTR-2)**	Y	
251	Does the documented training program ensure that the OJT and apprenticeship are conducted by an experienced, qualified radiography operator prior to qualification of the candidate? (Section C1-1)	CCP-QP-002 S. 4.3.2[A.1]	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
252	Is the documented training program site specific? (Section C1-1)	CCP-QP-002 S. 3.5.5, 4.1, 4.3.2 Att. 1	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
262	Does the documented training program ensure that a training drum with various container sizes is scanned by each operator on a semiannual basis? Is the videotape reviewed by a supervisor to ensure that operator's interpretations remain consistent and accurate? (Section C1-1)	CCP-QP-002 S. 4.3.2 [C.3] & [C.4] CCP-TP-028 (All)	Y	Training and qualification records for 4 RTR operators **(RTR-2)**	Y	
263	Do site procedures ensure that the site prepares Testing Batch Data Reports or equivalent which includes all data pertaining to radiography for up to 20 waste containers without regard to waste matrix? (Section C3-4)	CCP-TP-053 S. 4.9.1	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
	QUALITY ASSURANCE					
265	Does the documented training program ensure that the imaging system characteristics are verified on a routine basis? (Section C1-1)	CCP-TP-053 S. 4.3	Y	Training and qualification records for 4 RTR operators **(RTR-2)** SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				SRLBR0094 SRLBR0110 **(RTR-1)**		
266	Do procedures ensure that independent replicate scans and replicate observations of the video output of the radiography process are performed under uniform conditions and procedures? Are independent replicate scans performed on one waste container per day or per testing batch of 20 samples, whichever is less frequent, by a qualified radiography operator that was not involved in the original scan of the water container? Are independent observations of one scan (not the replicate scan) performed once per day or per testing batch, whichever is less frequent, by a qualified radiography operator that was not involved in the original scan of the waste container? (Section C1-1)	CCP-TP-053 S. 4.5, 4.6 & 4.9.1	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
267	Do procedures ensure that oversight functions include periodic audio/video media reviews of accepted waste containers, are performed by qualified radiography operators that were not involved in the original scans of the waste containers? (Section C1-1)	CCP-TP-053 S. 4.5 & 4.6	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
268	Is the site project manager responsible for monitoring the quality of the radiography data and calling for corrective action, when necessary? (Section C1-1)	CCP-TP-001 S. 4.2 Att. 2	Y	SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 (**GEN-5)**	Y	
	DATA VALIDATION, REVIEW, VERIFICATION AND REPORTING					
277	Do procedures ensure that all applicable data generation review verification and validation activities specified in C3-4 are followed, including all signatory releases? (Section C3-4)	CCP-TP-053 S. 4.10 Att. 3	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	
278	Do procedures ensure that radiography tapes have been reviewed at a frequency of one waste container per day or once per testing batch, whichever is less	CCP-TP-053 S. 4.6	Y	SR4RTR0275 SR4RTR0301	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	frequent, to ensure data are correct and completed? (Section C1-1)			SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**		
279	Do procedures ensure that all applicable project-level signatory releases and DQOs (Section C3-3) as specified in the WAP are performed? (Section C3-4b)	CCP-TP-001 S. 4.2 Att. 2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)**	Y	
282	At the data generation level, do procedures ensure that all electronic and video data stored appropriately to ensure that waste container, sample, and associated QA data are readily retrievable? Are radiography tapes reviewed, at a frequency of one waste container per day or once per testing batch, whichever is less frequent, against the data reported on the radiography form? (Section C3-4a, C3-4a(1))	CCP-TP-053 S. 4.6 & 5.0	Y	SR4RTR0275 SR4RTR0301 SR4RTR0318 SR4RTR0327 SR4RTR0356 SRLBR0074 SRLBR0094 SRLBR0110 **(RTR-1)**	Y	

	WAP Requirement[1] SRS/CCP Audit A-14-04 Table C6-3 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
283	At the project level, do procedures require the Site Project Manager to certify that the radiography data are complete and acceptable based on the videotape review of at least one waste container per testing batch or daily, whichever is less frequent? (Section C3-4b(1))	CCP-TP-001 S. 4.2 Att. 2	Y	SR-W027-773A-HOM WSPF/CIS, lot 1 **(GEN-1)** SR-MD-SOIL, R1, WSPF/CIS, lot 6 **(GEN-2)** SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** Draft SR-RH-SDD.01 **(GEN-4)** SR4RTR0356 SRLBR0087 SRLBR0078 SR4RTR0301 SRLBR0110 SRLBR0088 **(GEN-5)**	Y	

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0275

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	☐ N/A
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	☐ N/A
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	☐ N/A
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	☐ N/A
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	☐ N/A
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	☐ N/A

Comments:

14. All containers match the Waste Stream Description and the Waste Matrix Code.

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Printed Name

Signature

8/14/12 — Date

20

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				**Container(s):** HBL120429, HBL120431, HBL110144, HBL110143, HBL120447, HBL120441, SR57055436, SR523677D, MDL0506566
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs associated with this BDR
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

COPY

CCP RECORDS ORIGINAL
DATE REC'D 12/10/12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301				Examination Date: 5 December 2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			SR57055436
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			HBL120447

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0301 **Examination Date:** 5 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: **None**

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody		10 December 2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0301 ☑ CH ☐ RH Date: 12/5/12

Waste Container ID Numbers	
Replicate Scan:	SR57055436
Independent Observation:	HBL120447
1	HBL120429
2	HBL120431
3	HBL110144
4	HBL110143
5	HBL120447
6	HBL120441
7	SR57055436
8	SR523677D
9	MDL0506566
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name
Signature
12/5/12 — Date

Independent Technical Reviewer:
John Brookshire — Printed Name
John Brookshire — Signature
12/6/12 — Date

CCP RECORDS ORIGINAL
DATE REC'D 12-10-12

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0301 Date: 12/5/12

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	37

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report. Following behind the ITR Checklist the Operator Aid #156 excel spreadsheets have been paginated and placed in this BDR for reference to the containers processed in this BDR.

Steve Redmond — RTR Operator

Signature

12/5/12 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0301		
Examination Date: 12/5/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond / Printed Name	Signature	12/5/12 / Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR57055436
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 43.0 kg Tare Wt.: 33.4 kg Net Wt.: 9.6 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☐ No ☒ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

4

CCP Radiography Data Sheet

Waste Container ID: SR57055436

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI: Absorbent
C: Coveralls
R:
XPM: Plastic bags, absorbent pads
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	0.9
Rubber (R):	
Plastics (waste materials) (XPM):	8.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.6

5

CCP Radiography Data Sheet

Waste Container ID: SR57055436

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator.
BwG
12-5-12

RTR Operator:

Byron Gelderman		12/5/2012
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120447
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☐ No ☒ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☐ No ☒ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

7

CCP Radiography Data Sheet

Waste Container ID: HBL120447

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

8

CCP Radiography Data Sheet

Waste Container ID: HBL120447

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independant Observation agrees with the original operator.
BWG
12-5-12

RTR Operator:

Byron Gelderman		12/5/2012
Print Name	Signature	Date

9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120429
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

10

CCP Radiography Data Sheet

Waste Container ID: HBL120429

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

11

CCP Radiography Data Sheet

Waste Container ID: HBL120429

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120431
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 145.0 kg Tare Wt.: 142.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

13

CCP Radiography Data Sheet

Waste Container ID: HBL120431

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	101.3
Plastics (PP):	6.4
Other:	35.2
Total Packaging Weight	142.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120431

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	
RTR Operator: Steve Redmond (Print Name) — Signature — 12/5/2012 (Date)	

15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL110144
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

16

CCP Radiography Data Sheet

Waste Container ID: HBL110144

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

17

CCP Radiography Data Sheet

Waste Container ID: HBL110144

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

18

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL110143
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 145.0 kg Tare Wt.: 142.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

19

CCP Radiography Data Sheet

Waste Container ID: HBL110143

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	101.3
Plastics (PP):	6.4
Other:	35.2
Total Packaging Weight	142.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

20

CCP Radiography Data Sheet

Waste Container ID: HBL110143

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120447
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

22

CCP Radiography Data Sheet

Waste Container ID: HBL120447

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

23

CCP Radiography Data Sheet

Waste Container ID: HBL120447

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

24

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	HBL120441
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

25

CCP Radiography Data Sheet

Waste Container ID: HBL120441

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Metal cans
AM:
OM: Plutonium oxide material
OI: Blended material
C:
R:
XPM: Plastic bag
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

26

CCP Radiography Data Sheet

Waste Container ID: HBL120441

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR57055436
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 43.0 kg Tare Wt.: 33.4 kg Net Wt.: 9.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	35 %

28

CCP Radiography Data Sheet

Waste Container ID: SR57055436

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI: Absorbent
C: Laundry bag
R:
XPM: Plastic bags, plastic sleeving, absorbent towels
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.2
Cellulosics (C):	0.5
Rubber (R):	
Plastics (waste materials) (XPM):	8.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.6

29

CCP Radiography Data Sheet

Waste Container ID: SR57055436

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	SR523677D
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 39.0 kg Tare Wt.: 27.7 kg Net Wt.: 11.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

31

CCP Radiography Data Sheet

Waste Container ID: SR523677D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal fittings, scrap metal, floor sweepings, electrical device
AM:	
OM:	
OI:	Broken glass, absorbent, glass ware
C:	
R:	Rubber gloves
XPM:	Open plastic buckets, plastic tubing, plastic bags, absorbent towels, plastic caps, plastic containers, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	11.3

32

CCP Radiography Data Sheet

Waste Container ID: SR523677D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

33

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0301
Examination Date:	12/5/2012
Waste Container ID:	MDL0506566
Video/Audio Recorded Media Number:	SR4RTR0301 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SQ211
Waste Matrix Code:	S4200
Waste Stream I.D.:	SR-MD-SOIL
Waste Container Weights:	Gross Wt.: 280.0 kg Tare Wt.: 26.9 kg Net Wt.: 253.1 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

Waste Container ID: MDL0506566

Section 3: Container Inventory and Comments (Detailed descriptions)
IM: Scrap metal, metal pipe
AM:
OM:
OI:
C:
R:
XPM: Plastic bags
OR:
IN:
S: Soil

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	26.9
Plastics (PP):	
Other:	
Total Packaging Weight	26.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	246.1
Total WMP Weight:	253.1

35

CCP Radiography Data Sheet

Waste Container ID: MDL0506566

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Steve Redmond		12/5/2012
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0301

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☑ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☑ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0301

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A MS 12/6/12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	12/6/12
Printed Name	Signature	Date

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120447 IO

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL3 20429

Gross Weight (kg) 144
Tare Weight (kg) 141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

94

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120431

Gross Weight (kg) 145
Tare Weight (kg) 142.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.4	73.9	6.4	35.2	142.9	145.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

17

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid #	156	Gross Weight (kg)	146
Container ID	HB1110144	Tare Weight (kg)	143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

24

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL110143

Gross Weight (kg) 145
Tare Weight (kg) 142.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.4	73.9	6.4	35.2	142.9	145.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

43

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120447

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

44

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

perator Aid #	156	Gross Weight (kg)	144
ontainer ID	RBLS20444	Tare Weight (kg)	141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

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DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0318 **Examination Date:** 2/14-2/20/2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: FCAN06036 HBL120015 HBL120017 HBL120021 HBL120253 HBL120262 HBL120368 HBL120389 HBL120456 SR51782002 SR528588A SWD12180 SWD12226 SWD12228 SWD12254 SWD12255
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-0260-13 for SR46026ZA NCR-SRS-0261-13 VOIDED
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 3/7/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0318	Examination Date: 2/14-2/20/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			Except SR46026ZA
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			Except SR46026ZA
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0318 **Examination Date:** 2/14-2/20/2013

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: None				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name	Signature	Date
Beverly S. Schrock	BSSchrock	March 7, 2013

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0318 ☑ CH ☐ RH Date: 2/20/13

Waste Container ID Numbers	
Replicate Scan:	SWD12226
Independent Observation:	FCAN06036
1	HBL120389
2	HBL120456
3	SWD12180
4	HBL120021
5	HBL120253
6	HBL120017
7	HBL120015
8	HBL120262
9	HBL120368
10	SR528588A
11	SR51782002
12	SR46026ZA
13	FCAN06036
14	SWD12226
15	SWD12254
16	SWD12228
17	SWD12255
18	N/A
19	N/A
20	N/A

RTR Operator: Steve Redmond — Printed Name | Signature | 2/20/13 Date

Independent Technical Reviewer: Sue Bradley — Printed Name | Signature | 2/28/13 Date

NTPC RECORDS ORIGINAL
DATE REC'D 03-04-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0318 Date: 2/20/13

Table Of Contents

Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	61
6	CCP Independent Technical Reviewer Checklist	67

Batch Narrative

All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

Following behind the ITR Checklist the Operator Aid #156 excel spreadsheets has been paginated and placed in this BDR for reference to the containers processed in this BDR.

Steve Redmond — 2/20/13

RTR Operator | Signature | Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0318		
Examination Date: 2/14/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 11 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: John Brookshire (Printed Name)	John Brookshire (Signature)	2/14/13 (Date)

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0318		
Examination Date: 2/19/13		
Control Checks		
Video/Audio Recorded Media System Check	☑SAT	☐UNSAT
Image Test : 13 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑SAT	☐UNSAT
Comments: N/A		
RTR Operator: John Brookshire / John Brookshire / 2/19/13 Printed Name / Signature / Date		

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0318		
Examination Date: 2/20/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 10 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Steve Redmond		2/20/13
Printed Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	SWD12226
Video/Audio Recorded Media Number:	SR4RTR0318 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 324.0 kg Tare Wt.: 290.0 kg Net Wt.: 34.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

4

CCP Radiography Data Sheet

Waste Container ID: SWD12226

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal filter housing, hand tool, metal framed filter, filter debris
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic sheeting, plastic flex duct, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	17.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	16.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	34.0

5

CCP Radiography Data Sheet

Waste Container ID: SWD12226

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan is in agreement with the original operator's scan. JWB 2/20/13

RTR Operator:

John Brookshire	John Brookshire	2/20/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	FCAN06036
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-SRS-0261-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 227
Waste Matrix Code:	S3120
Waste Stream I.D.:	SR-SDD-HOM-B
Waste Container Weights:	Gross Wt.: 878.0 kg Tare Wt.: 290.0 kg Net Wt.: 588.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

7

CCP Radiography Data Sheet

Waste Container ID: FCAN06036

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drums - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic bags, plastic sheeting, plastic containers, absorbent pads

OR:

IN: Absorbed sludge

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	110.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	472.5
Soils (S):	
Total WMP Weight:	588.0

8

CCP Radiography Data Sheet

Waste Container ID: FCAN06036

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	~~☒ Yes~~ ☒ No JMS 2/28/13
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0261-13 JMS 2/28/13

This Independent Observation is in agreement with the original operator's scan. JMS 2/28/13

After further review of CCP-AK-SRS-13 Rev.2, This packaging configuration is determined to be acceptable. The NCR issued for this condition has been voided. JMS 2/28/13

RTR Operator:

John Brookshire	John Brookshire	2/20/2013
Print Name	Signature John Brookshire	Date 2/28/13

9

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120389
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt.: 74.0 kg Tare Wt.: 27.7 kg Net Wt.: 46.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

10

CCP Radiography Data Sheet

Waste Container ID: HBL120389

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal
AM:	
OM:	
OI:	Absorbent, light bulbs, broken glass
C:	
R:	Rubber gloves
XPM:	Plastic bags, pieces of plastic, plastic sheeting, absorbent pads
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	18.5
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	25.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	46.3

11

CCP Radiography Data Sheet

Waste Container ID: HBL120389

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120456
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221H-HET-C
Waste Container Weights:	Gross Wt.: 58.0 kg Tare Wt.: 27.7 kg Net Wt.: 30.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

13

CCP Radiography Data Sheet

Waste Container ID: HBL120456

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal containers, metal cans, scrap metal
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves, rubber gasket material
XPM:	Plastic bags, plastic sheeting, plastic container, plastic glove ports
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	15.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	4.0
Plastics (waste materials) (XPM):	11.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	30.3

14

CCP Radiography Data Sheet

Waste Container ID: HBL120456

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: John Brookshire (Print Name) / John Brookshire (Signature) / 2/14/2013 (Date)	

15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	SWD12180
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR ~~125~~ 225 Jan 3/2013
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 37.0 kg Tare Wt.: 33.4 kg Net Wt.: 3.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [ ] No [X] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	40 %

16

CCP Radiography Data Sheet

Waste Container ID: SWD12180

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Filter debris, scrap metal
AM:	
OM:	
OI:	
C:	Filters, coveralls, filter media
R:	
XPM:	Plastic bags, plastic cap, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	2.0
Other: Fiberboard (CP)	3.7
Total Packaging Weight	33.4
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.2
Rubber (R):	
Plastics (waste materials) (XPM):	1.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	3.6

17

CCP Radiography Data Sheet

Waste Container ID: SWD12180

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

18

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120021
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 142.0 kg Tare Wt.: 139.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

19

CCP Radiography Data Sheet

Waste Container ID: HBL120021

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans

AM:

OM: Plutonium oxide material

OI: Blended material

C:

R:

XPM: Plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	99.2
Plastics (PP):	6.3
Other:	34.4
Total Packaging Weight	139.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

20

CCP Radiography Data Sheet

Waste Container ID: HBL120021

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120253
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

22

CCP Radiography Data Sheet

Waste Container ID: HBL120253

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120253

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120017
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

25

CCP Radiography Data Sheet

Waste Container ID: HBL120017

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

26

CCP Radiography Data Sheet

Waste Container ID: HBL120017

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

27

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120015
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 144.0 kg Tare Wt.: 141.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

28

CCP Radiography Data Sheet

Waste Container ID: HBL120015

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	100.6
Plastics (PP):	6.4
Other:	34.9
Total Packaging Weight	141.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

CCP Radiography Data Sheet

Waste Container ID: HBL120015

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120262
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

31

CCP Radiography Data Sheet

Waste Container ID: HBL120262

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

32

CCP Radiography Data Sheet

Waste Container ID: HBL120262

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

33

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/14/2013
Waste Container ID:	HBL120368
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 125
Waste Matrix Code:	S5100
Waste Stream I.D.:	SR-221H-PuOx
Waste Container Weights:	Gross Wt.: 146.0 kg Tare Wt.: 143.9 kg Net Wt.: 2.1 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [ ] No [X] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [ ] No [X] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	35 %

34

CCP Radiography Data Sheet

Waste Container ID: HBL120368

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans
AM:	
OM:	Plutonium oxide material
OI:	Blended material
C:	
R:	
XPM:	Plastic bag
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	102.0
Plastics (PP):	6.5
Other:	35.4
Total Packaging Weight	143.9
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.2
Other Inorganic Materials (OI)	1.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	2.1

35

CCP Radiography Data Sheet

Waste Container ID: HBL120368

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/14/2013
Print Name	Signature	Date

36

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/19/2013
Waste Container ID:	SR528588A
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 515.0 kg Tare Wt.: 290.0 kg Net Wt.: 225.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

37

CCP Radiography Data Sheet

Waste Container ID: SR528588A

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Cable chokers, metal box - open, metal container, scrap metal, metal lid
AM:	
OM:	
OI:	Absorbent
C:	Tape, wood
R:	Rubber gloves
XPM:	Plastic sheeting, nylon chokers, plastic bags, nylon rope, pieces of plastic
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	152.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.8
Cellulosics (C):	48.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	22.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	225.0

38

CCP Radiography Data Sheet

Waste Container ID: SR528588A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/19/2013
Print Name	Signature	Date

39 m
39 220

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/19/2013
Waste Container ID:	SR51782002
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-Pre86-C
Waste Container Weights:	Gross Wt.: 403.0 kg Tare Wt.: 290.0 kg Net Wt.: 113.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

40

CCP Radiography Data Sheet

Waste Container ID: SR51782002

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal
AM:	
OM:	
OI:	Absorbent
C:	Coveralls, tape, mop heads
R:	Rubber gloves
XPM:	Plastic bags, nylon chokers, plastic sheeting, air hose and fittings, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.2
Cellulosics (C):	6.4
Rubber (R):	2.6
Plastics (waste materials) (XPM):	102.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	113.0

CCP Radiography Data Sheet

Waste Container ID: SR51782002

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	2/19/2013
Print Name	Signature	Date

42

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/19/2013
Waste Container ID:	SR46026ZA
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0260-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-MD-PAD1
Waste Container Weights:	Gross Wt.: 418.0 kg Tare Wt.: 290.0 kg Net Wt.: 128.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

43

CCP Radiography Data Sheet

Waste Container ID: SR46026ZA

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Press - with fluid, hand tools, scissors at 32", cable chokers
AM:	
OM:	
OI:	
C:	Tape
R:	Rubber hose, rubber gloves
XPM:	Plastic sheeting, plastic bags, air hose and fittings, plastic suits, nylon chokers, nylon rope
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	74.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.6
Rubber (R):	4.0
Plastics (waste materials) (XPM):	48.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	128.0

CCP Radiography Data Sheet

Waste Container ID: SR46026ZA

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[X] Yes [X] ~~No~~ JM 2/28/13
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[X] Yes [ ] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: NCR-SRS-0260-13	

RTR Operator:

John Brookshire	John Brookshire	2/19/2013
Print Name	Signature John Brookshire	Date 2/28/13

45

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	FCAN06036
Video/Audio Recorded Media Number:	SR4RTR0318 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0261-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR227
Waste Matrix Code:	S3120
Waste Stream I.D.:	SR-SDD-HOM-B
Waste Container Weights:	Gross Wt.: 878.0 kg Tare Wt.: 290.0 kg Net Wt.: 588.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

46

CCP Radiography Data Sheet

Waste Container ID: FCAN06036

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Vented metal drums
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic bags, plastic sheeting, plastic containers, absorbent towels
OR:	
IN:	Absorbed sludge
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	111.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	472.0
Soils (S):	
Total WMP Weight:	588.0

47

CCP Radiography Data Sheet

Waste Container ID: FCAN06036

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	~~☒ Yes~~ ☒ No mm 2-28-13
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments:NCR-SRS-0261-13 After Further Review of ~~The AK~~ mm 2-28-13 CCP-AK-SRS-13 Rev. 2 This Packaging mm 2-28-13 Configuration is Determined To be Acceptable. The NCR issued For This condition has been voided. mm 2-28-13.

RTR Operator:

Steve Redmond		2/20/2013
Print Name	Signature	Date 2-28-13

48

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	SWD12226
Video/Audio Recorded Media Number:	SR4RTR0318 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 324.0 kg Tare Wt.: 290.0 kg Net Wt.: 34.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	45 %

49

CCP Radiography Data Sheet

Waste Container ID: SWD12226

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Hand tool, metal filter housing, metal framed filter, filter debris, metal ducting
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic sheeting, plastic flex duct, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	17.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	17.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	34.0

50

CCP Radiography Data Sheet

Waste Container ID: SWD12226

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Steve Redmond		2/20/2013
Print Name	Signature	Date

51

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	SWD12254
Video/Audio Recorded Media Number:	SR4RTR0318 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 361.0 kg Tare Wt.: 290.0 kg Net Wt.: 71.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

52

CCP Radiography Data Sheet

Waste Container ID: SWD12254

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Vented metal drums
AM:	
OM:	
OI:	Absorbent
C:	Fiberboard drum liner
R:	Rubber gloves
XPM:	Plastic bags, absorbent towels, plastic sheeting, piece of plastic, plastic drum liner
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	56.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.2
Cellulosics (C):	3.7
Rubber (R):	1.3
Plastics (waste materials) (XPM):	9.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	71.0

53

CCP Radiography Data Sheet

Waste Container ID: SWD12254

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		2/20/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	SWD12228
Video/Audio Recorded Media Number:	SR4RTR0318 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 367.0 kg Tare Wt.: 290.0 kg Net Wt.: 77.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

55

CCP Radiography Data Sheet

Waste Container ID: SWD12228

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal ~~filter~~ filter housing
AM:	
OM:	
OI:	
C:	Wood framed filters
R:	Rubber gloves
XPM:	Plastic sheeting, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	30.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	32.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	77.0

56

CCP Radiography Data Sheet

Waste Container ID: SWD12228

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	
RTR Operator: Steve Redmond (Print Name) — Signature — 2/20/2013 (Date 2-27-13)	

57

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0318
Examination Date:	2/20/2013
Waste Container ID:	SWD12255
Video/Audio Recorded Media Number:	SR4RTR0318 C&D
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR225
Waste Matrix Code:	SR5400
Waste Stream I.D.:	SR-SWMF-HET-A
Waste Container Weights:	Gross Wt.: 364.0 kg Tare Wt.: 290.0 kg Net Wt.: 74.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

58

CCP Radiography Data Sheet

Waste Container ID: SWD12255

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Vented metal drums, hand tool
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, absorbent towels, plastic drum liners
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	56.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	16.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	74.0

59

CCP Radiography Data Sheet

Waste Container ID: SWD12255

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		2/20/2013
Print Name	Signature	Date

60

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0260-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0318
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
N/A	N/A	SR46026ZA
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag

☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-053, Rev. 12, Table 1. Prohibited Items **LIST OF PROHIBITED ITEMS** states in part PCB liquids.

7c. Actual Condition:

500 mls of observable liquid in a metal press at 32" which is an indication of a PCB identified container.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ **YES** ☐ **NO (If no is checked, explain:)**

8. NCR Originator:

John Brookshire (printed name) — John Brookshire (signature) — 2/19/13 (date)

9. Does the identified condition have the potential to impact AK? ☐ **YES** ☒ **NO** ☐ **INDETERMINATE**
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager:
Georgia N. Kareis

12. Significant Condition?
☐ **YES** ☒ **NO** **(If Yes, enter CAR No.:)**

13. Recurring Condition?
☐ **YES** ☒ **NO (If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Byron Gelderman (printed name) — (signature) — 2-20-13 (date)

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0260-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

62

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0260-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kalis	Georgia N. Kalis	2/20/13	Byron Gelderman		2-20-13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

COPY

63

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0261-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (If applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0318
4. Order/Work Order/Job Control Number (If applicable): N/A	5. PO # (If applicable): N/A	Container #(s): FCAN06038
	6. Supplier (If applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter implementing Procedure No., Revision, Section No., & Quoted Text): Per CCP-TP-053 Rev. 12, section 4.4.2 [H.2] IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition: Container does not match the Waste Stream Description for waste packaging due to drums being packaged into a Standard Waste Box.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO (If no is checked, explain:)

VOID 2-27-13

8. NCR Originator:

Steve Redmond (printed name) _____ (signature) 2/20/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☒ YES ☐ NO ☐ INDETERMINATE

10. Trend Code: L	11. Responsible Manager: Beverly Schrock
12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)	13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

Steve Muse (printed name) _____ (signature) 2/21/13 (date)

NTPC RECORDS ORIGINAL
DATE REC'D 02-27-13

63A

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0261-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			16b. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis for Beverly Schrock		2/21/13	Steve Muse		2/21/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

638

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0261-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

63C

Attachment 2 – CCP Nonconformance Report (NCR) Continuation Sheet

NCR No. NCR-SRS-0261-13	Revision 0	Attachment #1	Page 1 of 1

Continuation from Section Number: 7c. Actual Condition

After further review of CCP-AK-SRS-13 this container is acceptable for the packaging configuration.

NCR Originator: Steve Redmond 2-27-13

SPM: Beverly Schrock BSSchrock 2/28/13

Responsible Manager: Beverly Schrock BSSchrock 2/28/13

CCP QA Engineer or CCP QA Designee: Steve Muse 2/27/13

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0261-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SR4RTR0318
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s):
N/A	N/A	FCAN06036
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): Per CCP-TP-053 Rev. 12, section 4.4.2 [H.2] **IF** the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code, **THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition: Container does not match the Waste Stream Description for waste packaging due to drums being packaged into a Standard Waste Box.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO **(If no is checked, explain:)**

2/20/13

8. NCR Originator:

Steve Redmond _____ 2/20/13

printed name signature date

9. Does the identified condition have the potential to impact AK? ☒ YES ☐ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: L

11. Responsible Manager: Beverly Schrock

12. Significant Condition? ☐ YES ☒ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☒ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

Steve Muse _____ 2/21/13

printed name signature date

64

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0261-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☒ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

1. Responsible Manager send this NCR to the AK Expert for re-evaluation in accordance with CCP-TP-005.

2. AK Expert perform the AK re-evaluation and include a copy of documented results as an attachment to this NCR.

3. SPM determine Final Disposition (block 19) based on the results of the AK Expert for re-evaluation.

JHS 2/28/13

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			16b. CCP QA Engineer or CCP QA Designee:		
Georgia N. Karelis for Beverly Schrock	GNKarelis	2/21/13	Steve Muse		2/21/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0261-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

MC 2/28/13

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

66

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0318

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0318

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: Question 14: NCR was cancelled as container FCAN06036. All containers match waste stream description and Waste Matrix Code. 2/28/13 SB

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Sue Bradley — Printed Name

Sue Bradley — Signature

2-28-12 — Date

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120021

Gross Weight (kg) 142
Tare Weight (kg) 139.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Liner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	26.9	72.3	6.3	34.4	139.9	142.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120021

Gross Weight (kg) 142
Tare Weight (kg) 139.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	26.9	72.3	6.3	34.4	139.9	142.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120021

Gross Weight (kg) 142
Tare Weight (kg) 139.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	26.9	72.3	6.3	34.4	139.9	142.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

67

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120253

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

72

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120017

Gross Weight (kg) 144
Tare Weight (kg) 141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Liner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

17

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120015

Gross Weight (kg) 144
Tare Weight (kg) 141.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Liner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.2	73.4	6.4	34.9	141.9	144.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

72

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid # 156
Container ID HBL120262

Gross Weight (kg) 146
Tare Weight (kg) 143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

CCP-AK-SRS-21 REV. 1
Waste Stream: SR-221H-PuOx

Operator Aid #	156	Gross Weight (kg)	146
Container ID	HBL120368	Tare Weight (kg)	143.9

Operator Aid 156.xls rev. 0
Addendum N/A
SCO # 1188
Excel 2003/2007/2010 Micorsoft
Windows XP

	WASTE											PACKAGING					TOTAL
	IM	AM	OM	OI	C	R	XPW	OR	IN	S	WASTE TOTAL	55 Gallon Drum (ST)	Pipe Component (ST)	Rigid Linner/Lid (PP)	Dunnage Assembly (C)	PACKAGING TOTAL	
DISTRIBUTION (%)	26.29	0	7.06	61.28	0	0	5.37	0	0	0	100	19.2	51.7	4.5	24.6	100.0	
WEIGHT	0.5	0.0	0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.1	27.6	74.4	6.5	35.4	143.9	146.0

Waste Material Parameter are based on the Weight Percent from CCP-AK-SRS-21 Rev. 1 Table 1 Waste Stream SR-221H-PuOx Waste Material Parameters.
Packaging weight percentages are derived from nominal weights of 12" Standard Pipe Overpack from packaging enginer e-mail on 2-24-2012.

INFORMATION ONLY

DIVIDER PAGE ONLY

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Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	03-13-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0318	RTR BDR	02/20/13	80
SR4RTR0318B	BACKUP RTR DVD	02/14/13	N/A
SR4RTR0318D	BACKUP RTR DVD	02/20/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete Printed Name	4.17.13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4300
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/17 08:00
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	03-13-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0318	RTR BDR	02/20/13	80
SR4RTR0318B	BACKUP RTR DVD	02/14/13	N/A
SR4RTR0318D	BACKUP RTR DVD	02/20/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0327 **Examination Date:** 3/25/13 – 3/27/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers: HBL120568 HBL120569 HBL120570 HBL120571 HBL120572 HBL120573 HBL120574 HBL120575 HBL120576 HBL120577 HBL120578 HBL120579 HBL120580 HBL120581 HBL120582 HBL120583 HBL120585 HBL120588 HBL120590 HBL120591
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**			X	No NCRs
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 4-5-13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0327 **Examination Date:** 3/25/13 – 3/27/13

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			No liquid reported.
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No Discrepancies noted.
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0327 **Examination Date:** 3/25/13 – 3/27/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: None

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Beverly S. Schrock	BSSchrock	April 4, 2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0327 ☑ CH ☐ RH Date: 3/27/13

Waste Container ID Numbers	
Replicate Scan:	HBL120591
Independent Observation:	HBL120588
1	HBL120575
2	HBL120574
3	HBL120579
4	HBL120577
5	HBL120578
6	HBL120573
7	HBL120571
8	HBL120576
9	HBL120580
10	HBL120572
11	HBL120583
12	HBL120582
13	HBL120581
14	HBL120590
15	HBL120570
16	HBL120585
17	HBL120569
18	HBL120568
19	HBL120588
20	HBL120591

RTR Operator: John Brookshire — John Brookshire — 3/27/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Steve Redmond — — 4-2-13
Printed Name — Signature — Date

NTPC RECORDS ORIGINAL
DATE REC'D 04-03-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0327 Date: 3/27/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	70

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

John Brookshire — RTR Operator

John Brookshire — Signature

3/27/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0327		
Examination Date: 3/25/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire	John Brookshire	3/25/13
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0327		
Examination Date: 3/26/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire	John Brookshire	3/26/13
Printed Name	Signature	Date

3A

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0327		
Examination Date: 3/27/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	3/27/13 (Date)

3B

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120591
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 44.0 kg Tare Wt.: 34.1 kg Net Wt.: 9.9 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

4

CCP Radiography Data Sheet

Waste Container ID: HBL120591

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM: Aluminum ladder
OM:
OI:
C:
R:
XPM: Plastic bags
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	6.9
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.9

5

CCP Radiography Data Sheet

Waste Container ID: HBL120591

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator. BWL 3-27-13

RTR Operator:

Byron Gelderman	[signature]	3/27/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120588
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 42.0 kg Tare Wt.: 34.1 kg Net Wt.: 7.9 kg
Rigid Liner and Liner Vent Description:	Liner: ☐ No ☒ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☒ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☒ Yes ☐ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

CCP Radiography Data Sheet

Waste Container ID: HBL120588

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM: Aluminum ladder
OM:
OI:
C:
R:
XPM: Plastic bags
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	5.4
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.9

8

CCP Radiography Data Sheet

Waste Container ID: HBL120588

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent Observation agrees with the original operator, BWG 3-27-13

RTR Operator:

Byron Gelderman		3/27/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120575
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 48.0 kg Tare Wt.: 34.1 kg Net Wt.: 13.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

10

CCP Radiography Data Sheet

Waste Container ID: HBL120575

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	2.4
Plastics (waste materials) (XPM):	11.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	13.9

CCP Radiography Data Sheet

Waste Container ID: HBL120575

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120574
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 55.0 kg Tare Wt.: 34.1 kg Net Wt.: 20.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

13

CCP Radiography Data Sheet

Waste Container ID: HBL120574

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal
AM:	
OM:	
OI:	
C:	
R:	Rubber shoe covers
XPM:	Plastic bags, air hose and fittings, plastic sheeting, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	2.0
Plastics (waste materials) (XPM):	18.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	20.9

14

CCP Radiography Data Sheet

Waste Container ID: HBL120574

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

15

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120579
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 50.0 kg Tare Wt.: 34.1 kg Net Wt.: 15.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

Waste Container ID: HBL120579

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Saw blade at 18"
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	2.4
Plastics (waste materials) (XPM):	13.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.9

CCP Radiography Data Sheet

Waste Container ID: HBL120579

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

18

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120577
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 56.0 kg Tare Wt.: 34.1 kg Net Wt.: 21.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

19

CCP Radiography Data Sheet

Waste Container ID: HBL120577

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	2.5
Plastics (waste materials) (XPM):	19.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	21.9

20

CCP Radiography Data Sheet

Waste Container ID: HBL120577

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120578
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 47.0 kg Tare Wt.: 34.1 kg Net Wt.: 12.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

CCP Radiography Data Sheet

Waste Container ID: HBL120578

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Coveralls
R:	Rubber shoe covers, rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.8
Rubber (R):	2.0
Plastics (waste materials) (XPM):	9.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.9

CCP Radiography Data Sheet

Waste Container ID: HBL120578

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120573
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 57.0 kg Tare Wt.: 34.1 kg Net Wt.: 22.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

25

CCP Radiography Data Sheet

Waste Container ID: HBL120573

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	Wood
R:	
XPM:	Plastic bags, plastic suits, air hose and fittings, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	8.5
Rubber (R):	
Plastics (waste materials) (XPM):	14.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.9

CCP Radiography Data Sheet

Waste Container ID: HBL120573

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

27

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120571
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 65.0 kg Tare Wt.: 34.1 kg Net Wt.: 30.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

28

CCP Radiography Data Sheet

Waste Container ID: HBL120571

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI:

C: Wood

R:

XPM: Plastic bags, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Celiulosics (C):	22.0
Rubber (R):	
Plastics (waste materials) (XPM):	8.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	30.9

CCP Radiography Data Sheet

Waste Container ID: HBL120571

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120576
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 49.0 kg Tare Wt.: 34.1 kg Net Wt.: 14.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

31

CCP Radiography Data Sheet

Waste Container ID: HBL120576

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Coveralls
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	0.6
Plastics (waste materials) (XPM):	13.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.9

CCP Radiography Data Sheet

Waste Container ID: HBL120576

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120580
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 49.0 kg Tare Wt.: 34.1 kg Net Wt.: 14.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

34

CCP Radiography Data Sheet

Waste Container ID: HBL120580

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	0.6
Plastics (waste materials) (XPM):	14.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	14.9

CCP Radiography Data Sheet

Waste Container ID: HBL120580

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/25/2013
Waste Container ID:	HBL120572
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 61.0 kg Tare Wt.: 34.1 kg Net Wt.: 26.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

37

CCP Radiography Data Sheet

Waste Container ID: HBL120572

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI:

C: Wood

R:

XPM: Plastic bags, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	17.5
Rubber (R):	
Plastics (waste materials) (XPM):	9.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	26.9

CCP Radiography Data Sheet

Waste Container ID: HBL120572

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/25/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/26/2013
Waste Container ID:	HBL120583
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 76.0 kg Tare Wt.: 34.1 kg Net Wt.: 41.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

40

CCP Radiography Data Sheet

Waste Container ID: HBL120583

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Wood
R:	Rubber gloves
XPM:	Plastic bags, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	30.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	10.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	41.9

41

CCP Radiography Data Sheet

Waste Container ID: HBL120583

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

42

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/26/2013
Waste Container ID:	HBL120582
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 57.0 kg Tare Wt.: 34.1 kg Net Wt.: 22.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

43

CCP Radiography Data Sheet

Waste Container ID: HBL120582

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Coveralls
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	19.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	22.9

CCP Radiography Data Sheet

Waste Container ID: HBL120582

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block..except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

45

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/26/2013
Waste Container ID:	HBL120581
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 63.0 kg Tare Wt.: 34.1 kg Net Wt.: 28.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

46

CCP Radiography Data Sheet

Waste Container ID: HBL120581

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	
R:	Rubber shoe covers, rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	6.3
Plastics (waste materials) (XPM):	22.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	28.9

CCP Radiography Data Sheet

Waste Container ID: HBL120581

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/26/2013
Waste Container ID:	HBL120590
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 40.0 kg Tare Wt.: 34.1 kg Net Wt.: 5.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

CCP Radiography Data Sheet

Waste Container ID: HBL120590

Section 3: Container Inventory and Comments (Detailed descriptions)

IM:

AM: Aluminum JBS 3/26/13 ~~Metal~~ step ladder

OM:

OI:

C:

R:

XPM: Plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	4.8
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	5.9

50

CCP Radiography Data Sheet

Waste Container ID: HBL120590

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 3/26/13 After further review, the metal step ladder called out on the video is actually an Aluminum step ladder. The correct changes are reflected on the Data Sheets. JMB 3/26/13

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0327	
Examination Date:	3/26/2013	
Waste Container ID:	HBL120570	
Video/Audio Recorded Media Number:	SR4RTR0327	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 63.0 kg Tare Wt.: 34.1 kg Net Wt.: 28.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

52

CCP Radiography Data Sheet

Waste Container ID: HBL120570

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Wood
R:	
XPM:	Plastic bags, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	22.8
Rubber (R):	
Plastics (waste materials) (XPM):	6.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	28.9

CCP Radiography Data Sheet

Waste Container ID: HBL120570

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/26/2013
Waste Container ID:	HBL120585
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 63.0 kg Tare Wt.: 34.1 kg Net Wt.: 28.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

55

CCP Radiography Data Sheet

Waste Container ID: HBL120585

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI:
C: Wood
R:
XPM: Plastic bags, plastic sheeting
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	22.5
Rubber (R):	
Plastics (waste materials) (XPM):	6.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	28.9

CCP Radiography Data Sheet

Waste Container ID: HBL120585

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/26/2013
Print Name	Signature	Date

57

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120569
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 61.0 kg Tare Wt.: 34.1 kg Net Wt.: 26.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

58

CCP Radiography Data Sheet

Waste Container ID: HBL120569

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	Wood
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, plastic suits, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	16.0
Rubber (R):	0.5
Plastics (waste materials) (XPM):	10.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	26.9

CCP Radiography Data Sheet

Waste Container ID: HBL120569

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/27/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120568
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 66.0 kg Tare Wt.: 34.1 kg Net Wt.: 31.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

61

CCP Radiography Data Sheet

Waste Container ID: HBL120568

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Wood
R:	
XPM:	Plastic bags, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	24.0
Rubber (R):	
Plastics (waste materials) (XPM):	7.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.9

62

CCP Radiography Data Sheet

Waste Container ID: HBL120568

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/27/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120588
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 42.0 kg Tare Wt.: 34.1 kg Net Wt.: 7.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

64

CCP Radiography Data Sheet

Waste Container ID: HBL120588

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	Aluminum step ladder
OM:	
OI:	
C:	
R:	
XPM:	Plastic bags, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	5.9
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	7.9

CCP Radiography Data Sheet

Waste Container ID: HBL120588

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	3/27/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0327
Examination Date:	3/27/2013
Waste Container ID:	HBL120591
Video/Audio Recorded Media Number:	SR4RTR0327 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 219
Waste Matrix Code:	S5410
Waste Stream I.D.:	SR-W027-221H-HEPA
Waste Container Weights:	Gross Wt.: 44.0 kg Tare Wt.: 34.1 kg Net Wt.: 9.9 kg
Rigid Liner and Liner Vent Description:	Liner: [ ] No [X] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [X] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [X] Yes [ ] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

67

CCP Radiography Data Sheet

Waste Container ID: HBL120591

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM: Aluminum step ladders
OM:
OI:
C:
R:
XPM: Plastic bags, plastic sheeting
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	6.4
Other:	
Total Packaging Weight	34.1
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	7.9
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	9.9

CCP Radiography Data Sheet

Waste Container ID: HBL120591

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

John Brookshire	John Brookshire	3/27/2013
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0327

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR0327

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: None 4-2-13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Steve Redmond		4-2-13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-03-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0327B	BACKUP RTR DVD	03/25/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Sheila Pearcy (Signature)	SHEILA PEARCY (Printed Name)	4/10/13 (Date)
Records Rejected [ ]	(Signature)	(Printed Name)	(Date)

Reason for Rejection:

Re-submittal:

(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4067
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/10 18:17
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: CSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-03-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0327B	BACKUP RTR DVD	03/25/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0327	RTR BDR	03/27/13	73
SR4RTR0327A	PRIMARY RTR DVD	03/25/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [X]	[signature]	Austin Peralta	15 4-15-13 4-15-13
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4247
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/15 15:57
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	04-10-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0327	RTR BDR	03/27/13	73
SR4RTR0327A	PRIMARY RTR DVD	03/25/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SR4RTR0356				Examination Date(s): 8/21-22/2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: PAD12TMP1B, PAD12TMP1C, PAD12TMP1D, PAD12TMP1E, PAD12TMP1F, PAD12TMP1G, PAD12TMP1H, WMPSLB054C, WMPSLB054D, WMPSLB054E, WMPSLB054F, WMPSLB054G, SR518667E, SR518667F, SR518667G, SR518667H, SR668976A, SR668976C,
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**	X			NCR-SRS-0180-13 Rework NCR-SRS-0617-13 Use-as-is
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			Except for SR518667G

NTPC RECORDS ORIGINAL
DATE REC'D 9/04/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0356				Examination Date(s): 8/21-22/2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			Except for SR518667G
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**			X	No liquid.
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SR4RTR0356	**Examination Date(s): 8/21-22/2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
Comments: None				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Carolina Soaterna	Carolina Soaterna			9/4/13 9/4/13
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SR4RTR0356 ☑ CH ☐ RH Date: 8/22/13

Waste Container ID Numbers	
Replicate Scan:	SR668976C
Independent Observation:	WMPSLB054G
1	WMPSLB054G
2	WMPSLB054D
3	WMPSLB054E
4	WMPSLB054C
5	SR518667F
6	SR518667H
7	SR518667G
8	SR518667E
9	SR668976A
10	WMPSLB054F
11	SR668976C
12	PAD12TMP1G
13	PAD12TMP1C
14	PAD12TMP1D
15	PAD12TMP1F
16	PAD12TMP1H
17	PAD12TMP1B
18	PAD12TMP1E
19	N/A
20	N/A

RTR Operator: John Brookshire — John Brookshire — 8/22/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Byron Geldermann — 8-29-13
Printed Name — Signature — Date 9-4-13

NTPC RECORDS ORIGINAL
DATE REC'D 08-29-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SR4RTR0356 Date: 8/22/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	64
6	CCP Independent Technical Reviewer Checklist	67

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

John Brookshire — RTR Operator

John Brookshire — Signature

8/22/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0356		
Examination Date: 8/21/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 12 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire	John Brookshire	8/21/13
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SR4RTR0356		
Examination Date: 8/22/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : 13 Lines (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire (Printed Name)	John Brookshire (Signature)	8/22/13 (Date)

3A

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	SR668976C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

4

CCP Radiography Data Sheet

Waste Container ID: SR668976C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal tubing/fittings, metal container, electrical device

AM:

OM:

OI: Absorbent, glassware

C:

R:

XPM: Air hose/fittings, plastic sheeting, plastic bags, plastic containers, plastic tubing, plastic labware

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	10.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

5

CCP Radiography Data Sheet

Waste Container ID: SR668976C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: The Replicate scan agrees with the original operator. GNK 8-22-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/22/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	WMPSLB054G
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 73.0 kg Tare Wt.: 27.7 kg Net Wt.: 45.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum open

AM:

OM:

OI: Cement blocks

C:

R:

XPM: Nylon chokers, air hose/fittings, plastic bag

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	26.3
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	45.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation agrees with the Original scan. GNK 8-22-13

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	8/22/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	WMPSLB054G
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 73.0 kg Tare Wt.: 27.7 kg Net Wt.: 45.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

10

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open, scrap metal

AM:

OM: ~~Lead bricks~~ MS 8/22/13

OI: Absorbent, cement blocks MS 8/22/13

C:

R:

XPM: Nylon chokers, air hose and fittings, plastic sheeting, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	MS 8/22/13 ~~24.0~~
Other Inorganic Materials (OI)	MS 8/22/13 ~~1.8~~ 25.8
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	45.3

11

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JRB 8/22/13

After further review with the Independent Observation operator the material stated on the recording as Lead bricks is in fact cement blocks and the Attachment reflects all changes. JRB 8/22/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 8/22/13

12

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	WMPSLB054D
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 109.0 kg Tare Wt.: 27.7 kg Net Wt.: 81.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

13

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: WMPSLB054D

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open

AM:

OM:

OI:

C:

R:

XPM: Air hose

OR: ~~Sludge~~ 8/29/13

IN: Solidified material 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	~~65.0~~ 8/29/13
Inorganic Matrix (IN):	65.0 8/29/13
Soils (S):	
Total WMP Weight:	81.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMS 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. JMS 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 8/29/13

15

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	WMPSLB054E
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 124.0 kg Tare Wt.: 27.7 kg Net Wt.: 96.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open

AM:

OM:

OI:

C:

R:

XPM: Air hose, plastic bag

OR: ~~Sludge~~ GMB 8/29/13

IN: Solidified material GMB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~79.8~~ GMB 8/29/13
Inorganic Matrix (IN):	79.8 GMB 8/29/13
Soils (S):	
Total WMP Weight:	96.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 8/29/13

18

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	WMPSLB054C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 120.0 kg Tare Wt.: 27.7 kg Net Wt.: 92.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

19

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open

AM:

OM:

OI:

C:

R:

XPM: Air hose, plastic bag

OR: ~~Sludge~~ GAB 8/29/13

IN: Solidified material GAB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~75.8~~ GAB 8/29/13
Inorganic Matrix (IN):	75.8 GAB 8/29/13
Soils (S):	
Total WMP Weight:	92.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 8/29/13

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667F
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 47.0 kg Tare Wt.: 27.7 kg Net Wt.: 19.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

22

CCP Radiography Data Sheet

Waste Container ID: SR518667F

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI: Absorbent

C:

R: Rubber gloves

XPM: Plastic sheeting, plastic bags, air hose and fittings, plastic suits, plastic glove port

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	17.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	19.3

CCP Radiography Data Sheet

Waste Container ID: SR518667F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667H
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0617-13 NCR No.: ~~N/A~~ 9/4/13 NCR-SRS-0180-13 9/4/13

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 53.0 kg Tare Wt.: 27.7 kg Net Wt.: 25.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

25

CCP Radiography Data Sheet

Waste Container ID: SR518667H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - open, scrap metal

AM:

OM:

OI: Absorbent

C: Tape

R: Rubber gloves

XPM: Nylon chokers, plastic sheeting, air hose and fittings, plastic bags, plastic suits, plastic glove ports

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	gms 9/4/13 ~~16.2~~ 16.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	0.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	7.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	gms 9/4/13 ~~25.2~~ 25.3

26

CCP Radiography Data Sheet

Waste Container ID: SR518667H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0617-13

NCR-SRS-0180-13 Weights do not match. Attachment 2, Section 2 has a Net weight of 25.3 and Section 4 has a Net weight of 25.2 Kg. JMB 9/4/13

All corrections have been made per NCR-SRS-0180-13 and the Attachment reflects all changes. JMB 9/4/13

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature John Brookshire	Date 9/4/13

27

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667G
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 43.0 kg Tare Wt.: 27.7 kg Net Wt.: 15.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

28

CCP Radiography Data Sheet

Waste Container ID: SR518667G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal hardware

AM:

OM:

OI: Absorbent

C:

R: Rubber gloves

XPM: Plastic sheeting, plastic bags, air hose and fittings, plastic suits, plastic glove ports

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.4
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	13.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.3

CCP Radiography Data Sheet

Waste Container ID: SR518667G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR518667E
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 58.0 kg Tare Wt.: 27.7 kg Net Wt.: 30.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

31

CCP Radiography Data Sheet

Waste Container ID: SR518667E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal can, metal hardware, scrap metal, metal lid

AM:

OM:

OI: Absorbent

C: Tape

R: Rubber gloves, rubber gasket material

XPM: Plastic bags, plastic sheeting, air hose and fittings, plastic suits, plastic glove ports, pieces of plastic

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.8
Cellulosics (C):	0.4
Rubber (R):	1.5
Plastics (waste materials) (XPM):	25.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	30.3

CCP Radiography Data Sheet

Waste Container ID: SR518667E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: N/A

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

33

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/21/2013
Waste Container ID:	SR668976A
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 39.0 kg Tare Wt.: 27.7 kg Net Wt.: 11.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

34

CCP Radiography Data Sheet

Waste Container ID: SR668976A

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Electrical device
AM:	
OM:	
OI:	Absorbent, glassware
C:	
R:	
XPM:	Air hose, plastic flex duct, plastic bags, electrical cord, plastic containers, plastic tubing, plastic labware, pieces of plastic
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.6
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	8.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	11.3

35

CCP Radiography Data Sheet

Waste Container ID: SR668976A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/21/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	WMPSLB054F
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 53.0 kg Tare Wt.: 27.7 kg Net Wt.: 25.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	60 %

37

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054F

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, metal pipes - open, metal valve
AM:	
OM:	
OI:	Absorbent
C:	Coveralls
R:	Rubber gloves
XPM:	Air hose and fittings, plastic sheeting, plastic containers, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	15.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	1.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	6.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	25.3

38

CCP Radiography Data Sheet

Waste Container ID: WMPSLB054F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	SR668976C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	65 %

40

CCP Radiography Data Sheet

Waste Container ID: SR668976C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal tubing, metal cans, electrical device

AM:

OM:

OI: Glassware, absorbent

C:

R:

XPM: Plastic bags, air hose, plastic sheeting, plastic containers, plastic tubing, electrical cord, plastic labware

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	11.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

41

CCP Radiography Data Sheet

Waste Container ID: SR668976C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1G
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 88.0 kg Tare Wt.: 27.7 kg Net Wt.: 60.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

43

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: PAD12TMP1G

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic bag, plastic sheeting

OR: ~~Sludge~~ GNB 8/29/13

IN: Solidified material GNB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~43.8~~ GNB 8/29/13
Inorganic Matrix (IN):	43.8 GNB 8/29/13
Soils (S):	
Total WMP Weight:	60.3

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1G

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.

JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

45

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1C
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 108.0 kg Tare Wt.: 27.7 kg Net Wt.: 80.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

46

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1C

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ AMB 8/29/13

IN: Solidified material AMB 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~63.8~~ AMB 8/29/13
Inorganic Matrix (IN):	63.8 AMB 8/29/13
Soils (S):	
Total WMP Weight:	80.3

47

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

48

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1D
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 123.0 kg Tare Wt.: 27.7 kg Net Wt.: 95.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1D

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ DWS 8/29/13

IN: Solidified material DWS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~78.8~~ DWS 8/29/13
Inorganic Matrix (IN):	78.8 DWS 8/29/13
Soils (S):	
Total WMP Weight:	95.3

50

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JAB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. 8/29/13 JAB 8/29/13 JAB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

51

CCP Radiography Data Sheet

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0356	
Examination Date:	8/22/2013	
Waste Container ID:	PAD12TMP1F	
Video/Audio Recorded Media Number:	SR4RTR0356	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data		
Container Type:	55 Gallon Drum	
TRUCON Code:	SR 227	
Waste Matrix Code:	S3110	
Waste Stream I.D.:	SR-W027-773A-HOM	
Waste Container Weights:	Gross Wt.: 126.0 kg Tare Wt.: 27.7 kg Net Wt.: 98.3 kg	
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes	
Number of Layers of Confinement:	Appears to be 1 layer	
Volume Utilization Percentage:	90 %	

52

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1F

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ GNS 8/29/13

IN: Solidified material GNS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~81.8~~ GNS 8/29/13
Inorganic Matrix (IN):	81.8 GNS 8/29/13
Soils (S):	
Total WMP Weight:	98.3

53

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: PAD12TMP1F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes. JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

54

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SR4RTR0356
Examination Date:	8/22/2013
Waste Container ID:	PAD12TMP1H
Video/Audio Recorded Media Number:	SR4RTR0356 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 101.0 kg Tare Wt.: 27.7 kg Net Wt.: 73.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

55

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ JMS 8/29/13

IN: Solidified material JMS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~56.8~~ JMS 8/29/13
Inorganic Matrix (IN):	56.8 JMS 8/29/13
Soils (S):	
Total WMP Weight:	73.3

56

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.

JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

57

CCP Radiography Data Sheet

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0356	
Examination Date:	8/22/2013	
Waste Container ID:	PAD12TMP1B	
Video/Audio Recorded Media Number:	SR4RTR0356	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 227
Waste Matrix Code:	S3110
Waste Stream I.D.:	SR-W027-773A-HOM
Waste Container Weights:	Gross Wt.: 95.0 kg Tare Wt.: 27.7 kg Net Wt.: 67.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

58

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1B

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ QMS 8/29/13

IN: Solidified material QMS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~50.8~~ QMS 8/29/13
Inorganic Matrix (IN):	50.8 QMS 8/29/13
Soils (S):	
Total WMP Weight:	67.3

59

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMS 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.
JMS 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

60

CCP Radiography Data Sheet

Section 1: General Information		
[X] RTR Examination	[ ] RTR Replicate Scan	[ ] RTR Independent Observation
Site ID:	SRS	
Batch Number:	SR4RTR0356	
Examination Date:	8/22/2013	
Waste Container ID:	PAD12TMP1E	
Video/Audio Recorded Media Number:	SR4RTR0356	A&B
Procedure and Revision No.:	CCP-TP-053	Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A	

Section 2: Waste Container Data		
Container Type:	55 Gallon Drum	
TRUCON Code:	SR 227	
Waste Matrix Code:	S3110	
Waste Stream I.D.:	SR-W027-773A-HOM	
Waste Container Weights:	Gross Wt.: 128.0 kg Tare Wt.: 27.7 kg Net Wt.: 100.3 kg	
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes	
Number of Layers of Confinement:	Appears to be 1 layer	
Volume Utilization Percentage:	90 %	

61

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum - vented

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting

OR: ~~Sludge~~ JMS 8/29/13

IN: Solidified material JMS 8/29/13

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	~~83.8~~ JMS 8/29/13
Inorganic Matrix (IN):	83.8 JMS 8/29/13
Soils (S):	
Total WMP Weight:	100.3

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP1E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: ~~N/A~~ JMB 8/29/13

After further review with the ITR and LO the material stated on the recording as Sludge is in fact solidified material and the Attachment reflects all changes.

JMB 8/29/13

RTR Operator:

John Brookshire	John Brookshire	8/22/2013
Print Name	Signature John Brookshire	Date 8/29/13

63

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0617-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0356
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR518667G
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev. 13 section 4.4.2 [H.2] states **IF** the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code,**THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number in Section 1 and in the comments block of Attachment 2.

7c. Actual Condition:
This drum contains greater than 20% inorganic waste.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO If no is checked, explain:
USE-AS- IS

8. NCR Originator:
John Brookshire (printed name) — John Brookshire (signature) — 8/21/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: **K**

11. Responsible Manager: **Georgia N. Kareis**

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):

13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:
Byron Gelderman (printed name) — (signature) — 8-22-13 (date)

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

64

COPY

NCR No. NCR-SRS-0617-13 **Revision 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name _____ signature _____ date _____

16b. QA Engineer or QA Designee:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

Additional Approval:

printed name _____ signature _____ date _____

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name _____ signature _____ date _____

18. Interim Disposition Verified – QA Engineer:

printed name _____ signature _____ date _____

COPY

NCR No. NCR-SRS-0617-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☒ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☐ N/A for Reject, Rework, or Scrap]
The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☒ N/A for Use-As-Is]

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

21. QA Engineer or QA Designee:
Byron Gelderman (printed name) (signature) 8-22-13 (date)

Additional Approval:
(printed name) (signature) (date)

Additional Approval:
(printed name) (signature) (date)

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:
Georgia N. Kareis (printed name) Georgia N. Kareis (signature) 8/22/13 (date)

23. Attachments:
NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☑ and explain: Disposition use as is.

25. Final Disposition Verified – NCR Closed QA Engineer:
Steve Kuhl (printed name) (signature) 8/22/13 (date)

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Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 3, if necessary)

NCR No. NCR-SRS-0180-13 **Revision 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, NDE, VE, Other): NDE	3. Batch Data Report #(s): SR4RTR0356
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): SR518667H
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 13 Section 4.4.2 Data Entry [l] Review Attachment 2 for completeness and accuracy.

7c. Actual Condition:
Weights do not match. Attachment 2, Section 2 has a Net weight of 25.3 and Section 4 has a Net weight of 25.2 kg

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☐ NO If no is checked, explain:

8. NCR Originator:
Carolina Soaterna (printed name) — Carolina Soaterna (signature) — 9/4/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: A

11. Responsible Manager: **Joshua Houghton**

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.):

13. Recurring Condition? ☐ YES ☒ NO (If YES, list NCRs and CARs):

14. QA Engineer or QA Designee validation:
T. MUELLER (printed name) — T Mueller (signature) — 9.4.13 (date)

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Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 Revision 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:

printed name signature date

16b. QA Engineer or QA Designee:

printed name signature date

Additional Approval:

printed name signature date

Additional Approval:

printed name signature date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – QA Engineer:

printed name signature date

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Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0180-13 **Revision 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One: Use-As-Is, Repair, Reject, Rework, or Scrap):
☐ Use-As-Is ☐ Repair
19a. Technical Justification – Required for Use-As-Is or Repair dispositions. [☒ N/A for Reject, Rework, or Scrap]

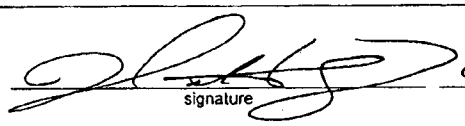
☐ Reject ☒ Rework ☐ Scrap
19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap [☐ N/A for Use-As-Is]

1. Operator to correct and re-sign data sheet.
2. ITR re-review corrections
3. Submit corrections and copy of the NCR to records.
4. SPM to re-review corrected data.

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable.
[☒ N/A if not applicable, and for Use-As-Is, Reject, and Scrap]

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:

Joshua Houghton		9-4-13
printed name	signature	date

21. QA Engineer or QA Designee:

T. MUELLER	T Mueller	9.4.13
printed name	signature	date

Additional Approval:

printed name	signature	date

Additional Approval:

printed name	signature	date

CLOSURE

22. Final Disposition Complete - Responsible Manager or Individual:

printed name	signature	date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR: ☐
24b. If HOLD TAG is not applicable, check: ☐ and explain:

25. Final Disposition Verified – NCR Closed QA Engineer:

printed name	signature	date

66C

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Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SR4RTR0356

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SR4RTR 0356

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: During the ITR and after discussion with the LO and operator, It was determined that the operator incorrectly identified a solidified material as sludge for containers WMPSLB054D, WMPSLB054E, WMPSLB054C, PAD12TMP1G, PAD12TMP1C, PAD12TMP1D, PAD12TMP1F, PAD12TMP1H, PAD12TMP1B and PAD12TMP1E. The attachments reflect the ~~go~~ changes. BWG 8-29-13
BWG 8-29-13

14. All containers match the waste stream description and waste matrix code except SR518667G.

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Byron Gelderman — Signature — Date 8-29-13
Printed Name

On the recording for PAD12TMP1B, the operator pronounced the container number incorrectly. The operator pronounced it correctly at the end of the recording. BWG 8-29-13
I have reviewed and agree with all changes to this BDR. Byron 9-4-13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
S4RTR0356B	BACKUP RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Leon Navarrete (Printed Name)	08/03/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2481
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/03 14:43
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	08-29-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
S4RTR0356B	BACKUP RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0356	RTR BDR	08/22/13	72
SR4RTR0356A	PRIMARY RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Leon Navarrete (Printed Name)	09/09/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2682
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/09 13:36
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-05-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SR4RTR0356	RTR BDR	08/22/13	72
SR4RTR0356A	PRIMARY RTR DVD	08/21/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER

PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0074 **Examination Date:** 11-12 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				**Container(s):** WMPSLB051A, SR525068D, SR528588C, PAD12TMP2D, WMPSLB051B, WMPSLB052A, PAD12TMP2C, PADTEMP9C
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**	X			NCR-SRS-1731-12 rejects WMPSLB051C NCR-SRS-1732-12 rejects SR528588B
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/18/12

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0074				Examination Date: 11-12 December 2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**	X			**Except:** WMPSLB051C and SR528588B
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**	X			**Except:** WMPSLB051C
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			WMPSLB052A
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**	X			WMPSLB051B

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0074 **Examination Date:** 11-12 December 2012

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used

Comments: ***None***

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

David W Moody	David W Moody	18 December 2012
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0074 ☑ CH ☐ RH Date: 12/12/12

Waste Container ID Numbers	
Replicate Scan:	WMPSLB052A
Independent Observation:	WMPSLB051B
1	WMPSLB051C
2	WMPSLB051A
3	SR525068D
4	SR528588C
5	SR528588B
6	PAD12TMP2D
7	WMPSLB051B
8	WMPSLB052A
9	PAD12TMP2C
10	PADTEMP9C
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: John Brookshire — John Brookshire — 12/12/12
Printed Name — Signature — Date

Independent Technical Reviewer:
Georgia N. Kareis — Georgia N. Kareis — 12-18-12
Printed Name — Signature — Date

CCP RECORDS ORIGINAL
DATE REC'D 12-18-12

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0074 Date: 12/12/12

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	40
6	CCP Independent Technical Reviewer Checklist	46

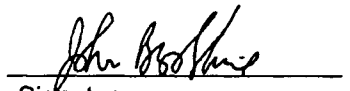
Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.12, CCP RTR Measurement Control Report.

John Brookshire — RTR Operator

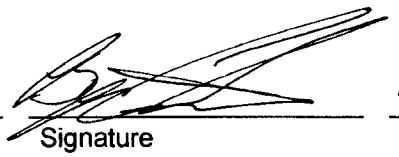
John Brookshire — Signature

12/12/12 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0074		
Examination Date: 12/11/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
John Brookshire		12/11/12
Printed Name	Signature	Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0074		
Examination Date: 12/12/12		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator:		
Byron Gelderman		12/12/12
Printed Name	Signature	Date

3A

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	WMPSLB052A
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 64.0 kg Tare Wt.: 27.7 kg Net Wt.: 36.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

4

CCP Radiography Data Sheet

Waste Container ID: WMPSLB052A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal sieves, metal cans
AM:	
OM:	
OI:	Absorbent, graphite molds
C:	
R:	Rubber gloves
XPM:	Plastic bags, pieces of plastic, plastic sheeting, plastic pen
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	16.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	13.5
Cellulosics (C):	
Rubber (R):	1.8
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	36.3

5

CCP Radiography Data Sheet

Waste Container ID: WMPSLB052A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan is in agreement with the original operator's scan. JMB 12/12/12

After further review with the original operator, I agree there are graphite molds in this container. JMB 12/12/12

RTR Operator:

John Brookshire	John Brookshire	12/12/2012
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	WMPSLB051B
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 44.0 kg Tare Wt.: 27.7 kg Net Wt.: 16.3 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

7

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051B

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal cans, scrap metal, metal hardware

AM:

OM:

OI: Absorbent, glassware

C:

R: Rubber gloves

XPM: Plastic bottles, plastic bags, plastic labware

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	10.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	16.3

8

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No

Comments: This Independent Observation is in agreement with the original operator's scan JMB 12/12/12

RTR Operator:

John Brookshire	John Brookshire	12/12/2012
Print Name	Signature	Date

9

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/11/2012
Waste Container ID:	WMPSLB051C
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-1731-12 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 49.0 kg Tare Wt.: 27.7 kg Net Wt.: 21.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 2 layers
Volume Utilization Percentage:	65 %

10

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, electrical device, metal can, hand tool
AM:	
OM:	
OI:	Absorbent, glassware
C:	Filter media
R:	Rubber gloves, rubber gasket material
XPM:	Plastic bags, plastic sheeting, plastic containers, electrical cord, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	4.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	2.3
Cellulosics (C):	0.4
Rubber (R):	1.5
Plastics (waste materials) (XPM):	12.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	21.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[X] Yes [ ] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: NCR-SRS-1731-12	

RTR Operator:

John Brookshire	John Brookshire	12/11/2012
Print Name	Signature	Date

12

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/11/2012
Waste Container ID:	WMPSLB051A
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 40.0 kg Tare Wt.: 27.7 kg Net Wt.: 12.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

13

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal containers, scrap metal
AM:	
OM:	
OI:	Glassware, absorbent
C:	Cardboard containers, tape, cotton wound filter
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	2.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.6
Cellulosics (C):	2.5
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/11/2012
Print Name	Signature	Date

15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/11/2012
Waste Container ID:	SR525068D
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 55.0 kg Tare Wt.: 27.7 kg Net Wt.: 27.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

16

CCP Radiography Data Sheet

Waste Container ID: SR525068D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal pipe, open metal canister
AM:	
OM:	
OI:	Glassware, absorbent
C:	
R:	
XPM:	Plastic sheeting, plastic containers, plastic tubing
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	21.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.6
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	27.3

17

CCP Radiography Data Sheet

Waste Container ID: SR525068D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Steve Redmond		12/11/2012
Print Name	Signature	Date

18

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/11/2012
Waste Container ID:	SR528588C
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

19

CCP Radiography Data Sheet

Waste Container ID: SR528588C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal tubing, scrap metal, metal containers, metal caps
AM:	
OM:	
OI:	Absorbent, glassware, crucible
C:	Mop handle
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic sleeving
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	5.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	4.0
Cellulosics (C):	0.5
Rubber (R):	1.3
Plastics (waste materials) (XPM):	7.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

20

CCP Radiography Data Sheet

Waste Container ID: SR528588C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

Steve Redmond		12/11/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/11/2012
Waste Container ID:	SR528588B
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-1732-12 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 65.0 kg Tare Wt.: 27.7 kg Net Wt.: 37.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

22

CCP Radiography Data Sheet

Waste Container ID: SR528588B

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, piece of metal, closed metal cylinder, metal container
AM:	
OM:	
OI:	Glassware
C:	
R:	Rubber gloves
XPM:	Plastic sheeting, plastic containers, plastic sleeving
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	28.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.0
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	7.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	37.3

23

CCP Radiography Data Sheet

Waste Container ID: SR528588B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☒ Yes ☐ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-SRS-1732-12	

RTR Operator:

Steve Redmond		12/11/2012
Print Name	Signature	Date

24

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	PAD12TMP2D
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 31.0 kg Tare Wt.: 27.7 kg Net Wt.: 3.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	50 %

25

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2D

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, utility knife at 32"
AM:	
OM:	
OI:	
C:	
R:	Rubber gloves
XPM:	Plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	3.3

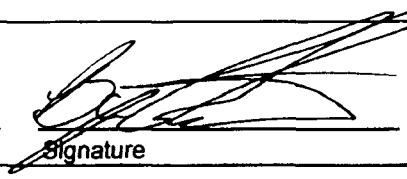
26

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2D

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman		12/12/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	WMPSLB051B
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 44.0 kg Tare Wt.: 27.7 kg Net Wt.: 16.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	75 %

28

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051B

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Metal cans, scrap metal, metal hardware
AM:	
OM:	
OI:	Glassware, absorbent
C:	
R:	Rubber gloves
XPM:	Plastic containers, plastic bags, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	10.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.4
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	16.3

29

CCP Radiography Data Sheet

Waste Container ID: WMPSLB051B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments:N/A	

RTR Operator:

Byron Gelderman		12/12/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	WMPSLB052A
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 64.0 kg Tare Wt.: 27.7 kg Net Wt.: 36.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

31

CCP Radiography Data Sheet

Waste Container ID: WMPSLB052A

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, metal sieves, small metal cans
AM:	
OM:	
OI:	Graphite molds, absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, small plastic container, plastic marker
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	15.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	15.0
Cellulosics (C):	
Rubber (R):	2.0
Plastics (waste materials) (XPM):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	36.3

CCP Radiography Data Sheet

Waste Container ID: WMPSLB052A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

Byron Gelderman		12/12/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	PAD12TMP2C
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal
AM:	
OM:	
OI:	Absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	13.9
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.1
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	3.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

35

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	[X] Yes [ ] No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	[ ] Yes [X] No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	[ ] Yes [X] No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	[ ] Yes [X] No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	[ ] Yes [X] No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	[ ] Yes [X] No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	[ ] Yes [X] No
Is there an indication of wastes containing explosives or compressed gases?	[ ] Yes [X] No
Is there an indication of PCBs liquids?	[ ] Yes [X] No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	[ ] Yes [X] No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	[ ] Yes [X] No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	[ ] Yes [X] No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	[ ] Yes [X] No
Are there sealed containers GREATER than 4 liters?	[ ] Yes [X] No
Are there indications of inadequate protection for heavy and/or sharp objects?	[ ] Yes [X] No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	12/12/2012
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0074
Examination Date:	12/12/2012
Waste Container ID:	PADTEMP9C
Video/Audio Recorded Media Number:	SRLBR0074 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 59.0 kg Tare Wt.: 27.7 kg Net Wt.: 31.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

37

CCP Radiography Data Sheet

Waste Container ID: PADTEMP9C

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	Scrap metal, electrical device, metal pipes, metal cap
AM:	
OM:	
OI:	Absorbent
C:	Tape
R:	
XPM:	Plastic bags, nylon chokers, electrical cord, plastic bottles, plastic sheeting
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	24.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.2
Cellulosics (C):	0.2
Rubber (R):	
Plastics (waste materials) (XPM):	6.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	31.3

CCP Radiography Data Sheet

Waste Container ID: PADTEMP9C

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:		
John Brookshire	John Brookshire	12/12/2012
Print Name	Signature	Date

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-1731-12 **Revision:** 0

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0074
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (if applicable):** N/A	**Container #(s):** WMPSLB051C
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☑ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):
CCP-TP-053, Rev. 12, Table 1. Prohibited Items states in part: "Observable liquid shall be no more than 1 percent by volume of the outermost container.

7c. Actual Condition:
2.5 liters of observable liquid in plastic bags at 28" to 30".

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:
John Brookshire (printed name) — John Brookshire (signature) — 12/11/12 (date)

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☑ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☑ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:
Byron Gelderman (printed name) — signature — 12-12-12 (date)

40

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1731-12 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1731-12 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kallis	[signature]	12-12-12	Byron Gilderman	[signature]	12-12-12
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name | signature | date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

printed name | signature | date

42

COPY

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR- SRS-1732-12 **Revision:** 0

1. Lot No., Heat No., or Serial No. (If applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0074
4. Order/Work Order/Job Control Number (If applicable):	**5. PO # (If applicable):**	**Container #(s):**
N/A	N/A	SR528588B
	6. Supplier (If applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☑ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

CCP-TP-053 Rev. 12, Table 1, ~~LIST OF~~ PROHIBITED ITEMS states: Sealed containers greater than 4 liters.

12-11-12

7c. Actual Condition:

Sealed metal cylinder from 2" through 32".

^greater than 4 liters JAH 12-12-12

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☑ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:

Steve Redmond _____ ~~12/11~~/12

printed name signature date

9. Does the identified condition have the potential to impact AK? ☐ YES ☑ NO ☐ INDETERMINATE

If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☑ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☑ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

Byron Gelderman _____ 12-12-12

printed name signature date

43

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1732-12 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☑ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR- SRS-1732-12 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

N/A

☑ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Valeis	[signature]	12-12-12	Byron Gelderman	[signature]	12-12-12
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

45

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRL-BR0074

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 12	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☑ N/A
12.	Was justification made for changing the original data?	☐ NO	☑ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0074

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A JDK 12-18-12

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
Georgia N. Karelis	Georgia N. Karelis	12-18-12

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-18-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0074B	BACKUP RTR DVD	12/11/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Linda Martin	LINDA MARTIN	12.27.12
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2573
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	12/27 09:35
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-18-12
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SRLBR0074B	BACKUP RTR DVD	12/11/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin LINDA MARTIN 12-27-12

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-20-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0074	RTR BDR	12/12/12	48
SRLBR0074A	PRIMARY RTR DVD	12/11/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted [X]	Sheri Punchios (Signature)	SHERI PUNCHIOS (Printed Name)	12-27-12 (Date)
Records Rejected [ ]	_____ (Signature)	_____ (Printed Name)	_____ (Date)

Reason for Rejection:

Re-submittal:	_____ (Signature)	_____ (Printed Name)	_____ (Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3288
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	12/27 12:38
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	12-20-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0074	RTR BDR	12/12/12	48
SRLBR0074A	PRIMARY RTR DVD	12/11/12	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] Sheri Punchios SHERI PUNCHIOS 12-27-12

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0094 **Examination Date(s):** 6/5/13 & 6/6/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: SR514715 SR514715E SR514715F SR518667A SR523949 SR523949B SR54099220 SR57170945
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**	X			NCR-SRS-0282-13 rejects WMAPSWB576 NCR-SRS-0283-13 USE AS IS NCR-SRS-0610-13 USE AS IS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			Except SR518667A, SR514715, SR523949

NTPC RECORDS ORIGINAL
DATE REC'D 6/12/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0094				Examination Date(s): 6/5/13 & 6/6/13
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			Except SR518667A, SR514715, SR523949
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			Except WMAPSWB576
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	No discrepancies
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0094 **Examination Date(s):** 6/5/13 & 6/6/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Not used.

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Beverly S. Schrock	BSSchrock	June 11, 2013
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0094 ☑ CH ☐ RH Date: 06/06/13

Waste Container ID Numbers	
Replicate Scan:	SR57170945
Independent Observation:	SR518667A
1	WMAPSWB576
2	SR54099220
3	SR518667A
4	SR57170945
5	SR514715
6	SR523949
7	SR514715E
8	SR514715F
9	SR523949B
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: Byron Gelderman — Printed Name | Signature | 06/06/13 — Date

Independent Technical Reviewer:
John Brookshire — Printed Name | John Brookshire — Signature | 6/11/13 — Date

NTPC RECORDS ORIGINAL
DATE REC'D 06-11-13

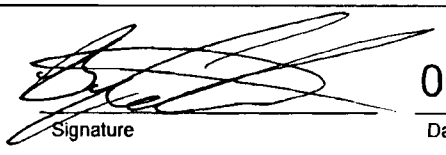
Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0094 Date: 06/06/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	37
6	CCP Independent Technical Reviewer Checklist	46

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

Byron Gelderman — RTR Operator


Signature

06/06/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0094		
Examination Date: 06/05/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman Printed Name	Signature	06/05/13 Date

3

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0094		
Examination Date: 06/06/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: Byron Gelderman (Printed Name) (Signature) 06/06/13 (Date)		

3 A

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR57170945
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 367.0 kg Tare Wt.: 290.0 kg Net Wt.: 77.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

4

CCP Radiography Data Sheet

Waste Container ID: SR57170945

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum open, hand tool, metal lid, electrical device, drum ring

AM:

OM:

OI:

C: Wood

R: Rubber gloves

XPM: Plastic bags, air hose, plastic suits, nylon choker, plastic hood

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	53.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	7.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	15.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	77.0

CCP Radiography Data Sheet

Waste Container ID: SR57170945

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate Scan agrees with the original scan.
6-6-13

RTR Operator:

Byron Gelderman		6/6/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR518667A
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ No ☒ Yes NCR No.: NCR-SRS-0283-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 366.0 kg Tare Wt.: 290.0 kg Net Wt.: 76.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

7

CCP Radiography Data Sheet

Waste Container ID: SR518667A

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tools, drum lid, metal drum open, scrap metal, metal lids, metal cans, scissors at 32"
AM:	
OM:	
OI:	Absorbent
C:	Fiberboard liner
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic bags, nylon chokers, plastic sheeting, plastic glove ports
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	57.9
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.0
Cellulosics (C):	3.7
Rubber (R):	4.5
Plastics (waste materials) (XPM):	6.9
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	76.0

8

CCP Radiography Data Sheet

Waste Container ID: SR518667A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0283-13 This Independent Observation agrees with the original Scan. BWC 6-6-13

RTR Operator:

Byron Gelderman		6/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/5/2013
Waste Container ID:	WMAPSWB576
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0282-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-773A-HET
Waste Container Weights:	Gross Wt.: 399.0 kg Tare Wt.: 290.0 kg Net Wt.: 109.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

10

CCP Radiography Data Sheet

Waste Container ID: WMAPSWB576

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Metal drums vented, metal vents, metal drum sealed, metal cans, metal lids
AM:	
OM:	
OI:	Glassware, absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, plastic containers, plastic labware
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	101.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.6
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	4.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	109.0

CCP Radiography Data Sheet

Waste Container ID: WMAPSWB576

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☒ Yes ☐ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-SRS-0282-13	

RTR Operator:

Byron Gelderman		6/5/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/5/2013
Waste Container ID:	SR54099220
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-221F-Het-A
Waste Container Weights:	Gross Wt.: 384.0 kg Tare Wt.: 290.0 kg Net Wt.: 94.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

Waste Container ID: SR54099220

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tools, metal drum open, scrap metal, metal hardware, drum lid and ring, open metal sprayer
AM:	
OM:	
OI:	Absorbent
C:	Wood
R:	Rubber gloves, rubber hose
XPM:	Plastic bags, nylon choker
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	56.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	7.2
Cellulosics (C):	22.1
Rubber (R):	3.4
Plastics (waste materials) (XPM):	5.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	94.0

14

CCP Radiography Data Sheet

Waste Container ID: SR54099220

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman		6/5/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/5/2013
Waste Container ID:	SR518667A
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0283-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 366.0 kg Tare Wt.: 290.0 kg Net Wt.: 76.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

16

CCP Radiography Data Sheet

Waste Container ID: SR518667A

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scrap metal, metal drum open, metal lids, metal drum ring, metal hardware, metal rings, hand tools, metal cans, scissors on the bottom
AM:	
OM:	
OI:	Absorbent
C:	Fiberboard liner
R:	Rubber gloves, rubber shoe covers
XPM:	Plastic bags, nylon chokers, plastic sheeting, plastic glove portals
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	58.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	3.5
Cellulosics (C):	3.7
Rubber (R):	4.0
Plastics (waste materials) (XPM):	6.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	76.0

17

CCP Radiography Data Sheet

Waste Container ID: SR518667A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-SRS-0283-13	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	6/5/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/5/2013
Waste Container ID:	SR57170945
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-W027-HBL-BOX
Waste Container Weights:	Gross Wt.: 367.0 kg Tare Wt.: 290.0 kg Net Wt.: 77.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

19

CCP Radiography Data Sheet

Waste Container ID: SR57170945

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Hand tool, metal drum open, metal lid, scrap metal, electrical device, drum ring
AM:	
OM:	
OI:	
C:	Pieces of wood
R:	Rubber gloves
XPM:	Plastic bags, air hose and fittings, air hoods, plastic suits, nylon chokers
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	51.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	8.0
Rubber (R):	1.3
Plastics (waste materials) (XPM):	16.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	77.0

20

CCP Radiography Data Sheet

Waste Container ID: SR57170945

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Georgia N. Kareis	Georgia N. Kareis	6/5/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR514715
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0610-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 409.0 kg Tare Wt.: 290.0 kg Net Wt.: 119.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

22

CCP Radiography Data Sheet

Waste Container ID: SR514715

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: ~~Hand tool~~ 6-6-13, metal drum open, drum lid and ring, scrap metal, hand tools, ~~scrap metal~~ 6-6-13, utility knife at 28", scissors at 28", electrical device, metal can

AM:

OM:

OI: Absorbent

C: Fiberboard liner, wood, mop heads

R: Rubber gloves, leaded glove

XPM: Plastic bags, nylon chokers, plastic liner lid, plastic glove ports, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	59.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	6.2
Cellulosics (C):	19.4
Rubber (R):	4.2
Plastics (waste materials) (XPM):	29.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	119.0

23

CCP Radiography Data Sheet

Waste Container ID: SR514715

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: NCR-SRS-0610-13 During the recording the operator incorrectly stated that the container matched the waste stream description and waste matrix code. After further review the operator determined that it does not match the waste stream description and waste matrix code. The attachment reflects the correct data.

RTR Operator:

Byron Gelderman		6/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR523949
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[ ] No [X] Yes NCR No.: NCR-SRS-0610-13 NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	Standard Waste Box
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 413.0 kg Tare Wt.: 290.0 kg Net Wt.: 123.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

Waste Container ID: SR523949

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal drum open, drum lid, hand tools, drum ring, metal cans, scrap metal, scissors at 22"

AM:

OM:

OI: Absorbent

C: Fiberboard liner, wood

R: Rubber gloves

XPM: Plastic bags, nylon chokers, plastic liner lid, air hose, plastic suits, plastic sheeting, plastic glove port

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

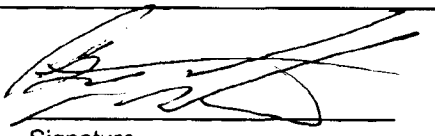
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	290.0
Plastics (PP):	
Other:	
Total Packaging Weight	290.0
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	68.9
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	6.8
Cellulosics (C):	10.3
Rubber (R):	2.6
Plastics (waste materials) (XPM):	34.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	123.0

CCP Radiography Data Sheet

Waste Container ID: SR523949

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☒ Yes ☐ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:NCR-SRS-0610-13	

RTR Operator:

Byron Gelderman		6/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR514715E
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

28

CCP Radiography Data Sheet

Waste Container ID: SR514715E

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	Absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, air hose, air hood, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	
Rubber (R):	2.6
Plastics (waste materials) (XPM):	15.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

CCP Radiography Data Sheet

Waste Container ID: SR514715E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman	[signature]	6/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR514715F
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 46.0 kg Tare Wt.: 27.7 kg Net Wt.: 18.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

SCG, 6-6-13
31 BT

CCP Radiography Data Sheet

Waste Container ID: SR514715F

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	Scissors at 18"
AM:	
OM:	
OI:	Absorbent
C:	
R:	Rubber gloves
XPM:	Plastic bags, air hose, plastic suits
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.3
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	15.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	18.3

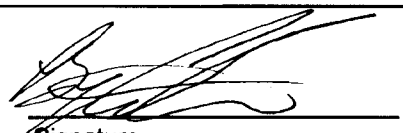
32

CCP Radiography Data Sheet

Waste Container ID: SR514715F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman		6/6/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0094
Examination Date:	6/6/2013
Waste Container ID:	SR523949B
Video/Audio Recorded Media Number:	SRLBR0094 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 225
Waste Matrix Code:	S5300
Waste Stream I.D.:	SR-W027-FB-PRE86-C
Waste Container Weights:	Gross Wt.: 44.0 kg Tare Wt.: 27.7 kg Net Wt.: 16.3 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	70 %

34

CCP Radiography Data Sheet

Waste Container ID: SR523949B

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	Filter
R:	Rubber gloves
XPM:	Air hose, plastic suits, plastic bags
OR:	
IN:	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.2
Rubber (R):	1.3
Plastics (waste materials) (XPM):	14.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	16.3

CCP Radiography Data Sheet

Waste Container ID: SR523949B

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments:N/A	

RTR Operator:

Byron Gelderman	[signature]	6/6/2013
Print Name	Signature	Date

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0282-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable): N/A	2. Process (e.g., NDA, HSG, NDE, VE, Other): NDE	3. Batch Data Report #(s): SRLBR0094
4. Order/Work Order/Job Control Number (if applicable): N/A	5. PO # (if applicable): N/A	Container #(s): WMAPSWB576
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☒ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053, Rev. 5, Table 1, Prohibited Items, states in part... Sealed containers greater than 4 liters. JM 6/10/13

7c. Actual Condition: Greater than 4 liter sealed metal container at 28"

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☒ YES ☐ NO (If no is checked, explain:)

8. NCR Originator:

Byron Gelderman (printed name) — signature — 06/05/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K

11. Responsible Manager: Georgia N. Kareis

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

John Brookshire (printed name) — John Brookshire (signature) — 6/10/13 (date)

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0282-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

38

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0282-13 **Revision:0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
N/A

☒ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
Return to SRS for correction of nonconforming Actual Condition as identified in Block 7 (c).

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):
N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis	GKareis	6/10/13	John Brookshire	John Brookshire	6/10/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0283-13		**Revision: 0**
1. Lot No., Heat No., or Serial No. (If applicable): N/A	**2. Process (e.g., NDA, HSG, NDE, VE, Other):** NDE	**3. Batch Data Report #(s):** SRLBR0094
4. Order/Work Order/Job Control Number (if applicable): N/A	**5. PO # (If applicable):** N/A	**Container #(s):** SR518667A
	6. Supplier (if applicable): N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): **CCP-TP-053 Rev.13, Section 4.4.2 [H.2] states...** IF the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code, **THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number inSection 1 and in the comments block of Attachment 2.

7c. Actual Condition: This SWB contains greater than 20% inorganic waste.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO **(If no is checked, explain:)**

USE AS IS

8. NCR Originator:

Georgia N. Kareis (printed name) — Georgia N. Kareis (signature) — 6/6/13 (date) — 6/5/13

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K — 6/10/13

11. Responsible Manager: ~~Byron Goldsmith~~ Georgia N. Kareis 6/10/13

12. Significant Condition? ☐ YES ☒ NO **(If Yes, enter CAR No.:)**

13. Recurring Condition? ☐ YES ☒ NO **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

John Brookshire (printed name) — John Brookshire (signature) — 6/10/13 (date)

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0283-13 **Revision:** 0

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0283-13 **Revision:** 0

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☒ Use-As-Is ☐ Repair

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)
The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ Reject ☐ Rework ☐ Scrap

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)
N/A

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis ~~Byron Gelderman~~	Gkareis	6/10/13	John Brookshire	John Brookshire	6/10/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			Additional Approvals:		
printed name	signature	date	printed name	signature	date

GNK 6/10/13

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:
GNK 6/10/13 Georgia N. Kareis ~~Byron Gelderman~~ Gkareis 6/10/13
printed name signature date

23. Attachments:
NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☑ Disposition use as is.

25. Final Disposition Verified – NCR Closed CCP QA Engineer:
Steve Musser Steve Musser 6/10/13
printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. NCR-SRS-0610-13 **Revision: 0**

1. Lot No., Heat No., or Serial No. (if applicable):	2. Process (e.g., NDA, HSG, NDE, VE, Other):	3. Batch Data Report #(s):
N/A	NDE	SRLBR0094
4. Order/Work Order/Job Control Number (if applicable):	5. PO # (if applicable):	Container #(s): SR514715, SR523949
N/A	N/A	
	6. Supplier (if applicable):	
	N/A	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☒ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text): CCP-TP-053 Rev.13, Section 4.4.2 [H.2] states... IF the waste form DOES NOT match the Waste Stream description and/or the Waste Matrix Code, THEN initiate an NCR in accordance with CCP-QP-005, AND record NCR number inSection 1 and in the comments block of Attachment 2.

7c. Actual Condition: These SWBs contain greater than 20% inorganic waste.

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ YES ☒ NO (If no is checked, explain:)

USE AS IS

8. NCR Originator:

Byron Gelderman (printed name) — signature — 06/06/13 (date)

9. Does the identified condition have the potential to impact AK? If YES or INDETERMINATE, enter Trend Code L in Block 10. ☐ YES ☒ NO ☐ INDETERMINATE

10. Trend Code: K

11. Responsible Manager: Georgia N. Karels

12. Significant Condition? ☐ YES ☒ NO (If Yes, enter CAR No.:)

13. Recurring Condition? ☐ YES ☒ NO (If Yes, list NCRs and CARs:)

14. CCP QA Engineer or CCP QA Designee validation:

John Bookshire ~~Steve Muse~~ JMS 6/10/13 (printed name) — signature — 6/10/13 (date)

COPY

43

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0610-13 **Revision: 0**

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☒ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

COPY

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. NCR-SRS-0610-13 **Revision: 0**

FINAL DISPOSITION

19. Final Disposition (Check Only One):

☒ **Use-As-Is** ☐ **Repair**

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

The waste matrix code is assigned based on analysis that was performed to determine the average organic and inorganic volume of the waste in the entire waste stream. It is expected that individual containers may fall outside the organic/inorganic volumes specified. The cumulative data for all of the containers in the waste stream is collected, tracked, and compared with the corresponding AK Summary report and reported to the AKE at the Lot Evaluation level.

☐ **Reject** ☐ **Rework** ☐ **Scrap**

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

N/A

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

N/A

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			21. CCP QA Engineer or CCP QA Designee:		
Georgia N. Kareis	Georgia N. Kareis	6/10/13	John Brookshire	John Brookshire	6/10/13
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

Georgia N. Kareis Georgia N. Kareis 6/10/13
printed name signature date

23. Attachments:

NA

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐

24b. Check if not applicable (N/A) and explain. ☑ Disposition use as is.

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

Steve Wyatt Steve Wyatt 6/10/13
printed name signature date

COPY

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0094

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0094

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☑ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: 14. All containers match the Waste Matrix Code and Waste Stream Description except SR518667A, SR514715, and SR523949. JB 6/11/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

John Brookshire	John Brookshire	6/11/13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	06-11-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0094B	BACKUP RTR DVD	06/05/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

	Signature	Printed Name	Date
Records Accepted [✓]	[signature]	Leon Navarrete	06/18/13
Records Rejected [ ]			

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4772
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	06/18 09:10
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	06-11-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0094B	BACKUP RTR DVD	06/05/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

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Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	06-18-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0094	RTR BDR	06/06/13	48
SRLBR0094A	PRIMARY RTR DVD	06/05/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	Leon Navarrete Printed Name	06/20/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3633
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	06/20 10:02
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	06-18-13
Telephone Number:	575-234-7523		

Document Number	Title/ Description	Record Date	Total Pages
SRLBR0094	RTR BDR	06/06/13	48
SRLBR0094A	PRIMARY RTR DVD	06/05/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

DIVIDER PAGE

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: SRLBR0110 **Examination Date(s):** 9/10/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-4**	X			
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-4**	X			
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-4**				Container Numbers: SR522596A PAD12TMP2E PADTEMP9F PAD12TMP2H PAD12TMP2F
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-3**	X			
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-3**			X	NO NCRS
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-4**	X			
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-4**	X			
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-3**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 9/16/13

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0110				Examination Date(s): 9/10/13
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, Table C3-3**	X			
11. Are prohibited items absent? **Reference Source: CCP-PO-001, Table C3-3**	X			
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C-1**	X			
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-2**			X	NO DISCREPANCIES
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-8**	X			
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C1-1**	X			
16. Was the Lines-Pair Resolution Test or Sieve Test Check included in the BDR? **Reference Source: CCP Technical Procedures**	X			
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-1**	X			

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: SRLBR0110 **Examination Date(s):** 9/10/13

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-1**	X			
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-1**	X			
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**	X			
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP Technical Procedures**	X			
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**	X			
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**			X	Weight obtained independent of RTR

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Laura Nelson	Laura Nelson	9/16/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID: SRS

Batch Data Report No.: SRLBR0110 ☐ CH ☑ RH Date: 9/10/13

Waste Container ID Numbers	
Replicate Scan:	PAD12TMP2H
Independent Observation:	PAD12TMP2E
1	SR522596A
2	PAD12TMP2E
3	PADTEMP9F
4	PAD12TMP2H
5	PAD12TMP2F
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A

RTR Operator: John Brookshire — John Brookshire — 9/10/13
Printed Name — Signature — Date

Independent Technical Reviewer:
Georgia N. Karis — Georgia N. Karis — 9/16/13
Printed Name — Signature — Date

NTPC RECORDS ORIGINAL
DATE REC'D 09-16-13

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.: SRLBR0110 Date: 9/10/13

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	1
2	CCP Radiography Batch Data Report Table Of Contents	2
3	CCP RTR Measurement Control Report	3
4	CCP Radiography Data Sheets	4
5	Copy of NCRs (NA, If Not Applicable)	N/A
6	CCP Independent Technical Reviewer Checklist	25

Batch Narrative
All Quality Checks were performed and recorded on CCP-TP-053, Rev.13, CCP RTR Measurement Control Report.

John Brookshire — RTR Operator

John Brookshire — Signature

9/10/13 — Date

Attachment 1 – CCP RTR Measurement Control Report

Site ID: SRS		
Batch Data Report No.: SRLBR0110		
Examination Date: 9/10/13		
Control Checks		
Video/Audio Recorded Media System Check	☑ SAT	☐ UNSAT
Image Test : #8 Sieve (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☑ SAT	☐ UNSAT
Comments: N/A		
RTR Operator: John Brookshire (Printed Name)	John Brookshire (Signature)	9/10/13 (Date)

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☒ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2H
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 42.7 kg Tare Wt.: 27.7 kg Net Wt.: 15.0 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

4

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal hardware

AM:

OM:

OI: Absorbent

C: Wood framed HEPA filters

R: Rubber gloves

XPM: Plastic bags, air hose

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	0.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.5
Cellulosics (C):	4.4
Rubber (R):	1.3
Plastics (waste materials) (XPM):	8.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.0

5

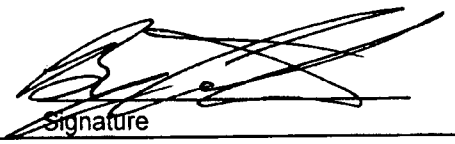
CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Replicate scan agrees with the original operator.
BLG
9-10-13

RTR Operator:

Byron Gelderman		9/10/2013
Print Name	Signature	Date

6

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☒ RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2E
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	☒ No ☐ Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322 and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 40.5 kg Tare Wt.: 27.7 kg Net Wt.: 12.8 kg
Rigid Liner and Liner Vent Description:	Liner: ☒ No ☐ Yes Lid: ☒ No ☐ Yes Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ No ☐ Yes ☒ N/A Punctured: ☒ No ☐ Yes Mechanical Vent: ☒ No ☐ Yes Fiberboard Liner: ☒ No ☐ Yes Lead Lined: ☒ No ☐ Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

7

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI: Absorbent

C: Wood framed HEPA filters

R:

XPM: Air hose, plastic bags, plastic container, plastic tubing

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.7
Cellulosics (C):	4.0
Rubber (R):	
Plastics (waste materials) (XPM):	7.1
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.8

8

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No

Comments: This Independent observation agrees with the original operator. BWG 9-10-13

BWG
9-10-13

RTR Operator:

Byron Gelderman		9/10/2013
Print Name	Signature	Date

9

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	SR522596A
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR321, SR322, and SR325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-221H.01
Waste Container Weights:	Gross Wt.: 60.1 kg Tare Wt.: 27.7 kg Net Wt.: 32.4 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

10

CCP Radiography Data Sheet

Waste Container ID: SR522596A

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Metal bucket - open, scissors at 28", metal containers, scrap metal

AM:

OM: Pellets

OI:

C: Wood

R: Rubber gloves

XPM: Air hose and fittings, plastic sheeting, plastic suits, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	9.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.5
Other Inorganic Materials (OI)	
Cellulosics (C):	1.2
Rubber (R):	1.3
Plastics (waste materials) (XPM):	19.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	32.4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: SR522596A

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

12

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2E
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 40.5 kg Tare Wt.: 27.7 kg Net Wt.: 12.8 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	85 %

13

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2E

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal wire

AM:

OM:

OI: Absorbent

C: Filters, wood

R:

XPM: Air hose, plastic bags, plastic container, plastic sheeting

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.9
Cellulosics (C):	2.4
Rubber (R):	
Plastics (waste materials) (XPM):	7.7
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	12.8

14

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Waste Container ID: PAD12TMP2E

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	
RTR Operator: John Brookshire (Print Name) / John Brookshire (Signature) / 9/10/2013 (Date)	

15

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PADTEMP9F
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 61.3 kg Tare Wt.: 27.7 kg Net Wt.: 33.6 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

16

CCP Radiography Data Sheet

Waste Container ID: PADTEMP9F

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal bottles

AM:

OM:

OI: Absorbent

C:

R: Rubber gloves

XPM: Air hose and fittings, plastic bags, plastic sheeting, plastic labware, plastic suits

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.7
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.8
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	29.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	33.6

17

CCP Radiography Data Sheet

Waste Container ID: PADTEMP9F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2H
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 42.7 kg Tare Wt.: 27.7 kg Net Wt.: 15.0 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

19

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2H

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal hardware

AM:

OM:

OI: Absorbent

C: Filters, wood

R: Rubber gloves

XPM: Air hose, plastic sheeting, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	0.7
Cellulosics (C):	2.8
Rubber (R):	1.3
Plastics (waste materials) (XPM):	9.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	15.0

20

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2H

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:		
John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2

Section 1: General Information	
[X] RTR Examination [ ] RTR Replicate Scan [ ] RTR Independent Observation	
Site ID:	SRS
Batch Number:	SRLBR0110
Examination Date:	9/10/2013
Waste Container ID:	PAD12TMP2F
Video/Audio Recorded Media Number:	SRLBR0110 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 13
NCR(s) associated with the container? (e.g., Prohibited Items)	[X] No [ ] Yes NCR No.: N/A NCR No.: N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	SR 321, SR 322, and SR 325
Waste Matrix Code:	S5400
Waste Stream I.D.:	SR-RH-773A.01
Waste Container Weights:	Gross Wt.: 48.9 kg Tare Wt.: 27.7 kg Net Wt.: 21.2 kg
Rigid Liner and Liner Vent Description:	Liner: [X] No [ ] Yes Lid: [X] No [ ] Yes Type: [ ] 30-mil [ ] 90-mil [ ] 110-mil [ ] 125-mil Vented: [ ] No [ ] Yes [X] N/A Punctured: [X] No [ ] Yes Mechanical Vent: [X] No [ ] Yes Fiberboard Liner: [X] No [ ] Yes Lead Lined: [X] No [ ] Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

22

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2F

Section 3: Container Inventory and Comments (Detailed descriptions)

IM: Scrap metal, metal wire, metal hardware

AM:

OM:

OI: Absorbent, broken glass, glassware

C: Wood, filter

R:

XPM: Air hose and fittings, plastic bags

OR:

IN:

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	**Estimated Weight (kg)**
Steel (ST):	27.7
Plastics (PP):	
Other:	
Total Packaging Weight	27.7
Waste Material Parameter:	**Estimated Weight (kg)**
Iron-based Metal / Alloys (IM):	3.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	1.6
Cellulosics (C):	1.8
Rubber (R):	
Plastics (waste materials) (XPM):	14.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	21.2

23

CCP Radiography Data Sheet

Waste Container ID: PAD12TMP2F

Section 5: RTR Summary (Questions answered "Yes" will be explained in the Comment block, except for Question 1)	
Is there observable liquid?	☐ Yes ☒ No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ Yes ☒ No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ Yes ☒ No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐ Yes ☒ No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ Yes ☒ No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ Yes ☒ No
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ Yes ☒ No
Is there an indication of wastes containing explosives or compressed gases?	☐ Yes ☒ No
Is there an indication of PCBs liquids?	☐ Yes ☒ No
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ Yes ☒ No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ Yes ☒ No
CH or RH TRAMPAC	
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ Yes ☒ No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ Yes ☒ No
Are there sealed containers GREATER than 4 liters?	☐ Yes ☒ No
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ Yes ☒ No
Comments: N/A	

RTR Operator:

John Brookshire	John Brookshire	9/10/2013
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.: SRLBR0110

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☑ YES	
2.	Was the correct revision of the procedure used? Procedure: CCP-TP-053 Rev.: 13	☐ NO	☑ YES	
3.	Are the WMPs entered correctly?	☐ NO	☑ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☑ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☑ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☑ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☑ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☑ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☑ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☑ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☑ YES	☐ N/A
12.	Was justification made for changing the original data?	☑ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☑ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☑ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☑ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☑ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☑ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.: SRLBR0110

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☑ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2? (1 per batch or 1 per day, whichever is less frequent).	☐ NO	☑ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☑ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☑ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☑ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☑ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☑ YES	

Comments: N/A dak 9/16/13

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date
Georgia N. Karelis	Georgia N. Karelis	9/16/13

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

	Original Record	☐	Copy
	Fax Record		
X	Electronic Record		

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	9/16/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	SPM Checklist	9/16/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted ☑	Jeff Patterson	Jeffrey Patterson	9/16/13
	Signature	Printed Name	Date
Records Rejected ☐			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2783
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	09/16 12:33
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Controlled Copy

CCP-QP-008, Rev. 21
CCP Records Management

Effective Date: 02/28/2013

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220
Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095
Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	9/16/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	SPM Checklist	9/16/13	3
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] [signature] Jeffrey Patterson [illegible]

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-16-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110B	BACKUP RH RTR DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Leon Navarrete (Printed Name)	09/25/13 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2959
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	09/25 14:52
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-16-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110B	BACKUP RH RTR DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record
[ ] Fax Record
[ ] Electronic Record
[ ] Copy

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-24-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	RH RTR BDR	09/10/13	26
SRLBR0110A	RH RTR PRIMARY DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

	Signature	Printed Name	Date
Records Accepted [✓]	Leon Navarrete	Leon Navarrete	10/02/13
Records Rejected [ ]			

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3037
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	10/02 09:50
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

CCP-QP-008, Rev. 21
CCP Records Management

Effective Date: 02/28/2013

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	09-24-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRLBR0110	RH RTR BDR	09/10/13	26
SRLBR0110A	RH RTR PRIMARY DVD	09/10/13	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments:

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

RTR2

COPY

National TRU Program Certification	RTR-02, Rev. 4
Effective Date: 06/06/2013	Page 1 of 7

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Byron Gelderman

Education/Experience		
Resume documenting education on file with National TRU Program Certification (NTPC) Training.		Cheryl Almyjo 09-20-13 NTPC Training — Date
National Standard Requirements		
SNT-TC-1A Requirements	1. Certificate from an approved vendor stating the individual operator is a qualified Real-Time Radiography (RTR) operator Level II SNT-TC-1A *(Always Required)*	Cheryl Almyjo 09-20-13 NTPC Training — Date
	2. Eye Examination: *(Always Required)* Jaeger Test (J-2) Date: 09-16-13 Color Vision or Gray Scale Test Date: 09-16-13	Cheryl Almyjo 09-20-13 NTPC Training — Date
Job Specific Training		
☐ Initial Qualification	☑ Requalification	☐ Full Requalification
Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the Site Project Manager (SPM) or the Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete the entire qualification card to reestablish qualification.	
Requalification Requirements	Items required for requalification are identified by text.	

Real-Time Radiography (RTR) Operator/Independent Technical Reviewer (ITR) Qualification Card

Name: Byron Gelderman

Indoctrination

(Required at Initial Qualification and Full Requalification)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-HSP-014, *Health and Safety Program Implementation for CCP*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (TRAMPAC)*
6. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
7. CCP-QP-002, *CCP Training and Qualification Plan*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-008, *CCP Records Management*
10. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
11. CCP-QP-029, *CCP Corrective Action Management*
12. CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.

Trainee — Date: 8-26-13

Document	Additional Training Requirements		
CCP-PO-001	1. WAP/QAPjP Briefing & Exam *(One-time Requirement)*	NTPC Training	Date: 09-20-13
CCP-RTR-101	2. Real-Time Radiography (RTR) TRU Waste Characterization Briefing. *(Always Required)*	NTPC Training	Date: 09-23-13
CCP-QP-002	3. RTR Comprehensive Exam *(Always Required)*	NPTC Training	Date: 09-20-13
	4. Test Drum (WAC): *(Always Required)*	NTPC Training	Date: 09-20-13
	5. Training Container[1]: *(Always Required)*	NTPC Training	Date: 09-20-13

[1] The Training Container meets the requirements of the Test Drum defined in the WCPIP.

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Byron Gelderman

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at Initial Qualification and Full Requalification)*	Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the Quality Assurance Objectives (QAOs) validated by RTR.	Keegan Harris 9-5-13
CCP-PO-001	2. List the Data Quality Objectives (DQOs) of RTR.	Keegan Harris 9-5-13
CCP-QP-002	3. State the purpose of the List of Qualified Individuals (LOQI).	Keegan Harris 9-5-13
	4. State the requirements for performing the Test demonstration.	Keegan Harris 9-5-13
	5. State the requirements for performing the Training Demonstration.	Keegan Harris 9-5-13
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	Keegan Harris 9-5-13
	7. Describe how nonconforming items are documented.	Keegan Harris 9-5-13
	8. Describe how nonconforming items are controlled to prevent their use.	Keegan Harris 9-5-13
	9. State who has the responsibility to validate the NCR once initiated.	Keegan Harris 9-5-13
	10. Describe how to revise an NCR.	Keegan Harris 9-5-13
	11. Describe how to void an NCR.	Keegan Harris 9-5-13
CCP-QP-029	12. Describe the purpose of the corrective action report (CAR) process.	Keegan Harris 9-5-13
	13. State the person responsible for originating a CAR.	Keegan Harris 9-5-13
	14. Describe how corrective actions are documented.	Keegan Harris 9-5-13
	15. State who has the responsibility to validate the CAR once initiated.	Keegan Harris 9-5-13
	16. Describe actions personnel may take when conditions adverse to quality are discovered.	Keegan Harris 9-5-13

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Byron Gelderman

CCP-QP-008	17. List the responsibilities of record generators.	Keegan Kavis 9-5-13
	18. State the storage and control requirements for records.	Keegan Kavis 9-5-13
	19. Explain the process and proper method to make corrections or revisions to records.	Keegan Kavis 9-5-13
CCP-QP-010	20. State the importance of using approved documents.	Keegan Kavis 9-5-13
	21. State when to verify a document revision.	Keegan Kavis 9-5-13
CCP-TP-053/ CCP-RTR-101 Briefing	22. Explain the purpose of RTR.	Keegan Kavis 9-12-13
	23. State the required information on the video/audio recording media labels.	Keegan Kavis 9-12-13
	24. Explain when the image test pattern/lines-pairs resolution test and checking the audio recording must be performed.	Keegan Kavis 9-12-13
	25. State the passing requirements for the lines-pair resolution test.	Keegan Kavis 9-12-13
	26. Describe the unit of measurement for weights to be recorded for RTR.	Keegan Kavis 9-12-13
	27. Describe where to obtain the tare weight of a waste container.	Keegan Kavis 9-12-13
	28. Describe where to obtain the gross weight of a waste container.	Keegan Kavis 9-12-13
	29. Describe how to determine the Volume Utilization Percentage (VUP).	Keegan Kavis 9-12-13
	30. Define the increments in which the fill percent are recorded.	Keegan Kavis 9-12-13
	31. State the percentage of the container volume that must be examined.	Keegan Kavis 9-12-13
	32. State the waste material parameters (WMP).	Keegan Kavis 9-12-13
	33. Define "layers of confinement".	Keegan Kavis 9-12-13

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Byron Gelderman

	34. Describe acceptable liquids.	Georgia Davis 9-12-13
	35. State the total volume of acceptable liquid that must not be exceeded in the characterized container.	Georgia Davis 9-12-13
	36. Describe the actions taken if prohibited items are found.	Georgia Davis 9-12-13
	37. Describe the information that should be recorded when describing waste items.	Georgia Davis 9-12-13
	38. Discuss the requirements for packaging of sharp or heavy objects.	Georgia Davis 9-12-13
	39. State when an unvented, unpunctured, internal container is allowed.	Georgia Davis 9-12-13
	40. State the number of waste containers allowed per Batch Data Report (BDR).	Georgia Davis 9-12-13
	41. State when the replicate scan occurs and who performs it.	Georgia Davis 9-12-13
	42. State when the independent observation occurs and who performs it.	Georgia Davis 9-12-13
	43. State the responsibilities and function of the Independent Technical Reviewer (ITR).	Georgia Davis 9-12-13
	44. Explain who is allowed to make data changes on data sheets.	Georgia Davis 9-12-13
	45. Describe what constitutes a data affecting change.	Georgia Davis 9-12-13
Formal Training	**OJT Practical Requirements** *(Always Required)*	**SME/OJT Signature/Date**
CCP-TP-053	1. Perform image test pattern/lines-pair resolution test.	Georgia Davis 8-26-13
	2. Perform an RTR examination.	Georgia Davis 8-26-13
	3. Determine the VUP.	Georgia Davis 9-3-13
	4. Determine layers of confinement.	Georgia Davis 9-3-13
	5. Determine WMP.	Georgia Davis 9-3-13

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Byron Gelderman

	6. Estimate weight of each WMP.	Hoagdin Kavis 9-3-13
	7. Verify the physical form of the waste matches the waste description.	Hoagdin Kavis 9-3-13
	8. Complete an RTR data sheet.	Hoagdin Kavis 9-3-13
	9. Perform an independent observation.	Hoagdin Kavis 9-3-13
	10. Assemble a Batch Data Report (BDR).	Hoagdin Kavis 9-3-13
	11. Complete an ITR review.	Hoagdin Kavis 9-5-13
	12. Demonstrate how to make changes/corrections to a BDR.	Hoagdin Kavis 9-5-13

Real-Time Radiography (RTR) Operator/Independent Technical Reviewer (ITR) Qualification Card

Name: Byron Gelderman

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RTR Operator/ITR.	Byron Gelderman 9-16-13 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RTR Operator/ITR. *(Validation by the SME/OJT instructor(s) involved in the training of this individual).*	Georgia N. Vallis GNVallis 9-16-13 SME/OJT Instructor *(printed name and signature)* Date NA SME/OJT Instructor *(printed name and signature)* Date
I have evaluated the training documentation and determined this individual meets the requirements for certification as an RTR Operator/ITR.	Andrew O. Stallings 9/26/13 Cognizant Engineer *(printed name and signature)* Date
I approve this employee to perform the duties of a RTR Operator/ITR.	Richard Kantrowitz 9/26/13 SPM *(printed name and signature)* Date

Approved for Content & Format:	**Kenneth Dale Simpson *(Approval on File)***	**06/06/2013**
	SME/OJT	Date
Approved for Applicability, Content & Format:	**Andrew Stallings *(Approval on File)***	**06/06/2013**
	Cognizant Engineer	Date
Approved for Content:	**Richard Kantrowitz *(Approval on File)***	**06/06/2013**
	SPM	Date
Approved for Applicability, Content, Format, & Use:	**A.J. Fisher *(Approval on File)***	**06/06/2013**
	Manager Responsible for Training	Date

DIVIDER PAGE

COPY

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire	Badge Number: [redacted]
Email Address: [redacted]	

Education/Experience

Resume documenting education on file with Central Characterization Project (CCP) Training.	CCP Training	Date: 2/1/12

National Standard Requirements

SNT-TC-1A Requirements	1. Certificate from an approved vendor stating the individual operator is a qualified Real-Time Radiography (RTR) operator Level II SNT-TC-1A. *(Required every three (3) years minimum)*	CCP Training	Date: 2/1/12
	2. Eye Examination: *(Annual requirement)* Jaeger Test (J-2) Date: 1/23/12 Color Vision or Gray Scale Test Date: 1/23/12	CCP Training	Date: 2/1/12

Job Specific Training

	BM 2/1/12 ☒ Initial Qualification	☒ BM 2/1/12 Requalification
Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.	
Requalification Requirements	Items required for requalification are identified by text.	

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire | **Badge Number:** [redacted]

Email Address: [redacted]

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (TRAMPAC)*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-004, *CCP Corrective Action Management*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-006, *CCP Corrective Action Reporting and Control*
10. CCP-QP-008, *CCP Records Management*
11. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
12. CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.

John Brookshire John Brookshire 1/9/12
Trainee — Date

Document	Additional Training Requirements		
CCP-PO-001	1. WAP/QAPjP Briefing and Test. *(One-time requirement)*	CCP Training	2/1/12 Date
CCP-RTR-101	2. Real-Time Radiography (RTR) TRU Waste Characterization Briefing. *(Required at qualification and at each requalification)*	CCP Training	2/1/12 am 2/1/12 4/3/12 Date
CCP-PO-002	3. RTR Comprehensive Exam (score 80% or higher), administered by CCP Training. *(To be administered at each requalification)*	CCP Training	2/1/12 Date
CCP-QP-002	4. Test Drum (WAC): *(Required at qualification and at each requalification)*	CCP Training	2/1/12 RS 2/1/12 4/3/12 Date
CCP-QP-002	5. Training Container[1]: *(Required at qualification, bi-annually, and at each requalification)*	CCP Training	2/1/12 am 2/1/12 4/3/12 Date

[1] The Training Container meets the requirements of the Test Drum defined in the WCPIP.

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire **Badge Number:** [redacted]

Email Address: [redacted]

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at initial qualification, or in the event of requalification after disqualification only.)*	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. List the Quality Assurance Objectives (QAOs) validated by RTR.	Kevin Sipsey 1-30-12
CCP-PO-001	2. List the Data Quality Objectives (DQOs) of RTR.	Kevin Sipsey 1-30-12
CCP-QP-002	3. State the purpose of the List of Qualified Individuals (LOQI).	Kevin Sipsey 1-30-12
	4. State the requirements for performing the Test demonstration.	Kevin Sipsey 1-30-12
	5. State the requirements for performing the Training Demonstration.	Kevin Sipsey 1-30-12
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	Kevin Sipsey 1-30-12
	7. Describe how nonconforming items are documented.	Kevin Sipsey 1-30-12
	8. Describe how nonconforming items are controlled to prevent their use.	Kevin Sipsey 1-30-12
	9. State who has the responsibility to validate the NCR once initiated.	Kevin Sipsey 1-30-12
	10. Describe how to revise an NCR.	Kevin Sipsey 1-30-12
	11. Describe how to void an NCR.	Kevin Sipsey 1-30-12
CCP-QP-006	12. Describe the purpose of the corrective action report (CAR) process.	Kevin Sipsey 1-30-12
	13. State the person responsible for originating a CAR.	Kevin Sipsey 1-30-12
	14. Describe how corrective actions are documented.	Kevin Sipsey 1-30-12
	15. State who has the responsibility to validate the CAR once initiated.	Kevin Sipsey 1-30-12
	16. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	Kevin Sipsey 1-30-12
CCP-QP-008	17. List the responsibilities of record generators.	Kevin Sipsey 1-30-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire | **Badge Number:** [redacted]

Email Address: [redacted]

CCP-QP-010	18. State the storage and control requirements for CCP records.	Ken Spise 1-30-12
	19. Explain the process and proper method to make corrections or revisions to CCP records.	Ken Spise 1-30-12
	20. State the importance of using approved documents.	Ken Spise 1-30-12
	21. State when to verify a document revision.	Ken Spise 1-30-12
CCP-TP-053/ CCP-RTR-101 Briefing	22. Explain the purpose of RTR.	Ken Spise 1-30-12
	23. State the required information on the video/audio recording media labels.	Ken Spise 1-30-12
	24. Explain when the image test pattern/lines-pairs resolution test and checking the audio recording must be performed.	Ken Spise 1-30-12
	25. State the passing requirements for the lines-pair resolution test.	Ken Spise 1-30-12
	26. Describe the unit of measurement for weights to be recorded for RTR.	Ken Spise 1-30-12
	27. Describe where to obtain the tare weight of a waste container.	Ken Spise 1-30-12
	28. Describe where to obtain the gross weight of a waste container.	Ken Spise 1-30-12
	29. Describe how to determine the Volume Utilization Percentage (VUP).	Ken Spise 1-30-12
	30. Define the increments in which the fill percent are recorded.	Ken Spise 1-30-12
	31. State the percentage of the container volume that must be examined.	Ken Spise 1-30-12
	32. State the waste material parameters (WMP).	Ken Spise 1-30-12
	33. Define "layers of confinement".	Ken Spise 1-30-12
	34. Describe acceptable liquids.	Ken Spise 1-30-12
	35. State the total volume of acceptable liquid that must not be exceeded in the characterized container	Ken Spise 1-30-12
	36. Describe the actions taken if prohibited items are found.	Ken Spise 1-30-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire **Badge Number:** [redacted]

Email Address: [redacted]

	37. Describe the information that should be recorded when describing waste items.	[signature] 1-30-12
	38. Discuss the requirements for packaging of sharp or heavy objects.	[signature] 1-30-12
	39. State when an unvented, unpunctured, internal container is allowed.	[signature] 1-30-12
	40. State the number of waste containers allowed per Batch Data Report (BDR).	[signature] 1-30-12
	41. State when the replicate scan occurs and who performs it.	[signature] 1-30-12
	42. State when the independent observation occurs and who performs it.	[signature] 1-30-12
	43. State the responsibilities and function of the Independent Technical Reviewer (ITR).	[signature] 1-30-12
	44. Explain who is allowed to make data changes on data sheets.	[signature] 1-30-12
	45. Describe what constitutes a data affecting change.	[signature] 1-30-12
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME Signature/Date**
CCP-TP-053	1. Perform image test pattern/lines-pair resolution test. SRSRTR0551	[signature] 1-31-12
	2. Perform an RTR examination. SRSRTR0550	[signature] 1-30-12
	3. Determine the VUP. SRSRTR0550	[signature] 1-30-12
	4. Determine layers of confinement. SRSRTR0550	[signature] 1-30-12
	5. Determine WMP. SRSRTR0550	[signature] 1-30-12
	6. Estimate weight of each WMP. SRSRTR0550	[signature] 1-30-12
	7. Verify the physical form of the waste matches the waste description. SRSRTR0550	[signature] 1-30-12
	8. Complete an RTR data sheet. SRSRTR0550	[signature] 1-30-12
	9. Perform an independent observation. SRSRTR0550	[signature] 1-30-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire	Badge Number: [redacted]
Email Address: [redacted]	

	10. Assemble a Batch Data Report (BDR).	1-30-12
	11. Complete an ITR review. SR4RTR0231	1-31-12
	12. Demonstrate how to make changes/corrections to a BDR.	1-30-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire | **Badge Number:** [redacted]

Email Address: [redacted]

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RTR Operator/ITR.	John Brookshire 1-31-12 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RTR Operator/ITR. *(Signature validation by the SME/OJT instructor(s) involved in the training of this individual)*	Andrea Huff 1-31-12 SME/OJT Instructor *(printed name and signature)* Date Kenneth Simpson 1-31-12 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RTR Operator/ITR.	BSSchrock 2/1/12 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Steve Ewing (Approval on file)** **3/22/2011**
RTR SME/OJT *(printed name and signature)* Date

Approved for Content & Format: **Larry Porter (Approval on file)** **3/22/2011**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Richard Kantrowitz (Approval on file)** **3/22/2011**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **AJ Fisher (Approval on file)** **3/22/2011**
CCP Manager Responsible for Training *(printed name and signature)* Date

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: John Brookshire **Badge Number:** [redacted]

Email Address: [redacted]

Site: Savannah River Site (SRS)

List of Applicable Waste Streams *(based on applicable Acceptable Knowledge Reports read)*:*

SR-W027-221F-HET-A, SR-W027-FB-Probe-C	SR-W026-221F-HET, SR-W026-221F-HOM
SR-W026-221F-HEPA, SR-W026-221F-HET-A	SR-W027-221H-HET, SR-W027-221H-HEPA
SR-W027-HBL-BOX, SR-W027-221H-HET-C	SR-W027-221H-HET-D, SR-W027-221H-HOM
SR-W026-772F-HET, SR-W027-235F-HET	SR-W027-235F-HOM, SR-W027-235F-HEPA
SR-W027-773A-HET, SR-W027-773A-HOM	SR-MD-HET, SR-MD-SOIL
SR-MD-HOM-A, SR-MD-HOM-C	SR-MD-PAD1, SR-LA-PAD1
SR-AGNS-HET, SR-AGNS-HOM	SR-SWMF-HET-A, SR-SDD-HOM-A
SR-SDD-HOM-B, SR-DWPF-HET	SR-W027-321-322M-HET
SR-BCLDP-HET, SR-221H-PuOx	SR-W027-321M-HOM
N A JAB 1-31-12	N A JAB 1-31-12

**For use with Initial and Additional Sites. (To be completed for each site the trainee is qualifying)*

I have read the applicable Acceptable Knowledge Reports for this site. I understand my responsibilities regarding the waste streams listed above.

John Brookshire John Brookshire 1-30-12

Trainee *(printed name and signature)* Date

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PAGE

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Central Characterization Project Effective Date: 3/22/2011	RTR-02, Rev. 0 Page 1 of 8

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis	Badge Number: [redacted]
Email Address: [redacted]	

Education/Experience

Resume documenting education on file with Central Characterization Project (CCP) Training.	CCP Training 2/6/12 Date

National Standard Requirements

SNT-TC-1A Requirements	1. Certificate from an approved vendor stating the individual operator is a qualified Real-Time Radiography (RTR) operator Level II SNT-TC-1A. *(Required every three (3) years minimum)*	CCP Training 2/20/12 Date
	2. Eye Examination: *(Annual requirement)* Jaeger Test (J-2) Date: 2/15/12 Color Vision or Gray Scale Test Date: 2/15/12	CCP Training 2/15/12 Date

Job Specific Training

☑ Initial Qualification ☐ Requalification

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis	**Badge Number:** [redacted]
Email Address: [redacted]	

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (TRAMPAC)*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-004, *CCP Corrective Action Management*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-006, *CCP Corrective Action Reporting and Control*
10. CCP-QP-008, *CCP Records Management*
11. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
12. CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	Georgia N. Kareis Georgia N. Kareis 1/30/12 Trainee Date

Document	Additional Training Requirements	
CCP-PO-001	1. WAP/QAPjP Briefing and Test. *(One-time requirement)*	2/6/12 CCP Training Date
CCP-RTR-101	2. Real-Time Radiography (RTR) TRU Waste Characterization Briefing. *(Required at qualification and at each requalification)*	2/6/12 CCP Training Date
CCP-PO-002	3. RTR Comprehensive Exam (score 80% or higher), administered by CCP Training. *(To be administered at each requalification)*	2/6/12 CCP Training Date
CCP-QP-002	4. Test Drum (WAC): *(Required at qualification and at each requalification)*	2/6/12 CCP Training Date
CCP-QP-002	5. Training Container[1]: *(Required at qualification, bi-annually, and at each requalification)*	2/20/12 CCP Training Date

[1] The Training Container meets the requirements of the Test Drum defined in the WCPIP.

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis **Badge Number:** [redacted]

Email Address: [redacted]

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at initial qualification, or in the event of requalification after disqualification only.)*	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. List the Quality Assurance Objectives (QAOs) validated by RTR.	K Spsa 1-31-12
CCP-PO-001	2. List the Data Quality Objectives (DQOs) of RTR.	K Spsa 1-31-12
CCP-QP-002	3. State the purpose of the List of Qualified Individuals (LOQI).	K Spsa 1-31-12
	4. State the requirements for performing the Test demonstration.	K Spsa 1-31-12
	5. State the requirements for performing the Training Demonstration.	K Spsa 1-31-12
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	K Spsa 1-31-12
	7. Describe how nonconforming items are documented.	K Spsa 1-31-12
	8. Describe how nonconforming items are controlled to prevent their use.	K Spsa 1-31-12
	9. State who has the responsibility to validate the NCR once initiated.	K Spsa 1-31-12
	10. Describe how to revise an NCR.	K Spsa 1-31-12
	11. Describe how to void an NCR.	K Spsa 1-31-12
CCP-QP-006	12. Describe the purpose of the corrective action report (CAR) process.	K Spsa 1-31-12
	13. State the person responsible for originating a CAR.	K Spsa 1-31-12
	14. Describe how corrective actions are documented.	K Spsa 1-31-12
	15. State who has the responsibility to validate the CAR once initiated.	K Spsa 1-31-12
	16. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	K Spsa 1-31-12
CCP-QP-008	17. List the responsibilities of record generators.	K Spsa 1-31-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis **Badge Number:** [redacted]

Email Address: [redacted]

CCP-QP-010	18. State the storage and control requirements for CCP records.	K Sipe 1-31-12
	19. Explain the process and proper method to make corrections or revisions to CCP records.	K Sipe 1-31-12
	20. State the importance of using approved documents.	K Sipe 1-31-12
	21. State when to verify a document revision.	K Sipe 1-31-12
CCP-TP-053/ CCP-RTR-101 Briefing	22. Explain the purpose of RTR.	K Sipe 1-31-12
	23. State the required information on the video/audio recording media labels.	K Sipe 1-31-12
	24. Explain when the image test pattern/lines-pairs resolution test and checking the audio recording must be performed.	K Sipe 1-31-12
	25. State the passing requirements for the lines-pair resolution test.	K Sipe 1-31-12
	26. Describe the unit of measurement for weights to be recorded for RTR.	K Sipe 1-31-12
	27. Describe where to obtain the tare weight of a waste container.	K Sipe 1-31-12
	28. Describe where to obtain the gross weight of a waste container.	K Sipe 1-31-12
	29. Describe how to determine the Volume Utilization Percentage (VUP).	K Sipe 1-31-12
	30. Define the increments in which the fill percent are recorded.	K Sipe 1-31-12
	31. State the percentage of the container volume that must be examined.	K Sipe 1-31-12
	32. State the waste material parameters (WMP).	K Sipe 1-31-12
	33. Define "layers of confinement".	K Sipe 1-31-12
	34. Describe acceptable liquids.	K Sipe 1-31-12
	35. State the total volume of acceptable liquid that must not be exceeded in the characterized container.	K Sipe 1-31-12
	36. Describe the actions taken if prohibited items are found.	K Sipe 1-31-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis **Badge Number:** [redacted]
Email Address: [redacted]

	37. Describe the information that should be recorded when describing waste items.	K Sipe 1-31-12
	38. Discuss the requirements for packaging of sharp or heavy objects.	K Sipe 1-31-12
	39. State when an unvented, unpunctured, internal container is allowed.	K Sipe 1-31-12
	40. State the number of waste containers allowed per Batch Data Report (BDR).	K Sipe 1-31-12
	41. State when the replicate scan occurs and who performs it.	K Sipe 1-31-12
	42. State when the independent observation occurs and who performs it.	K Sipe 1-31-12
	43. State the responsibilities and function of the Independent Technical Reviewer (ITR).	K Sipe 1-31-12
	44. Explain who is allowed to make data changes on data sheets.	K Sipe 1-31-12
	45. Describe what constitutes a data affecting change.	K Sipe 1-31-12
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME Signature/Date**
CCP-TP-053	1. Perform image test pattern/lines-pair resolution test.	Andrea Yuhl ~~1-31-12~~ ~~2-1-12~~ 2-2-12
	2. Perform an RTR examination.	Andrea Yuhl 1-31-12
	3. Determine the VUP.	Andrea Yuhl 1-31-12
	4. Determine layers of confinement.	Andrea Yuhl 1-31-12
	5. Determine WMP.	Andrea Yuhl 1-31-12
	6. Estimate weight of each WMP.	Andrea Yuhl 1-31-12
	7. Verify the physical form of the waste matches the waste description.	Andrea Yuhl 1-31-12
	8. Complete an RTR data sheet.	Andrea Yuhl 1-31-12
	9. Perform an independent observation.	Andrea Yuhl 2-2-12

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis	**Badge Number:** [redacted]
Email Address: [redacted]	

	10. Assemble a Batch Data Report (BDR).	2-2-12
	11. Complete an ITR review.	2-2-12
	12. Demonstrate how to make changes/corrections to a BDR.	1-31-12

Real-Time Radiography (RTR) Operator/Independent Technical Reviewer (ITR) Qualification Card

Name: Georgia Kareis	**Badge Number:** [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RTR Operator/ITR.	Georgia N. Kareis Georgia N. Kareis 2/6/12 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RTR Operator/ITR. *(Signature validation by the SME/OJT instructor(s) involved in the training of this individual).*	Andrea Huff 2-6-12 SME/OJT Instructor *(printed name and signature)* Date Kenneth Simpson 2-6-12 SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RTR Operator/ITR.	Beverly S Schrock BSSchrock 2/20/12 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Steve Ewing (Approval on file)** **3/22/2011**
RTR SME/OJT *(printed name and signature)* Date

Approved for Content & Format: **Larry Porter (Approval on file)** **3/22/2011**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Richard Kantrowitz (Approval on file)** **3/22/2011**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **AJ Fisher (Approval on file)** **3/22/2011**
CCP Manager Responsible for Training *(printed name and signature)* Date

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis	**Badge Number:** [redacted]
Email Address: [redacted]	

Site: SRS

List of Applicable Waste Streams ***(based on applicable Acceptable Knowledge Reports read)*:***	
SR-W027-221F-HET-A	SR-W026-772F-HET
SR-W027-FB-Pre86-C	SR-W027-235F-HET
SR-W026-221F-HET	SR-W027-235F-HOM
SR-W026-221F-HOM	SR-W027-235F-HEPA
SR-W026-221F-HEPA	SR-W027-773A-HET
SR-W026-221F-HET-A	SR-W027-773A-HOM
SR-W027-221H-HET	SR-MD-HET
SR-W027-221H-HEPA	SR-MD-SOIL
SR-W027-HBL-BOX	SR-MD-HOM-A
SR-W027-221H-HET-C	SR-MD-HOM-C
SR-W027-221H-HET-D	SR-MD-PAD1
SR-W027-221H-HOM	SR-LA-PAD1

**For use with Initial and Additional Sites. (To be completed for each site the trainee is qualifying)*

I have read the applicable Acceptable Knowledge Reports for this site. I understand my responsibilities regarding the waste streams listed above.

Georgia N. Kareis Georgia N. Kareis 2/6/12
Trainee *(printed name and signature)* Date

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Georgia Kareis	Badge Number: [redacted]
Email Address: [redacted]	

Site: SRS

List of Applicable Waste Streams *(based on applicable Acceptable Knowledge Reports read)*:*
SR-AGNS-HET
SR-AGNS-Hom
SR-SWMF-HET-A
SR-SDD-Hom-A
SR-SDD-Hom-B
SR-W027-321-322M-HET
SR-W027-321M-Hom
SR-DWPF-HET
SR-BCLDP-HET
SR-221H-PuOx
A
N

N/A

*For use with Initial and Additional Sites. (To be completed for each site the trainee is qualifying)

I have read the applicable Acceptable Knowledge Reports for this site. I understand my responsibilities regarding the waste streams listed above.

Georgia N. Kareis Georgia N. Kareis 2/6/12
Trainee *(printed name and signature)* Date

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Central Characterization Project Effective Date: 3/22/2011	RTR-02, Rev. 0 Page 1 of 8

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

Education/Experience

Resume documenting education on file with Central Characterization Project (CCP) Training.	CCP Training	Date: 6/27/11

National Standard Requirements

SNT-TC-1A Requirements	1. Certificate from an approved vendor stating the individual operator is a qualified Real-Time Radiography (RTR) operator Level II SNT-TC-1A. *(Required every three (3) years minimum)*	CCP Training: Michael B. Nett Date: 7/13/11
	2. Eye Examination: *(Annual requirement)* Jaeger Test (J-2) Date: 4/28/11 Color Vision or Gray Scale Test Date: 4/28/11	CCP Training: Date: 6/27/11

Job Specific Training

☒ Initial Qualification ☐ Requalification

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager Responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

ORIGINAL

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (TRAMPAC)*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-004, *CCP Corrective Action Management*
8. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
9. CCP-QP-006, *CCP Corrective Action Reporting and Control*
10. CCP-QP-008, *CCP Records Management*
11. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
12. CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.

Trainee — Date: 4-27-11

Document	Additional Training Requirements	CCP Training	Date
CCP-PO-001	1. WAP/QAPjP Briefing and Test. *(One-time requirement)*		6/27/11
CCP-RTR-101	2. Real-Time Radiography (RTR) TRU Waste Characterization Briefing. *(Required at qualification and at each requalification)*		6/27/11
CCP-PO-002	3. RTR Comprehensive Exam (score 80% or higher), administered by CCP Training. *(To be administered at each requalification)*		6/27/11
CCP-QP-002	4. Test Drum (WAC): NDE-TEST-08 *(Required at qualification and at each requalification)*		6/27/11
CCP-QP-002	5. Training Container[1]: NDE-Training-06 *(Required at qualification, bi-annually, and at each requalification)*	Michele Bullett	7/12/11

[1] The Training Container meets the requirements of the Test Drum defined in the WCPIP.

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at initial qualification, or in the event of requalification after disqualification only.)*	Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. List the Quality Assurance Objectives (QAOs) validated by RTR.	4-27-11
CCP-PO-001	2. List the Data Quality Objectives (DQOs) of RTR.	4-27-11
CCP-QP-002	3. State the purpose of the List of Qualified Individuals (LOQI).	4-27-11
	4. State the requirements for performing the Test demonstration.	4-27-11
	5. State the requirements for performing the Training Demonstration.	4-27-11
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	4-27-11
	7. Describe how nonconforming items are documented.	4-27-11
	8. Describe how nonconforming items are controlled to prevent their use.	4-27-11
	9. State who has the responsibility to validate the NCR once initiated.	4-27-11
	10. Describe how to revise an NCR.	4-27-11
	11. Describe how to void an NCR.	4-27-11
CCP-QP-006	12. Describe the purpose of the corrective action report (CAR) process.	4-27-11
	13. State the person responsible for originating a CAR.	4-27-11
	14. Describe how corrective actions are documented.	4-27-11
	15. State who has the responsibility to validate the CAR once initiated.	4-27-11
	16. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	4-27-11
CCP-QP-008	17. List the responsibilities of record generators.	4-27-11

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

CCP-QP-010	18. State the storage and control requirements for CCP records.	4-27-11
	19. Explain the process and proper method to make corrections or revisions to CCP records.	4-27-11
	20. State the importance of using approved documents.	4-27-11
	21. State when to verify a document revision.	4-27-11
CCP-TP-053/ CCP-RTR-101 Briefing	22. Explain the purpose of RTR.	4-27-11
	23. State the required information on the video/audio recording media labels.	4-27-11
	24. Explain when the image test pattern/lines-pairs resolution test and checking the audio recording must be performed.	4-27-11
	25. State the passing requirements for the lines-pair resolution test.	4-27-11
	26. Describe the unit of measurement for weights to be recorded for RTR.	4-27-11
	27. Describe where to obtain the tare weight of a waste container.	4-27-11
	28. Describe where to obtain the gross weight of a waste container.	4-27-11
	29. Describe how to determine the Volume Utilization Percentage (VUP).	4-27-11
	30. Define the increments in which the fill percent are recorded.	4-27-11
	31. State the percentage of the container volume that must be examined.	4-27-11
	32. State the waste material parameters (WMP).	4-27-11
	33. Define "layers of confinement".	4-27-11
	34. Describe acceptable liquids.	4-27-11
	35. State the total volume of acceptable liquid that must not be exceeded in the characterized container.	4-27-11
	36. Describe the actions taken if prohibited items are found.	4-27-11

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

	37. Describe the information that should be recorded when describing waste items.	4-27-11
	38. Discuss the requirements for packaging of sharp or heavy objects.	4-27-11
	39. State when an unvented, unpunctured, internal container is allowed.	4-27-11
	40. State the number of waste containers allowed per Batch Data Report (BDR).	4-27-11
	41. State when the replicate scan occurs and who performs it.	4-27-11
	42. State when the independent observation occurs and who performs it.	4-27-11
	43. State the responsibilities and function of the Independent Technical Reviewer (ITR).	4-27-11
	44. Explain who is allowed to make data changes on data sheets.	4-27-11
	45. Describe what constitutes a data affecting change.	4-27-11
Formal Training	**OJT Practical Requirements** *(Required at initial qualification and at requalification)*	**SME Signature/Date**
CCP-TP-053	1. Perform image test pattern/lines-pair resolution test.	6-7-11
	2. Perform an RTR examination.	5-18-11
	3. Determine the VUP.	5-18-11
	4. Determine layers of confinement.	5-18-11
	5. Determine WMP.	5-18-11
	6. Estimate weight of each WMP.	5-18-11
	7. Verify the physical form of the waste matches the waste description.	5-18-11
	8. Complete an RTR data sheet.	5-18-11
	9. Perform an independent observation.	5-18-11 4-27-11

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond	Badge Number: [redacted]
Email Address: [redacted]	

	10. Assemble a Batch Data Report (BDR).	5-18-11
	11. Complete an ITR review.	4-27-11
	12. Demonstrate how to make changes/corrections to a BDR.	5-18-11

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RTR Operator/ITR.	RS Redmond 6-27-11 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RTR Operator/ITR. *(Signature validation by the SME/OJT instructor(s) involved in the training of this individual).*	David A. McCa 6-28-11 SME/OJT Instructor *(printed name and signature)* Date
	N/A SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RTR Operator/ITR.	LAURA NELSON Laura Nelson 7/13/2011 CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Content & Format: **Steve Ewing (Approval on file)** **3/22/2011**
RTR SME/OJT *(printed name and signature)* Date

Approved for Content & Format: **Larry Porter (Approval on file)** **3/22/2011**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Richard Kantrowitz (Approval on file)** **3/22/2011**
CCP Lead or Alternate SPM *(printed name and signature)* Date

Approved for Use: **AJ Fisher (Approval on file)** **3/22/2011**
CCP Manager Responsible for Training *(printed name and signature)* Date

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond **Badge Number:** [redacted]

Email Address: [redacted]

Site: SRS

List of Applicable Waste Streams *(based on applicable Acceptable Knowledge Reports read):**	
SR-W027-221F-Het-A (AK1)	SR-W027-235F-HET (AK6)
SR-W027-FB-PRE86-C (AK2)	SR-W027-235F-HOM (AK6)
SR-W026-221F-HET (AK3)	SR-W027-235F-HEPA (AK6)
SR-W026-221F-HOM (AK3)	SR-W027-773A-HET (AK7)
SR-W026-221F-HEPA (AK3)	SR-MD-HET (AK8)
SR-W026-221F-HET-A (AK3)	SR-MD-SOIL (AK8)
SR-W027-221H-HET (AK4)	SR-MD-HOM-A (AK8)
SR-W027-221H-HEPA (AK4)	SR-MD-HOM-B (AK8)
SR-W027-HBL-BOX (AK4)	SR-MD-HOM-C (AK8)
SR-W027-221H-HET-C (AK4)	SR-MD-PAD1 (AK9)
SR-W027-221H-HET-D (AK4)	SR-LA-PAD1 (AK10)
SR-W026-772F-HET (AK5)	SR-AGNS-HET (AK11)

**For use with Initial and Additional Sites. (To be completed for each site the trainee is qualifying)*

I have read the applicable Acceptable Knowledge Reports for this site. I understand my responsibilities regarding the waste streams listed above.

Robert S. Redmond 6-7-11

Trainee *(printed name and signature)* Date

4
6-7-11

Real-Time Radiography (RTR)
Operator/Independent Technical Reviewer (ITR)
Qualification Card

Name: Robert Steve Redmond	Badge Number: [redacted]
Email Address: [redacted]	

Site: SRS

List of Applicable Waste Streams *(based on applicable Acceptable Knowledge Reports read)*:*	
SR-AGNS-HOM (AK11)	N/A
SR-SWMF-HET-A (AK12)	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

**For use with Initial and Additional Sites. (To be completed for each site the trainee is qualifying)*

I have read the applicable Acceptable Knowledge Reports for this site. I understand my responsibilities regarding the waste streams listed above.

Robert S. Redmond 6-7-11
Trainee *(printed name and signature)* Date

DIVIDER PAGE

CCP - Savannah River Site (SRS)
List of Qualified Individuals
11/1/2013 11:37 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Adams, James	Operator/ITR **SME/OJT** Expert	10/2015	05/21/14
	Davis, Will	Operator/ITR	11/2014	01/14/14
	Harley, Anthony	Operator/ITR **SME/OJT**	09/2015	Cannot perform operations until site training is complete.
	Kinard, Stacy	Operator/ITR	04/2014	03/04/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA NABC	Brashears, J. Blake	Operator/ITR **SME/OJT** NCR "K" Code Designee	02/2015	03/20/14
	Carlton, Tim	Operator/ITR NCR "K" Code Designee	12/2014	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Crosby, Daniel	Operator/ITR	08/2015	Cannot perform operations until site training is complete.
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Morales, Bart	Expert Analyst	N/A	N/A
	Remington, Daniel	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator/ITR	08/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2015	01/31/14
	Wachter, Joe	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

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CCP - Savannah River Site (SRS)
List of Qualified Individuals
11/1/2013 11:37 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John*	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	12/04/13
	Kareis, Georgia*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	12/04/13
	Simpson, Kenneth Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 04/2015 SNT-TC-1A – 02/27/2016 Training Cont. – 04/2014	Cannot perform operations until site training is complete.

***Site qualified to operate the LCNDE.**

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	De Bruyn Kops, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	Cannot perform operations until site training is complete.
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2013	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR NCR "K" Code Designee	08/2015	Cannot perform operations until site training is complete.
	Poirier, Joe	Operator/ITR	02/2014	Cannot perform operations until site training is complete.

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-W027-221F-Het-A	SR-W027-FB-Pre86-C	SR-W026-221F-HEPA	SR-W026-221F-HET	SR-W026-221F-HET-A	SR-W026-221F-HOM	SR-W027-221H-HEPA	SR-W027-221H-HET	SR-W027-221H-HET-C	SR-W027-221H-HET-D	SR-W027-221H-HOM	SR-W027-HBL-BOX	SR-W026-772F-HET	SR-W027-235F-HEPA	SR-W027-235F-HET	SR-W027-235F-HOM	SR-W027-773A-HET	SR-W027-773A-HOM
		AK-1	AK-2	AK-3				AK-4						AK-5	AK-6			AK-7	
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony	X	X											X	X	X	X	X	X
	Kinard, Stacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-MD-HET	SR-MD-HOM-A	SR-MD-HOM-C	SR-MD-SOIL	SR-MD-PAD1	SR-LA-PAD1	SR-AGNS-HET	SR-AGNS-HOM	SR-SWMF-HET-A	SR-SWMF-HET-B	SR-SDD-HET-A	SR-SDD-HOM-A	SR-SDD-HOM-B	SR-W027-321-322M-HET	SR-W027-321M-HOM	SR-DWPF-HET	SR-NIST-HET	SR-KAC-HET	SR-KAC-HET-A
		AK-8				AK-9	AK-10	AK-11		AK-12		AK-13			AK-14		AK-15	AK-16	AK-18	
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony					X						X	X	X	X	X	X	X		
	Kinard, Stacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

11/1/2013 11:37 AM

		SR-BCLDP-HET	SR-HBL-235F-HET	SR-221H-PuOx	SR-BCLDP.003.001	SR-BCLDP.004.004
		AK-19	**AK-20**	**AK-21**	**AK-530**	**AK-540**
RTR	Brookshire, John	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X
	Simpson, Dale	X	X		X	X
VE	Adams, James	X	X	X	X	X
	Davis, Will	X	X	X	X	X
	Harley, Anthony	X			X	X
	Kinard, Stacy	X		X	X	X

DIVIDER PAGE

CCP - RH Program - SRS
List of Qualified Individuals
10/30/2013 11:14 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Harley, Anthony	Operator/ITR (Includes Gravimetric) **SME/OJT**	06/2015	Cannot perform operations until site training is complete.
	Mojica, Tommy	Operator/ITR (Includes Gravimetric) **SME/OJT** NCR "K" Code Designee	07/2015	Cannot perform operations until site training is complete.
	Pattee, Spencer Troy	Operator/ITR (Includes Gravimetric) Expert **SME/OJT** NCR "K" Code Designee	06/2015	Cannot perform operations until site training is complete.
	Root, Wes	Operator/ITR (Includes Gravimetric) **SME/OJT**	08/2015	Cannot perform operations until site training is complete.

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –09/05/2016 Training Cont. – 01/2014	01/21/14
	Gelderman, Byron	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 09/2014 Requal – 09/2015 SNT-TC-1A – 03/26/2016 Training Cont. – 03/2014	12/04/13
	Kareis, Georgia	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/2015 Training Cont. – 02/2014	12/04/13

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
DTC	Brashears, Blake	Operator/ITR NCR "K" Code Designee	06/2014	03/20/14
	Carlton, Tim	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	04/01/14
	Schneider, Mike	Operator/ITR	04/2015	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	04/2015	01/31/14
	Whitson, Ron	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2014	Cannot perform operations until site training is complete.

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CCP - RH Program - SRS
List of Qualified Individuals
10/30/2013 11:14 AM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	04/01/14
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	01/31/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	05/21/14
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT** NCR "K" Code Designee	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT** NCR "K" Code Designee	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	01/20/14
	Robinson, Jeremy	Operator/ITR **SME/OJT**	06/2014	Cannot perform operations until site training is complete.

RH SRS NDE Personnel Waste Streams Qualified List

10/30/2013 11:14 AM

		SR-RL-BCLDP.001	SR-RL-BCLDP.002	SR-BCLDP.001.001	SR-BCLDP.001.002	SR-BCLDP.002	SR-BCLDP.003	SR-BCLDP.004.002	SR-BCLDP.004.003	SR-RH-772F.01	SR-RH-235F.01	SR-RH-773A.01	SR-RH-FBL.01	SR-RH-FBL.02	SR-RH-221H.01	SR-RH-221H.02	SR-RH-MNDPAD1.01	SR-RH-SDD.01	SR-RH-SWD.01
		AK-500		AK-510		520	530	AK-540		550	560	570	AK-580		AK-600		620	630	640
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
VE	Harley, Anthony						X											X	
	Mojica, Tommy						X												
	Pattee, Spencer Troy						X											X	
	Root, Wes	X	X															X	

DIVIDER PAGE

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001/001
CCP RECORDS - SRS
01/23/2012 17 29 FAX 8032082595

CCP ATTENDANCE SHEET

COURSE NAME: CCP-AK-SRS-3, Revision 10 **DATE:** 1/23/12

LOCATION: Teleconference

	BADGE	NAME (PRINT NAME)	TITLE/POSITION	SIGNATURE
1.	E7934	Jones Adams	VEE	
2.	C7459	Natalia Johnson	VE	
3.	E5679	Will Davis	VE	
4.	G1940	Bryan Lashley	CCP Eng.	
5.	E7975	John Brookshire	RTR/NDE	
6.	F1826	R.S. Redmond	NDE/RTR	
7.	E7535	Byron Gobberman	NDE/RTR	
8.	R9056	Buddy Fussell	VPM	
9.	E7504	Andrea L Huff	NDE/RTR	
10.				
11.		N/A		
12.				

BSSchrock	BSSchrock	1/23/12
Instructor Name (Print)	Signature	Date

CCP - Savannah River Site (SRS)
List of Qualified Individuals
8/15/2013 4:13 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
VE	Adams, James	Operator/ITR **SME/OJT** Expert	10/2013	09/13/13
	Davis, Will	Operator/ITR	11/2014	09/19/13
	Harley, Anthony	Operator/ITR	09/2013	Cannot perform operations until site training is complete.
	Kinard, Stacy	Operator/ITR	04/2014	09/19/13

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA NABC	Brashears, J. Blake	Operator/ITR **SME/OJT** NCR "K" Code Designee	02/2015	03/20/14
	Carlton, Tim	Operator/ITR NCR "K" Code Designee	12/2014	10/17/13
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Chambers, Sheri	Expert Analyst NCR "K" Code Designee	N/A	N/A
	Crosby, Daniel	Operator/ITR	**08/2013**	04/17/14
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Morales, Bart	Expert Analyst	N/A	N/A
	Remington, Daniel	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator/ITR	**08/2013**	01/31/14
	Shepley, Todd	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2015	10/10/13
	Wachter, Joe	Expert Analyst	N/A	N/A

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
NDA ISOCS	Brashears, Blake	Operator NCR "K" Code Designee	05/2014	03/20/14
	Carlton, Tim	Operator **SME/OJT** NCR "K" Code Designee	06/2015	10/17/13
	Ceo, Robert (Bob)	Expert Analyst	N/A	N/A
	Gillespie, Bruce	Expert Analyst	N/A	N/A
	Schneider, Mike	Operator	03/2015	01/31/14
	Shepley, Todd	Operator **SME/OJT** NCR "K" Code Designee	06/2015	10/10/13

CCP - Savannah River Site (SRS)
List of Qualified Individuals
8/15/2013 4:13 PM

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
RTR	Brookshire, John*	Operator/ITR NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 02/2014 SNT-TC-1A –10/20/13 Training Cont. – 01/2014	09/16/13
	Gelderman, Byron*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 05/2014 Requal – 09/2013 SNT-TC-1A – 03/26/2016 Training Cont. – 09/2013	12/04/13
	Kareis, Georgia*	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 02/2014 Requal – 02/2014 SNT-TC-1A – 02/09/15 Training Cont. – 02/2014	10/08/13
	Simpson, Kenneth Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	Eye Exam – 01/2014 Requal – 04/2015 SNT-TC-1A – 02/27/16 Training Cont. – 10/2013	Cannot perform operations until site training is complete.

***Site qualified to operate the LCNDE.**

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
FGA	Adams, James	Operator/ITR **SME/OJT**	07/2014	09/13/13
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	03/2014	Cannot perform operations until site training is complete.
	Jagielski, Richard	Operator/ITR **SME/OJT**	07/2014	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR **SME/OJT**	05/2015	Cannot perform operations until site training is complete.
	McCall, Anthony (Tony)	Operator/ITR	01/2015	11/11/13
	Robinson, Jeremy	Operator/ITR	06/2014	05/13/14

	Name	Position	CCP Next Training Due Date	Host Site Next Training Due Date
GGT	De Bruyn Kops, Aaron	Operator/ITR **SME/OJT** NCR "K" Code Designee	01/2014	Cannot perform operations until site training is complete.
	Dover, Dale	Operator/ITR **SME/OJT** NCR "K" Code Designee	11/2013	Cannot perform operations until site training is complete.
	Loechell, Erik	Operator/ITR	**08/2013**	Cannot perform operations until site training is complete.
	Poirier, Joe	Operator/ITR	02/2014	Cannot perform operations until site training is complete.

SRS NDE Personnel Waste Streams Qualified List

8/15/2013 4:13 PM

		SR-W027-221F-Het-A	SR-W027-FB-Pre86-C	SR-W026-221F-HEPA	SR-W026-221F-HET	SR-W026-221F-HET-A	SR-W026-221F-HOM	SR-W027-221H-HEPA	SR-W027-221H-HET	SR-W027-221H-HET-D	SR-W027-221H-HOM	SR-W027-HBL-BOX	SR-W026-772F-HET	SR-W027-235F-HEPA	SR-W027-235F-HET	SR-W027-235F-HOM	SR-W027-773A-HET	SR-W027-773A-HOM	SR-MD-HET	SR-MD-HOM-A	SR-NIST-HET
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X			X
	Kinard, Stacy	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SRS NDE Personnel Waste Streams Qualified List

8/15/2013 4:13 PM

		SR-MD-HOM-C	SR-MD-SOIL	SR-MD-PAD1	SR-LA-PAD1	SR-AGNS-HET	SR-AGNS-HOM	SR-SWMF-HET-A	SR-SWMF-HET-B	SR-SDD-HET-A	SR-SDD-HOM-A	SR-SDD-HOM-B	SR-W027-321-322M-HET	SR-W027-321M-HOM	SR-DWPF-HET	SR-BCLDP-HET	SR-221H-PuOX	SR-BCLDP.003.001	SR-BCLDP.004.004	SR-KAC-HET	SR-HBL-235F-HET
RTR	Brookshire, John	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gelderman, Byron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kareis, Georgia	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Simpson, Dale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
VE	Adams, James	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Davis, Will	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Harley, Anthony			X						X	X	X	X	X	X	X		X	X	X	
	Kinard, Stacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

COPY

CCP ATTENDANCE SHEET

COURSE NAME: CCP-AK-SRS-3, Revision 11 **DATE:** 8/27/13

LOCATION: Teleconference

	NAME (PRINT NAME)	TITLE/POSITION	SIGNATURE
1.	Byron Gelderman	RTR/Operator	
2.	Will Davies	VE	
3.	John Brookshire	RTR/operator	
4.	James Adams	VEE	
5.	Georgia N. Karels	NDE/LO	
6.	Stacy I. Kinard	VE	
7.			
8.			
9.		N/A	
10.			
11.			
12.			

Joshua Houghton
Instructor Name (Print)

Signature

8-27-13
Date

COPY

CCP ATTENDANCE SHEET

COURSE NAME: CCP-AK-SRS-3, Revision 11 **DATE:** 8/27/13

LOCATION: Teleconference

	NAME (PRINT NAME)	TITLE/POSITION	SIGNATURE
1.	Kenneth Simpson	RTR	K J Simpson
2.			
3.			
4.			
5.			
6.			
7.		N/A	
8.		KKS	
9.		8-17-13	
10.			
11.			
12.			

Joshua Houghton
Instructor Name (Print)

Signature

8-27-13
Date

DIVIDER PAGE

COPY

Attachment 1 – CCP NDE Test Drum Inventory Sheet

Test drum identification number: NDE-TEST-08	Date: 14SEP2010
Drum contents:	
CCP-PO-002 required items	**Other items**
1. Aerosol can with puncture	1. ELECTRICAL CORD
2. Horsetail bag (Liner Bag)	2. BRASS VALVE
3. Pair of coveralls	3. FLASHLIGHT WITH BATTERIES
4. Empty bottle	4. AIR HOSE
5. Irregular-shaped pieces of wood	5. HORSETAIL BAG OF ABSORBANT
6. Empty one-gallon paint can	6. ~~X~~ FACE SHIELD
7. Full container	7. BF 9-20-10
8. Aerosol can with fluid	8.
9. One-gallon bottle with three (3) tablespoons of fluid	9. BF 9-14-10
10. One-gallon bottle with one (1) cup of fluid (upside down)	10.
11. Leaded glove or leaded apron	11.
12. Wrench	12.

Comments:
PLYWOOD SPACER WAS INSERTED BETWEEN SOIL AND DEBRIS.
PLYWOOD SPACER WAS INSERTED BETWEEN HOMOGENEOUS SOLID AND SOIL BF 9-20-10
BOTTOM 25% OF DRUM IS SUMMARY CATEGORY GROUP S 3000. MIDDLE 25% IS S4000. TOP 50% IS S5000. BF 9-20-10

VPM Printed Name	Signature	Date
Buddy Fussell	B Fussell	9-14-10

ORIGINAL

COPY

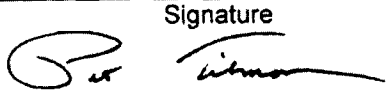
Attachment 1 – CCP NDE Test Drum Inventory Sheet

Test drum identification number: NDE-TEST-17	Date: 09-19-11
Drum contents:	
CCP-PO-002 required items	**Other items**
1. Aerosol can with puncture	1. Sludge
2. Horsetail bag (Liner Bag)	2. Plywood Divider
3. Pair of coveralls	3. Soil
4. Empty bottle	4. Plywood Divider
5. Irregular-shaped pieces of wood	5. Bag of Absorbent
6. Empty one-gallon paint can	6. Aluminum Flashlight
7. Full container	7. Brass Valve
8. Aerosol can with fluid	8. Extension Cord
9. One-gallon bottle with three (3) tablespoons of fluid	9. Air Hose
10. One-gallon bottle with one (1) cup of fluid (upside down)	10. Plastic Face Shield
11. Leaded glove or leaded apron	11. N/A
12. Wrench	12. N/A
Comments: None	

VPM Printed Name	Signature	Date
Pat Tilmon	Pat Tilmon	09-19-11

CCP RECORDS ORIGINAL
DATE REC'D 09-20-11

Attachment 1 – CCP NDE Test Drum Inventory Sheet

Test drum identification number: NDE-TEST-19	Date: 02-01-12
Drum contents:	
CCP-PO-002 required items	**Other items**
1. Aerosol can with puncture	1. Sludge
2. Horsetail bag (Liner Bag)	2. Plywood Divider
3. Pair of coveralls	3. Soil
4. Empty bottle	4. Plywood Divider
5. Irregular-shaped pieces of wood	5. Brass Valve
6. Empty one-gallon paint can	6. Aluminum Flashlight
7. Full container	7. Air Hose/Fittings
8. Aerosol can with fluid	8. Extension Cord
9. One-gallon bottle with three (3) tablespoons of fluid	9. Bag of Absorbent
10. One-gallon bottle with one (1) cup of fluid (upside down)	10. Plastic Face Shield
11. Leaded glove or leaded apron	11. N/A
12. Wrench	12. N/A
Comments: None	
VPM Printed Name: Pat Tilmon	Signature:  Date: 02-01-12

DIVIDER PAGE

Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number: NDE-TRAINING-06		Date: 1/4/11
Container contents:		
1. Punctured aerosol can	14.	Electric cord
2. Aerosol can with liquid (Prohibited Item)	15.	Aluminum flashlight w/o batteries
3. Plastic sheeting	16.	Cardboard roll
4. Canvas drop cloth	17.	Tape Roll
5. Wooden handle wire brush	18.	One gallon metal paint can empty
6. Rubber mallet	19.	Five Gallon Plastic Paint Bucket with sealed lid (Prohibited Item)
7. Plastic tubing(1/4 inch)	20.	1 Liter bottle 50 ml liquid
8. Saw Blade	21.	500 ml bottle empty
9. Pieces of wood	22.	1 Gal plastic container with 700 ml liquid (Prohibited Item)
10. Metal pipe 2" dia	23.	1000 ml round plastic container half full of oil-dri absorbent
11. (2) Tyvek suit	24.	250 ml plastic container with 200 ml liquid (Prohibited Item)
12. Porcelain crucible	25.	50 ml lab sample bottle (cent. type) with 10 ml liquid
13. (2) 6 cm dia. plastic Petri dishes	26.	20 ml bottle with 5 ml liquid
14. Soil	27.	20 ml bottle empty
15. Solidified material	28.	120 ml round bottle with 100 ml of liquid (Prohibited Item)
16. 400 ml plastic container with lid empty	29.	NA

Comments:
None

Larry Porter	Larry Porter	1/4/11
CE Printed Name	Signature	Date

Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number: NDE-TRAINING-11		Date: Jan. 04, 2011
Container contents:		
1. 60 ml plastic bottle (w/ cap) with 20 ml of liquid	14.	1 gallon Tin-plated steel can with lid and handle
2. 125 ml plastic bottle (w/ cap) with 100 ml of liquid	15.	Firebrick
3. 250 ml plastic bottle (w/ cap) with 30 ml of liquid	16.	Rubber Coolant Hose 1" OD X 36"
4. 1000 ml plastic bottle (w/ cap) with 250 ml of liquid	17.	1 pair Cloth Coveralls
5. 1 gallon plastic bottle (w/ cap) with 200 ml of liquid	18.	Soil
6. 600 ml glass beaker	19.	Sludge (concrete)
7. ½" NPT Brass Ball Valve	20.	Cardboard
8. Copper tubing 1/2" OD X 12"	21.	
9. Hand tools (screwdriver and open end wrench)	22.	N/A
10. Aluminum Flashlight (w/o batteries)	23.	
11. Punctured Aerosol Can	24.	
12. Aerosol Can (pressurized)	25.	
13. Latex Gloves (2 pair)	26.	

Comments:
None

Larry Porter	Larry Porter	1/4/11
CE Printed Name	Signature	Date

COPY

Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number: NDE-TRAINING-22	Date: 11-29-12
Container contents:	
1. Porcelain Crucible	17. Five gallon plastic paint bucket with sealed lid (prohibited item)
2. Wooden handle wire brush	18. 1000 ml round plastic container ½ full of oil-dri absorbent
3. Canvas drop cloth	19. Plastic sheeting
4. Punctured aerosol can	20. 1 gallon plastic container with 1000 ml of liquid (prohibited item)
5. Soil	21. 400 ml plastic container with lid (empty)
6. Solidified material	22. Plastic tubing (1/4 inch)
7. (2) 6 cm dia. Plastic Petri dishes	23. Pliers
8. Aerosol can with liquid (prohibited)	24. Metal chisel
9. Pieces of wood	25. 1 liter bottle with 100 ml of liquid (prohibited item)
10. Metal pipe 2" dia.	26. 20 ml bottle (empty)
11. (2) tyvek suits	27. 120 ml round bottle with 75 ml of liquid (prohibited item)
12. Saw blade	28. 20 ml bottle with 5 ml of liquid
13. Electric cord	29. 250 ml plastic container (empty)
14. Aluminum flashlight w/o batteries	30. 250 ml plastic container with 150 ml of liquid (prohibited item)
15. Wooden handle rubber mallet	31. 60 ml plastic bottle with 30 ml of liquid
16. Cardboard roll	32. ~~N/A~~ 1 Gallon empty Metal Paint Can PZ 12-6-12 PZ 12-6-12
Comments:	33. Paint Brush PZ 12-6-12

The lower half of this SWB contains soil and solidified material while the upper half contains the rest of the items listed above.

The SWB was sealed with two tamper indicating devices: Secured TRAC Seal #000277 & #000278.

Items 32. and 33. were inadvertently left off PZ 12-6-12

CE or VPM Printed Name	Signature	Date
VPM Pat Tilmon	Pat Tilmon	11.29.12
	Pat Tilmon	12-6-12

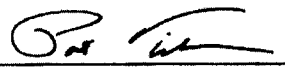
Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number: NDE-TRAINING-23	Date: 12-6-12
Container contents:	
1. Solidified material	17. Aluminum flashlight
2. Soil	18. 250 ml plastic bottle with 75 ml of liquid (Fail)
3. 1 gallon plastic bottle with 150 ml of liquid (Fail)	19. 60 ml plastic bottle with 25 ml of liquid (Pass)
4. 1 gallon empty metal paint can	20. Plastic sheeting
5. Rubber hose	21. Screwdriver
6. Rubber gloves	22. Wrench
7. Cloth Coveralls	23. N/A
8. Firebrick	24. N/A
9. Cardboard	25. N/A
10. Punctured aerosol can	26. N/A
11. Copper tubing	27. N/A
12. ½" Brass ball valve	28. N/A
13. 1000 ml plastic bottle with 200 ml of liquid (Fail)	29. N/A
14. 600 ml glass beaker	30. N/A
15. Aerosol can with liquid (prohibited)	31. N/A
16. 125 ml plastic bottle with 50 ml of liquid (Pass)	32. N/A

Comments:

The lower half of this 55 gallon drum contains soil and solidified material while the upper half contains the remaining items listed above.

The drum was sealed with a (TID) Tamper Indicating Device

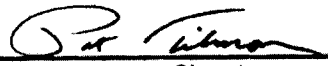
CE or VPM Printed Name	Signature	Date
Pat Tilmon		12-6-12

Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number: NDE-Training-28		Date: 6-10-13
Container contents:		
1. 60 ml plastic bottle with lid with 25 ml liquid	14.	1 gallon Tin-plated steel paint can with lid
2. 125 ml plastic bottle with lid with 100 ml liquid (prohibited)	15.	Firebrick
3. 250 ml plastic bottle with lid with 45 ml liquid	16.	Rubber hose 1" OD X 36"
4. 1 liter plastic bottle with lid with 325 ml liquid (prohibited)	17.	1 pair cloth coveralls
5. 1 gallon plastic bottle with lid with 400 ml liquid (prohibited)	18.	Cardboard
6. 600 ml glass beaker	19.	Soil
7. ½" NPT Brass Ball Valve	20.	Sludge (concrete)
8. Copper Tube ½" OD X 12"	21.	Crucible
9. Hand tools (screwdriver and open end wrench)	22.	Saw Blade
10. Aluminum Flashlight (w/o batteries)	23.	Paint Brush
11. Punctured Aerosol Can	24.	Rubber Mallet (wood/handle)
12. Pressurized Aerosol Can (prohibited)	25.	Rubber Gloves
13. Plastic sheeting/bags with a horsetail	26.	N/A

Comments:

The Drum was sealed with two tamper indicating devices: Secured TRAC Seal #000347 & #000348

Pat Tilmon  6-10-13

CE or VPM Printed Name Signature Date

Table C6-4 Headspace Gas Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Headspace Gas Checklist

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	HEADSPACE GAS SAMPLING FREQUENCY					
182	Are procedures in place to ensure that randomly selected retrievably stored and newly generated waste containers will undergo headspace gas sampling and analysis as required to augment AK? (Section C-3a)	CCP-TP-106 (All) CCP-TP-093 (All) CCP-TP-162 (All)	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)** -Headspace Gas Random Sample Selection Candidate Memorandum For The First Random Sample Lot Of Containers Of Heterogeneous Debris, Waste Stream SR-BCLDP-HET, Being Characterized By The CCP At The SRS; -Subsequent Headspace Gas Random Sample Selection Candidate Memorandum For The Third Random Sample Lot Of Containers Of Heterogeneous Debris Waste, Waste Stream SR-W027-773A-HET, Being Characterized By The CCP At The SRS; -Revised Headspace Gas Sample Selection Candidate Memorandum For The First Random Selection Lot Of Containers Of Heterogeneous Debris	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				Waste, Waste Stream SR-SWMF-HET-B, Being Characterized By The CCP At The SRS; -Revised Headspace Gas Random Sample Selection Memorandum For Waste Stream SR-RH-221H.01, Lot 1, Characterized By The CCP At The SRS **(GEN-13)**		
183	Are procedures in place to ensure that randomly selected containers will be allowed to equilibrate to sampling room temperature for 72 hours prior to sampling (18° C or higher) and that the drum ages specified in accordance with Section C1-1a(1) are met? All information necessary to determine drum age criteria must be determined, including but not limited to: • Scenario Determination • Packaging Configuration • Filter Diffusivity • Liner/Lid Opening Diameter (Section C1-1a)	CCP-TP-093 S. 4.3.1 S. 4.3.2 CCP-TP-106 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
	HEADSPACE GAS SAMPLING GENERAL REQUIREMENTS					
184	Are procedures in place to ensure all containers of waste are vented through filters to ensure that gases are adequately vented preventing over pressurization or development of conditions that would lead to the development of ignitable, corrosive, reactive, or other characteristic waste? (Section C-1c)	CCP-TP-082 S. 4.1 S. 4.2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
186	Are procedures in place to ensure that the following gas sample container and holding time requirements are met: • The minimum sample volume for VOC. sample collection is 250 mL. (Note: a single 100 mL sample may be collected if the headspace is limited)	CCP-TP-093 S. 2.3.1[A] (canister) S. 4.7.1 CCP-TP-106	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Holding temperatures shall be between 0° C and 40°C (Table C1-1)	Att. 2		SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**		
187	Are procedures in place to ensure that all sampling is performed in an appropriate radiation containment area? (Section C1-1a)	CCP-TP-093 S. 2.4.1[A]	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
188	Are procedures in place to ensure that headspace gases is analyzed for the analytes listed in Table C3-2 of the Attachment C3? (Section C1-1a(1))	N/A	N/A	N/A	N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.
189	Are procedures in place to ensure that all headspace gas analyses utilize either SUMMA® or equivalent canisters or on-line integrated sampling/analysis systems? (Section C1-1a(1))	CCP-TP-093 S. 2.3	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.
	MANIFOLD SAMPLING					
190	Are procedures, processes, and equipment in place to ensure that the following sampling procedures are implemented: • The sampling equipment is leak checked and cleaned upon first use and as needed • The manifold and sample canisters are evacuated to 0.1 mm Hg prior to sample collection • Cleaned and evacuated sample canisters are attached to the evacuated	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	manifold before the manifold inlet valve is opened • The manifold inlet valve is attached to a changeable filter connected to either a side port needle sampling head capable of forming an airtight seal (for penetrating a filter or rigid poly liner when necessary), a drum punch sampling head capable of forming an airtight seal (capable of punching through the metal lid of a drum while maintaining and airtight seal for sampling through the drum lid), or a sampling head with an airtight fitting for sampling through a pipe overpack container filter vent hole. Refer to Section C1-1a(4) for descriptions of these sampling heads. • Field blanks are collected using samples of room air collected in the sampling area in the immediate vicinity of the waste container. *(Note: field blanks for SUMMA® canisters are collected directly into the canister without the use of the manifold.)* • Manifold equipped with purge assembly that allows QC samples to be collected through all sampling components that affect compliance with QAOs • The manifold internal volume is calculated and documented in a field logbook • The total volume of headspace gas collected is calculated by adding the canister volume and internal manifold volume and should be less than 10 percent of the available headspace volume when a volume estimate is available (Section C1-1a(2))					
191	Are procedures, processes, and equipment in place to ensure that the following manifold sample side conditions are met: • The sampling head forms a leak-tight connection with the sampling manifold • A flexible hose allowing movement from the purge assembly to the waste container • Pressure sensors that are pneumatically connected to the manifold and must be able to measure absolute pressure from 0.05 mm Hg to 1000 mm Hg with a resolution of that must be 0.01 mm Hg at 0.05 mm of Hg. The pressure sensors shall have an operating range of 15° C to 40° C. • Sufficient canister ports shall be available to allow simultaneous collection of headspace gas samples and duplicates for VOC analysis. • Ports not occupied with sample canisters require a plug to prevent ambient air from entering the system	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Ports shall have VCR® fittings for connection to the sample canisters to prevent degradation of the fitting on the canister and manifold. • Sample canisters are leak-free, stainless steel pressure vessels, with a Cr-NiO SUMMA® passivated interior surface or canisters with equivalently inert surfaces, bellows valve, and a pressure/vacuum gauge. All canisters shall have VCR ® fittings to sampling and analytical equipment • The pressure/vacuum gauge must be mounted on each manifold and shall be helium-leak tested to 1.5 X 10^{-7} cc/s, have all stainless steel construction, and be capable of operating at temperatures to 125° C					
191a	• A dry vacuum pump capable of reducing the manifold pressure to 0.05 mm Hg. (Note: If an oil vacuum pump is used precautions such as a molecular sieve or cryogenic trap shall be used to prevent diffusion of oil vapors back into the manifold) • A minimum distance between the needle and the valve that isolates the pump from the manifold in order to minimize the dead volume in the manifold. • If real time equipment blanks are not available, the manifold shall be equipped with an OVA capable of detecting all analytes listed in Table C3-2 and is capable of measuring total VOC concentrations below the lowest headspace gas PRQL (Section C1-1a(2))	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.
192	Are procedures, processes, and equipment in place to ensure that the following manifold standard side conditions are met: • A cylinder of compressed zero air, helium, argon, or nitrogen that is hydrocarbon and CO_2 free air (only hydrocarbon and CO_2-free gases required for FTIRS) and certified by the manufacturer to contain less than one ppm VOCs. The gas is used to clean the manifold between samples and to provide gas for the collection of equipment and on-line blanks *(Note: a zero air or nitrogen generator may be used, provided a sample of air is collected and found to contain less than 1 ppm total VOCs and the air is humidified)* • Cylinders of reference gas with known concentrations of analytes from Table C3-2 certified by the manufacturer to provide gases for evaluating the accuracy of the headspace gas sampling process • All cylinders of reference gases and zero air shall be connected to flow regulating devices • A humidifier filled with ASTM Type I or II water, connected, and opened to	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	the standard side of the manifold between the compressed gas cylinders and the purge assembly shall be used, if the Fourier Transform Infrared System (FTIRS) is not used. No humidifier if the FTIRS is used *(Note: Compressed gas may include water vapor between 1000 and 10000 ppmv in lieu of a humidifier)* • The humidifier is off-line during system evacuation to prevent manifold flooding					
192a	• A purge assembly that allows the sampling head to be connected to the standard side of the manifold. • A flow indicating device or pressure regulator that is connected downstream of the purge assembly to monitor the flow rate or pressure of gases through the purge assembly to ensure that excess flow is available to prevent ambient air from contaminating the QC samples and allow sample of gas from the compress gas cylinders to be collected near ambient pressure. (Section C1-1a(2))	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.
193	Do procedures ensure that NIST Certified (or equivalent) ambient pressure sensors maintained in the sampling area must have a sufficient measurement range for the expected ambient barometric pressures and a resolution shall be 1.0 mm Hg or less? (Section C1-1a(2))	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.
194	Do procedures ensure that the NIST traceable (or equivalent) temperature sensor in the sampling location shall have a sufficient measurement range for the ambient temperatures (18° to 50°C)? (Section C1-1a(2))	N/A	N/A	N/A	N/A	SRS/CCP does not perform Manifold Sampling.
	DIRECT CANISTER SAMPLING					
195	Are procedures, processes, and equipment in place to ensure that the following operating conditions are in place for direct canister sampling: • Canisters are evacuated to 0.1 mm Hg prior to use and attached to a changeable filter connected to the sampling head • Sampling heads are capable of either punching through the metal lid of the drums while maintaining an airtight seal for sampling through the drum lid, penetrating a filter or the septum in the orifice of a self-tapping screw, or maintaining an airtight seal for sampling through a pipe overpack container filter vent hole. • Field duplicates are collected in the same manner and at the same time and using the same type of sampling apparatus as used for headspace gas sample collection.	**Bullet 1:** CCP-TP-093 S. 4.4.3[A] & [B] S. 4.5.2[A] & [B] Fig. 1 & 2 **Bullet 2**: CCP-TP-093 S. 4.4.1 S. 4.4.2 **Bullet 3:** CCP-TP-093 S. 4.5.4	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	**Bullet 5:** Equipment blanks collected at INL/CCP Lab. **Bullet 7:** Canisters assembled and checked at INL/CCP Lab and audited separately.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Field blanks shall be samples of room air collected in the immediate vicinity of the waste drum sampling area prior to removal of the drum lid. • Equipment blanks and field reference standards shall be collected using a purge assembly equivalent to the standard side of the manifold • Less than 10 percent of the headspace is withdrawn when a headspace estimate is available *(Note: The total volume withdrawn is can be determined by adding the canister volume and the internal volume of the sampling head)* • Each sample canister is shall be equipped with a pressure/vacuum gauge capable of indicating leaks and sample collection volumes. The gauge shall be helium leak tested to 1.5 X 10^{-7} cc/s, have all stainless steel construction and be capable of tolerating temperatures to 125° C • Summa® canisters or equivalent are used to collect samples (Section C1-1a(3))	**Bullet 4:** CCP-TP-093 S. 4.5.3, 2nd NOTE **Bullet 5:** N/A **Bullet 6:** CCP-TP-093 S. 2.3.1[A] S. 4.3.1[A18] **Bullet 7:** N/A **Bullet 8:** CCP-TP-093 S. 2.3.1[A]				
	SAMPLING HEADS UNDER DRUM LIDS: SAMPLING THROUGH A CARBON FILTER					
196	Are procedures, process, and equipment adequate to ensure that samples collected through a filter meet the following requirements: • The lid of the drum's 90-mil rigid poly liner shall contain a hole for venting to the drum • That non-vented drums are not sampled until an internal nonconformance report is prepared, submitted, and resolved in order to obtain a representative sample • The filter shall be sealed to prevent outside air from entering the drum • The sampling head for collecting drum headspace gas shall consist of a side-port needle, a filter to prevent particle contamination of the sample, and an adapter to connect the side-port needle to the filter • The sampling head is cleaned or replaced after each use • The housing of the filter shall allow insertion of the sampling needle through the filter element or a sampling port with septum that bypasses the filter element into the drum headspace • The side port needle shall be used to reduce the potential for plugging • The purge assembly shall be modified for compatibility with the side port needle.	**Bullet 1:** CCP-TP-093 S. 4.2.1 S. 4.3.1[A.7] **Bullet 2:** CCP-TP-093 S. 4.2.1[B] **Bullet 3:** CCP-TP-093 S. 4.5.4[B] **Bullet 4:** CCP-TP-093 S. 2.3.1[B] Fig. 1 & 2 **Bullet 5:** CCP-TP-093 S. 4.5.4[M] & [N]	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	(Section C1-1a(4)(i))	**Bullet 6:** CCP-TP-082 S. 4.1 **Bullet 7:** CCP-TP-093 S. 2.3.1[B] Fig. 1 & 2 **Bullet 8:** N/A				
	SAMPLING HEADS UNDER DRUM LIDS: SAMPLING THROUGH THE DRUM LID					
197	Are procedures in place to establish the criteria for sampling through the drum lid as opposed to sampling through a filter? (Section C1-1a(4)(ii))	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.
197a	If sampling through a pipe overpack container filter vent hole with an airtight device is used, are procedures in place to ensure that a sampling head with an airtight seal for sampling through a pipe overpack container filter vent hole are available? (Section C1-1a(4)(iii))	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.
197b	If sampling through a pipe overpack container filter vent hole is used, are the following criteria met: • The seal between the pipe overpack container surface and sampling apparatus shall be designed to minimize intrusion of ambient air. • The filter shall be replaced as quickly as is practicable with the airtight sampling apparatus to ensure that a representative sample can be taken. • All components of the sampling system that come into contact with sample gases shall be cleaned according to requirements for direct canister sampling or manifold sampling, whichever is appropriate, prior to sample collection. • Equipment blanks and field reference standards shall be collected through all the components of the sampling system that contact the headspace-gas sample. • During sampling, openings in the pipe overpack container shall be sealed to prevent outside air from entering the container. • A flow-indicating device shall be connected to sampling system and operated according to the direct canister or manifold sampling	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	requirements, as appropriate. (Section C1-1a(4)(iii))					
197c	If sampling through a pipe overpack container filter vent hole is used, are the following criteria met? • The site has documentation that demonstrates that they have determined through testing the appropriate length of time for exchanging the filter with the sampling device to assure representative samples are collected. (Section C1-1a(4)(iii))	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.
198	Are procedures, process, and equipment adequate to ensure that samples collected through the drum lid by punching meet the following requirements: • The lid of the drum's 90-mil rigid poly liner shall contain a hole for venting to the drum. If the DAC for Scenario 1 is met, a sample may be collected from inside the 90-mil rigid poly liner. • If headspace gas samples are collected from the drum headspace prior to venting the 90-mil rigid poly liner, the sample is not acceptable and a nonconformance report shall be prepared, submitted, and resolved. • The drum lid shall be breached using a punch that forms an airtight seal between the drum lid and the manifold or canister • The seal between the drum lid and the sampling head shall be designed to minimize the intrusion of ambient air • All components of the sampling system that come in contact with sample gases shall be purged with humidified zero air, nitrogen, or helium prior to sample collection • Equipment blanks and field reference standards shall be collected through all components of the punch that contact the headspace gas sample • Pressure shall be applied to the punch until the drum lid has been breached • Provisions shall be made to relieve excessive drum pressure increases during drum punch operations; potential pressure increases may occur during sealing of the drum punch to the drum lid • The filter is sealed to prevent outside air from entering the drum (Section C1-1a(4)(ii))	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.
198a	• A flow indicating device or pressure regulator to verify flow of gases shall be pneumatically connected to the drum punch and operated in the same	N/A	N/A	N/A	N/A	SRS/CCP does not sample through drum lids.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	manner as the flow indicating device • Equipment are used to secure the drum punch sampling system to the drum lid • If the headspace gas sample is not taken at the time of drum punching, the presence and diameter of the rigid liner vent hole is documented during the punching operation for use in determining an appropriate Scenario 2 DAC. (Section C1-1a(4)(ii))					
	QUALITY CONTROL SAMPLE COLLECTION					
199	Are procedures in place to ensure that the following QC sample requirements are met: • Field QC samples are collected on per sample batch basis for manifold and direct canister sampling. A sampling batch is defined as up to 20 samples collected within 14 days of the first sample • Field samples are collected and analyzed on a per on-line batch basis for on-line sampling/analysis systems. An on-line batch is defined as the number of headspace gas samples that are collected within a 12 hour period from the same on-line integrated analysis system • For the manifold sampling method, field blanks, equipment blanks, field duplicates, and field reference samples are collected prior to sample collection on a per sampling batch basis or one per day, whichever is more frequent • For the direct canister sampling method field blanks and field duplicates are collected on a per sampling batch basis prior to sample collection; while equipment blanks and field reference samples are collected after equipment purchase, cleaning, and assembly	**Bullet 1:** CCP-TP-093 S. 2.6.4 CCP-TP-106 Att. 2 **Bullet 2:** N/A **Bullet 3:** N/A **Bullet 4:** CCP-TP-093 S. 4.4.5 (EB) S. 4.5.3 (FB) S. 4.5.4 (DUP) S. 4.5.6 (FRS)	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	Bullet 2: SRS/CCP does not perform online sampling/analysis. Bullet 3: SRS/CCP does not perform manifold sampling.
199a	• For the On-line sampling method, field blanks, equipment blanks, field duplicates, and field reference samples are collected on a per on-line batch basis. *(Note: The on-line blank replaces the laboratory and equipment blanks, the on-line duplicate replaces the field duplicate and the laboratory duplicate, and the on-line sample control replace the field reference standard and the laboratory control sample.)* (Section C1-1b, C1-1b(1), C1-1b(2), C1-1b(3), C1-1b(4))	N/A	N/A	N/A	N/A	SRS/CCP does not use on-line sampling and analysis.
200	Do procedures adequately assign the site project QA manager with the responsibility of monitoring field QC results and initiate the nonconformance report process in the event the following acceptance criteria are not met or sample collection frequencies are not met:	CCP-TP-001 Att. 10	Y	SRHSG1228 ECL12046M SRHSG1301 ECL13001M	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Field and equipment blanks shall be less than 3 times the detection limits specified in Table C3-2 and equipment blank results determined by FTIR shall be less than the PRQL specified in Table C3-2 (Section C1-1b(1) and C1-1b(2)) • Field reference standards shall have a recovery of between 70 and 130% (Table C1-3) • Field Duplicates shall have an RPD of less than or equal to 25 (Sections C1-1b and C1-1b(4); Table C1-3)			SRHSG1304 ECL13007M **(GEN-7)** Report of Field Reference Standard Results For The Central Characterization Project – Savannah River Site **(GEN-15)**		
201	Are procedures in place to ensure that field reference standards meet the following criteria: • Field reference standards shall contain a minimum of 6 analytes listed in Table C3-2 at a range of between 10 and 100 ppmv and at concentrations greater than the MDL • Field reference standards shall be traceable to a nationally recognized standard, if available • If commercial gases are used, they shall be accompanied by a Certificate of Analysis and all field reference standards are traceable to certificates. • Commercial gases are not used past the manufacturer specified shelf life. • Field reference samples are submitted blind to the laboratory at a frequency of one per sampling batch. (Note: Field reference standards may be discontinued for direct canister method if QAO accuracy objectives are met) (Section C1-1b(3))	CCP-TP-093 S. 2.6.3 S. 2.3.1.[H] S. 4.5.6 CCP-TP-106 S. 4.1.2[A.11] S. 5.2.1[A.11] Att. 2, #7	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
202	Are procedures in place to ensure that field duplicate samples are collected sequentially and in accordance with Table C1-1? (Section C1-1b(4))	CCP-TP-093 S. 4.5.4 (DUP)	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	Headspace gas duplicates are collected at the same time.
	SAMPLE EQUIPMENT TESTING, INSPECTION AND MAINTENANCE					
203	Are procedures in place to ensure that sample containers are cleaned in accordance	N/A	N/A	N/A	N/A	SRS/CCP performs HSG sampling only. Cleaning operations are

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	with the following specifications: • All sampling components that contact sample gases are constructed of inert materials such as stainless steel or Teflon® • The sampling manifold and canisters are properly cleaned and leak checked prior to each sampling event in accordance to or equivalent with TO-14A or TO-15 methodology • SUMMA® canisters or equivalent are cleaned on an equipment cleaning batch basis. An equipment cleaning batch is defined as the number of canisters that can be cleaned together at one time using the same cleaning method • The cleaning system consists of an optional oven and a vacuum manifold which uses a dry vacuum pump or a cryogenic trap backed by an oil sealed pump • Prior to cleaning a 24 hour leak check shall be performed (+/- 2 psig) on all canisters • Canisters that shall be checked for leaks, repaired, and reprocessed • One canister per equipment cleaning batch is filled with humid zero air or humid high purity nitrogen and analyzed for VOCs • A batch is considered clean if VOC concentrations are less than 3 times the MDLs specified in Table C3-2 • Certified leak-free canisters are evacuated to 0.1 mm Hg or less for storage • Canister cleaning certification documentation is available at the cleaning facility and the cleaning facility initiates canister tags. (Section C1-1c, C1-1c(1))					performed by INL Labs and evaluated in a separate audit.
204	Are procedures in place to ensure that manifold pressure sensors and ambient air temperature sensors are certified prior to initial use and annually using NIST traceable standards? In addition OVAs if used shall be calibrated daily using known calibration gases and the balance of the OVA calibration is consistent with the manifold purge gas? (Section C1-1d)	N/A	N/A	N/A	N/A	SRS/CCP performs HSG sampling only. Cleaning operations are performed by INL Labs and evaluated in a separate audit.
205	Are procedures in place to ensure that sampling equipment are cleaned and leak checked using the following specifications: • Surfaces of all sampling equipment that will come in contact with sample gases are thoroughly inspected and cleaned prior to assembly	N/A	N/A	N/A	N/A	SRS/CCP performs HSG sampling only. Cleaning operations are performed by INL Labs and evaluated in a separate audit.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Manifolds and sampling heads shall be purged with humidified zero air, nitrogen, or helium and leak checked after assembly • The cleaning shall be repeated if routine system cleaning is inadequate • Manifolds and sampling heads which are reused shall be cleaned and leak checked according to procedures in the EPA's Compendium Method TO-14A or TO-15 after sample collection, field duplicate collection, field blank collection, and after the additional cleaning require for field reference samples. All manifold ports shall be capped or closed with valves (sample canisters may be attached as well) • Manifolds are cleaned by heating the sample side of the manifold to 150° C and periodically evacuated and flushed with humidified zero air, nitrogen, or helium • Manifolds not in use are demonstrated as clean before storage with a positive pressure of humidified zero air, nitrogen, or helium gas in the sampling and standard sides • Sampling is suspended when the analysis of an equipment blank indicated the if VOC limits have been exceeded or if a leak test fails • Sampling systems are cleaned after field reference standard collection by installing a gas tight connector in place of the sampling head, between the flexible hose and purge assembly. This allows the sample and standard side to be flushed with humidified zero air, nitrogen, or helium in conjunction with heated pneumatic lines • Needles, airtight fitting or seal, adapters, and filters are cleaned in accordance with the EPA Method TO-14A or TO-15 procedures. Sample heads shall be discarded or cleaned according to Method TO-15. In addition, the needle, the airtight fitting and seal, and the filter should be purged with zero air, nitrogen, or helium and capped for storage (Section C1-1c(2) , Section C1-1c(3), Section C1-1c(4), and Section C1-c(5))					
	SAMPLE HANDLING AND CUSTODY					
207	Do formats for field logs and custody records specify documentation of the following information: • Name of sampling facility • Waste container identification number • Sample identification number of each sample referenced to waste container	CCP-TP-093 S. 4.4.5[O] S. 4.5.3[M] S. 4.5.4[S] S. 4.5.5[S] & [X] S. 4.5.6[N] & [O] Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	• Sample matrix • Time and date of sample collection • Type/number and size of sample container(s) • Method of sample preservation • Requested analyses • Sampler(s) name through signature			SRHSG1303 **(HSG-1)**		
	• Signatures of custodians relinquishing and receiving custody of samples including date and time of transfer until time of final disposition • Analytical laboratory • Off-site shipping information (date, time, shipper, mode, air bill or lading number) (Section C1-5)					
208	Are procedures are in place to ensure that samples and sampling equipment are identified with unique identification numbers? (Section C1-5)	CCP-TP-093 S. 4.5.3[M] S. 4.5.4[S] S. 4.5.5[S] S. 4.5.6[N] Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SUMMA canisters are provided by the INL and audited separately.
209	Do sample tags or labels contain the following information: • Sample Description • Ambient temperature and pressure • Sample identification number • Analyses requested • Date/Time of collection • QC Designation (if applicable) • Sampler's initials and organization (Section C1-5)	CCP-TP-093 Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
210	All sampling equipment, canisters, and samples are identified with unique identification numbers that are traceable to equipment cleaning batches? (Section C1-5)	CCP-TP-093 S. 4.5.3[M] S. 4.5.4[S] S. 4.5.5[S] S. 4.5.6[N] Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
211	Are procedures in place to ensure samples are sealed with intact custody seals and that one or more of the following custody conditions are met: • It is in the possession of an authorized individual • It is in the view of an authorized individual, after being in the possession of that individual • It was in the possession of an authorized individual and access to the sample was controlled by locking or placement of signed custody seals that prevent undetected access • It is in a designated secure area, such as a controlled access location with complete documentation of personnel access or a radiological containment area (hot cell or glove box) (Section C1-5)	CCP-TP-093 S. 4.6 NOTE S. 4.6.1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
212	Are procedures in place to ensure that discrepant sample information, indications of damage, or indications of tampering are documented? (Section C1-5)	CCP-TP-093 Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. Documentation of tampering is completed in the comments section of the Chain of Custody.
214	Are procedures in place to ensure that sample custody is maintained until the sample is released by the site project manager or expended? (Section C1-5)	CCP-TP-093 Att. 1	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228	Y	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs. The Chain of Custody within the analytical BDRs annotate sample disposition.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**		
215	Are procedures in place to ensure that SUMMA® canisters are packaged to prevent damage to the pressure gauge or associated connections by packaging in metal boxes with separate compartments or cardboard boxes with foam inserts? (Section C1-6)	CCP-TP-093 S. 4.7	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
216	Are procedures in place to ensure that samples are packaged to prevent damage to the sample container and maintain preservation temperature? (Section C1-6)	CCP-TP-093 S. 4.7.1 S. 4.7.2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
217 H	Are procedures in place to ensure that adequate cold packs are included in the DOT approved sample shipping container to ensure that all temperature requirements are met? (Section C1-6)	CCP-TP-093 S. 4.7.1 S. 4.7.4	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				(HSG-1)		
218	Are procedures in place to ensure that sample COC forms are secured for shipment to the inside of the sealed or locked shipping container lid and that samples and shipping containers are affixed with tamper proof seals or devices? (Section C1-6)	CCP-TP-093 S. 4.7.9	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
	LABORATORY OPERATIONS					
220	Are procedures in place to ensure that all VOC analyses are evaluated using the following criteria: • Precision is assessed by analyzing of laboratory duplicates, Laboratory Control Sample (LCS), and PDP blind-audit samples in comparison to Table C3-2 • Accuracy is as %R shall be assessed by analyzing LCS samples and PDP blind audit samples in comparison to criteria in Table C3-3 • MDLs are expressed in nanograms for VOCs and must be less than or equal to those listed in Table 3-2 • Laboratory completeness shall be expressed as the number of samples analyzed with valid results as a percent of the total number of samples submitted for analysis. A composited sample is treated as one sample for the purposes of completeness, because only one sample is run through the analytical instrument • Comparability shall be achieved through the use of standardized methods, traceable standards by requiring successful participation in the PDP program • Representativeness will be achieved by collecting sufficient numbers of samples using clean sampling equipment that does not introduce sample bias. • All method detection limits and program required detection limits shall be less than the Program Required Detection Limits listed in Table C3-2 and the detection limit study procedures shall be documented in laboratory SOPs. In addition, the laboratory shall demonstrate that they are capable of meeting the Program Required Detection Limits by analyzing at least	N/A	N/A	N/A	N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	one calibration standard below the PRQL (Section C3-5)					
221	Are procedures in place to ensure that only laboratories that are qualified through participation in the Performance Demonstration Program are eligible to analyze waste samples? (Section C-3a(3))	N/A	N/A	N/A	N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.
222	Are procedures in place to ensure that Tentatively Identified Compounds shall be added to the target compound list if they are reported in 25% of the waste containers sampled from a given waste stream and if they appear in the 20 NMAC 4.1.200 (incorporating 40 CFR 261) Appendix VIII list? (Section C-3a(1))	CCP-TP-003 S. 4.3	Y	SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**	Y	
222a	Are procedures documented to ensure that the following criteria are met with regard to the recognition and reporting of TICS for GC/MS Methods for headspace gas sampling: • Relative intensities of major ions in the reference spectrum (ions greater than 10% of the most abundant ion) should be present in the sample spectrum. • The relative intensities of the major ions should agree within ± 20 percent. • Molecular ions present in the reference spectrum should be present in the sample spectrum. • Ions present in the sample spectrum but not in the reference spectrum should be reviewed for possible background contamination or presence of coeluting compounds. • Ions present in the reference spectrum but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting peaks. • The reference spectra used for identifying TICs shall include, at minimum, all of the available spectra for compounds that appear in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list. The reference spectra may be limited to VOCs when analyzing headspace gas samples. • TICs for headspace gas analyses that are performed through FTIR analyses shall be identified in accordance with the specifications of SW-846 Method 8410. (Section C3-1)	N/A	N/A	N/A	N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
222b	Are procedures in place to assure that TICs are reported as part of the analytical batch data reports for GC/MS Methods in accordance with the following minimum criteria: • a TIC in an individual container headspace gas or solids sample shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 10% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 2 to 5 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 2% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 6 to 10 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 1% of the area of the nearest internal standard. • a TIC in a composited headspace gas sample that contains 11 to 20 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 0.5% of the area of the nearest internal standard. (Section C3-1)	N/A	N/A	N/A	N/A	SRS/CCP only performs HSG sampling. Analysis is performed by INL/CCP Labs.
	QUALITY ASSURANCE OBJECTIVES					
224	Are procedures in place to ensure that the precision of the headspace gas sampling and analysis must be assessed by the sequential collection of field duplicates for manifold sampling operations or simultaneous collection of field duplicates for direct canister sampling operations for VOCs? (Section C3-2)	CCP-TP-093 S. 4.5.4	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	SRS/CCP utilizes direct canister sampling.
225	Are procedures in place to ensure that corrective action will be taken if the duplicate RPD exceeds 25% for any analyte found greater than the PRQL in both of the duplicate samples? (Section C3-2)	CCP-TP-001 S. 4.2 Att. 10	Y	SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304	Y	This is determined at Project Level.

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				ECL13007M **(GEN-7)**		
226	Are procedures in place to ensure that the accuracy of headspace gas sampling is assessed through the collection of field reference standards and at a frequency of one field response standard for every 20 containers sampled or per sampling batch and through the collection of equipment blanks at the frequency of one for every equipment cleaning batch ? (Section C3-2)	CCP-TP-093 S. 4.4.5 (EB) S. 4.5.3 (FB) S. 4.5.6 (FRS)	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
227	Are procedures in place to ensure that corrective actions are taken if the field reference standard is less than 70% recovery or greater than 130% and that if the blank concentration for any blank exceeds 3 times the MDL listings in Table B3-2? (Section C3-2)	CCP-TP-001 S. 4.2 Att. 10	Y	SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)** Report of Field Reference Standard Results For The Central Characterization Project – Savannah River Site **(GEN-15)**	Y	This is determined at Project Level.
228	Are procedures in place to ensure that sampling completeness shall be expressed as the number of valid samples collected as a percent of the total number of samples collected for each waste steam, where a valid sample is defined as a sample collected in accordance with approved sampling methods and the drum was properly prepared for sampling? (Section C3-2)	CCP-TP-002 Att. 1	Y	SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304 ECL13007M **(GEN-7)**	Y	
229	Are procedures in place to ensure that the minimum sampling completeness percentage for any waste stream is 90 percent? (Section C3-2)	CCP-TP-002 Att. 1	Y	SR-SDD-HET-A WSPF/CIS, lot 1 **(GEN-3)** SRHSG1228 ECL12046M SRHSG1301 ECL13001M SRHSG1304	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Headspace Gas Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				ECL13007M **(GEN-7)**		
230	Are procedures in place to ensure that sample comparability is assured through the use and application of uniform procedures and equipment and application of data usability criteria, and that corrective action is taken if the uniform procedures and equipment are not used without approved and justified deviations? (Section C3-2)	CCP-TP-106 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	
231	Are procedures in place to ensure that sample representativeness is maintained? (Section C3-2)	CCP-TP-106 Att. 2	Y	SRHSG1223 SRHSG1224 SRHSG1225 SRHSG1226 SRHSG1227 SRHSG1228 SRHSG1229 SRHSG1301 SRHSG1303 **(HSG-1)**	Y	

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1223 **Sampling Date:** 10-15-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers:BCSWB06C, MD0520005A, MDL032702A, SR595647, SWD11222, SWD031909B, HBL110034, HBL110038, MDL0518004, MDL0518006, SWD12060, SR46024XA, SD00005553
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 10-24-12

BDR Number: SRHSG1223	Sampling Date: 10-15-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1223	Sampling Date: 10-15-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			

BDR Number: SRHSG1223	Sampling Date: 10-15-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1223	Sampling Date: 10-15-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			

BDR Number: SRHSG1223	Sampling Date: 10-15-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1223 Sampling Date: 10-15-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			

Comments: NA

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		10-24-12
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1223

Waste Matrix Code: S5400

Waste Container Identification Numbers

BCSWB06C	SWD12060
MD0520005A	SR46024XA
MDL032702A	SD00005553
SR595647	NA
SWD11222	NA
SWD031909B	NA
HBL110034	NA
HBL110038	NA
MDL0518004	NA
MDL0518006	NA

Comments: This batch contains waste stream I.D.'s: SR-BCLDP-HET, SR-MD-HET, SR-NIST-HET, SR-SWMF-HET-A, SR-W027-221H-HET-C, SR-MD-PAD1 and SR-SDD-HET-A.

HSG Independent Technical Reviewer:

Dale Dover — Printed Name

— Signature

10-18-12 — Date

CCP RECORDS ORIGINAL
DATE REC'D 10-22-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	22
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	25
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	N/A
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	N/A
10.	Shipment Request Forms, if applicable.	N/A
11.	72-Hour Temperature Equilibration Plots	27
12.	Copy of NCRs, if applicable	N/A

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1223

Description	YES	NO	NA	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1223

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 16				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			Correction made on Attachment 2, page 1. Symbol ">" was added to match the procedure for filter H_2 diffusivity. SRS operator notified of the change.

Independent Technical Reviewer:

Printed Name Signature Date 10-18-12

004

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 33 Page 1 of 2

Location: Under Container Lid	Point of Origin: TRU PAD 4 Sealand 1&2	Sample Matrix is Gas	Ambient Conditions
	Field Batch Number: SRHSG1223		Temperature (centigrade): 22.7
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	101512	EI475	250	5302590	NA	NA	437C	INHSG1201NB	B	NA	1008	1013	28 in Hg	0 in Hg	JA
SR	101512	EID14	250	5302591	BCSWB06C	SR-BCLDP-HET	437C	INHSG1114NB	D	Y	1020	1025	30 in Hg	3 in Hg	JA
SR	101512	EI233	250	5302592	BCSWB06C	SR-BCLDP-HET	437C	INHSG1114NB	D	Y	1020	1025	29 in Hg	2 in Hg	JA
SR	101512	EIA02	250	5302593	MD0520005A	SR-MD-HET	437C	INHSG1201NB	SS	Y	1050	1054	30 in Hg	3 in Hg	JA
SR	101512	EIB17	250	5302594	MDL032702A	SR-MD-HET	437C	INHSG1201NB	SS	Y	1036	1041	30 in Hg	2 in Hg	JA
SR	101512	EIB45	250	5302595	SR595647	SR-NIST-HET	437C	INHSG1201NB	SS	Y	1029	1033	30 in Hg	0 in Hg	JA
SR	101512	EID95	250	5302596	SWD11222	SR-SWMF-HET-A	437C	INHSG1205NB	SS	Y	1030	1033	30 in Hg	2 in Hg	JA
SR	101512	EI948	250	5302597	SWD031909B	SR-SWMF-HET-A	437C	INHSG1205NB	SS	Y	1038	1043	30 in Hg	2 in Hg	JA
SR	101512	EI783	250	5302598	HBL110034	SR-W027-221H-HET-C	437C	INHSG1205NB	SS	Y	1028	1032	28 in Hg	2 in Hg	JA
SR	101512	EI129	250	5302599	HBL110038	SR-W027-221H-HET-C	437C	INHSG1205NB	SS	Y	1038	1042	28 in Hg	0 in Hg	JA
SR	101512	EIA66	250	5302600	MDL0518004	SR-MD-HET	437C	INHSG1205NB	SS	Y	1046	1051	30 in Hg	4 in Hg	JA
SR	101512	EI793	250	5441501	MDL0518006	SR-MD-HET	437C	INHSG1205NB	SS	Y	1051	1056	29 in Hg	4 in Hg	JA
SR	101512	EI358	250	5441502	SWD12060	SR-SWMF-HET-A	435C	INHSG1205NB	SS	Y	1058	1100	30 in Hg	2 in Hg	JA
SR	101512	EIB54	250	5441503	SR46024XA	SR-MD-PAD1	435C	INHSG1205NB	SS	Y	1045	1047	30 in Hg	2 in Hg	JA
SR	101512	EI687	250	5441504	SD00005553	SR-SDD-HET-A	435C	INHSG1205NB	SS	Y	1059	1102	30 in Hg	0 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

005

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 33 Page 2 of 2

Field Batch Number: SRHSG1223					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0518	11/30/2012	JA 10/15/12
Shipping Tracking # 800118661873	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 10/15/12
		Min /Max Thermometer	723191 XC0507	7/12/2013 7/12/2013	JA 10/15/12 JA 10/15/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441505		TID Initials and date: JA 10/15/12			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 10/15/12 1013		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 10/15/12 1630	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

006

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	4	7	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 28 in Hg	T= 22.7	101512	1008	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 22.7	101512	1013	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

007

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	D	1	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 **Drum Number:** BCSWB06C

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 22.7	101512	1020	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 22.7	101512	1025	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	2	3	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 **Drum Number:** BCSWB06C

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 29 in Hg	T= 22.7	101512	1020	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 22.7	101512	1025	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

009

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	A	0	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR HSG1223 Drum Number: MD052000 5A

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T=22.7	101512	1050	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T=22.7	101512	1054	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	B	1	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG-1223 Drum Number: MDL032702A

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 22.7	101512	1036	
Before Sample Collection	M=	P= 36			
Field-	C= 2 in Hg	T= 22.7	101512	1041	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

011

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	B	4	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: SR595647

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 22.7	101512	1029	
Before Sample Collection	M=	P= 30			
Field-	C=0 in Hg	T= 22.7	101512	1033	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	D	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: SWD11222

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T=22.7	101512	1030	
Before Sample Collection	M=	P= 30			
Field-	C=2 in Hg	T=22.7	101512	1033	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	9	4	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: SWD031909B

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 22.7	101512	1038	//
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 22.7	101512	1043	//
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

014

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	7	8	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: HBL110034

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 28 in Hg	T= 22.7	101512	1028	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 22.7	101512	1032	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	1	2	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRH5G1223 Drum Number: HIBL110038

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 28 in Hg	T= 22.7	101512	1038	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 22.7	101512	1042	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	A	6	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: MDL0518004

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 22.7	101512	1046	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 22.7	101512	1051	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	7	9	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61223 Drum Number: MDL05180004

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 29 in Hg	T=22.7	101512	1051	
Before Sample Collection	M=	P= 30			
Field-	C=4 in Hg	T=22.7	101512	1056	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

018

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	3	5	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 Drum Number: SWD120620

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1100	TBL
Cleaning Batch: 435C	M= <5.0E-2	P= 640T			
Field-	C=30 in Hg	T=22.7	101512	1058	
Before Sample Collection	M=	P= 30			
Field-	C=2 in Hg	T=22.7	101512	1100	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

5	R	1	0	1	5	1	2	E	I	B	5	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRH5G1223 Drum Number: SR46024XA

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1100	TBL
Cleaning Batch: 435C	M= <5.0E-2	P= 640T			
Field-	C=30 in Hg	T=22.1	101512	1045	
Before Sample Collection	M=	P= 30			
Field-	C=2 in Hg	T=22.7	101512	1047	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	1	5	1	2	E	I	6	8	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1223 **Drum Number:** SD00005553

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1100	TBL
Cleaning Batch: 435C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 22.7	101512	1059	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 22.7	101512	1102	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Wednesday, December 14, 2011 4:23 PM
To: Broomfield, Barbara J.; Walters, Ed E.; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1114NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

023

Poirier, Joe

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Tuesday, May 01, 2012 4:36 PM
To: Broomfield, Barbara J.; Poirier, Joe; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1201NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

024

Attachment 2 – Sample Container Data Form Page 1 of 2

Field Batch Number: SRHSG1223

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	BCSWB06C	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016	2	3.7×10^{-6}	3
2	MD0520005A	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$> 7.4 \times 10^{-6}$	6
3	MDL032702A	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
4	SR595647	3	S5000	Y	Y	0.3	4	2	NucFil-307DS, NucFil-013	2	3.7×10^{-6}	3
5	SWD11222	3	S5000	N	N	NA	4	2	NucFil-019DS	2	3.7×10^{-6}	3
6	SWD031909B	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
7	HBL110034	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
8	HBL110038	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
9	MDL0518004	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
10	MDL0518006	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
11	SWD12060	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$> 7.4 \times 10^{-6}$	6
12	SR46024XA	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$> 7.4 \times 10^{-6}$	6
13	SD00005553	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	3	$> 7.4 \times 10^{-6}$	6
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

520

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1223

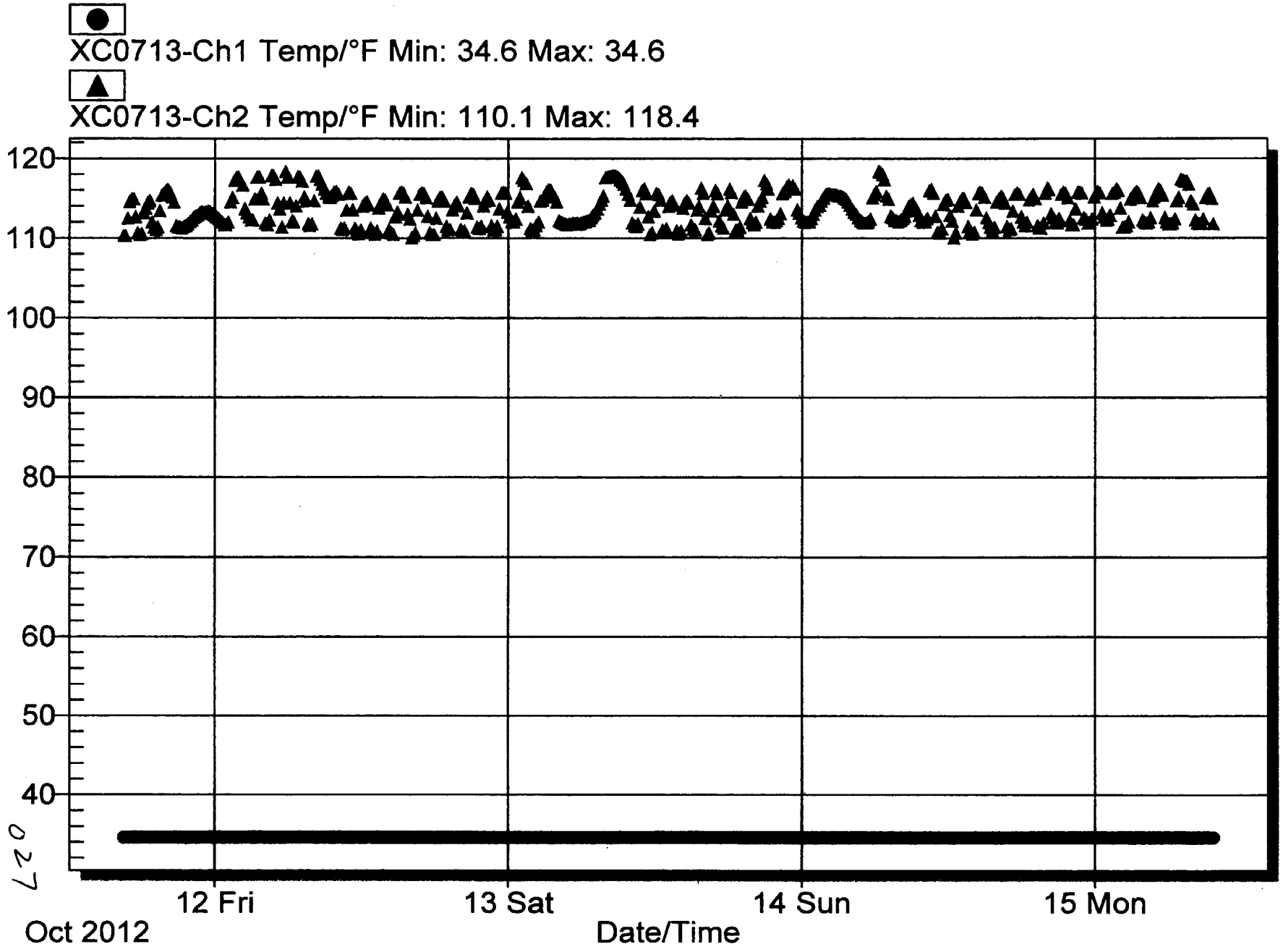
	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0713 & XC0703 Temperature Recorder Calibration Due Date: 5/8/13 & 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BCSWB06C	7/17/2012	7/17/2012	16	90	60	Y	10/12/12 0955	10/15/12 0955
2	MD0520005A	6/12/2012	6/12/2012	56	125	85	Y	10/12/12 0955	10/15/12 0955
3	MDL032702A	9/7/2007	9/7/2007	46	1865	55	Y	10/12/12 0955	10/15/12 0955
4	SR595647	8/16/1993	8/16/1993	175	7000	25	Y	10/12/12 0955	10/15/12 0955
5	SWD11222	7/11/2011	7/11/2011	16	462	60	Y	10/12/12 0955	10/15/12 0955
6	SWD031909B	4/16/2004	4/16/2004	16	3104	85	Y	10/12/12 0955	10/15/12 0955
7	HBL110034	6/9/2011	6/9/2011	46	494	80	Y	10/12/12 0955	10/15/12 0955
8	HBL110038	6/9/2011	6/9/2011	46	494	65	Y	10/12/12 0955	10/15/12 0955
9	MDL0518004	7/28/2012	7/28/2012	56	79	65	Y	10/12/12 0955	10/15/12 0955
10	MDL0518006	6/6/2005	6/6/2005	56	2688	70	Y	10/12/12 0955	10/15/12 0955
11	SWD12060	1/9/2012	1/9/2012	56	280	95	Y	10/12/12 0955	10/15/12 0955
12	SR46024XA	4/20/2012	4/20/2012	56	178	95	Y	10/12/12 0955	10/15/12 0955
13	SD00005553	8/8/2006	8/8/2006	56	2260	95	Y	10/12/12 0955	10/15/12 0955
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams (Print Name) _____ (Signature) 10/15/12 (Date)

026

Downloaded Data - Monday, October 15, 2012

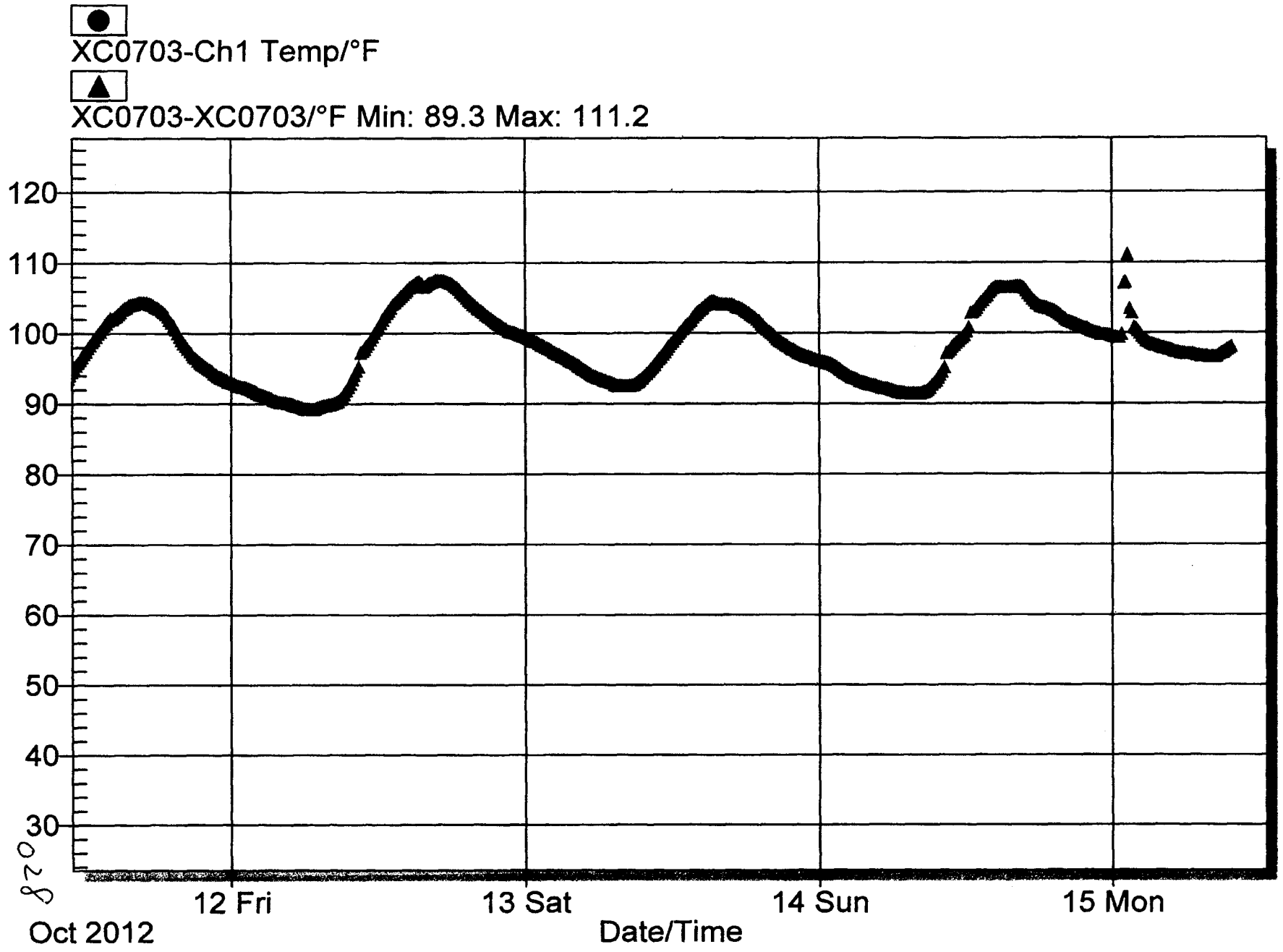
PAD 4 SEALAND 1



027

Downloaded Data - Monday, October 15, 2012

PAD 4 SEALAND 2



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

	Original Record
	Fax Record
X	Electronic Record

☐ Copy

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	srs hsg Sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	10-24-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1223	SPM Checklist	10-24-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Records Accepted ☑	Signature	**Jeffrey Patterson** Printed Name	10-24-12 Date
Records Rejected ☐	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

```
                    **********
                    ***  TX REPORT  ***
                    **********

TRANSMISSION OK

TX/RX NO                2044
DESTINATION TEL #       917204971093
DESTINATION ID          CHARLIE TURNER
ST. TIME                10/24 14:21
TIME USE                00'28
PAGES SENT                1
RESULT                  OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	srs hsg Sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	10-24-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1223	SPM Checklist	10-24-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/05/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1223	BATCH DATA REPORT SRS HSG SAMPLING	10/15/2012	28
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Paulette Henry (Signature)	Paulette Henry (Printed Name)	11-12-12 (Date)
Records Rejected [ ]	(Signature)	(Printed Name)	(Date)

Reason for Rejection:

Re-submittal:	(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1658
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	11/12 14:02
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/05/2012
Telephone Number:	575-234-7523		

Document Number	Title/ Description	Record Date	Total Pages
SRHSG1223	BATCH DATA REPORT SRS HSG SAMPLING	10/15/2012	28
	N/A		

Comments:

SPM CHECKLIST LOCATED IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] Paulette Henry (Signature) **Paulette Henry** (Printed Name) 11-12-12 (Date)

DIVIDER PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1224 **Sampling Date:** 10-22-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers:MDL3968503, FBL03221, WMAPSWB190, WMAPSWB483, FC100029, FC100030, WMAPSWB452, WMAPSWB513, SR57169318
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP INVOICE SUBMITTAL
DATE RECD 10.31.12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1224	Sampling Date: 10-22-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1224	Sampling Date: 10-22-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			

BDR Number: SRHSG1224	Sampling Date: 10-22-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1224			Sampling Date: 10-22-12	
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NA				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
CHARLES TURNER				10-30-12
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1224

Waste Matrix Code: S5300, S5400 and S5410

Waste Container Identification Numbers

MDL3968503	NA
FBL03221	NA
WMAPSWB190	NA
WMAPSWB483	NA
FC100029	NA
FC100030	NA
WMAPSWB452	NA
WMAPSWB513	NA
SR57169318	NA
NA	NA

Comments: This batch contains waste stream I.D.'s: SR-MD-HET, SR-W026-221F-HET, SR-W027-221H-HEPA, SR-W027-235F-HEPA, SR-W027-235F-HET and SR-W027-HBL-BOX

HSG Independent Technical Reviewer:

Dale Dover — Printed Name

Signature

10-25-12 — Date

CCP RECORDS ORIGINAL
DATE REC'D 10-29-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	18
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	20
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	N/A
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	N/A
10.	Shipment Request Forms, if applicable.	N/A
11.	72-Hour Temperature Equilibration Plots	22
12.	Copy of NCRs, if applicable	N/A

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1224

Description	YES	NO	NA	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

003

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

Page 2 of 2

HSG Sampling Batch Number: SRHSG1224

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 16				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Printed Name: DALE QUEEN

Signature

Date: 10-25-12

004

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 34 Page 1 of 2

Location: Under Container Lid	Point of Origin: PAD 4 Sealand 1&2	**Sample Matrix is Gas**	Ambient Conditions
	Field Batch Number: SRHSG1224		Temperature (centigrade): 24.5
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (In.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	102212	EI484	250	5441506	NA	NA	441C	INHSG1205NB	B	NA	1323	1325	30 in Hg	2 in Hg	JA
SR	102212	EI340	250	5441507	MDL3968503	SR-MD-HET	441C	INHSG1114NB	D	Y	1340	1343	30 in Hg	2 in Hg	JA
SR	102212	EIB03	250	5441508	MDL3968503	SR-MD-HET	441C	INHSG1114NB	D	Y	1340	1343	30 in Hg	2 in Hg	JA
SR	102212	EID18	250	5441509	FBL03221	SR-W026-221F-HET	441C	INHSG1205NB	SS	Y	1358	1402	30 in Hg	3 in Hg	JA
SR	102212	EI558	250	5441510	WMAPSWB190	SR-W027-221H-HEPA	441C	INHSG1205NB	SS	Y	1356	1401	28 in Hg	3 in Hg	JA
SR	102212	EIC15	250	5441511	WMAPSWB483	SR-W027-221H-HEPA	436C	INHSG1205NB	SS	Y	1349	1353	30 in Hg	3 in Hg	JA
SR	102212	EIC86	250	5441512	FC100029	SR-W027-235F-HEPA	438C	INHSG1205NB	SS	Y	1407	1411	30 in Hg	2 in Hg	JA
SR	102212	EI169	250	5441513	FC100030	SR-W027-235F-HEPA	438C	INHSG1205NB	SS	Y	1405	1409	30 in Hg	1 in Hg	JA
SR	102212	EI720	250	5441514	WMAPSWB452	SR-W027-235F-HEPA	437C	INHSG1205NB	SS	Y	1350	1355	27 in Hg	1 in Hg	JA
SR	102212	EI912	250	5441515	WMAPSWB513	SR-W027-235F-HET	439C	INHSG1205NB	SS	Y	1348	1351	30 in Hg	2 in Hg	JA
SR	102212	EIA64	250	5441516	SR57169318	SR-W027-HBL-BOX	439C	INHSG1205NB	SS	Y	1359	1403	30 in Hg	3 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required.

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

005

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 34 Page 2 of 2

Field Batch Number: SRHSG1224					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0518	11/30/2012	JA 10/22/12
Shipping Tracking # 800118661976	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 10/22/12
		Min /Max Thermometer	XC0688 XC0551	7/12/2013 3/7/2013	JA 10/22/12 JA 10/22/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441517		TID Initials and date: JA 10/22/12			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 10/22/12 1325		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 10/22/12 1430	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

906

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	4	8	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG-1224 **Drum Number:** N/A

Sampling Organization: CCP **Sample Description:** Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C=30 in Hg	T= 24.5	102212	1323	[illegible]
Before Sample Collection	M=	P= 30			
Field-	C=2 in Hg	T= 24.5	102212	1325	[illegible]
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	3	4	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 Drum Number: MDL3968503

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=24.5	102212	1340	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 24.5	102212	1343	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	B	0	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG-1224 Drum Number: MDL39608503

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 24.5	102212	1340	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 24.5	102212 ~~102213~~ JA 10/22/12	1343	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

009

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	D	1	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 **Drum Number:** FBL03221

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 24.5	102212	1358	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 24.5	102212	1402	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	5	5	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SBHSG1224 Drum Number: WMAPSWB190

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 28 in Hg	T=24.5	102212	1354	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T=24.5	102212	1401	
After Sample Collection	M=	P=30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	C	1	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 Drum Number: WMAPSWB483

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1330	TBL
Cleaning Batch: 436C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 24.5	102212	1349	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 24.5	102212	1353	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

SB	10	22	12	E	I	C	8	6
Z Z	M M	D D	Y Y	A	A	X	X	X
Sampling Site		Date				Canister ID		

Batch Number: SBHSG1224 Drum Number: FC100029

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	071912	1515	TBL
Cleaning Batch: 438C	M= <5.0E-2	P= 645T			
Field-	C= 30 in Hg	T= 24.5	102212	1407	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 24.5	102212	1411	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

013

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	1	6	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 **Drum Number:** FC100030

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	071912	1515	TBL
Cleaning Batch: 438C	M= <5.0E-2	P= 645T			
Field-	C= 30 in Hg	T= 24.5	102212	1405	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 24.5	102212	1409	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

014

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	7	2	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 Drum Number: WMAPSWB452

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 27 in Hg	T= 24.5	102212	1350	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 24.5	102212	1355	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	9	1	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1224 Drum Number: WMAP8WB513

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	072512	1015	TBL
Cleaning Batch: 439C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=24.5	102212	1348	
Before Sample Collection	M=	P= 30			
Field-	C=2 in Hg	T=24.5	102212	1351	
After Sample Collection	M=	P=30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

016

GAS SAMPLE CANISTER TAG

S	R	1	0	2	2	1	2	E	I	A	6	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61224 Drum Number: SR571069318

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	072512	1015	TBL
Cleaning Batch: 439C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 24.5	102212	1359	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 24.5	102212	1403	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

017

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Wednesday, December 14, 2011 4:23 PM
To: Broomfield, Barbara J.; Walters, Ed E.; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1114NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

019

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1224

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	MDL3968503	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$>7.4 \times 10^{-6}$	6
2	FBL03221	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	3	$>7.4 \times 10^{-6}$	6
3	WMAPSWB190	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
4	WMAPSWB483	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
5	FC100029	3	S5000	N	N	NA	5	1	NucFil-019DS	3	$>7.4 \times 10^{-6}$	6
6	FC100030	3	S5000	N	N	NA	5	1	NucFil-019DS	3	$>7.4 \times 10^{-6}$	6
7	WMAPSWB452	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
8	WMAPSWB513	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
9	SR57169318	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

020

Attachment 2 – Sample Container Data Form (Continued) Page 2 of 2

Field Batch Number: SRHSG1224

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0710 and XC0703 Temperature Recorder Calibration Due Date: 3/7/13 and 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	MDL3968503	10/13/2011	10/13/2011	56	375	100	Y	10/19/2012 1320	10/22/2012 1320
2	FBL03221	2/26/2003	2/26/2003	56	3526	100	Y	10/19/2012 1320	10/22/2012 1320
3	WMAPSWB190	8/6/2012	8/6/2012	56	77	95	Y	10/19/2012 1320	10/22/2012 1320
4	WMAPSWB483	2/6/2012	2/6/2012	56	259	95	Y	10/19/2012 1320	10/22/2012 1320
5	FC100029	3/1/2011	3/1/2011	56	601	75	Y	10/19/2012 1320	10/22/2012 1320
6	FC100030	3/1/2011	3/1/2011	56	601	75	Y	10/19/2012 1320	10/22/2012 1320
7	WMAPSWB452	1/4/2012	1/4/2012	56	292	95	Y	10/19/2012 1320	10/22/2012 1320
8	WMAPSWB513	6/22/2012	6/22/2012	56	122	80	Y	10/19/2012 1320	10/22/2012 1320
9	SR57169318	5/23/2011	5/23/2011	16	518	65	Y	10/19/2012 1320	10/22/2012 1320
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

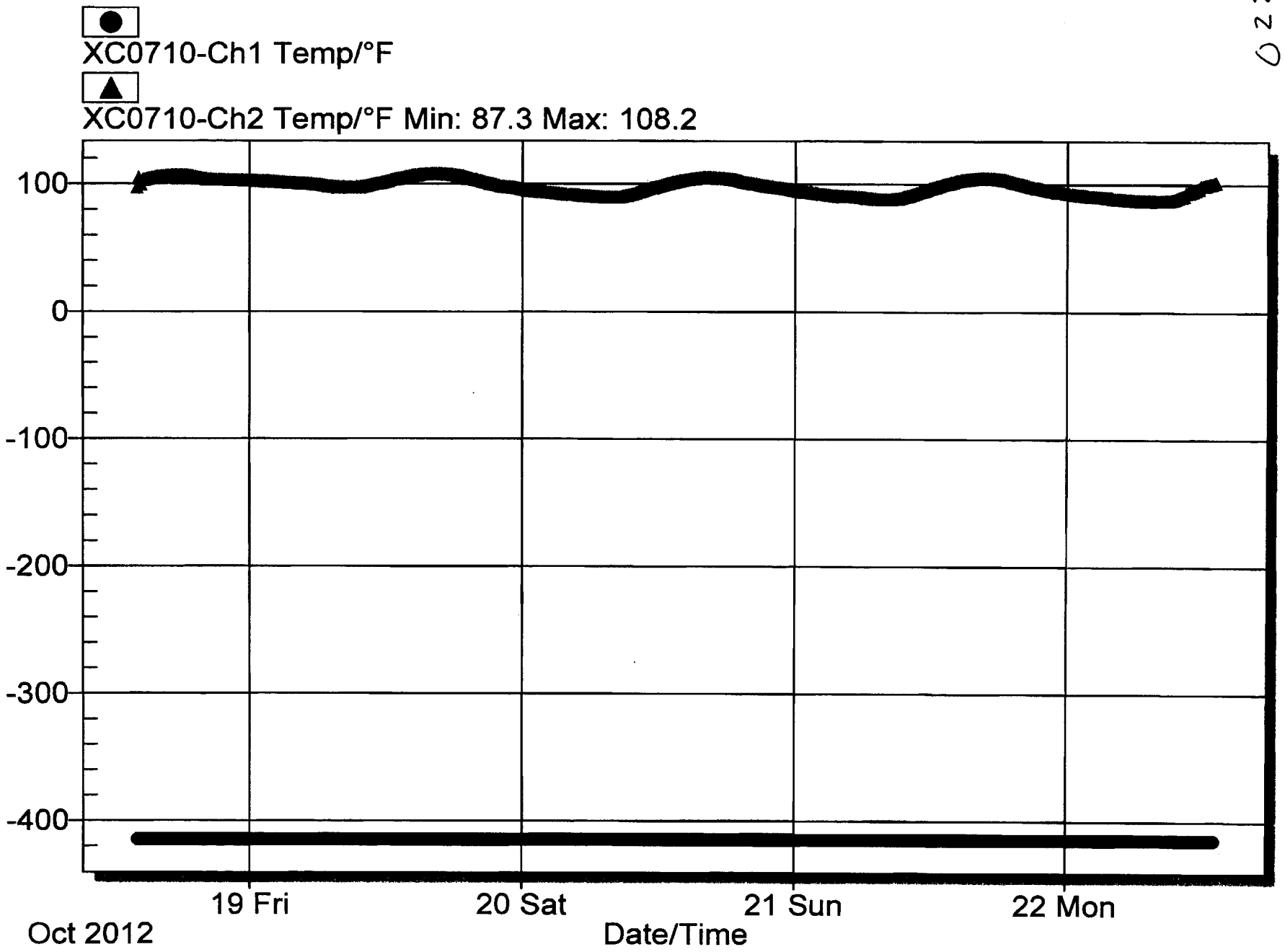
HSG Sampler: James Adams 10/25/12
Print Name Signature Date

021

Downloaded Data - Monday, October 22, 2012

PAD 4 Sealand 2

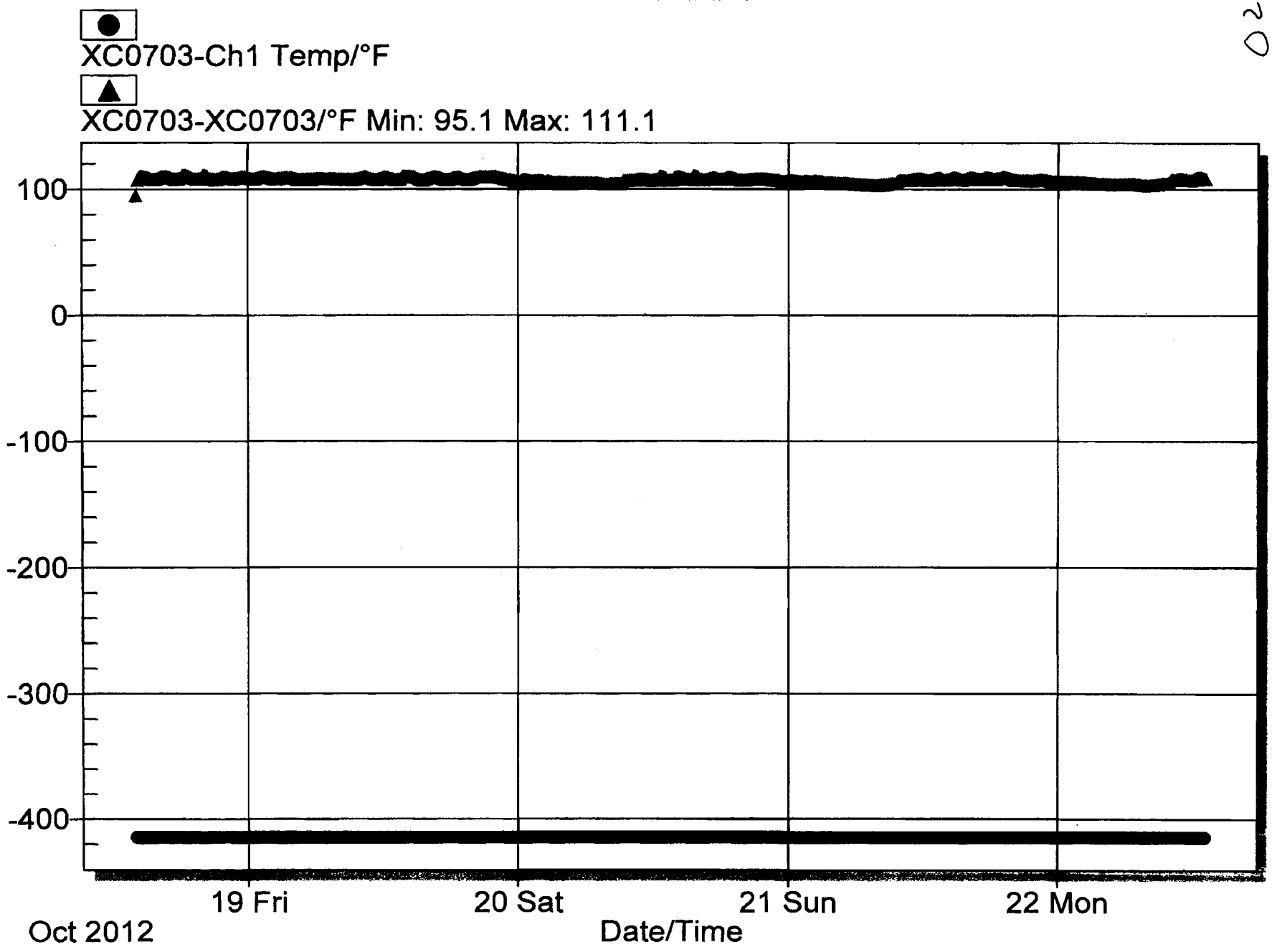
022



Downloaded Data - Monday, October 22, 2012

PAD 4 Sealand 1

023



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS HSG Sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	10-30-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1224	SPM Checklist	10-30-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Linda Martin — Signature — Linda Martin — Printed Name — 10.31.12 — Date

Records Rejected [ ] _____ Signature _____ Printed Name _____ Date

Reason for Rejection:

Re-submittal: _____ Signature _____ Printed Name _____ Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1489
DESTINATION TEL #	917204971093
DESTINATION ID	CHARLIE TURNER
ST. TIME	10/31 08:38
TIME USE	00'27
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS HSG Sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	10-30-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1224	SPM Checklist	10-30-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/05/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1224	BATCH DATA REPORT SRS HSG SAMPLING	10/25/2012	23
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Paulette Henry (Signature)	Paulette Henry (Printed Name)	11-12-12 (Date)
Records Rejected [ ]	(Signature)	(Printed Name)	(Date)

Reason for Rejection:

Re-submittal:	(Signature)	(Printed Name)	(Date)

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1659
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	11/12 14:03
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/05/2012
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SRHSG1224	BATCH DATA REPORT SRS HSG SAMPLING	10/25/2012	23
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] Paulette Henry (Signature) Paulette Henry (Printed Name) 11-12-12 (Date)

DIVIDER PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1225 **Sampling Date:** 10-29-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR54300504, SR54300605, SR54300606, SR54064302, SR54064306, SR54064303, SR54064304, FBL06203
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 11-7-12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1225	Sampling Date: 10-29-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1225	Sampling Date: 10-29-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			

BDR Number: SRHSG1225	Sampling Date: 10-29-12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1225			Sampling Date: 10-29-12	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NA				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
CHARLES TURNER — SPM Printed Name	Signature			11-6-12 — Date

Checklist is to be re-signed only when a re-review is performed.

ROGER WAITEAKER		SR5406430	11/20/12
SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Controlled Copy

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1225

Waste Matrix Code: S5400 and S5300

Waste Container Identification Numbers

SR54300504	NA
SR54300605	NA
SR54300606	NA
SR54064302	NA
SR54064303	NA
SR54064304	NA
SR54064306	NA
FBL06203	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.'s: SR-W027-HBL-BOX and SR-W026-221F-HET.

HSG Independent Technical Reviewer:

Printed Name Signature Date 11-1-12

CCP RECORDS ORIGINAL
DATE REC'D 11-5-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	17
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	19
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	N/A
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	N/A
10.	Shipment Request Forms, if applicable.	N/A
11.	72-Hour Temperature Equilibration Plots	21
12.	Copy of NCRs, if applicable	N/A

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1225

Description	YES	NO	NA	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1225

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 16				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Dale Rivera
Printed Name

Signature

11-1-12
Date

004

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 35 Page 1 of 2

Location: Under Container Lid	Point of Origin: TRU PAD 4 Sealand 1&2	**Sample Matrix is Gas**	Ambient Conditions
	Field Batch Number: SRHSG1225		Temperature (centigrade): 10.9
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	102912	EIA25	250	5441518	NA	NA	441C	INHSG1205NB	B	NA	0920	0924	29 in Hg	2 in Hg	JA
SR	102912	EIB36	250	5441519	SR54300504	SR-W027-HBL-BOX	441C	INHSG1114NB	D	Y	0929	0932	30 in Hg	2 in Hg	JA
SR	102912	EI759	250	5441520	SR54300504	SR-W027-HBL-BOX	441C	INHSG1114NB	D	Y	0929	0932	30 in Hg	0 in Hg	JA
SR	102912	EID01	250	5441521	SR54300605	SR-W027-HBL-BOX	441C	INHSG1205NB	SS	Y	1009	1012	30 in Hg	2 in Hg	JA
SR	102912	EI919	250	5441522	SR54300606	SR-W027-HBL-BOX	441C	INHSG1205NB	SS	Y	0947	0952	30 in Hg	4 in Hg	JA
SR	102912	EI684	250	5441523	SR54064302	SR-W027-HBL-BOX	442C	INHSG1205NB	SS	Y	1024	1028	30 in Hg	3 in Hg	JA
SR	102912	EI365	250	5441524	SR54064303	SR-W027-HBL-BOX	442C	INHSG1205NB	SS	Y	0939	0943	30 in Hg	3 in Hg	JA
SR	102912	EID40	250	5441525	SR54064304	SR-W027-HBL-BOX	442C	INHSG1205NB	SS	Y	1033	1038	29 in Hg	3 in Hg	JA
SR	102912	EI308	250	5441526	SR54064306	SR-W027-HBL-BOX	442C	INHSG1205NB	SS	Y	1016	1020	28 in Hg	3 in Hg	JA
SR	102912	EIB11	250	5441527	FBL06203	SR-W026-221F-HET	442C	INHSG1205NB	SS	Y	0957	1002	30 in Hg	4 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

005

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 35 Page 2 of 2

Field Batch Number: SRHSG1225					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0518	11/30/2012	JA 10/29/12
Shipping Tracking # 800118661987	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 10/29/12
		Min /Max Thermometer	XC0697 XC0689	10/9/2013 10/3/2013	JA 10/29/12 JA 10/29/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441528		TID Initials and date: JA 10/29/12			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 10/29/12 0924		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 10/29/12 1630	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

900

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	A	2	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 **Drum Number:** N/A

Sampling Organization: CCP **Sample Description:** Field blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 10.9	102912	0920	JH
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 10.9	102912	0924	JH
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: JH

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	B	3	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61225 **Drum Number:** SR54300504

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	0929	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 10.9	102912	0932	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	7	5	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 Drum Number: SR54300504

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	0929	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 10.9	102912	0932	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

009

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	D	0	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 Drum Number: SR543006605

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	1009	JA
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 10.9	102912	1012	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

5	R	1	0	2	9	1	2	E	I	9	1	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: 5BHSG1225 **Drum Number:** SR543006004

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	0947	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 10.9	102912	0952	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	6	8	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 Drum Number: SR540644302

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	1024	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 10.9	102912	1028	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

012

GAS SAMPLE CANISTER TAG

5	R	1	0	2	9	1	2	E	I	3	6	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG-1225 **Drum Number:** SR5406 4303

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	0939	gf
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 10.9	102912	0943	gf
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	√		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	D	4	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 Drum Number: SR5404304

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 10.9	102912	1033	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 10.9	102912	1038	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

014

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	3	0	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 Drum Number: SR5404306

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 28 in Hg	T= 10.9	102912	1016	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 10.9	102912	1020	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

GAS SAMPLE CANISTER TAG

S	R	1	0	2	9	1	2	E	I	B	1	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1225 **Drum Number:** FBL06203

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 10.9	102912	0957	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 10.9	102912	1002	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) *(Circle one)*

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Wednesday, December 14, 2011 4:23 PM
To: Broomfield, Barbara J.; Walters, Ed E.; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1114NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

018

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1225

Container ID		Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR54300504	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
2	SR54300605	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
3	SR54300606	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
4	SR54064302	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
5	SR54064303	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
6	SR54064304	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
7	SR54064306	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
8	FBL06203	3	S5000	N	N	NA	5	1	NucFil-019DS	2	$>7.4 \times 10^{-6}$	6
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

019

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1225

Container ID		Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0710 and XC0703 Temperature Recorder Calibration Due Date: 3/7/13 and 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR54300504	8/6/2012	8/6/2012	56	84	90	Y	10/26/12 0858	10/29/12 0858
2	SR54300605	8/15/2012	8/15/2012	56	75	90	Y	10/26/12 0858	10/29/12 0858
3	SR54300606	8/15/2012	8/15/2012	56	75	100	Y	10/26/12 0858	10/29/12 0858
4	SR54064302	8/24/2012	8/24/2012	56	66	90	Y	10/26/12 0858	10/29/12 0858
5	SR54064303	8/24/2012	8/24/2012	56	66	100	Y	10/26/12 0858	10/29/12 0858
6	SR54064304	8/24/2012	8/24/2012	56	66	100	Y	10/26/12 0858	10/29/12 0858
7	SR54064306	8/24/2012	8/24/2012	56	66	95	Y	10/26/12 0858	10/29/12 0858
8	FBL06203	1/12/2006	1/12/2006	56	2482	75	Y	10/26/12 0858	10/29/12 0858
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

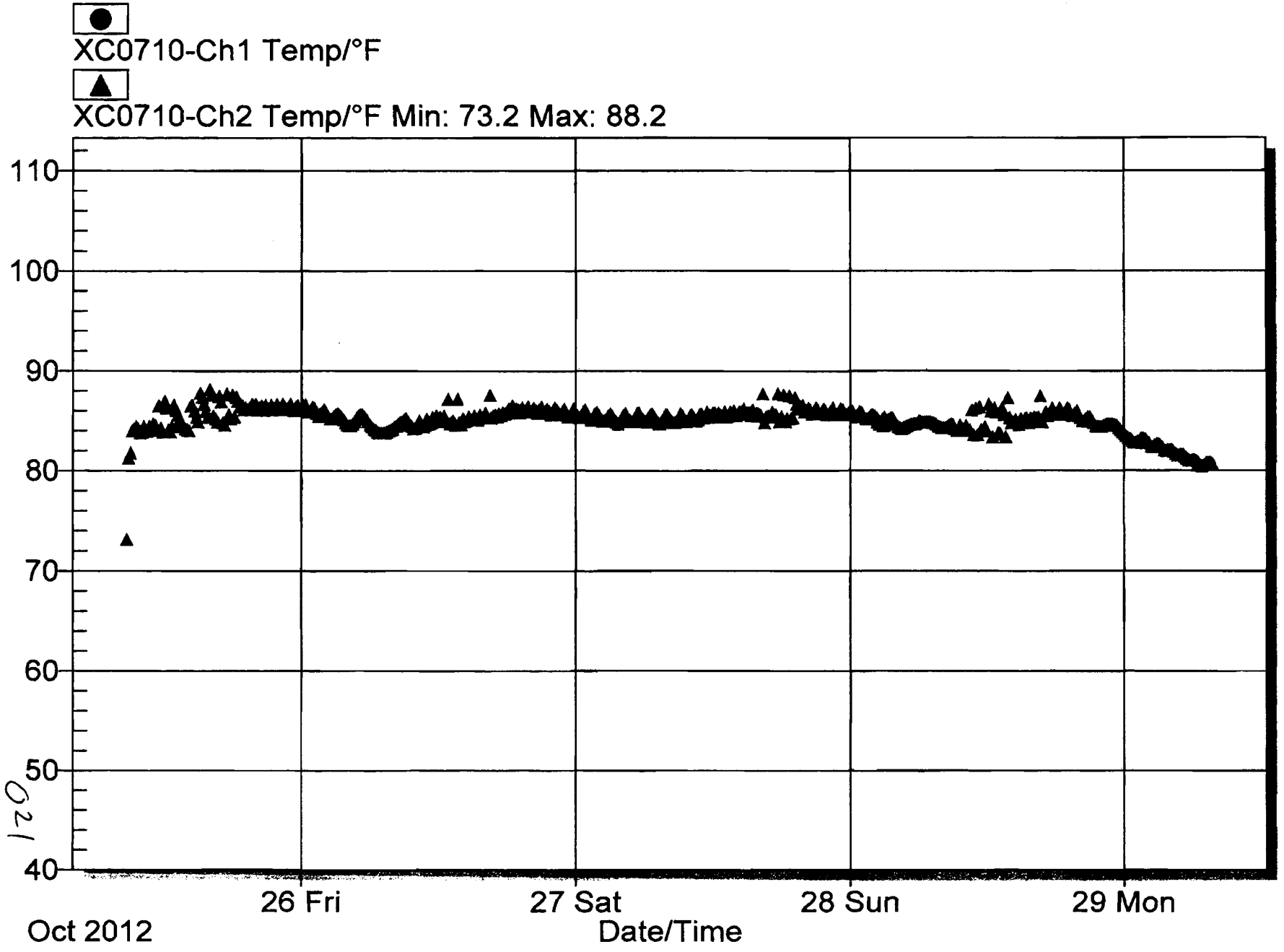
Signature

10/29/12
Date

020

Downloaded Data - Monday, October 29, 2012

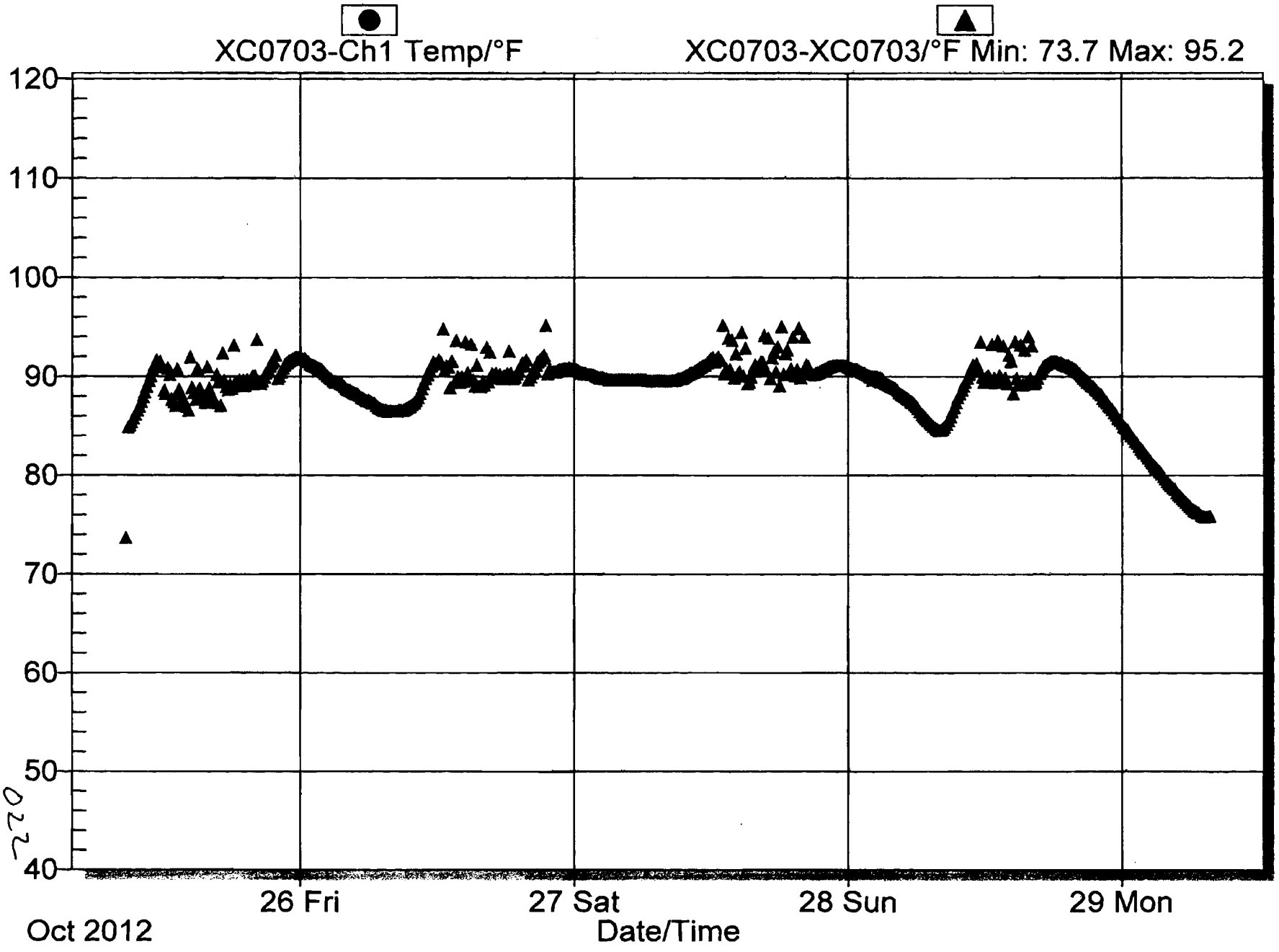
PAD 4 Sealand 1



021

Downloaded Data - Monday, October 29, 2012

PAD 4 Sealand 2



022

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS HSG sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	11-6-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1225	SPM Checklist	11-6-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	SHERI PUNCHIOS Printed Name	11-7-12 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

```
**********************
***   TX REPORT   ***
**********************

TRANSMISSION OK

TX/RX NO                2282
DESTINATION TEL #       917204971093
DESTINATION ID          CHARLIE TURNER
ST. TIME                11/07 08:16
TIME USE                00'26
PAGES SENT                1
RESULT                  OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS HSG sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	11-6-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1225	SPM Checklist	11-6-12	5
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/07/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1225	BATCH DATA REPORT SRS HSG SAMPLING	10/29/2012	22
	N/A		

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Paulette Henry	Paulette Henry	11-13-12
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1665
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	11/13 09:21
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/07/2012
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SRHSG1225	BATCH DATA REPORT SRS HSG SAMPLING	10/29/2012	22
	N/A		

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] Paulette Henry (Signature) **Paulette Henry** (Printed Name) 11-13-12 (Date)

DIVIDER PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1226				**Sampling Date:** 11-5-12
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: BCSWB06D, HC020013, MD0311403A, MDL011079, SR57055565
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 11.14.12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1226	Sampling Date: 11-5-12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1226 **Sampling Date:** 11-5-12

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1226			**Sampling Date:** 11-5-12	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NA				

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

CHARLES TURNER		11-13-12
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1226

Waste Matrix Code: S5400

Waste Container Identification Numbers

BCSWB06D	NA
HC020013	NA
MD0311403A	NA
MDL011079	NA
SR57055565	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.'s: SR-BCLDP-HET, SR-W027-HBL-BOX and SR-MD-HET.

HSG Independent Technical Reviewer:

Dave Koven
Printed Name

Signature

11-08-12
Date

CCP RECORDS ORIGINAL
DATE REC'D 11-13-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	14
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	16
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	N/A
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	N/A
10.	Shipment Request Forms, if applicable.	N/A
11.	72-Hour Temperature Equilibration Plots	18
12.	Copy of NCRs, if applicable	N/A

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1226

Description		**YES**	**NO**	**NA**	
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation		**YES**	**NO**	**NA**	**Comments**
2.	Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3.	Did the containers meet the DAC?	X			
4.	Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5.	Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples					
Precision		**YES**	**NO**	**NA**	**Comments**
6.	Was a Field Duplicate collected once per batch?	X			
Accuracy		**YES**	**NO**	**NA**	**Comments**
7.	Was a Field Reference Sample collected?		X		Not Required
8.	Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness		**YES**	**NO**	**NA**	**Comments**
9.	Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks		**YES**	**NO**	**NA**	**Comments**
10.	Is the data technically reasonable based upon the technique used?	X			
11.	Was the sampling equipment checked for leaks after sample collection?	X			
12.	Was the data generation and reduction conducted in a technically correct manner?	X			
13.	Was the data reported in proper units and with the correct number of significant figures?	X			
14.	Were the samples maintained at a temperature between 0°C - 40°C?	X			
15.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

003

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1226

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 16				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Dale Dowen
Printed Name

Signature

11-08-12
Date

004

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 36 Page 1 of 2

Location: Under Container Lid	Point of Origin: PAD 4 Sealand 1	**Sample Matrix is Gas**	Ambient Conditions
	Field Batch Number: SRHSG1226		Temperature (centigrade): 32.5
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	110512	EI917	250	5441529	NA	NA	440C	INHSG1205NB	B	NA	0952	0957	30 in Hg	3 in Hg	JA
SR	110512	EIA51	250	5441530	BCSWB06D	SR-BCLDP-HET	440C	INHSG1114NB	D	Y	1003	1005	30 in Hg	1 in Hg	JA
SR	110512	EI949	250	5441531	BCSWB06D	SR-BCLDP-HET	440C	INHSG1114NB	D	Y	1003	1005	29 in Hg	1 in Hg	JA
SR	110512	EIB29	250	5441532	HC020013	SR-W027-HBL-BOX	440C	INHSG1205NB	SS	Y	1020	1023	30 in Hg	2 in Hg	JA
SR	110512	EID89	250	5441533	MD0311403A	SR-MD-HET	440C	INHSG1205NB	SS	Y	1010	1015	30 in Hg	2 in Hg	JA
SR	110512	EI174	250	5441534	MDL011079	SR-MD-HET	440C	INHSG1205NB	SS	Y	1011	1016	30 in Hg	2 in Hg	JA
SR	110512	EID92	250	5441535	SR57055565	SR-W027-HBL-BOX	424C	INHSG1205NB	SS	Y	1009	1013	30 in Hg	1 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 36

Page 2 of 2

Field Batch Number: SRHSG1226					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0518	11/30/2012	JA 11/5/12
Shipping Tracking # 800118662001	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 11/5/12
		Min /Max Thermometer	XC0504 723191	9/24/2013 7/12/2013	JA 11/5/12 JA 11/5/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441536		TID Initials and date: JA 11/5/12			

Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 11/5/12 0957		
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 11/5/12 1630	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)	Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:	

900

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	9	1	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1226 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 32.5	110512	0952	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 32.5	110512	0957	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

007

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	A	5	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG-1226 Drum Number: BCSWB06D

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 32.5	110512	1003	
Before Sample Collection	M= .	P= 30			
Field-	C= 1 in Hg	T= 32.5	110512	1005	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

008

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	9	4	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG-1226 Drum Number: BCSWB06D

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 32.5	110512	1003	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 32.5	110512	1005	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

009

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	B	2	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1226 **Drum Number:** HC020013

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 32.5	110512	1020	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 32.5	110512	1023	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

010

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	D	8	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG12260 Drum Number: MD0311403A

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=32.5	110512	1010	
Before Sample Collection	M=	P=30			
Field-	C= 2 in Hg	T=32.5	110512	1015	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev 09-05

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	I	1	7	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1226 **Drum Number:** MDL0110179

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=32.5	110512	1011	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T=32.5	110512	1016	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	1	0	5	1	2	E	1	D	9	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1226 Drum Number: SR57055565

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	041212	0930	TBL
Cleaning Batch: 424C	M= <5.0E-2	P= 635T			
Field-	C= 30 in Hg	T= 32.5	110512	1009	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 32.5	110512	1013	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder [Catherine.Crowder@inl.gov]
Sent: Wednesday, December 14, 2011 4:23 PM
To: Broomfield, Barbara J.; Walters, Ed E.; charles.turner@wipp.ws
Subject: Needle Assembly Blanks

Analytical results for needle assembly equipment blanks in field batch INHSG1114NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table B3-2 in Permit Attachment B3.

014

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1226

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	BCSWB06D	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
2	HC020013	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.4 \times 10^{-6}$	6
3	MD0311403A	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	MDL011079	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
5	SR57055565	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

016

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1226

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0710 Temperature Recorder Calibration Due Date: 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BCSWB06D	7/2/2012	7/2/2012	56	126	100	Y	11/2/2013 0950	11/5/2013 0950
2	HC020013	7/23/2012	7/23/2012	56	105	100	Y	11/2/2013 0950	11/5/2013 0950
3	MD0311403A	5/23/2012	5/23/2012	16	166	100	Y	11/2/2013 0950	11/5/2013 0950
4	MDL011079	9/4/2012	9/4/2012	16	62	70	Y	11/2/2013 0950	11/5/2013 0950
5	SR57055565	4/4/2012	4/4/2012	16	215	50	Y	11/2/2013 0950	11/5/2013 0950
6	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

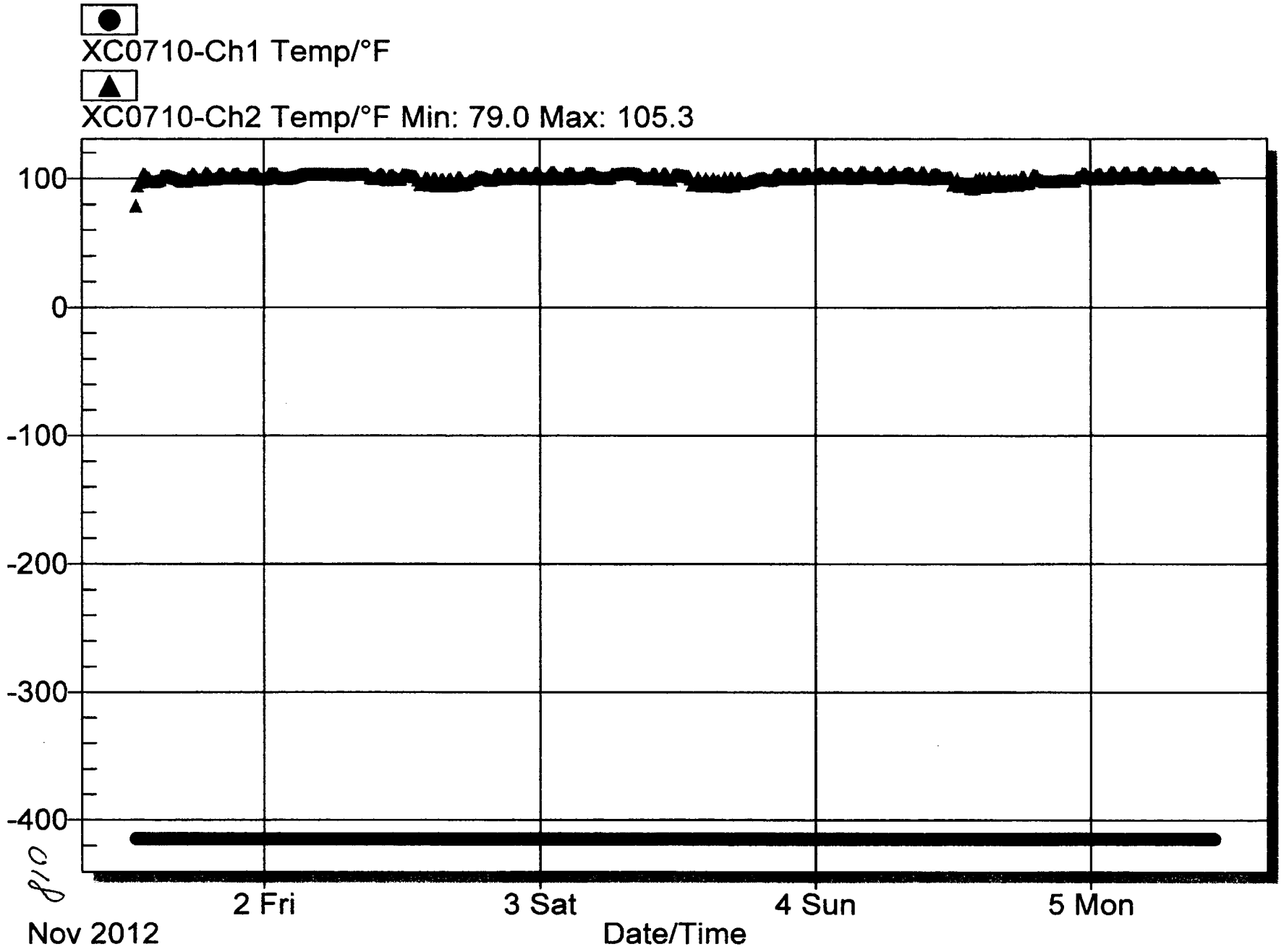
Signature

11/5/12
Date

017

Downloaded Data - Monday, November 05, 2012

PAD 4 SeaLand 1



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS hsg sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	11-13-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1226	SPM Checklist	11-13-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson (Printed Name)	11-14-12 (Date)
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

```
**********************
***   TX REPORT   ***
**********************

TRANSMISSION OK

TX/RX NO                2555
DESTINATION TEL #       918032081690
DESTINATION ID          SRS
ST. TIME                11/14 13:00
TIME USE                00'17
PAGES SENT                1
RESULT                  OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212. Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

	Original Record	☐ Copy
	Fax Record	
X	Electronic Record	

Attn:	Sheila Pearcy	From:	Charles Turner
Ship to:	CCP Records	Site:	SRS hsg sampling
	4021 National Parks Highway	Company:	CCP
	GSA-212	Telephone Number:	7204971093
	Carlsbad, NM 88220	Date Sent:	11-13-12
Telephone Number:	NA		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1226	SPM Checklist	11-13-12	4
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/14/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1226	BATCH DATA REPORT SRS HSG SAMPLING	11/05/2012	18
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	11/21/12 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2689
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	11/21 09:30
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220
Telephone Number: 575-234-7523 or 575-234-7431
Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-8364
	88220	Date Sent:	11/14/2012
Telephone Number:	575-234-7523		

Document Number	Title/Description	Record Date	Total Pages
SRHSG1226	BATCH DATA REPORT SRS HSG SAMPLING	11/05/2012	18
	N/A		

Comments
SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] _____ Signature | Jeffrey Patterson Printed Name | 11/21/12 Date

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1227 **Sampling Date: 11/12/12**

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR90971 SR98008 SR98029 SR97923 SR503732 SR98045 SR110845 SR108108
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NO NCR'S
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 11-20-12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227	Sampling Date: 11/12/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227	Sampling Date: 11/12/12			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1227	**Sampling Date: 11/12/12**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Laura Nelson (SPM Printed Name)	Laura Nelson (Signature)			11/20/12 (Date)

Checklist is to be re-signed only when a re-review is performed.

Joshua Houghton		Change Page #s on ToC	11-13-13
SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1227

Waste Matrix Code: S5400

Waste Container Identification Numbers

SR90971	NA
SR98008	NA
SR98029	NA
SR97923	NA
SR503732	NA
SR98045	NA
SR110845	NA
SR108108	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.: SR-RH-773A.01.

HSG Independent Technical Reviewer:

Dale Dover
Printed Name

Signature

11-19-12
Date

CCP RECORDS ORIGINAL
DATE REC'D 11-20-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5 15 JH 11-13-13
5.	Copy of Laboratory Canister Tags	15 JH 11-13-13
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	17
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	18
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	N/A
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	N/A
10.	Shipment Request Forms, if applicable.	N/A
11.	72-Hour Temperature Equilibration Plots	20
12.	Copy of NCRs, if applicable	N/A

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1227

Description	**YES**	**NO**	**NA**	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. *Is the percentage of valid samples collected and* submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1227

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: **CCP-TP-093** Revision: **16**				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Vince Woven
Printed Name

Signature

11-19-12
Date

004

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	4	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1227 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	~~11/12/12~~ 111212	1308	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 23.8	111212	1311	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

005

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR90971

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 23.8	111212	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 23.8	111212	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	0	0	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR90971

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 23.8	111212	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R			1	2	1	2	E	I	A	1	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: SR98008

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=23.8	111212	1338	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T=23.8	111212	1342	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev 109-03)

008

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	2	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR98029

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 28 in Hg	T= 23.8	11 1212	1340	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 23.8	11 1212	1344	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	2	1	2	E	I	C	9	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: SR97923

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=23.8	111212	1327	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T=23.8	111212	1331	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

010

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	A	3	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR503732

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	111212	1326	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 23.8	111212	1331	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	✓ VOC's	Hydrogen	Methane

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	2	1	2	E	I	1	5	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR98045

Sampling Organization: CCP **Sample Description:** sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 23.8	11 12 12	1327	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 23.8	11 12 12	1332	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	8	5	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1227 **Drum Number:** SR110845

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T=23.8	111212	1337	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T=23.8	111212	1341	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	1	1	1	2	1	2	E	I	4	3	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1227 Drum Number: SR108108

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=23.8	111212	1337	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T=23.8	111212	1342	
After Sample Collection	M=	P=30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

Attachment 1 – Chain of Custody/Canister Tag Chain of Custody # 37 Page 1 of 2

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 2	**Sample Matrix is Gas**	Ambient Conditions	
		Field Batch Number: SRHSG1227		Temperature (centigrade): 23.8	
				Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	111212	EI496	250	5441537	NA	NA	440C	INHSG1205NB	B	NA	1308	1311	30 in Hg	3 in Hg	JA
SR	111212	EIA95	250	5441538	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	29 in Hg	0 in Hg	JA
SR	111212	EI007	250	5441539	SR90971	SR-RH-773A.01	440C	INHSG1205NB	D	Y	1319	1323	30 in Hg	4 in Hg	JA
SR	111212	EIA18	250	5441540	SR98008	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1338	1342	30 in Hg	0 in Hg	JA
SR	111212	EIA27	250	5441541	SR98029	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1340	1344	28 in Hg	3 in Hg	JA
SR	111212	EIC91	250	5441542	SR97923	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1331	30 in Hg	1 in Hg	JA
SR	111212	EIA37	250	5441543	SR503732	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1326	1331	30 in Hg	1 in Hg	JA
SR	111212	EI155	250	5441544	SR98045	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1327	1332	30 in Hg	1 in Hg	JA
SR	111212	EI856	250	5441545	SR110845	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1341	29 in Hg	0 in Hg	JA
SR	111212	EI439	250	5441546	SR108108	SR-RH-773A.01	440C	INHSG1205NB	SS	Y	1337	1342	30 in Hg	1 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

Attachment 1 – Chain of Custody/Canister Tag (Continued) Chain of Custody # 37 Page 2 of 2

Field Batch Number: SRHSG1227					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 11/12/12
Shipping Tracking # 800118661998	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 11/12/12
		Min /Max Thermometer	XC0690 723196	7/12/2013 7/12/2013	JA 11/12/12 JA 11/12/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441547		TID Initials and date: JA 11/12/12			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP 11/12/12	Date/Time 11/12/12 1311				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 11/12/12 1530	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

9 10

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1227

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR90971	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
2	SR98008	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
3	SR98029	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
4	SR97923	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
5	SR503732	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
6	SR98045	2	S5000	Y	N	1.0	NA	NA	NucFil-019DS	1	3.7×10^{-6}	NA
7	SR110845	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS & NucFil-DVS307	2	3.7×10^{-6}	NA
8	SR108108	2	S5000	Y	Y	0.3	NA	NA	NucFil-307DS	1	3.7×10^{-6}	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

810

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1227

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0710 Temperature Recorder Calibration Due Date: 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR90971	9/23/1982	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
2	SR98008	12/11/1984	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
3	SR98029	4/21/1977	2/10/2008	11	1737	65	Y	11/9/12 1255	11/12/12 1255
4	SR97923	10/6/1986	2/16/2008	11	1731	85	Y	11/9/12 1255	11/12/12 1255
5	SR503732	11/26/1975	2/6/2008	11	1741	90	Y	11/9/12 1255	11/12/12 1255
6	SR98045	10/13/1976	2/10/2008	11	1737	70	Y	11/9/12 1255	11/12/12 1255
7	SR110845	5/22/1975	3/19/2008	25	1699	90	Y	11/9/12 1255	11/12/12 1255
8	SR108108	5/9/1975	5/12/2008	25	1645	90	Y	11/9/12 1255	11/12/12 1255
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

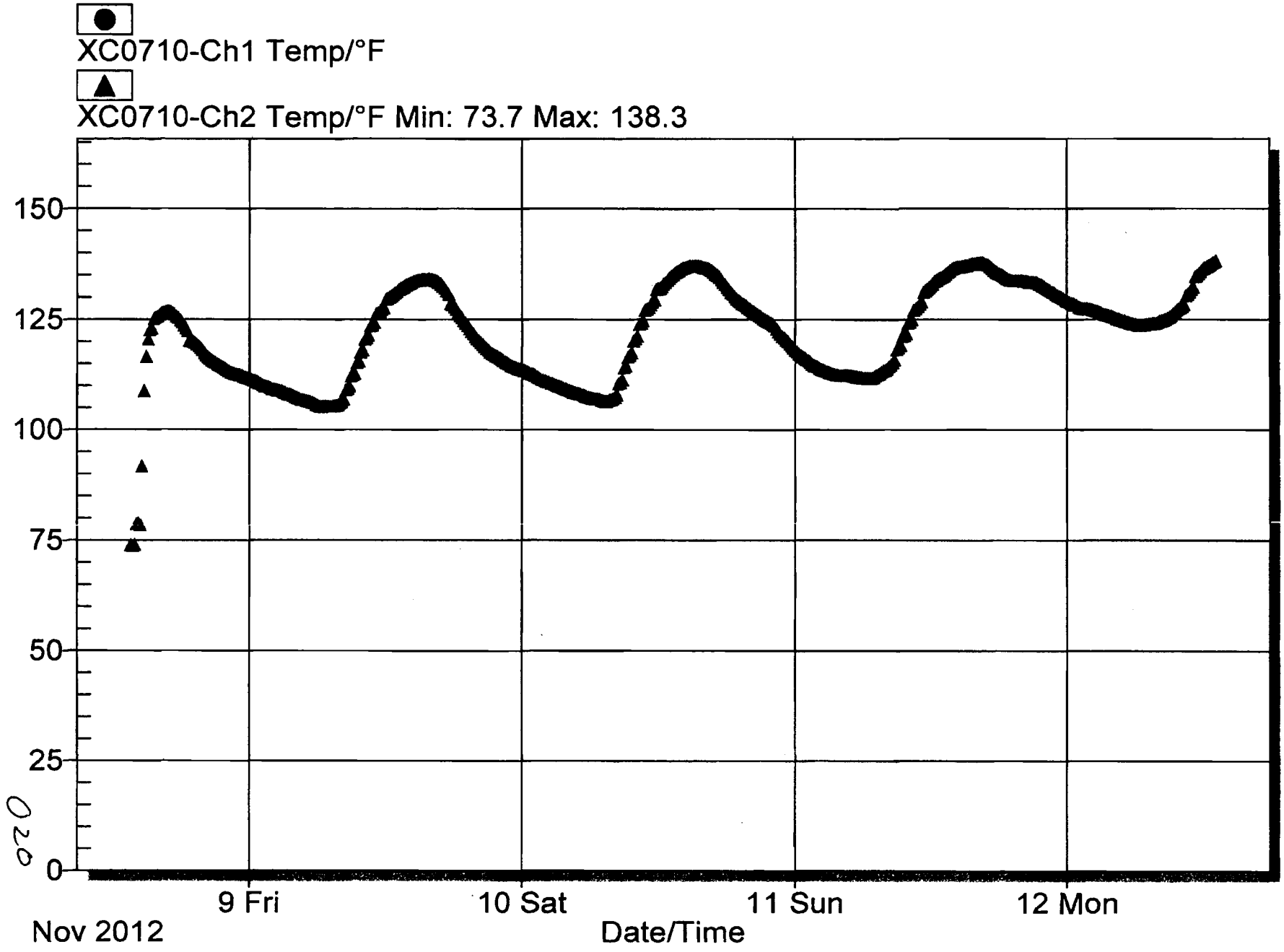
Signature

11/12/12
Date

10

Downloaded Data - Monday, November 12, 2012

PAD 4 Sealand 2



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[x] Electronic Record

Attn:	Linda Martin	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Hwy	Company:	WTS
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	11-20-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227	SPM Checklist	11-20-12	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Linda Martin	Linda Martin	11.20.12
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1784
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	11/20 15:09
TIME USE	00'16
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

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[x] Electronic Record

Attn:	Linda Martin	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Hwy	Company:	WTS
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	11-20-12
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227	SPM Checklist	11-20-12	4
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RH – LINDA MARTIN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/20/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1227	BATCH DATA REPORT SRS RH HSG SAMPLING	11/12/2012	20
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Linda Martin	Linda Martin	11-29-12
	Signature	Printed Name	Date
Records Rejected [ ]			
	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

```
**********************
***   TX REPORT   ***
**********************

TRANSMISSION OK

TX/RX NO                1940
DESTINATION TEL #       912085577396
DESTINATION ID          INL
ST. TIME                11/29 09:02
TIME USE                00'17
PAGES SENT                1
RESULT                  OK
```


Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RH – LINDA MARTIN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	11/20/2012
Telephone Number:	575-234-7523		

SRHSG1227	BATCH DATA REPORT SRS RH HSG SAMPLING	11/12/2012	20
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Linda Martin

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1228	Sampling Date: November 26, 2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR171240F SR171240G SR21524411 SR503978 SR910042 WMAPSWB541 WMAPSWB542 WMAPSWB543
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	None
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/11/12

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1228	Sampling Date: November 26, 2012			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1228	Sampling Date: November 26, 2012			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1228				Sampling Date: November 26, 2012
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M. Cantú			12/11/2012
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1228

Waste Matrix Code: S5400

Waste Container Identification Numbers

SR910042	NA
SR171240G	NA
SR171240F	NA
WMAPSWB541	NA
WMAPSWB542	NA
WMAPSWB543	NA
SR503978	NA
SR21524411	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.'s: SR-W027-221F-HET-A, SR-SWMF-HET-A, SR-BCLDP-HET, SR-W027-773A-HET and SR-W027-HBL-BOX.

HSG Independent Technical Reviewer:

Dale Dower
Printed Name

Signature

11-29-12
Date

Dale Dower

12-11-12

CCP RECORDS ORIGINAL
DATE REC'D 12-3-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	17
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	18
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	NA
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	NA
10.	Shipment Request Forms, if applicable.	NA
11.	72-Hour Temperature Equilibration Plots	20
12.	Copy of NCRs, if applicable	NA

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1228

Description	**YES**	**NO**	**NA**	
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation	**YES**	**NO**	**NA**	**Comments**
2. Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3. Did the containers meet the DAC?	X			
4. Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5. Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples				
Precision	**YES**	**NO**	**NA**	**Comments**
6. Was a Field Duplicate collected once per batch?	X			
Accuracy	**YES**	**NO**	**NA**	**Comments**
7. Was a Field Reference Sample collected?		X		Not Required
8. Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness	**YES**	**NO**	**NA**	**Comments**
9. Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks	**YES**	**NO**	**NA**	**Comments**
10. Is the data technically reasonable based upon the technique used?	X			
11. Was the sampling equipment checked for leaks after sample collection?	X			
12. Was the data generation and reduction conducted in a technically correct manner?	X			
13. Was the data reported in proper units and with the correct number of significant figures?	X			
14. Were the samples maintained at a temperature between 0°C - 40°C?	X			
15. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1228

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 17				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

Dale Dover
Printed Name
Dale Dover

Signature

11-29-12
Date
12-11-12

004

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid					Point of Origin: TRU PAD 4 Sealand 1&2		Sample Matrix is Gas		Ambient Conditions						
					COC Number: ~~38~~ SRHSG1228 11/29/12				Temperature (centigrade):26.5						
									Pressure (in. Hg): 30						
Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	112612	EI593	250	5441548	NA	NA	428C	INHSG1205NB	B	NA	1317	1322	30 in Hg	3 in Hg	JA
SR	112612	EI104	250	5441549	SR910042	SR-W027-221F-HET-A	421C	INHSG1205NB	D	Y	1334	1338	29 in Hg	3 in Hg	JA
SR	112612	EIE12	250	5441550	SR910042	SR-W027-221F-HET-A	441C	INHSG1205NB	D	Y	1334	1338	28 in Hg	2 in Hg	JA
SR	112612	EI392	250	5441551	SR171240G	SR-SWMF-HET-A	441C	INHSG1205NB	SS	Y	1342	1345	29 in Hg	3 in Hg	JA
SR	112612	EI738	250	5441552	SR171240F	SR-SWMF-HET-A	442C	INHSG1205NB	SS	Y	1343	1348	29 in Hg	2 in Hg	JA
SR	112612	EI451	250	5441553	WMAPSWB541	SR-BCLDP-HET	441C	INHSG1205NB	SS	Y	1343	1347	30 in Hg	1 in Hg	JA
SR	112612	EIC78	250	5441554	WMAPSWB542	SR-BCLDP-HET	440C	INHSG1205NB	SS	Y	1351	1356	30 in Hg	3 in Hg	JA
SR	112612	EI492	250	5441555	WMAPSWB543	SR-BCLDP-HET	440C	INHSG1205NB	SS	Y	1352	1357	29 in Hg	1 in Hg	JA
SR	112612	EID72	250	5441556	SR503978	SR-W027-773A-HET	426C	INHSG1205NB	SS	Y	1409	1413	30 in Hg	1 in Hg	JA
SR	112612	EI219	250	5441557	SR21524411	SR-W027-HBL-BOX	426C	INHSG1205NB	SS	Y	1401	1405	30 in Hg	3 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:
C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

005

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number: ~~88~~ 11/29/12 SR1561228 11/29/12					
Comments:N/A		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 11/26/12
Shipping Tracking # 800118662170	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 11/26/12
		Min /Max Thermometer	723194 723200	7/12/2013 7/12/2013	JA 11/26/12 JA 11/26/12
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441558		TID Initials and Date: JA 11/26/12			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 11/26/12 1322				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 11/26/12 1630	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

900

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	5	9	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG-1228 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	051012	1250	TBL
Cleaning Batch: 428C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T= 26.5	112612	1317	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T= 26.5	112612	1322	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

007

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	1	0	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 Drum Number: SR910042

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	030812	1015	TBL
Cleaning Batch: 421C	M= <5.0E-2	P= 651T			
Field-	C= 29 in Hg	T=26.5	112612	1334	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T=26.5	112612	1338	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

008

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	E	1	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 **Drum Number:** SR910042

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 28 in Hg	T= 26.5	112612	1334	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 26.5	112612	1338	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

009

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	3	9	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 Drum Number: SR171240G

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T=26.5	112612	1342	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T=26.5	112612	~~11/26/12~~ 1345	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	1	2	4	1	2	E	I	7	3	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61228 **Drum Number:** SR171240F

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	1040	TBL
Cleaning Batch: 442C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 26.5	112612	1343	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 26.5	112612	1348	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

011

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	4	5	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1228 **Drum Number:** WMAPSWB541

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	083012	0715	TBL
Cleaning Batch: 441C	M= <5.0E-2	P= 643T			
Field-	C=30 in Hg	T=26.5	112612	1343	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T=26.5	112612	1347	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

012

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	C	7	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1228 Drum Number: WMAPSWB542

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 30 in Hg	T=26.5	112612	1351	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T=26.5	112612	1356	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

013

GAS SAMPLE CANISTER TAG

S	R	1	1	2	6	1	2	E	I	4	9	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61228 Drum Number: WMAPSWB543

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	082912	1530	TBL
Cleaning Batch: 440C	M= <5.0E-2	P= 643T			
Field-	C= 29 in Hg	T= 26.5	112612	1352	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 26.5	112612	1357	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

014

GAS SAMPLE CANISTER TAG

S	R	1	1	26	1	2	E	I	D	7	2
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1228 Drum Number: SR503978

Sampling Organization: CCP Sample Description: sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C=30 in Hg	T=26.5	112612	1409	
Before Sample Collection	M=	P= 30			
Field-	C=1 in Hg	T=26.5	112612	1413	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

015

GAS SAMPLE CANISTER TAG

SR	1	1	2	6	1	2	E	I	2	1	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHSG1228 Drum Number: SR215244 11

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	050912	1555	TBL
Cleaning Batch: 426C	M= <5.0E-2	P= 640T			
Field-	C= 30 in Hg	T= 26.5	112612	1401	
Before Sample Collection	M=	P= 30			
Field-	C=3 in Hg	T=26.5	112612	1405	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

016

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number:SRHSG1228

Container ID		Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR910042	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
2	SR171240G	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
3	SR171240F	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	WMAPSWB541	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
5	WMAPSWB542	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
6	WMAPSWB543	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
7	SR503978	3	S5000	N	N	NA	4	1	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
8	SR21524411	3	S5000	N	N	NA	4	D 12/10/12	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

12/10/12

12-11-12

Attachment 2 – Sample Container Data Form

Field Batch Number:SRHSG1228

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR910042	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
2	SR171240G	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
3	SR171240F	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	WMAPSWB541	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
5	WMAPSWB542	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
6	WMAPSWB543	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.4 \times 10^{-6}$	6
7	SR503978	3	S5000	N	N	NA	4	1	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
8	SR21524411	3	S5000	N	N	NA	4	1	NucFil-016SSHP, NucFil-013	5	6.60×10^{-4}	6
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

SUPERCEDED 12-11-12

12-11-12

12-11-12

Attachment 2 – Sample Container Data Form (Continued)

Page 2 of 2

Field Batch Number:SRHSG1228

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE ID No.: XC0703 & XC0713 Temperature Recorder Calibration Due Date:3/7/2013 & 8/8/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR910042	9/13/2012	9/13/2012	16	74	90	Y	11/23/12 1310	11/26/12 1310
2	SR171240G	5/7/2012	5/7/2012	16	203	70	Y	11/23/12 1310	11/26/12 1310
3	SR171240F	4/26/2012	4/26/2012	16	214	90	Y	11/23/12 1310	11/26/12 1310
4	WMAPSWB541	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
5	WMAPSWB542	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
6	WMAPSWB543	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
7	SR503978	3/13/2012	9/24/2012	56	63	50	Y	11/23/12 1310	11/26/12 1310
8	SR21524411	8/23/2010	9/28/2012	56	59	80	Y	11/23/12 1310	11/26/12 1310
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name
James Adams

Signature

11/29/12
Date
12/10/12

12:11:10

610

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number:SRHSG1228

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE ID No.: XC0703 & XC0713 Temperature Recorder Calibration Due Date:3/7/2013 & 5/8/2013 72 - Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR910042	9/13/2012	9/13/2012	16	74	90	Y	11/23/12 1310	11/26/12 1310
2	SR171240G	5/7/2012	5/7/2012	16	203	70	Y	11/23/12 1310	11/26/12 1310
3	SR171240F	4/26/2012	4/26/2012	16	214	90	Y	11/23/12 1310	11/26/12 1310
4	WMAPSWB541	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
5	WMAPSWB542	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
6	WMAPSWB543	9/18/2012	9/18/2012	56	69	100	Y	11/23/12 1310	11/26/12 1310
7	SR503978	3/13/2012	9/24/2012	56	63	50	Y	11/23/12 1310	11/26/12 1310
8	SR21524411	8/23/2010	9/28/2012	56	59	80	Y	11/23/12 1310	11/26/12 1310
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

Signature

11/29/12
Date

SUPERCEDED 12-11-12

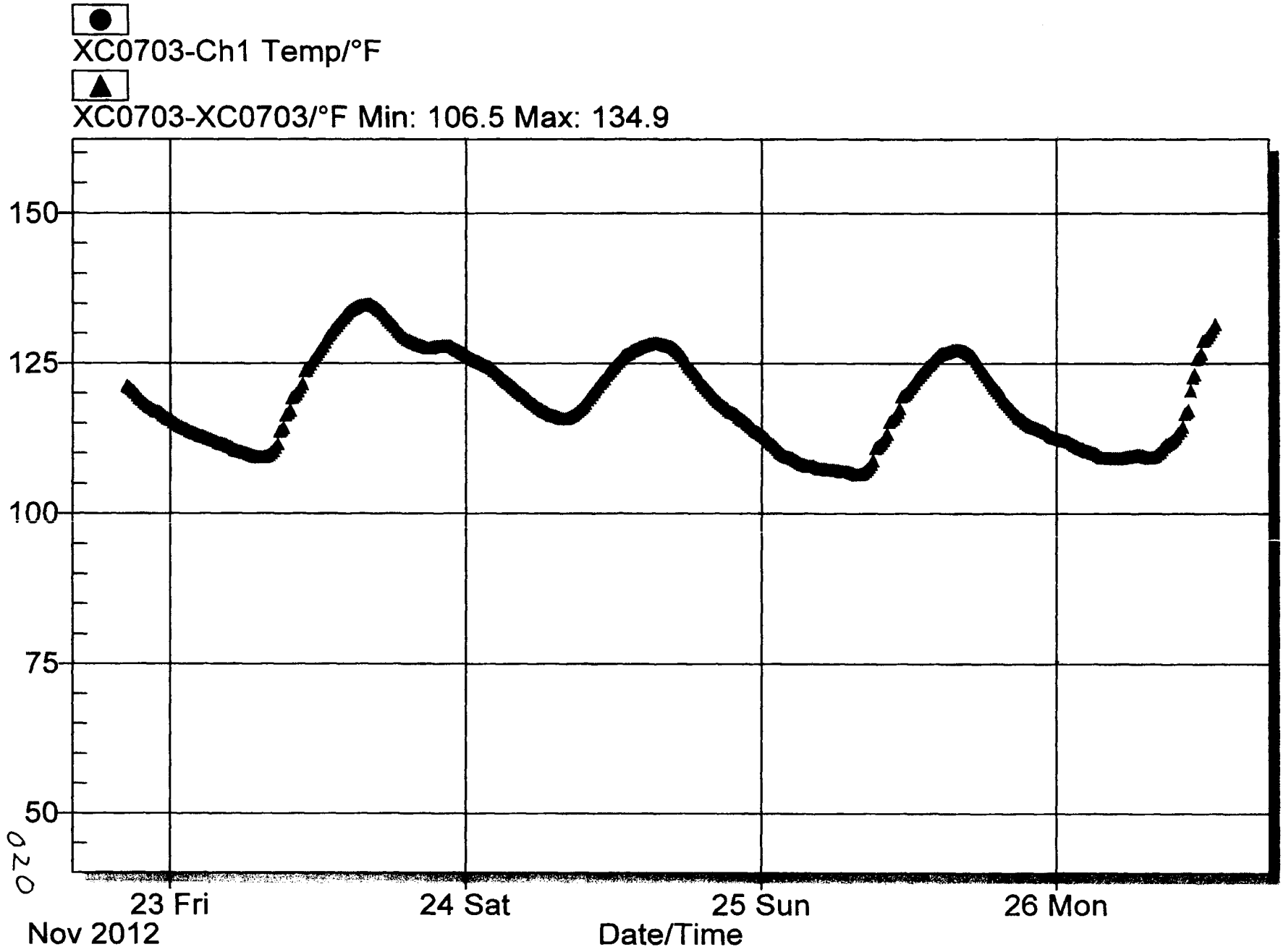
12-11-12

12-11-12

OK 12-11-12

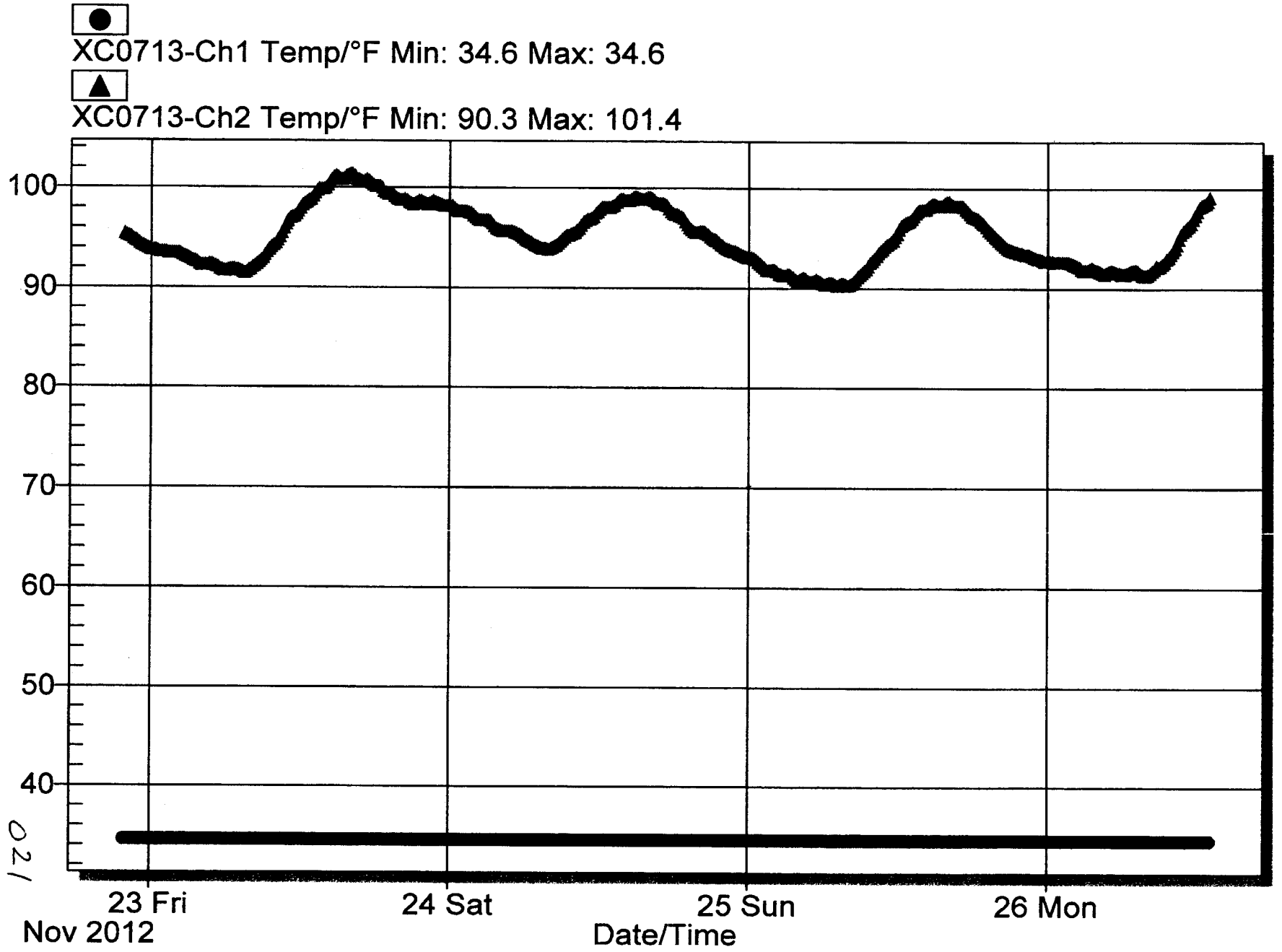
Downloaded Data - Monday, November 26, 2012

PAD 4 SEALAND 2



Downloaded Data - Monday, November 26, 2012

PAD 4 SEALAND 1



021

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X]	Original Record
[ ]	Fax Record
[ ]	Electronic Record

[ ] Copy

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	12/12/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1228	BATCH DATA REPORT SRS HSG SAMPLING	11/29/2012	23
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	**Jeffrey Patterson** Printed Name	12/18/12 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2543
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	12/18 09:33
TIME USE	00'17
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	12/12/2012
Telephone Number:	575-234-7523		

Document Number	Document Description	Record Date	Quantity
SRHSG1228	BATCH DATA REPORT SRS HSG SAMPLING	11/29/2012	23
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Signature | Jeffrey Patterson Printed Name | 12/18/12 Date

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1229	**Sampling Date: 12/04/12**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: SR503072V
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	None
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 12/13/12

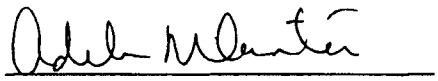
Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1229	**Sampling Date: 12/04/12**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1229	Sampling Date: 12/04/12			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1229			**Sampling Date: 12/04/12**	
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú				12/12/12
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1229

Waste Matrix Code: S5440

Waste Container Identification Numbers

SR503072V	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.: SR-W027-221H-HET.

HSG Independent Technical Reviewer:

Dale Dowden
Printed Name

Signature

12-11-12
12-11-12
Date

CCP RECORDS ORIGINAL
DATE REC'D 12-11-12

001

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	10
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	11
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	NA
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	NA
10.	Shipment Request Forms, if applicable.	NA
11.	72-Hour Temperature Equilibration Plots	13
12.	Copy of NCRs, if applicable	NA

002

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1229

Description		**YES**	**NO**	**NA**	
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	X			
Sampling Documentation		**YES**	**NO**	**NA**	**Comments**
2.	Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	X			
3.	Did the containers meet the DAC?	X			
4.	Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	X			
5.	Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	X			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	X			
Quality Control Samples					
Precision		**YES**	**NO**	**NA**	**Comments**
6.	Was a Field Duplicate collected once per batch?	X			
Accuracy		**YES**	**NO**	**NA**	**Comments**
7.	Was a Field Reference Sample collected?		X		Not Required
8.	Was a Field Blank collected one per batch prior to sampling containers?	X			
Completeness		**YES**	**NO**	**NA**	**Comments**
9.	Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	X			
Additional Checks		**YES**	**NO**	**NA**	**Comments**
10.	Is the data technically reasonable based upon the technique used?	X			
11.	Was the sampling equipment checked for leaks after sample collection?	X			
12.	Was the data generation and reduction conducted in a technically correct manner?	X			
13.	Was the data reported in proper units and with the correct number of significant figures?	X			
14.	Were the samples maintained at a temperature between 0°C - 40°C?	X			
15.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	X			

003

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1229

Raw Data Collection and Management		YES	NO	NA	Comments
16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	X			
17.	Has the data been reviewed for transcription errors?	X			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	X			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	X			
20.	Procedure Number: CCP-TP-093 Revision: 17				
21.	Is the procedure number and revision correct?	X			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	X			

Independent Technical Reviewer:

DALE DOVER
Printed Name

Signature

12-11-12
12-10-12 AP 12-11-12
Date

004

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid	Point of Origin: TRU PAD 4 Sealand 1	**Sample Matrix is Gas**	Ambient Conditions
	COC Number: SRHSG1229		Temperature (centigrade): 25.6
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	120412	EI395	250	5441559	NA	NA	444C	INHSG1205NB	B	NA	1315	1317	30 in Hg	2 in Hg	JA
SR	120412	EID91	250	5441560	SR503072V	SR-W027-221H-HET	444C	INHSG1205NB	D	Y	1319	1323	30 in Hg	3 in Hg	JA
SR	120412	EIC63	250	5441561	SR503072V	SR-W027-221H-HET	444C	INHSG1205NB	D	Y	1319	1323	30 in Hg	3 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

005

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number: SRHSG1229					
Comments: NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 12/4/2012
Shipping Tracking # 800118662160	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 12/4/2012
		Min /Max Thermometer	XC0504 723191	9/24/2013 7/12/2013	JA 12/4/2012 JA 12/4/2012
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441562		TID Initials and Date: JA 12/4/12			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 12/4/12 1317				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 12/4/12 1600	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

900

GAS SAMPLE CANISTER TAG

S	R	1	2	0	4	1	2	E	I	3	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1229 **Drum Number:** N/A

Sampling Organization: CCP **Sample Description:** Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	110912	1135	TBL
Cleaning Batch: 444C	M= <5.0E-2	P= 632T			
Field-	C= 30 in Hg	T= 25.6	120412	1315	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 25.6	120412	1317	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	1	2	0	4	1	2	E	1	D	9	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1229 Drum Number: SR503072V

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	110912	1135	TBL
Cleaning Batch: 444C	M= <5.0E-2	P= 632T			
Field-	C= 30 in Hg	T= 25.6	120412	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 25.6	120412	1323	
After Sample Collection	M=	P= 30 JA.12/11/12			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

JA 12.11.12

~~008~~

008

GAS SAMPLE CANISTER TAG

S	R	1	2	0	4	1	2	E	I	C	6	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1229 **Drum Number:** SR503072V

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	110912	1135	TBL
Cleaning Batch: 444C	M= <5.0E-2	P= 632T			
Field-	C= 30 in Hg	T= 25.6	120412	1319	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 25.6	120412	1323	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1229

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	SR503072V	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.7×10^{-6}	3
2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

0
1

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1229

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0703 Temperature Recorder Calibration Due Date:3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	SR503072V	7/22/2008	7/22/2008	46	1596	80	Y	12/1/12 1310	12/4/12 1310
2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	NA	NA	NA	NA	NA	NA	NA	NA	NA
4	NA	NA	NA	NA	NA	NA	NA	NA	NA
5	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams
Print Name

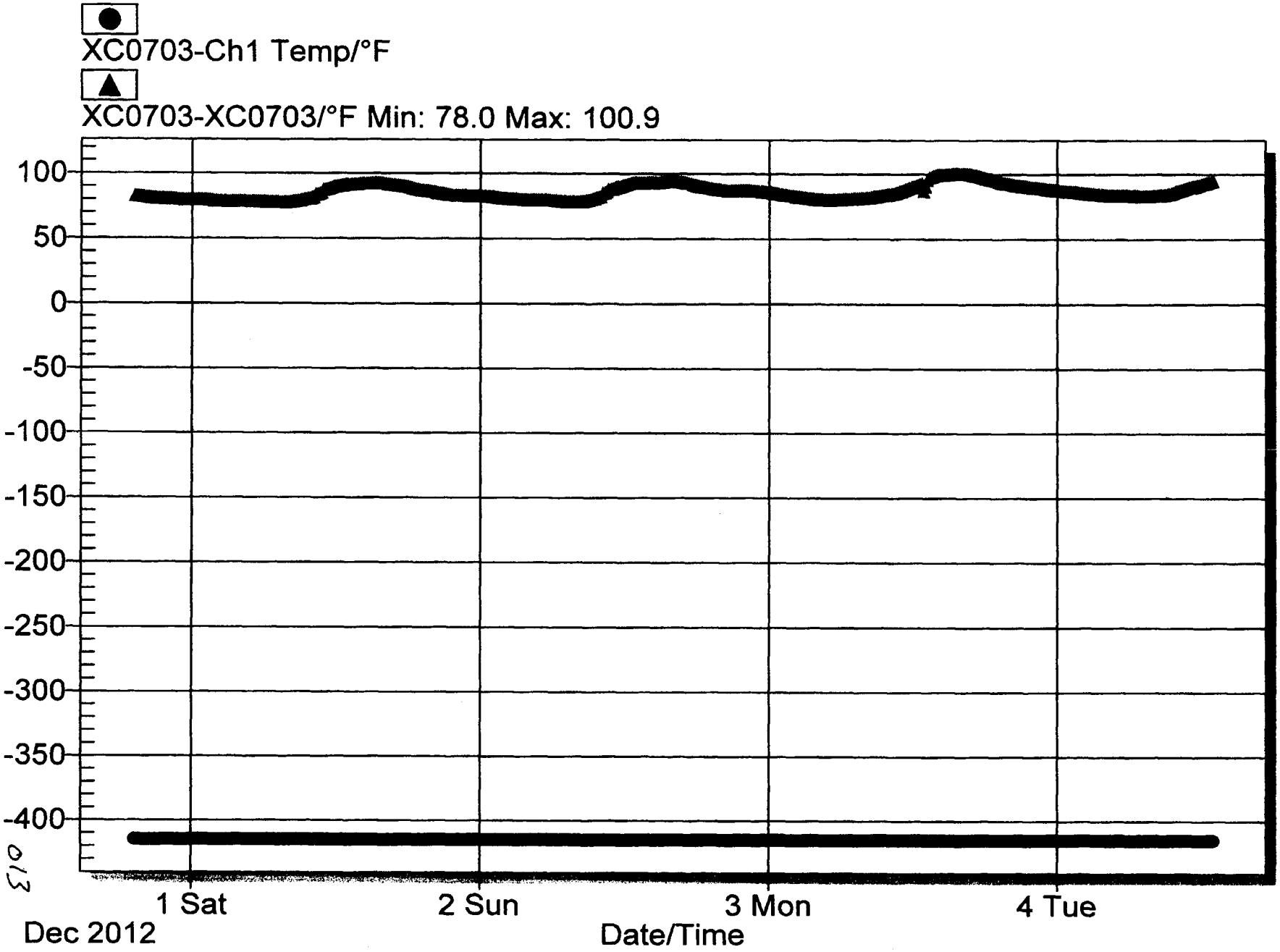
Signature

12/4/12
Date

012

Downloaded Data - Tuesday, December 04, 2012

TRU PAD 4 Sealand 1



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	12/13/2012
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1229	BATCH DATA REPORT SRS HSG SAMPLING	12/04/2012	13
	N/A		

Comments

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted	[X]	Sheri Punchios	SHERI PUNCHIOS	12-27-12
		Signature	Printed Name	Date
Records Rejected	[ ]			
		Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2580
DESTINATION TEL #	912085577396
DESTINATION ID	INL
ST. TIME	12/27 12:39
TIME USE	00'18
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	RECORDS CUSTODIAN	From:	TRISHA PIMENTEL
Ship to:	CCP RECORDS	Site:	INL
	4021 NATIONAL PARKS HWY	Company:	SM STOLLER
	CARLSBAD, NM	Telephone Number:	208-557-6364
	88220	Date Sent:	12/13/2012
Telephone Number:	575-234-7523		

SRHSG1229	BATCH DATA REPORT SRS HSG SAMPLING	12/04/2012	13
	N/A		

Comments:

SPM CHECKLIST LOCATED IN CARLSBAD

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted ☒ Sheri Punchios (Signature) SHERI PUNCHIOS (Printed Name) 12-27-12 (Date)

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: BC0024 SR607480 SR607482 SR607486 SR14706110 SR54064312 SR54300702
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	NOT APPLICABLE
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

CCP RECORDS ORIGINAL
DATE REC'D 1/17/13

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1301	Sampling Date: 1/8/2013			
Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			

Comments: NONE

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

Adela M. Cantú	Adela M Cantu	1/17/13
SPM Printed Name	Signature	Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Cover Sheet Page 1 of 1

Headspace Gas Sampling

HSG Sampling Batch Number: SRHSG1301

Waste Matrix Code: SR5400 & SR5410

Waste Container Identification Numbers

BC0024	NA
SR607480	NA
SR607482	NA
SR607486	NA
SR14706110	NA
SR54064312	NA
SR54300702	NA
NA	NA
NA	NA
NA	NA

Comments: This batch contains waste stream I.D.'s: SR-BCLDP.004.004, SR-SWMF-HET-B, SR-HBL-235F-HET & SR-W027-HBL-BOX.

HSG Independent Technical Reviewer:

Erik Loechell	Erik Loechell	1-16-13
Printed Name	Signature	Date

CCP RECORDS ORIGINAL
DATE REC'D 1/17/13

Attachment 2 – HSG Sampling Batch Data Report Table of Contents Page 1 of 1

Section		Page No.
1.	HSG Sampling Batch Data Report Cover Sheet (Attachment 1)	1
2.	HSG Sampling Batch Data Report Table of Contents (Attachment 2)	2
3.	Independent Technical Reviewer (ITR) Review Checklist (Attachment 3)	3
Sampling Batch Data Report Forms:		
4.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	5
5.	Copy of Laboratory Canister Tags	7
6.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report (or copy of the certifications from CCP-TP-093)	16
7.	Sample Drum Data Form (Attachment 2 from CCP-TP-093)	17
8.	Copy of Sampling Port Installation Records (CCP-TP-098, Attachment 1), if applicable	NA
9.	Copy of Drum Filter Changeout Form (Attachment 1 of CCP-TP-082), if applicable.	NA
10.	Shipment Request Forms, if applicable.	NA
11.	72-Hour Temperature Equilibration Plots	19
12.	Copy of NCRs, if applicable	NA

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: SRHSG1301

Description		YES	NO	NA	
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	√			
Sampling Documentation		**YES**	**NO**	**NA**	**Comments**
2.	Are calculations correct for the Drum Age Criteria (DAC), temperature equilibrium time, and percent complete?	√			
3.	Did the containers meet the DAC?	√			
4.	Did the containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	√			
5.	Do the temperature plots indicate the drums were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?	√			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	√			
Quality Control Samples					
Precision		**YES**	**NO**	**NA**	**Comments**
6.	Was a Field Duplicate collected once per batch?	√			
Accuracy		**YES**	**NO**	**NA**	**Comments**
7.	Was a Field Reference Sample collected?			√	
8.	Was a Field Blank collected one per batch prior to sampling containers?	√			
Completeness		**YES**	**NO**	**NA**	**Comments**
9.	Is the percentage of valid samples collected and submitted for analysis greater than or equal to 90 percent?	√			
Additional Checks		**YES**	**NO**	**NA**	**Comments**
10.	Is the data technically reasonable based upon the technique used?	√			
11.	Was the sampling equipment checked for leaks after sample collection?	√			
12.	Was the data generation and reduction conducted in a technically correct manner?	√			
13.	Was the data reported in proper units and with the correct number of significant figures?	√			
14.	Were the samples maintained at a temperature between 0°C - 40°C?	√			
15.	Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	√			

Attachment 3 – Independent Technical Reviewer (ITR) Review Checklist (continued)

HSG Sampling Batch Number: SRHSG1301

16.	Are there satisfactory equipment blanks, canister cleaning blanks, and needle assembly cleanliness results?	✓			
17.	Has the data been reviewed for transcription errors?	✓			
18.	Verify all the data is signed and dated, and the data is recorded clearly, legibly, and accurately.	✓			
19.	No more than 20 waste containers are in the batch (excluding the QC samples).	✓			
20.	Procedure Number: CCP-TP-093				Revision: 17
21.	Is the procedure number and revision correct?	✓			
22.	All changes to original data are lined out, initialed, and dated by the individual making the change, and a justification included. (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	✓			

Independent Technical Reviewer:

Erik Loechell	Erik Loechell	1-16-13
Printed Name	Signature	Date

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid		Point of Origin: TRU PAD 4 Sealand 1&2	**Sample Matrix is Gas**	Ambient Conditions	
		COC Number: SRHSG1301		Temperature (centigrade): 27.0	
				Pressure (in. Hg): 30	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	010813	EID13	250	5441570	NA	NA	446C	INHSG1205NB	B	NA	1257	1300	30 in Hg	3 in Hg	JA
SR	010813	EID35	250	5441571	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	1 in Hg	JA
SR	010813	EIA96	250	5441572	BC0024	SR-BCLDP.004.004	446C	INHSG1205NB	D	Y	1307	1310	30 in Hg	2 in Hg	JA
SR	010813	EI233	250	5441573	SR607480	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1314	1317	30 in Hg	0 in Hg	JA
SR	010813	EIB85	250	5441574	SR607482	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1316	1320	30 in Hg	3 in Hg	JA
SR	010813	EID95	250	5441575	SR607486	SR-SWMF-HET-B	446C	INHSG1205NB	SS	Y	1321	1325	30 in Hg	1 in Hg	JA
SR	010813	EIC06	250	5441576	SR14706110	SR-HBL-235F-HET	446C	INHSG1205NB	SS	Y	1334	1337	30 in Hg	3 in Hg	JA
SR	010813	EI437	250	5441577	SR54064312	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1335	1339	30 in Hg	0 in Hg	JA
SR	010813	EI021	250	5441578	SR54300702	SR-W027-HBL-BOX	447C	INHSG1205NB	SS	Y	1330	1334	29 in Hg	0 in Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature: _____

CO

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number: SRHSG1301					
Comments:NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 1/8/13
Shipping Tracking # 800118662240	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 1/8/13
		Min /Max Thermometer	723196 723200	7/12/2013 7/12/2013	JA 1/8/13 JA 1/8/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441579		TID Initials and Date: JA 1/8/13			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 1/8/13 1300				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 1/8/13 1600	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	1	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 **Drum Number:** NA

Sampling Organization: CCP **Sample Description:** Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1257	JA
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 27.0	010813	1300	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: NA

Sampler Signature: JA

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	3	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 **Drum Number:** BC0024

Sampling Organization: CCP **Sample Description:** Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	JA
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1310	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes:
(1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	A	9	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: BC0024

Sampling Organization: CCP Sample Description: Duplicate

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1307	~~TBL~~
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 27.0	010813	1310	~~TBL~~
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / ~~N~~ (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	2	3	3
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: SR607480

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1314	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 27.0	010813	1317	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev 09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	B	8	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: SR607482

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1316	JA
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 27.0	010813	1320	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	D	9	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: SR607486

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1321	
Before Sample Collection	M=	P= 30			
Field-	C= 1 in Hg	T= 27.0	010813	1325	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	C	0	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1301 Drum Number: SR14706110

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1334	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 27.0	010813	1337	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	4	3	7
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRU561301 Drum Number: SRS4064312

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	112112	1600	TBL
Cleaning Batch: 447C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 27.0	010813	1335	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 27.0	010813	1339	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	1	0	8	1	3	E	I	0	2	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHS61301 **Drum Number:** SR54300702

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 22	112112	1600	TBL
Cleaning Batch: 447C	M= <5.0E-2	P= 638T			
Field-	C= 29 in Hg	T= 27.0	010813	1330	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 27.0	010813	1334	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1301

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	BC0024	3	S5000	Y	Y	0.3	4	2	NucFil-019DS	1	3.7×10^{-6}	3
2	SR607480	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
3	SR607482	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
4	SR607486	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.7×10^{-6}	3
5	SR14706110	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
6	SR54064312	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
7	SR54300702	3	S5000	N	N	NA	4	0	NucFil-013, NucFil-016SSHP	5	6.60×10^{-4}	6
8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1301

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0801 & XC0710 Temperature Recorder Calibration Due Date: 3/7/13 & 3/7/13 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	BC0024	8/18/1999	8/18/1999	175	4892	75	Y	1/5/13 1250	1/8/13 1250
2	SR607480	6/7/2012	6/7/2012	16	215	60	Y	1/5/13 1250	1/8/13 1250
3	SR607482	6/11/2012	6/11/2012	16	211	60	Y	1/5/13 1250	1/8/13 1250
4	SR607486	6/7/2012	6/7/2012	16	215	90	Y	1/5/13 1250	1/8/13 1250
5	SR14706110	7/27/2012	10/24/2012	56	76	80	Y	1/5/13 1250	1/8/13 1250
6	SR54064312	8/25/2012	11/7/2012	56	62	100	Y	1/5/13 1250	1/8/13 1250
7	SR54300702	7/24/2012	10/25/2012	56	75	95	Y	1/5/13 1250	1/8/13 1250
8	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

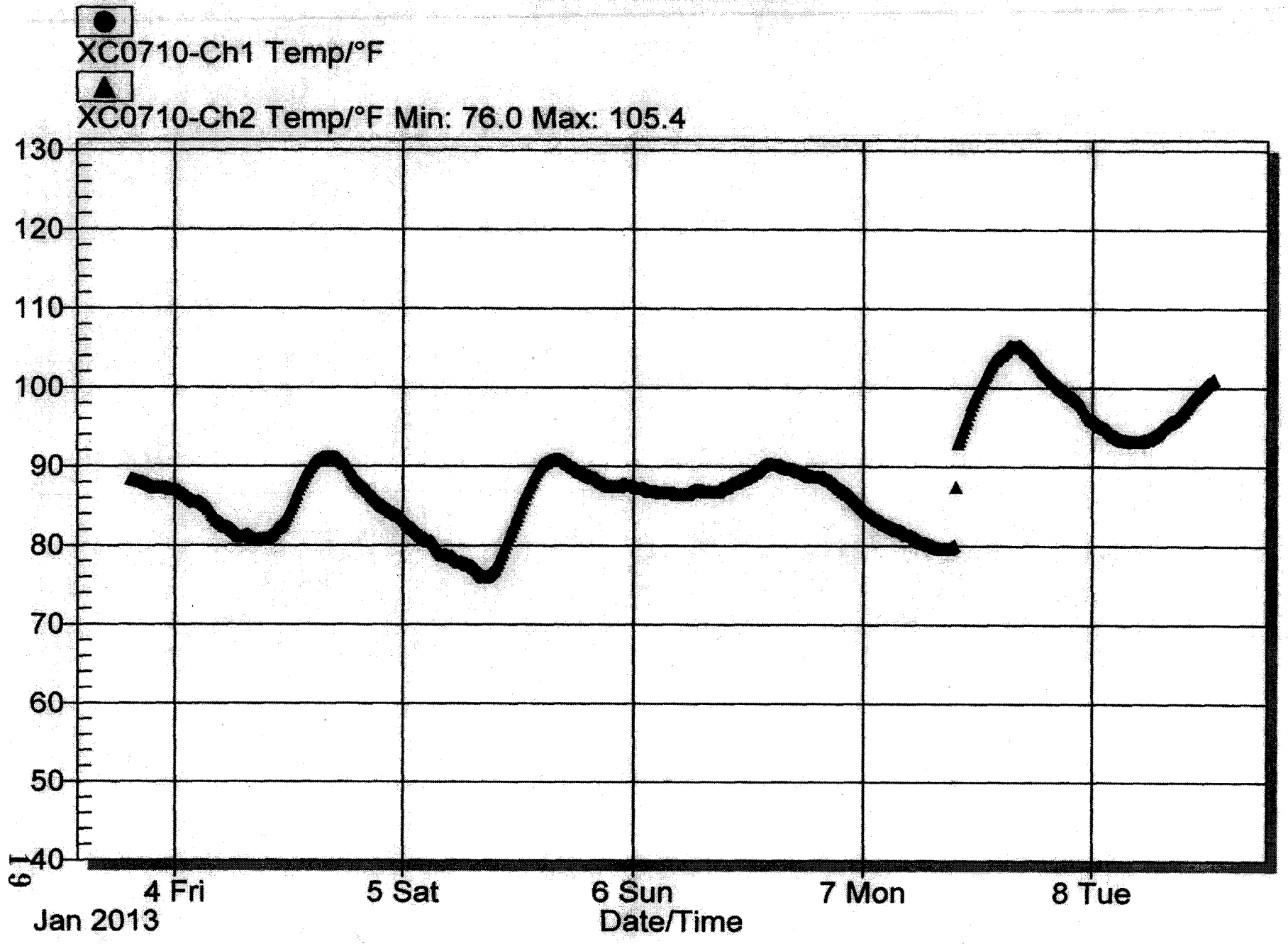
HSG Sampler: James Adams
Print Name

Signature

1/8/13
Date

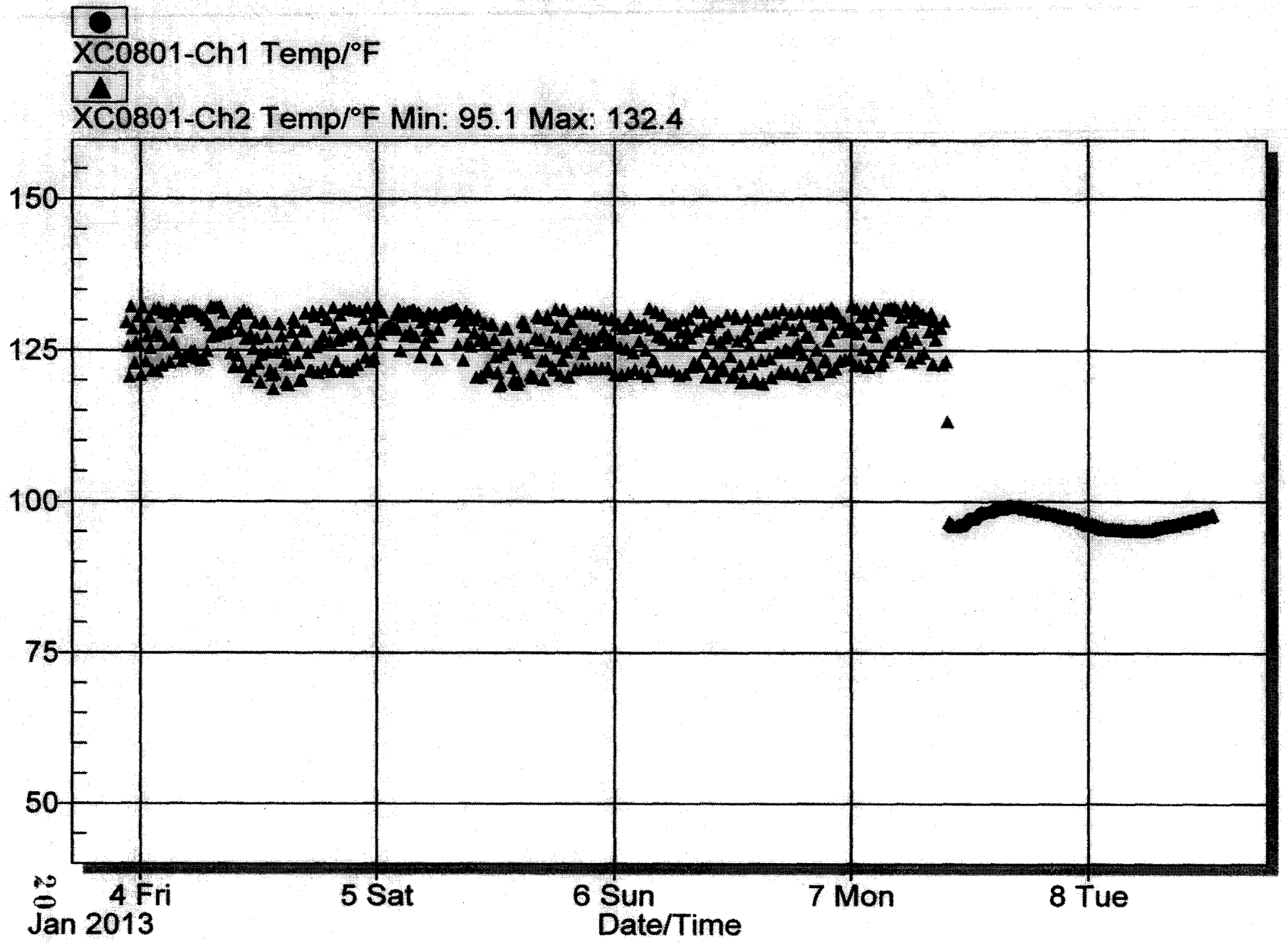
Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 1



Downloaded Data - Tuesday, January 08, 2013

TRU PAD 4 Sealand 2



DIVIDER PAGE ONLY

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Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS	From:	YOLANDA VALDEZ
Ship to:	4021 NATIONAL PARKS HWY	Site:	LANL
	CARLSBAD, NM 88220	Company:	SM STOLLER
	GSA-212	Telephone Number:	505-662-1344
	N/A	Date Sent:	01/24/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1301	BATCH DATA REPORT	01/08/13	20
	N/A		

Comments

BDR IS COMPLETE. ORIGINAL SPM IS IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	Jeffrey Patterson Printed Name	1/31/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3811
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	01/31 10:17
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS	From:	YOLANDA VALDEZ
Ship to:	4021 NATIONAL PARKS HWY	Site:	LANL
	CARLSBAD, NM 88220	Company:	SM STOLLER
	GSA-212	Telephone Number:	505-662-1344
	N/A	Date Sent:	01/24/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1301	BATCH DATA REPORT	01/08/13	20
	N/A		

Comments

BDR IS COMPLETE. ORIGINAL SPM IS IN CARLSBAD.

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓] Signature: [signature] Printed Name: Jeffrey Patterson Date: 1/31/13

DIVIDER

PAGE

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: SRHSG1303	Sampling Date: Feb. 4 & 11, 2013			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**	X			
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**	X			
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**	X			
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**	X			
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers: HBL110021 WMPSLB051A WMPSWB190A WMAPSWB573 SR509776A WMAPSWB570 TEMP17B HBL120558
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**	X			
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**			X	No NCRs
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**	X			
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**	X			

NTPC RECORDS ORIGINAL
DATE REC'D 2/19/13

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1303	Sampling Date: Feb. 4 & 11, 2013			
Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**	X			
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**	X			
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**	X			
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**	X			
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**	X			
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**	X			
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**	X			
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**	X			
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**	X			
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**	X			
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1303	**Sampling Date: Feb. 4 & 11, 2013**			
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
23. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**	X			
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**	X			
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**	X			
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**	X			
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**	X			
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**	X			
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**	X			
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**	X			
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18° C or higher? **Reference Source: CCP-PO-001, C1-1a**	X			
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**	X			

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: SRHSG1303				Sampling Date: Feb. 4 & 11, 2013
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**	X			
Comments: NONE				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
Adela M. Cantú	Adela M Cantu			2/19/2013
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 1 – HSG Sampling Batch Data Report Page 1 of 1

HSG Sampling Batch Number: SRHSG1303

Section	Contents	Page No.
1.	HSG Sampling Batch Data Report (Attachment 1)	1
2.	Independent Technical Reviewer (ITR) Review Checklist (Attachment2)	2
3.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	4
4.	Copy of Canister Tags	6
5.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report	16
6.	Sample Container Data Form (Attachment 2 from CCP-TP-093)	18
7.	Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082), if applicable	NA
8.	Shipment Request Form, if applicable	NA
9.	72-Hour Temperature Equilibration Plots	20
10.	Copy of NCRs, if applicable	NA
11.	Copy of COA for FRS, if applicable	NA

Comments:

This batch contains waste stream I.D.'s: SR-W027-221H-HET-C, SR-W027-773A-HET, SR-W027-221H-HEPA, SR-MD-HET & SR-221H-PUOX.

HSG Independent Technical Reviewer:

Tony McCall
Printed Name

Tony McCall
~~Signature~~

2-12-13
Date

2-18-13

CCP RECORDS ORIGINAL
DATE REC'D 02-18-13

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

Page 1 of 2

HSG Sampling Batch Number: SRHSG1303

Description		YES	NO	NA	Comments
1.	Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?	✓			
2.	Are calculations correct for the Container Age and temperature equilibrium time, and percent complete?	✓			
3.	Did the waste containers meet the Drum Age Criteria (DAC)?	✓			
4.	Did the waste containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?	✓			
5.	Do the temperature plots indicate the waste containers were stored at 18°C (65°F) or higher for 72-hours prior to sampling?	✓			
5a.	Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?	✓			
6.	Was a Field Duplicate collected once per batch?	✓			
7.	Was a Field Reference Sample (FRS) collected? NA if FRS previously demonstrated the quality assurance objective (QAO) and is no longer required.			✓	
8.	Was a Field Blank collected one per batch prior to sampling waste containers?	✓			
9.	Is the data technically reasonable based upon the technique used?	✓			
10.	Was the sampling equipment checked for leaks after sample collection?	✓			
11.	Was the data generation and reduction conducted in a technically correct manner?	✓			
12.	Was the data reported in proper units and with the correct number of significant figures?	✓			
13.	Were the samples maintained at a temperature between 0°C - 40°C?	✓			

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist (Continued)

HSG Sampling Batch Number: SRHSG1303

Raw Data Collection and Management	YES	NO	NA	Comments
14. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?	✓			
15. Are the sampling needle assemblies demonstrated to be clean?	✓			
16. Has the data been reviewed for transcription errors?	✓			
17. Was all signed and dated, and the data is recorded clearly, legibly, and accurately?	✓			
18. Are there less than or equal to 20 waste containers in the batch excluding the quality control (QC) samples?	✓			
19. Is the procedure number and revision correct?	✓			
20. Were changes to original data lined out, initialed, and dated by the individual making the change, and a justification included? (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)	✓			

Independent Technical Reviewer:

Printed Name	Signature	Date
Tony McCall	Tony McCall	2-18-13
Tony McCall	Tony McCall	2-12-13

Attachment 1 – Chain of Custody/Canister Tag

Location: Under Container Lid	Point of Origin: TRUPAD 4 Sealand 1&2	**Sample Matrix is Gas**	Ambient Conditions
	COC Number: SRHSG1303		Temperature (centigrade): 19.7, 21.0 & 33.5
			Pressure (in. Hg): 30

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials
SR	020413	EI779	250	5441598	NA	NA	446C	INHSG1203NB	B	NA	1301	1305	30 in. Hg	3 in. Hg	JA
SR	020413	EIB00	250	5441596	HBL110021	SR-W027-211H-HET-C	446C	INHSG1205NB	D	Y	1316	1320	30 in. Hg	3 in. Hg	JA
SR	020413	EI341	250	5441599	HBL110021	SR-W027-211H-HET-C	446C	INHSG1205NB	D	Y	1316	1320	28 in. Hg	2 in. Hg	JA
SR	020413	EIA66	250	5441600	WMPSLB051A	SR-W027-773A-HET	446C	INHSG1203NB	SS	Y	1340	1344	30 in. Hg	0 in. Hg	JA
SR	020413	EIC79	250	5441601	WMPSWB190A	SR-W027-221H-HEPA	437C	INHSG1203NB	SS	Y	1340	1344	30 in. Hg	2 in. Hg	JA
SR	020413	EI504	250	5441602	WMAPSWB573	SR-MD-HET	446C	INHSG1203NB	SS	Y	1403	1407	30 in. Hg	4 in. Hg	JA
SR	020413	EIB45	250	5441603	SR509776A	SR-W027-773A-HET	446C	INHSG1203NB	SS	Y	1404	1408	30 in. Hg	0 in. Hg	JA
SR	020413	EIB48	250	5441604	WMAPSWB570	SR-MD-HET	437C	INHSG1203NB	SS	Y	1402	1406	30 in. Hg	2 in. Hg	JA
SR	021113	EI744	250	5441605	TEMP17B	SR-W027-773A-HET	437C	INHSG1203NB	SS	Y	1333	1337	30 in. Hg	2 in. Hg	JA
SR	021113	EI291	250	5441606	HBL120558	SR-221H-PUOX	446C	INHSG1203NB	SS	Y	1352	1355	30 in. Hg	2 in. Hg	JA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:

F

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number: SRHSG1303					
Comments:NA		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter	XC0142	8/24/2013	JA 2/4/13
Shipping Tracking # 800118715580	Method of Shipping FedEx	Thermometer	SW0021	1/5/2014	JA 2/4/13
		Min /Max Thermometer	XC0506 XC0700	9/24/2013 9/24/2013	JA 2/4/13 JA 2/4/13
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s) 5441607		TID Initials and Date: JA 2/11/13			
Custody Initiated By: (Sampler Name/Organization) James Adams/CCP	Date/Time 2/4/13 1305				
Relinquished By: (Name/Organization) James Adams/CCP	Date/Time 2/11/13 1600	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	7	7	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SR45G1303 Drum Number: N/A

Sampling Organization: CCP Sample Description: Field Blank

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 19.7	020413	1301	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 19.7	020413	1305	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? (Y) / N (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	B	0	0
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site — Date — Canister ID

Batch Number: SRHS61303 Drum Number: HBL110021

Sampling Organization: CCP Sample Description: DUPLICATE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 19.7	020413	1316	
Before Sample Collection	M=	P= 30			
Field-	C= 3 in Hg	T= 19.7	020413	1320	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	3	4	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

02/04/13

Batch Number: SRHSG1303 Drum Number: ~~HBL0021~~ HBL110021

Sampling Organization: QCP Sample Description: DUPLICATE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 28 in Hg	T= 19.7	020413	1316	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 19.7	020413	1320	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

Rev (09-05)

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	A	6	6
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1303 Drum Number: WMPSLB051A

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 19.7	020413	1340	JA
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 19.7	020413	1344	JA
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	C	7	9
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1303 Drum Number: WMPSWDI90A

Sampling Organization: CCP Sample Description: SAMPLE

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 19.7	020413	1340	[illegible]
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 19.7	020413	1344	[illegible]
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: [signature]

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	5	0	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1303 Drum Number: WMAPSWB573

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 21.0	020413	1403	
Before Sample Collection	M=	P= 30			
Field-	C= 4 in Hg	T= 21.0	020413	1407	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	B	4	5
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1303 Drum Number: SRS09776A

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 21.0	020413	1404	
Before Sample Collection	M=	P= 30			
Field-	C= 0 in Hg	T= 21.0	020413	02/04/13 1408	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	0	4	1	3	E	I	B	4	8
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRHSG1303 Drum Number: WMAPSWB570

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 21.0	020413	1402	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 21.0	020413	1406	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	7	4	4
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRH561303 Drum Number: Temp/78

Sampling Organization: CCP Sample Description: Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	070512	1620	TBL
Cleaning Batch: 437C	M= <5.0E-2	P= 639T			
Field-	C= 30 in Hg	T= 33.5	021113	1333	JL
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 33.5	021113	1337	JL
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature: JL

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

GAS SAMPLE CANISTER TAG

S	R	0	2	1	1	1	3	E	I	2	9	1
Z	Z	M	M	D	D	Y	Y	A	A	X	X	X

Sampling Site | Date | Canister ID

Batch Number: SRH561303 **Drum Number:** HBL120558

Sampling Organization: CCP **Sample Description:** Sample

Location	Canister Pressure C or M (1)	Ambient P and T (2)	Date MMDDYY	Time 24 Hour	Initials
Certifying Laboratory	C=	T= 21	112112	1310	TBL
Cleaning Batch: 446C	M= <5.0E-2	P= 638T			
Field-	C= 30 in Hg	T= 33.5	021113	1352	
Before Sample Collection	M=	P= 30			
Field-	C= 2 in Hg	T= 33.5	021113	1355	
After Sample Collection	M=	P= 30			
Analytical Laboratory	C=	T=			
	M=	P=			

Blank Sample? Y / (N) (Circle one)

Analysis Requested	VOC's	Hydrogen	Methane
	✓		

Remarks: N/A

Sampler Signature:

Notes: (1) C = Canister pressure gauge reading inches Hg (evacuated), or PSIG (pressurized); M = Manifold pressure gauge in mm Hg.

(2) P = pressure in inches Hg; T = Temperature in C.

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Wednesday, July 11, 2012 3:55:40 PM

Analytical results for needle assembly equipment blanks in field batch INHSG1203NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

From: Catherine A Crowder
To: Dale A. Dover; charles.turner@wipp.ws
Subject: Needle Assembly Blanks
Date: Monday, July 30, 2012 9:46:53 AM

Analytical results for needle assembly equipment blanks in field batch INHSG1205NB were acceptable. Concentrations of all VOC target analytes were less than or equal to three times the MDLs listed in Table C3-2 in Permit Attachment C3.

Attachment 2 – Sample Container Data Form

Field Batch Number: SRHSG1303

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1	HBL110021	3	S5000	Y	N	NA	4	2	NucFil-019DS	1	3.70×10^{-6}	3
2	WMPSLB051A	3	S5000	N	N	NA	4	2	NucFil-019DS, NucFil-016SSHP	2	3.70×10^{-6}	3
3	WMPSWB190A	3	S5000	N	N	NA	4	2	NucFil-019DS	1	3.70×10^{-6}	3
4	WMAPSWB573	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.40 \times 10^{-6}$	6
5	SR509776A	3	S5000	N	N	NA	5	1	NucFil-019DS	1	$>7.40 \times 10^{-6}$	6
6	WMAPSWB570	3	S5000	N	N	NA	5	1	NucFil-019DS, NucFil-013	4	$>7.40 \times 10^{-6}$	6
7	TEMP17B	3	S5000	N	N	NA	5	1	NucFil-019DS	4	$>7.40 \times 10^{-6}$	6
8	HBL120558	3	S5000	Y	Y	0.3	2	0	NucFil-019DS	1	$>1.9 \times 10^{-6}$	4
9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

$\bar{\alpha}$

Attachment 2 – Sample Container Data Form (Continued)

Field Batch Number: SRHSG1303

	Container ID	Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: XC0713 & XC0801 Temperature Recorder Calibration Due Date: 5/8/2013 & 3/7/2013 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1	HBL110021	3/28/2011	3/28/2011	46	679	95	Y	2/1/13 1245	2/4/13 1245
2	WMPSLB051A	10/17/2012	10/17/2012	16	110	75	Y	2/1/13 1245	2/4/13 1245
3	WMPSWB190A	8/6/2012	8/6/2012	16	182	100	Y	2/1/13 1245	2/4/13 1245
4	WMAPSWB573	12/6/2012	12/6/2012	56	60	100	Y	2/1/13 1245	2/4/13 1245
5	SR509776A	11/15/2012	11/15/2012	56	81	90	Y	2/1/13 1245	2/4/13 1245
6	WMAPSWB570	12/6/2012	12/6/2012	56	60	100	Y	2/1/13 1245	2/4/13 1245
7	TEMP17B	12/11/2012	12/11/2012	56	62	100	Y	2/8/13 1259	2/11/13 1259
8	HBL120558	9/9/2012	9/9/2012	152	155	35	Y	2/8/13 1259	2/11/13 1259
9	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA	NA	NA	NA	NA

HSG Sampler: James Adams — **Print Name**

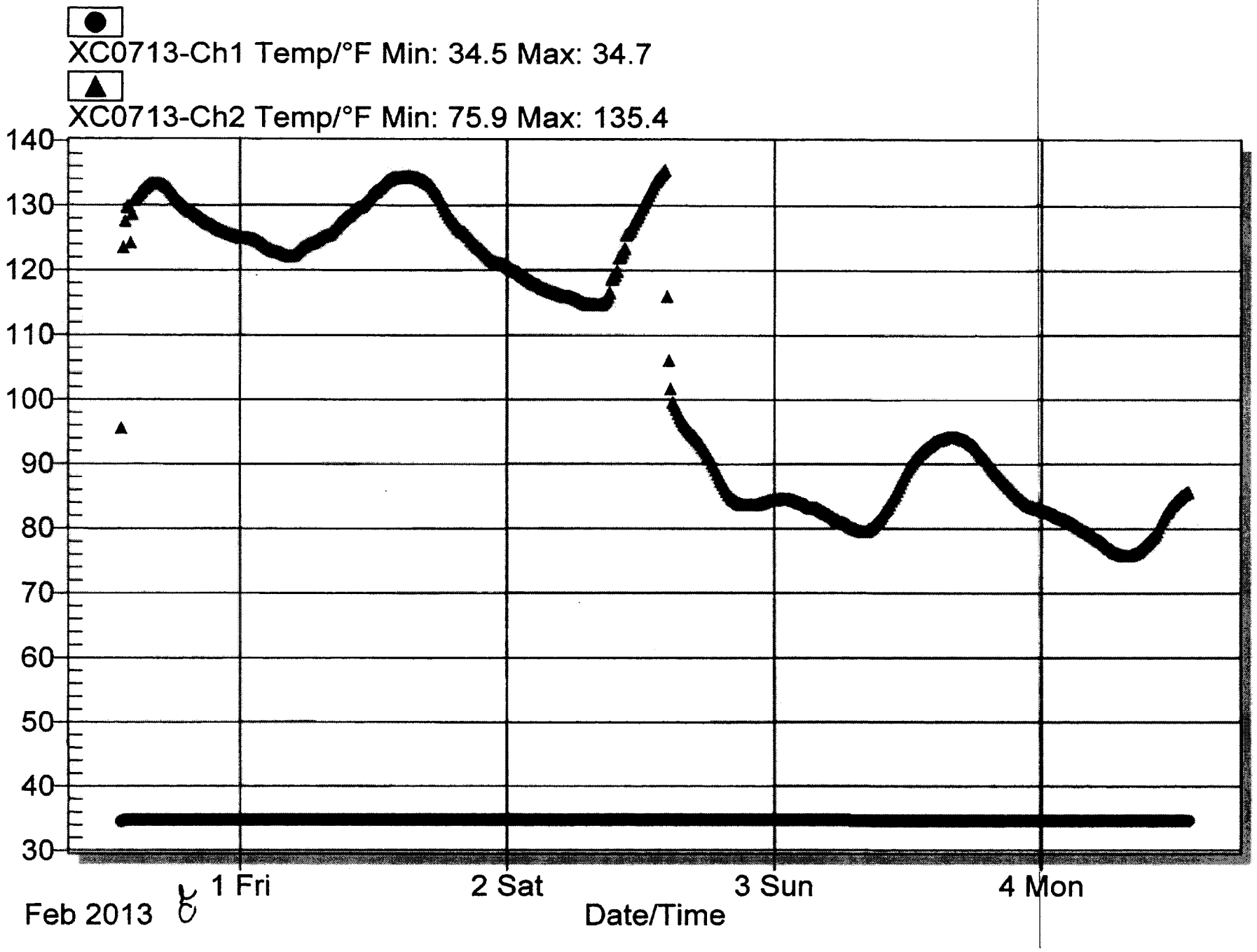
Signature

2/14/13 — **Date**

5

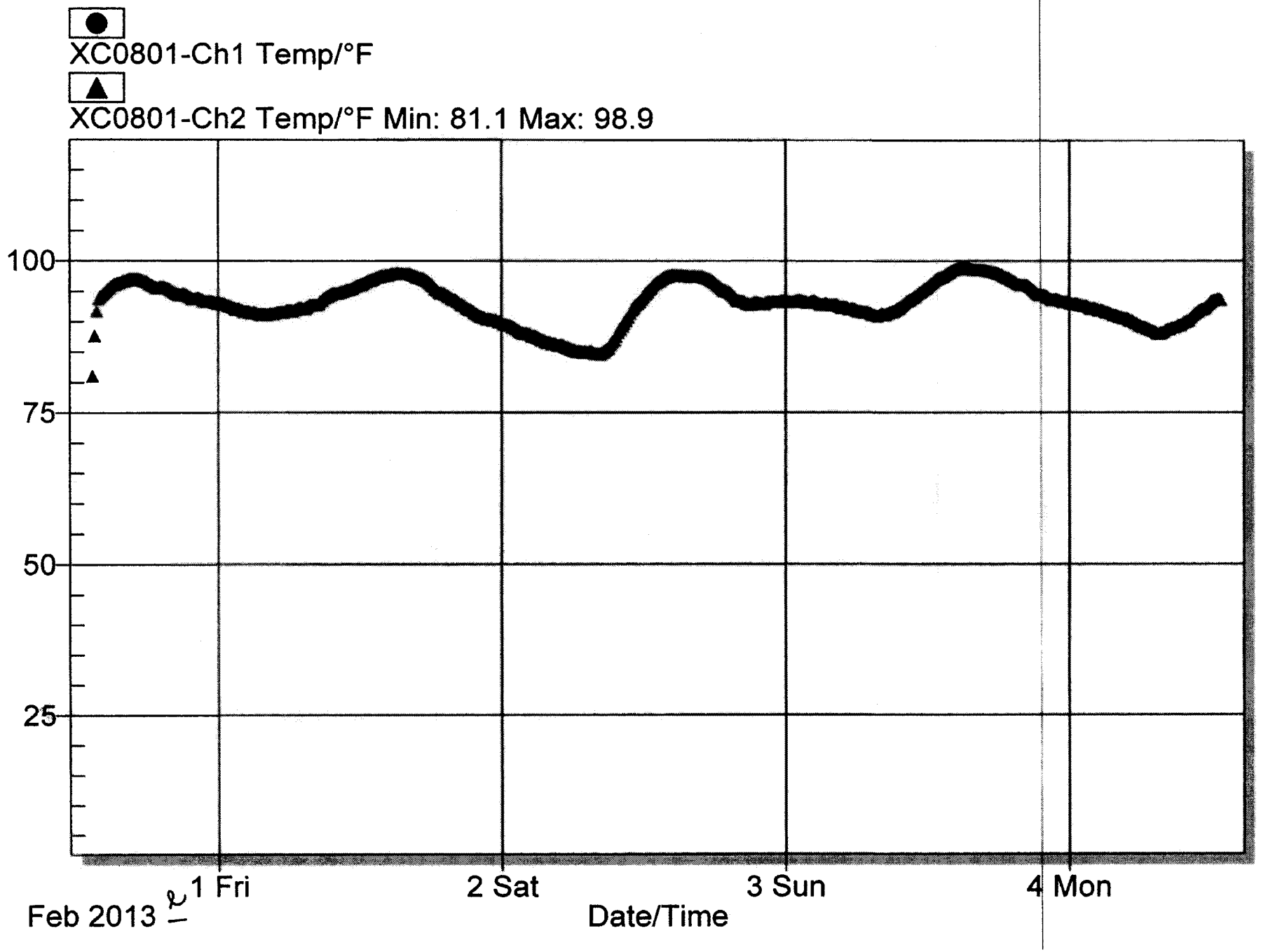
Downloaded Data - Monday, February 04, 2013

TRU PAD 4 Sealand 2



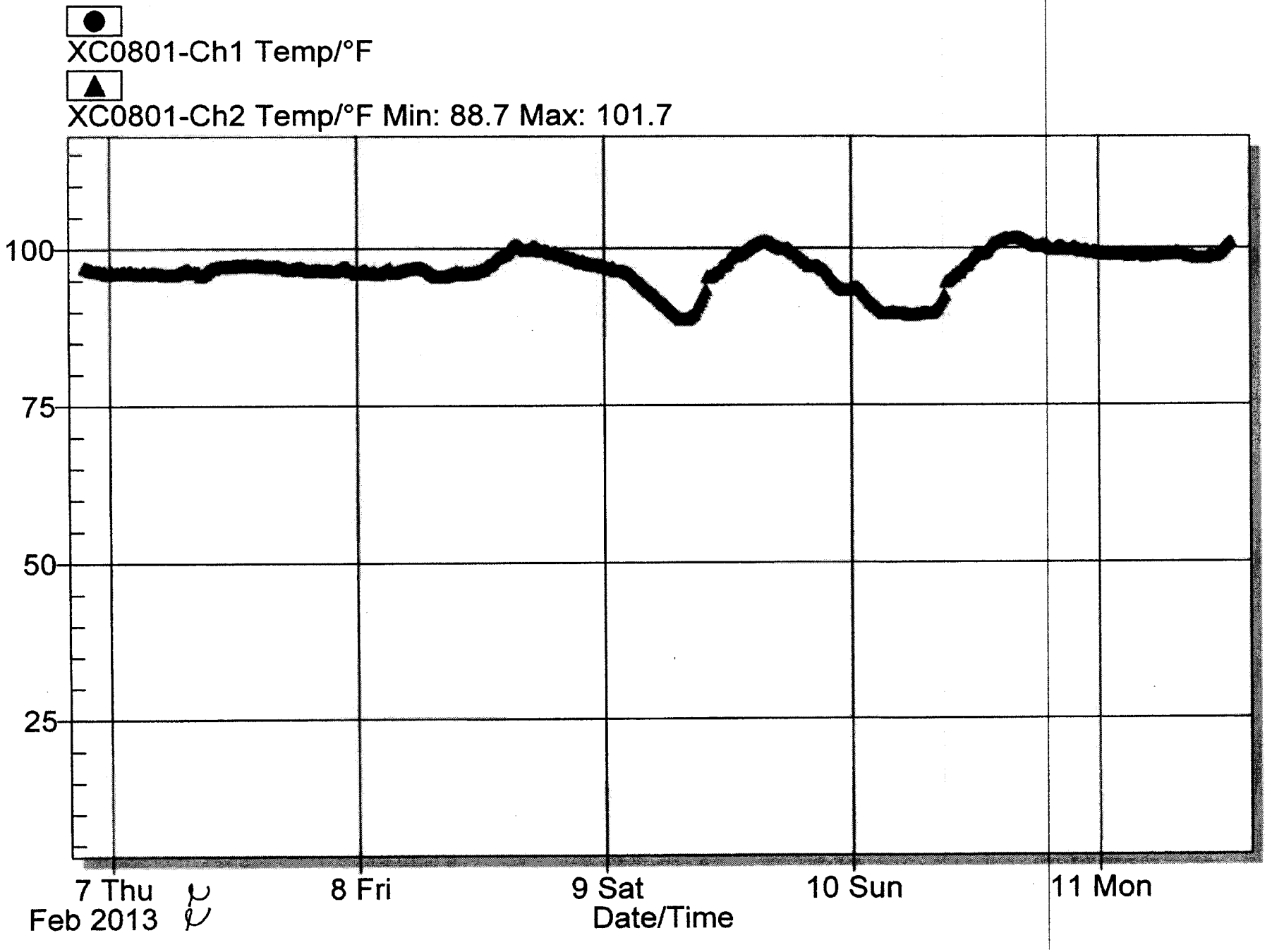
Downloaded Data - Monday, February 04, 2013

TRU PAD 4 Sealand 1



Downloaded Data - Monday, February 11, 2013

TRU PAD 4 Sealand 1



DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1303	HSG SUMMA BDR	02/12/13	22
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

	Signature	Printed Name	Date
Records Accepted [X]	Leon Navarrete	Leon Navarrete	4.17.13
Records Rejected [ ]			

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4305
DESTINATION TEL #	918032081690
DESTINATION ID	SRS
ST. TIME	04/17 13:32
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523 or 575-234-7431

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[X] Original Record [ ] Copy
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Attn:	CCP RECORDS CUSTODIAN	From:	DENISE BLACKWELL
Ship to:	CCP CENTRAL RECORDS	Site:	SRS
	4021 NATIONAL PARKS HIGHWAY	Company:	S. M. STOLLER
	MS GSA-212	Telephone Number:	803-208-2595
	CARLSBAD, NM 88220-9082	Date Sent:	02-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRHSG1303	HSG SUMMA BDR	02/12/13	22
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Comments

N/A

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X] Leon Navarrete 4.17.13

Table C6-4 Visual Examination (VE) Checklist
SRS/CCP Recertification Audit A-14-04
November 13-15, 2013

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Visual Examination (VE) Checklist

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Visual Examination (VE) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	TRAINING					
296	Is there documentation which shows that a standardized training program for visual examination operators has been developed? Is it specific to the site and include the various waste configurations generated/stored at the site? (Section C1-2)	CCP-QP-002 S. 4.1.2 & 4.3.6 CCP-TP-113 S. 2.2 CCP-TP-163 S. 2.2 CCP-TP-500 S. 2.2	Y	Training files for three VE operators **(VE-2)**	Y	
297	Is there documentation which shows that the visual examination operators receive training on the specific waste generating processes, typical packaging configurations, and waste material parameters expected to be found in each Waste Matrix Code at the site? (Section C1-2)	CCP-QP-002 S. 4.1.2 & 4.3.6 CCP-TP-113 S. 2.2 CCP-TP-163 S. 2.2 CCP-TP-500 S. 2.2	Y	Training files for three VE operators **(VE-2)**	Y	
298	Are the visual examination personnel requalified once every two years? (Section C1-2)	CCP-QP-002 S. 4.1.2 & 4.3.6 CCP-TP-113 S. 2.2 CCP-TP-163 S. 2.2 CCP-TP-500 S. 2.2	Y	Training files for three VE operators **(VE-2)**	Y	
298a	Does the training include the following regardless of Summary Category Group? • Identifying and describing the contents of a waste container by examining all items in waste containers of previously packaged waste. • Identifying when VE cannot be used to meet the DQOs. (Section C1-2)	CCP-QP-002 S. 4.1.2 & 4.3.6 CCP-TP-113 S. 1.0 & 1.1 CCP-TP-163	Y	SRSRHVE13001 **(VE-1)**	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Visual Examination (VE) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
		S. 1.1 CCP-TP-500 S. 1.1				
	VISUAL EXAMINATION EXPERT REQUIREMENTS					
300	Does documentation ensure that the site has designated a visual examination expert? Is the visual examination expert familiar with the waste generating processes that have taken place at the site? Is the visual examination expert familiar with all of the types of waste being characterized at that site? (Section C1-2)	CCP-QP-002 S. 3.1.6, 4.4.1 & 4.2 CCP-TP-113 S. 3.2 CCP-TP-500 S. 3.3	Y	Appointment letter for CH VEE **(VE-3)**	N	No objective evidence could be provided to confirm the appointment of the VEE for RH visual examination during the time-frame in which VE was performed on BDR #SRSRHVE13001.
301	Does documentation ensure that the visual examination expert shall be responsible for the overall direction and implementation of the visual examination aspects of the program? Does the site's QAPjP specify the selection, qualification, and training requirements of the visual examination expert? (Section C1-2)	CCP-TP-113 S. 3.2.1 CCP-TP-500 S. 3.3.1	Y	Appointment letter for CH VEE **(VE-3)**	N	No objective evidence could be provided to confirm the appointment of the VEE for RH visual examination during the time-frame in which VE was performed on BDR #SRSRHVE13001.
	VISUAL EXAMINATION PROCEDURES					
304	Do procedures indicate that all visual examination activities are documented on video/audio media or VE performed by using a second operator to provide additional verification by reviewing the contents of the waste container to ensure correct reporting? (Section C1-2)	CCP-TP-113 S. 1.1 Att. 1 & 2 CCP-TP-500 S. 1.1 Att. 1	Y	SRSRHVE13001 **(VE-1)**	Y	
304a	Are procedures in place to ensure that when VE is performed using a second operator, each operator performing VE shall observe for themselves the waste being placed in the container or the contents within the examined waste container when waste is not removed? (Section C1-2)	CCP-TP-113 S. 2.6.3 Att.1&2 CCP-TP-500 S. 4.0 (note) Att. 1	Y	SRSRHVE13001 **(VE-1)**	Y	
313	Do site procedures ensure that when liquid is found, the non-transparent internal container holding the liquid will be assumed to be filled with liquid and this volume will be added to the total liquid in the container being characterized using VE? The container being characterized using VE would then be rejected and/or repackaged to exclude the internal container if it is over the TSDF-WAC limits. (Section C-3b)	CCP-TP-113 S. 4.0 (note) Att. 2 & table 1 CCP-TP-500 Att. 1 & table 1	Y	SRSRHVE13001 **(VE-1)**	Y	

	WAP Requirement[1] *SRS/CCP* Audit *A-14-04* Table C6-4 Visual Examination (VE) Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	QUALITY ASSURANCE OBJECTIVES					
314	Are process procedures in place to meet the following Quality Assurance Objectives? Precision • Precision is maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases. Accuracy • Accuracy is maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification and subsequent requalification. Completeness • A validated VE data form will be obtained for 100 percent of the waste containers subject to VE. Comparability • The comparability of VE data from different operators shall be enhanced by using standardized VE procedures and operator qualifications. (Section C3-2b)	**Bullet 1:** CCP-TP-113 Att. 2 & 3 CCP-TP-500 Att. 1 & 2 **Bullet 2:** CCP-QP-002 S. 4.3.6 **Bullet 3:** CCP-TP-113 Att. 1 & 2 CCP-TP-500 Att. 1 **Bullet 4:** CCP-QP-002 (All) CCP-TP-113 (All) CCP-TP-500 (All)	Y	**Bullet 1:** SRSRHVE13001 **(VE-1)** **Bullet 2:** Training files for three VE operators **(VE-2)** **Bullet 3 & 4:** SRSRHVE13001 **(VE-1)**	Y	

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

Attachment 3 – Visual Examination Site Project Manager Checklist

Batch Data Report No.: SRSRHVE13001

1. Has all the data received an independent technical review as evidenced by a completed checklist (Attachment 2) and the appropriate ITR signature?		☐ NO	☑ YES
2. Are BDR contents complete and match the Visual Examination Batch Data Report Table of Contents?		☐ NO	☑ YES
3. Is the BDR complete (appropriately filled in forms for each container)?		☐ NO	☑ YES
4. Have the RH Quality Assurance Objectives (QAOs) for VE been met?			
Precision – reconciled discrepancies between operators		☐ NO	☑ YES
Accuracy – trained operators		☐ NO	☑ YES
Representativeness – description of container contents		☐ NO	☑ YES
Completeness – completed data form and/or recording		☐ NO	☑ YES
Comparability – proper training and adequate AK for unopened containers		☐ NO	☑ YES
5. Were NCRs generated included in the BDR?	☐ NO	☐ YES	☑ N/A

Comments

No NCRs

SPM:

Laura Nelson
Printed Name

Laura Nelson
Signature

8/22/13
Date

NTPC RECORDS ORIGINAL
DATE REC'D 8/22/13

Attachment 4 – Visual Examination Batch Data Report Cover Sheet

Batch Data Report No.: ~~SRSRHVE001~~ SRSRHVE13001 SP 8-8-13 Date: 8-7-13

	Waste Container ID Number:
1	SDD076307
2	SDD076309
3	SDD076308
4	
5	
6	
7	
8	
9	
10	
11	N A
12	
13	SP 8-7-13
14	
15	
16	
17	
18	
19	
20	

NTPC RECORDS ORIGINAL
DATE RECD 8/22/13

Attachment 5 – Visual Examination Batch Data Report Table of Contents

Batch Data Report No.: ~~SRSRHVE001~~ SRSRHVE13001 8-8-13 Date: 8-7-13

Item	Description	Page No.
1	Visual Examination Batch Data Report Cover Sheet (Attachment 4)	1
2	Visual Examination Batch Data Report Table of Contents (Attachment 5)	2
3	Visual Examination Data Forms (Attachment 1)	3
4	Visual Examination Independent Technical Reviewer Checklist (Attachment 2)	12
5	Copy of NCRs (N/A [If not applicable])	N/A

Attachment 1 – Visual Examination Data Form

Site ID: RH/SRS			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076307	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐ Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - NucFil-0MDS Serial # AM-1430			

Waste Description:

Wood Bracing (c)
Aluminum sleeve/Holder (AM) JMC-2-02-02
Serial # MRPu8Be29

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-6-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		**Final Container** ☐N/A	
Container or Package ID Number:		Container or Package ID Number: ~~SDD76307~~ 600076307 SP 8-7-13	
Container Type:		Container Type: 16 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - Nucfil - 01905 Serial # AM-1430			

Waste Description:
Wood Bracing (c)
Aluminum sleeve/Holder (AM) MRPu8Be29 ~~#Pu8Be29~~ SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

SP 3A
8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076307

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: original Pages superseded due to corrections being made

Visual Examination Operator 1:
Spencer Pattee
Print Name

Signature

Date 8-15-13

Visual Examination Operator 2:
Anthony Harley
Print Name

Signature

Date 8-15-13

4

Attachment 1 – Visual Examination Data Form (continued)

SDD076307

Container or Package ID Number ~~SDD76307~~ SP 8-7-13

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

Visual Examination Operator 1: Spencer Pattee (Print Name)	Signature	Date: 8-6-13
Visual Examination Operator 2: Anthony Harley (Print Name)	Signature	Date: 8-7-13 A.H 8-6-13 8-8-13

8-8-13
8-7-13
8-7-13
SP 8-15-13

SUPERSEDED
SP 8-15-13

SP 4A
8-15-13

Special Form Capsule Traveler Sheet

Special Form Container Identification number: JMC-2-02-02 A

Visual Inspection results: OK A

1. QA container gap measurement without plug in place: .011 Q

2. QA container gap measurement with plug in place: .037 Q

3. Record gap measurement after shear off of nut: .025

4. Record the difference between line 2 and line 3: .012

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MR PuBe 89

Material Description: Isotope(s): Pu 238

Activity: 44.75 Ci

Dimensions of sources placed in this SFC: 0.83" x 23.6"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: Joseph A. Tompkins

Signature of SFC packager: J. A. Tompkins Date: 9-26-02

Verified Source I Matls

9-26-02

Attachment 1 – Visual Examination Data Form

Site ID: RHSRS			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076309	
Container Type:		Container Type: 15 Gal. Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - NUCFIL-0190S Serial # AM-1446			

Waste Description:

Wood Bracing (C)

Aluminum sleeve/Holder (AM) CMC-2-04-02
Serial # MRPU8Be45

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒ N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076309	
Container Type:		Container Type: 15 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A
Comments (e.g., filter information, NCRs): Filter - Nuchi-019DS Serial # AM-1446			

Waste Description:

Wood Bracing (c)

Aluminum ~~Glove~~ Sleeve / Holder (AM)
SP 8-7-13

MR PuBe 45
~~MRPuBe 4~~ SP 8-8-13
~~# PuBE-45~~ SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

6A
SP 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076309

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages superseded due to corrections Being Made.

Visual Examination Operator 1:
Spencer Pattee
Print Name
Signature
Date 8-15-13

Visual Examination Operator 2:
Anthony Harley
Print Name
Signature
Date 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076309

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

Visual Examination Operator 1:
Spencer Pattee (Print Name) — Signature — Date: 8-7-13

Visual Examination Operator 2:
Anthony Harley (Print Name) — Signature — Date: 8-7-13

8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

7A

SP 8-15-13

DRS

Special Form Capsule Traveler Sheet

Special Form Container Identification number: CMC-2-04 02

Visual Inspection results: OK

1. QA container gap measurement without plug in place: .054

2. QA container gap measurement with plug in place: .051

3. Record gap measurement after shear off of nut: .031

4. Record the difference between line 2 and line 3: .020

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MAPUBS 45

Material Description: Isotope(s): Pu 238

Activity: 22.90 Ci

Dimensions of sources placed in this SFC: 0.83 od x 19.75"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: Joseph A. Tompkins

Signature of SFC packager: J. A. Tompkins Date: 9-25-02

Verified Source I Mahoke

9/25/02

Attachment 1 – Visual Examination Data Form

Site ID: RHSRS			
Examination Date: 8-7-13		Batch Number: SRSRHVE13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒ N/A		Final Container ☐ N/A	
Container or Package ID Number:		Container or Package ID Number: SDD076308	
Container Type:		Container Type: 15 Gal. Drum	
Waste Matrix Code:		Waste Matrix Code: S5111	
Waste Stream:		Waste Stream: SR-RH-SDD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A

Comments (e.g., filter information, NCRs):
Filter - NUCFIL-0190S Serial # AM-1425

Waste Description:
Wood Bracing (c)
Aluminum Sleeve/Holder (AM) CMC-2-OS-02
Serial # MRPuBBe44

Attachment 1 – Visual Examination Data Form

Site ID: SR			
Examination Date: 8-7-13		Batch Number: SRS RHVE 13001	
Procedure #: CCP-TP-500		Revision #: 12	Video Number: N/A
Recording Equipment Check: ☐SAT ☐UNSAT ☒N/A		Recording Start: N/A	Recording Stop: N/A
Initial Container ☒N/A		Final Container ☐N/A	
Container or Package ID Number:		Container or Package ID Number: SD007630B	
Container Type:		Container Type: 15 Gal Drum	
Waste Matrix Code:		Waste Matrix Code: 55111	
Waste Stream:		Waste Stream: SR-RH-SOD.01	
		Rigid Liner: ☐Y ☒N Type:	Rigid Liner Lid: ☐Y ☒N
		Rigid Liner Vented or Hole Size: N/A	
Percent Fill:	Percent Organic Waste:	Percent Fill: 75	Percent Organic Waste: 40
Layers of Confinement:	Closure Method:	Layers of Confinement: 0	Closure Method: N/A

Comments (e.g., filter information, NCRs):
Filter - NucFil-09DS Serial # AM-1425

Waste Description:

Wood Bracing (c)
Aluminum sleeve/Holder (AM) # ~~PuBBE44~~ MRPuBBe 44 SP 8-8-13

SP 8-15-13

SUPERSEDED
SP 8-15-13

9A
SP
8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076308

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: Original Pages superseded due To corrections Being made

Visual Examination Operator 1:
Spencer Pattee
Print Name
Signature
Date 8-15-13

Visual Examination Operator 2:
Anthony Harley
Print Name
Signature
Date 8-15-13

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number SDD076308

Prohibited Item(s) Summary	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☒	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☒	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☒	
Does the container have observable liquid containing PCBs?	☐	☒	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☒	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☒	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☒	
Is there an indication of wastes containing explosives or compressed gases?	☐	☒	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☒	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☒	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☒	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☒	
Are there sealed containers GREATER than 4 liters or heat sealed bags NOT defined in the applicable TRUCON Code?	☐	☒	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☒	
Is the waste consistent with the TRUCON Code?	☒	☐	

Comments: N/A

8-8-13

Visual Examination Operator 1:
Spencer Pattee
Print Name

Signature

Date 8-7-13

Visual Examination Operator 2:
Anthony Harley
Print Name

Signature

Date 8-7-13

8-8-13

SP 8-15-13

SUPERSEDED
SP
8-15-13

10A
SP
8-15-13

16 pmc SK

Special Form Capsule Traveler Sheet

Special Form Container Identification number: CINC-2-05-02

Visual Inspection results: OK

1. QA container gap measurement without plug in place: .016
2. QA container gap measurement with plug in place: .051
3. Record gap measurement after shear off of nut: .030
4. Record the difference between line 2 and line 3: .021

In order to assure a quality seal, the difference on line 4 must be a positive number and ≥ 0.005.

Serial or ID number of source(s) loaded in SFC: MEPURAE 44

Material Description: Isotope(s): Ba 133 Ac

Activity: 16.58 Ci

Dimensions of sources placed in this SFC: 0.85" x 18"

SEAL ACCEPTANCE

☑ Seal meets criteria from Section 8.0

☐ Seal does not meet criteria from Section 8.0

Name of SFC packager: J. A. Terhune

Signature of SFC packager: J. A. Terhune Date: 9-25-02

Verified source I Mabe

J Mabe 9-25-02

Attachment 2 – Visual Examination Independent Technical Reviewer Checklist

Batch Data Report No.: SRSRHVE13001

1. Were data generation and reduction conducted in a technically correct manner in accordance with the methods (procedure) used?	☐ NO	☒ YES	☐ N/A
2. Was the correct revision of the operating procedure used?	☐ NO	☒ YES	☐ N/A
3. Were all the transcription errors corrected?	☐ NO	☒ YES	☐ N/A
4. Are BDR contents complete and match the Visual Examination Batch Data report Table of Contents?	☐ NO	☒ YES	☐ N/A
5. Does the BDR include VE for no more than 20 containers?	☐ NO	☒ YES	☐ N/A
6. Is all data recorded signed and dated in reproducible ink?	☐ NO	☒ YES	☐ N/A
7. Is all raw data recorded clearly, legibly, and accurately?	☐ NO	☒ YES	☐ N/A
8. Are all changes to original data lined out, initialed and dated by the individual making the changes or an individual authorized to make the change?	☐ NO	☒ YES	☐ N/A
9. Is there an adequate written description of the contents?	☐ NO	☒ YES	☐ N/A
10. Were the recording equipment checks satisfactory?	☐ NO	☐ YES	☒ N/A
11. Has each container in this BDR been evaluated for the presence of prohibited wastes?	☐ NO	☒ YES	☐ N/A
12. Has the physical waste form in each container in this BDR been evaluated against the Waste Stream Description and the Waste Matrix Code?	☐ NO	☒ YES	☐ N/A
13. Have the RH Quality Assurance Objectives (QAOs) for VE been met?	☐ NO	☒ YES	☐ N/A
Precision – reconciled discrepancies between operators or between the operator and ITR.	☐	☒	☐
Accuracy – trained operators	☐	☒	☐
Representativeness – description of container contents	☐	☒	☐
Completeness – completed data form and/or recording	☐	☒	☐
Comparability – proper training and adequate AK source documents are available for unopened containers.	☐	☒	☐
14. Were NCRs generated included in the BDR?	☐ NO	☐ YES	☒ N/A
Comments: None			

Independent Technical Reviewer:

F. Wesley Root	F. Wesley Root	08-19-13
Printed Name	Signature	Date

DIVIDER PAGE ONLY

Not part of page count

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Fax Record [ ] Electronic Record [ ] Copy

Attn:	Sheila Pearcy	From:	Wes Root
Ship to:	S.M. Stoller Rec. Mgmt. Govt.	Site:	ANL-E
	CCP Records	Company:	Nuclear Waste Partnership LLC
	4021 National Parks Hwy	Telephone Number:	630-252-8306
	Carlsbad, NM 88220	Date Sent:	8-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	Batch Data Report – Waste Container ID Numbers: SDD076307, SDD076309, SDD076308.	8-7-13	18
	WR 8-19-13		

Comments

SRS RH BDR

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [X]	Signature	JEFF PATTERSON Printed Name	8/22/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:

Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2203
DESTINATION TEL #	916302526706
DESTINATION ID	WES ROOT
ST. TIME	08/22 10:48
TIME USE	00'15
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[X] Original Record [ ] Copy
[ ] Fax Record
[ ] Electronic Record

Attn:	Sheila Pearcy	From:	Wes Root
Ship to:	S.M. Stoller Rec. Mgmt. Govt.	Site:	ANL-E
	CCP Records	Company:	Nuclear Waste Partnership LLC
	4021 National Parks Hwy	Telephone Number:	630-252-5306
	Carlsbad, NM 88220	Date Sent:	8-19-13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	Batch Data Report – Waste Container ID Numbers: SDD076307, SDD076309, SDD076306.	8-7-13	18
	WR 8-19-13		

Comments

SRS RH BDR

(When the Record accepted line has been completed, the rest of the page below may be left blank.)

Acceptance/Rejection Signature and Date

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/22/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	SPM Checklist	8/22/13	1
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted [✓]	Signature	JEFF PATTERSON Printed Name	8/22/13 Date
Records Rejected [ ]	Signature	Printed Name	Date

Reason for Rejection:

Re-submittal:	Signature	Printed Name	Date

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2214
DESTINATION TEL #	913038432208
DESTINATION ID	DENVER
ST. TIME	08/22 12:30
TIME USE	00'19
PAGES SENT	1
RESULT	OK

Controlled Copy

Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

[ ] Original Record [ ] Copy
[ ] Fax Record
[X] Electronic Record

Attn:	Jeff Patterson	From:	Laura Nelson
Ship to:	CCP Records	Site:	Denver
	4021 National Parks Highway	Company:	NWP
	MS:GSA:212	Telephone Number:	303-843-2269
	Carlsbad, NM 88220	Date Sent:	8/22/13
Telephone Number:	575-234-7523		

Document Number	Title / Description	Record Date	Total Pages
SRSRHVE13001	SPM Checklist	8/22/13	1
	NA		

Comments

NA

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

COPY

VE2

National TRU Program Certification
Effective Date: 03/13/2013

RH-VE-01, Rev. 7
Page 1 of 5

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Spencer Troy Pattee

Education/Experience

Resume documenting education and experience on file with National TRU Program Certification (NTPC) Training.	Michele Billett 6/17/13 NTPC Training — Date

Job Specific Training

☐ Initial Qualification ☑ Requalification ☐ Full Requalification

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the Site Project Manager (SPM) or the Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete the entire qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination

(Required at Initial Qualification and Full Requalification)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-HSP-014, *Health and Safety Program Implementation for CCP*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
8. CCP-QP-008, *CCP Records Management*
9. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
10. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
11. CCP-QP-023, *CCP Handling, Storage, and Shipping*
12. CCP-QP-029, *CCP Corrective Action Management*
13. CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records*
14. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
15. CCP-TP-513, *CCP Procedure for Dimensional or Gravimetric Measurements for Radiological Characterization of Remote-Handled Transuranic Waste*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.	N/A Trainee — Date

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Spencer Troy Pattee

Additional Training Requirements	
1. WAP/QAPjP Briefing & Exam *(One-time Requirement)*	Michele Billett 6/17/13 NTPC Training Date
2. CCP-VE-101, *Visual Examination (VE) TRU Waste Characterization Briefing (Always Required)*	Michele Billett 6/17/13 NTPC Training Date
3. VE Comprehensive Exam *(Always Required)*	Michele Billett 6/17/13 NTPC Training Date

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at Initial Qualification and Full Requalification)*	Visual Examination Expert (VEE) Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the VE Quality Assurance Objectives (QAOs) per the WAP.	
	2. List the VE Data Quality Objectives (DQOs) per the WAP.	
DOE/WIPP 02-3214	3. List the VE QAOs per the PIP.	
	4. List the VE DQOs per the PIP.	
CCP-QP-002	5. State the purpose of the List of Qualified Individuals (LOQI).	N A
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	
	7. Describe how nonconforming items are documented.	
	8. Describe how nonconforming items are controlled to prevent their use.	
	9. State who has the responsibility to validate the NCR once initiated.	
	10. Describe how to revise a NCR.	
	11. Describe how to void a NCR.	
CCP-QP-029	12. Describe the purpose of the corrective action report (CAR) process.	

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Spencer Troy Pattee

	13. State the person responsible for originating a CAR.	
	14. Describe how corrective actions are documented.	
	15. State who has the responsibility to validate the CAR once initiated.	
	16. Describe actions personnel may take when conditions adverse to quality are discovered.	
CCP-QP-008	17. List the responsibilities of record generators.	
	18. State the storage and control requirements for records.	
	19. Explain the process and proper method to make corrections or revisions to records.	
CCP-QP-010	20. State the importance of using approved documents.	
	21. State when to verify a document revision.	N A
CCP-QP-016	22. List the Measuring & Testing Equipment (M&TE) items used during VE.	
CCP-TP-500/ CCP-VE-101 Briefing	23. Explain the purpose of VE and the roles and responsibilities of the VE Operator.	3-19-13
	24. Identify who is responsible for overall direction and implementation of the VE of that facility.	
	25. Define the two phases of VE technique for remote-handled waste.	
	26. State the number of waste containers allowed per Batch Data Report (BDR).	
	27. Define "layers of confinement."	
	28. State the authorized methods to close a liner bag.	
	29. State the action to be taken if a condition adverse to quality arises.	
	30. State the waste material parameters (WMP).	
	31. Describe the information that should be recorded when describing waste items.	
	32. State five (5) examples of prohibited items.	

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Spencer Troy Pattee

	33. Describe how a non-transparent container is handled when liquid is suspected.			N A BDP 6-17-13
	34. State the acceptable liquid limits in a characterized container.			
	35. Explain the responsibilities and functions of the Independent Technical Review (ITR).			
	36. Define layers of confinement.			
	37. Describe how to determine Volume Utilization Percentage (VUP).			
	38. State the allowable fill percent increments.			
Formal Training	**OJT Practical Requirements[1]** *(This section must be performed in the presence of a VEE) (Always Required)*			**VEE SME/OJT Signature/Date**
CCP-TP-500	1. Prepare the recording equipment. *(This activity is at the discretion of the SME instructor)*	P	(S)	T.S. Pool 6-17-13
	2. Complete CCP-TP-500 Attachment 1.	P	(S)	T.S. Pool 6-17-13
	3. Prepare a BDR.	P	(S)	T.S. Pool 6-17-13
	4. Determine the VUP.	P	(S)	T.S. Pool 6-17-13
	5. Complete an ITR.	P	(S)	T.S. Pool 6-17-13
	6. Determine Waste Material Parameter (WMP).	P	(S)	T.S. Pool 6-17-13
	7. Verify the physical form of the waste matches the waste stream ID.	P	(S)	T.S. Pool 6-17-13
CCP-TP-513	8. Perform a dimensional or gravimetric measurement and determine the measurement acceptability[2].	P	(S)	T.S. Pool 6-17-13

[1] For simulated steps that involve the recording of information, the steps can be satisfied by the trainee's ability to identify the specific location in the correct record form where actual data would be entered, and explain where the information would be obtained. All required calculations will actually be performed: for simulations, representative data will be used in lieu of actual data. Circle "P" if actually performed or "S" if requirement was simulated

[2] Procedure CCP-TP-513 is not applicable at all sites. The OJT Practical Requirement for this procedure is only required if the procedure is invoked.

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Spencer Troy Pattee

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RH VE Operator/ITR.	Spencer Pattee 6-17-13 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH VE Operator/ITR. *(Validation by the RH VEE SME/OJT instructor(s) involved in the training of this individual).*	Jeffrey Poole 6-17-13 RH VEE SME/OJT Instructor *(printed name and signature)* Date N/A RH VEE SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH VE Operator/ITR.	Richard Kantrowitz 6/17/13 Irene Joo 6/17/13 SPM *(printed name and signature)* Date

Approved for Content & Format: Wes Root *(Approval on File)* 03/13/2013
SME/OJT Date

Approved for Applicability, Content & Format: Andrew Stallings *(Approval on File)* 03/13/2013
Cognizant Engineer Date

Approved for Content: Irene Joo *(Approval on File)* 03/13/2013
SPM Date

Approved for Applicability, Content, Format, & Use: A.J. Fisher *(Approval on File)* 03/13/2013
Manager Responsible for Training Date

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Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Anthony Harley

Education/Experience	
Resume documenting education and experience on file with National TRU Program Certification (NTPC) Training.	Cheryl Almaguer 06-06-13 NTPC Training / Date

Job Specific Training

☐ **Initial Qualification** ☑ **Requalification** ☐ **Full Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the Site Project Manager (SPM) or the Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete the entire qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination
(Required at Initial Qualification and Full Requalification)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-HSP-014, *Health and Safety Program Implementation for CCP*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
8. CCP-QP-008, *CCP Records Management*
9. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
10. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
11. CCP-QP-023, *CCP Handling, Storage, and Shipping*
12. CCP-QP-029, *CCP Corrective Action Management*
13. CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records*
14. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
15. CCP-TP-513, *CCP Procedure for Dimensional or Gravimetric Measurements for Radiological Characterization of Remote-Handled Transuranic Waste*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.	NA Trainee / Date

Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Remote-Handled (RH) Waste Qualification Card

Name: Anthony Harley

Additional Training Requirements		
1. WAP/QAPjP Briefing & Exam *(One-time Requirement)*	Cheryl Almaguer NTPC Training	06-06-13 Date
2. CCP-VE-101, *Visual Examination (VE) TRU Waste Characterization Briefing* *(Always Required)*	Cheryl Almaguer NTPC Training	06-06-13 Date
3. VE Comprehensive Exam *(Always Required)*	Cheryl Almaguer NTPC Training	06-06-13 Date

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at Initial Qualification and Full Requalification)*	Visual Examination Expert (VEE) Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the VE Quality Assurance Objectives (QAOs) per the WAP.	5-30-13
	2. List the VE Data Quality Objectives (DQOs) per the WAP.	5-30-13
DOE/WIPP 02-3214	3. List the VE QAOs per the PIP.	5-30-13
	4. List the VE DQOs per the PIP.	5-30-13
CCP-QP-002	5. State the purpose of the List of Qualified Individuals (LOQI).	5-8-13
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	5-8-13
	7. Describe how nonconforming items are documented.	5-8-13
	8. Describe how nonconforming items are controlled to prevent their use.	5-8-13
	9. State who has the responsibility to validate the NCR once initiated.	5-8-13
	10. Describe how to revise a NCR. AM 5-8-13	5-8-13
	11. Describe how to void a NCR.	5-8-13
CCP-QP-029	12. Describe the purpose of the corrective action report (CAR) process.	5-8-13

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Anthony Harley

	13. State the person responsible for originating a CAR.	5-8-13 5-8-13 5-8-13
	14. Describe how corrective actions are documented.	5-8-13
	15. State who has the responsibility to validate the CAR once initiated.	5-8-13
	16. Describe actions personnel may take when conditions adverse to quality are discovered.	5-8-13
CCP-QP-008	17. List the responsibilities of record generators.	5-8-13
	18. State the storage and control requirements for records.	5-8-13
	19. Explain the process and proper method to make corrections or revisions to records.	5-8-13
CCP-QP-010	20. State the importance of using approved documents.	5-30-13
	21. State when to verify a document revision.	5-30-13
CCP-QP-016	22. List the Measuring & Testing Equipment (M&TE) items used during VE.	5-30-13
CCP-TP-500/ CCP-VE-101 Briefing	23. Explain the purpose of VE and the roles and responsibilities of the VE Operator.	5-30-13
	24. Identify who is responsible for overall direction and implementation of the VE of that facility.	5-30-13
	25. Define the two phases of VE technique for remote-handled waste.	5-30-13
	26. State the number of waste containers allowed per Batch Data Report (BDR).	5-30-13
	27. Define "layers of confinement."	5-30-13
	28. State the authorized methods to close a liner bag.	5-30-13
	29. State the action to be taken if a condition adverse to quality arises.	5-30-13
	30. State the waste material parameters (WMP).	5-30-13
	31. Describe the information that should be recorded when describing waste items.	5-30-13
	32. State five (5) examples of prohibited items.	5-30-13

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Anthony Harley

	33. Describe how a non-transparent container is handled when liquid is suspected.			5-30-13
	34. State the acceptable liquid limits in a characterized container.			5-30-13
	35. Explain the responsibilities and functions of the Independent Technical Review (ITR).			5-30-13
	36. Define layers of confinement.			N/A
	37. Describe how to determine Volume Utilization Percentage (VUP).			5-30-13
	38. State the allowable fill percent increments.			5-30-13
Formal Training	**OJT Practical Requirements[1]** *(This section must be performed in the presence of a VEE) (Always Required)*			**VEE SME/OJT Signature/Date**
CCP-TP-500	1. Prepare the recording equipment. *(This activity is at the discretion of the SME instructor)*	P	S	5-30-13
	2. Complete CCP-TP-500 Attachment 1.	P	S	5-30-13
	3. Prepare a BDR.	P	S	5-30-13
	4. Determine the VUP.	P	S	5-30-13
	5. Complete an ITR.	P	S	5-30-13
	6. Determine Waste Material Parameter (WMP).	P	S	5-30-13
	7. Verify the physical form of the waste matches the waste stream ID.	P	S	5-30-13
CCP-TP-513	8. Perform a dimensional or gravimetric measurement and determine the measurement acceptability[2].	P	S	5-30-13

[1] For simulated steps that involve the recording of information, the steps can be satisfied by the trainee's ability to identify the specific location in the correct record form where actual data would be entered, and explain where the information would be obtained. All required calculations will actually be performed: for simulations, representative data will be used in lieu of actual data. Circle "P" if actually performed or "S" if requirement was simulated.

[2] Procedure CCP-TP-513 is not applicable at all sites. The OJT Practical Requirement for this procedure is only required if the procedure is invoked.

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Anthony Harley

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RH VE Operator/ITR.	Anthony Harley 5-30-13 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH VE Operator/ITR. *(Validation by the RH VEE SME/OJT instructor(s) involved in the training of this individual).*	Tommy Mojica 5-30-13 RH VEE SME/OJT Instructor *(printed name and signature)* Date NA RH VEE SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH VE Operator/ITR.	Richard Kantrowitz 6/6/13 SPM *(printed name and signature)* Date

Approved for Content & Format:	**Wes Root *(Approval on File)***	**03/13/2013**
	SME/OJT	Date
Approved for Applicability, Content & Format:	**Andrew Stallings *(Approval on File)***	**03/13/2013**
	Cognizant Engineer	Date
Approved for Content:	**Irene Joo *(Approval on File)***	**03/13/2013**
	SPM	Date
Approved for Applicability, Content, Format, & Use:	**A.J. Fisher *(Approval on File)***	**03/13/2013**
	Manager Responsible for Training	Date

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PAGE

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Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root

Education/Experience	
Resume documenting education and experience on file with National TRU Program Certification (NTPC) Training.	Michele Billett 8/29/13 NTPC Training — Date

Job Specific Training

☐ **Initial Qualification** ☑ **Requalification** ☐ **Full Requalification**

Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the Site Project Manager (SPM) or the Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete the entire qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination
(Required at Initial Qualification and Full Requalification)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-HSP-014, *Health and Safety Program Implementation for CCP*
3. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
4. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
5. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
6. CCP-QP-002, *CCP Training and Qualification Plan*
7. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
8. CCP-QP-008, *CCP Records Management*
9. CCP-QP-010, *CCP Document Preparation, Approval, and Control*
10. CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
11. CCP-QP-023, *CCP Handling, Storage, and Shipping*
12. CCP-QP-029, *CCP Corrective Action Management*
13. CCP-TP-163, *CCP Evaluation of Waste Packaging Records for Visual Examination of Records*
14. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
15. CCP-TP-513, *CCP Procedure for Dimensional or Gravimetric Measurements for Radiological Characterization of Remote-Handled Transuranic Waste*

I have read the listed Initial/Indoctrination Reading and understand my responsibilities as applicable to the procedures above.	N/A Trainee — Date

Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Remote-Handled (RH) Waste Qualification Card

Name: Wes Root

Additional Training Requirements	
1. WAP/QAPjP Briefing & Exam *(One-time Requirement)*	Michele Billett 8/29/13 NTPC Training Date
2. CCP-VE-101, *Visual Examination (VE) TRU Waste Characterization Briefing (Always Required)*	Michele Billett 8/29/13 NTPC Training Date
3. VE Comprehensive Exam *(Always Required)*	Michele Billett 8/29/13 NTPC Training Date

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at Initial Qualification and Full Requalification)*	Visual Examination Expert (VEE) Subject Matter Expert (SME)/OJT Signature/Date
CCP-PO-001	1. List the VE Quality Assurance Objectives (QAOs) per the WAP.	
	2. List the VE Data Quality Objectives (DQOs) per the WAP.	
DOE/WIPP 02-3214	3. List the VE QAOs per the PIP.	
	4. List the VE DQOs per the PIP.	
CCP-QP-002	5. State the purpose of the List of Qualified Individuals (LOQI).	
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	N/A
	7. Describe how nonconforming items are documented.	
	8. Describe how nonconforming items are controlled to prevent their use.	
	9. State who has the responsibility to validate the NCR once initiated.	
	10. Describe how to revise a NCR.	
	11. Describe how to void a NCR.	
CCP-QP-029	12. Describe the purpose of the corrective action report (CAR) process.	

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root

	13. State the person responsible for originating a CAR.	
	14. Describe how corrective actions are documented.	
	15. State who has the responsibility to validate the CAR once initiated.	
	16. Describe actions personnel may take when conditions adverse to quality are discovered.	
CCP-QP-008	17. List the responsibilities of record generators.	
	18. State the storage and control requirements for records.	
	19. Explain the process and proper method to make corrections or revisions to records.	
CCP-QP-010	20. State the importance of using approved documents.	
	21. State when to verify a document revision.	N/A
CCP-QP-016	22. List the Measuring & Testing Equipment (M&TE) items used during VE.	
CCP-TP-500/ CCP-VE-101 Briefing	23. Explain the purpose of VE and the roles and responsibilities of the VE Operator.	
	24. Identify who is responsible for overall direction and implementation of the VE of that facility.	
	25. Define the two phases of VE technique for remote-handled waste.	
	26. State the number of waste containers allowed per Batch Data Report (BDR).	
	27. Define "layers of confinement."	
	28. State the authorized methods to close a liner bag.	
	29. State the action to be taken if a condition adverse to quality arises.	
	30. State the waste material parameters (WMP).	
	31. Describe the information that should be recorded when describing waste items.	
	32. State five (5) examples of prohibited items.	

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root

	33. Describe how a non-transparent container is handled when liquid is suspected.			
	34. State the acceptable liquid limits in a characterized container.			
	35. Explain the responsibilities and functions of the Independent Technical Review (ITR).			N A
	36. Define layers of confinement.			
	37. Describe how to determine Volume Utilization Percentage (VUP).			
	38. State the allowable fill percent increments.			
Formal Training	**OJT Practical Requirements[1]** *(This section must be performed in the presence of a VEE) (Always Required)*			**VEE SME/OJT Signature/Date**
CCP-TP-500	1. Prepare the recording equipment. *(This activity is at the discretion of the SME instructor)*	P	S	N/A
	2. Complete CCP-TP-500 Attachment 1.	(P)	S	8/21/13
	3. Prepare a BDR.	(P)	S	8/21/13
	4. Determine the VUP.	(P)	S	8/21/13
	5. Complete an ITR.	(P)	S	8/21/13
	6. Determine Waste Material Parameter (WMP).	(P)	S	8/21/13
	7. Verify the physical form of the waste matches the waste stream ID.	(P)	S	8/21/13
CCP-TP-513	8. Perform a dimensional or gravimetric measurement and determine the measurement acceptability[2].	(P)	S	8/21/13

[1] For simulated steps that involve the recording of information, the steps can be satisfied by the trainee's ability to identify the specific location in the correct record form where actual data would be entered, and explain where the information would be obtained. All required calculations will actually be performed: for simulations, representative data will be used in lieu of actual data. Circle "P" if actually performed or "S" if requirement was simulated

[2] Procedure CCP-TP-513 is not applicable at all sites The OJT Practical Requirement for this procedure is only required if the procedure is invoked

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root

Approvals	
I have completed formal training and received OJT for this position. I fully understand my responsibilities as a RH VE Operator/ITR.	F. Wesley Root F. Wesley Root 08-27-13 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH VE Operator/ITR. *(Validation by the RH VEE SME/OJT instructor(s) involved in the training of this individual).*	Spencer Pilke 8-27-13 RH VEE SME/OJT Instructor *(printed name and signature)* Date N/A RH VEE SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH VE Operator/ITR.	Richard Kantrowitz 8/29/13 SPM *(printed name and signature)* Date

Approved for Content & Format: **Wes Root *(Approval on File)*** **03/13/2013**
SME/OJT Date

Approved for Applicability, Content & Format: **Andrew Stallings *(Approval on File)*** **03/13/2013**
Cognizant Engineer Date

Approved for Content: **Irene Joo *(Approval on File)*** **03/13/2013**
SPM Date

Approved for Applicability, Content, Format, & Use: **A.J. Fisher *(Approval on File)*** **03/13/2013**
Manager Responsible for Training Date

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Central Characterization Project Effective Date: 12/13/2010	RH-VE-01, Rev. 3 Page 1 of 6

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root	Badge Number: [redacted]
Email Address: [redacted]	

Job Specific Training	
☐ Initial Qualification	☒ Requalification
Qualification Limit	**This qualification is valid for two (2) years.** If necessary, additional training may be required by the CCP Lead Site Project Manager (SPM) or the CCP Manager Responsible for Training. Unsatisfactory performance will result in disqualification by the CCP Manager responsible for Training. The candidate must successfully complete the entire CCP qualification card to reestablish qualification.
Requalification Requirements	Items required for requalification are identified by text.

Indoctrination

(Required at initial qualification, or in the event of requalification after disqualification only.)

Initial/Indoctrination Reading:

1. DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
2. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
3. CCP-PO-002, *CCP Transuranic Waste Certification Plan*
4. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control(CCP RH-TRAMPAC)*
5. CCP-QP-002, *CCP Training and Qualification Plan*
6. CCP-QP-004, *CCP Corrective Action Management*
7. CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
8. CCP-QP-006, *CCP Corrective Action Reporting and Control*
9. CCP-QP-008, *CCP Records Management*
10. CCP-QP-010, *CCP Document Preparation Approval and Control*
11. CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*
12. CCP-QP-023, *CCP Handling, Storage, and Shipping*
13. CCP-TP-163, *CCP Standard VE of Records*
14. CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
15. CCP-TP-513, *CCP Procedure for Radiological Documentation Package for Dimensional or Gravimetric Radiological Characterization for Remote-Handled Transuranic Waste*

I have read the listed initial/indoctrination reading and understand my responsibilities as applicable to the procedures above.	F. Wesley Root 02-18-11
	Trainee Date

Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Remote-Handled (RH) Waste Qualification Card

Name: Wes Root	Badge Number: [redacted]
Email Address: [redacted]	

Additional Training Requirements		
1. WAP/QAPjP Briefing and Test. *(One-time requirement)*	CCP Training	Date: 8/23/11
2. Visual Examination (VE) TRU Waste Characterization Briefing for Contact-Handled (CH) & Remote-Handled (RH) Waste *(Required at each requalification)*	CCP Training	Date: 8/23/11
3. CCP RH VE Comprehensive Exam (score 80% or higher) administered by CCP Training. *(To be administered at each requalification.)*	CCP Training	Date: 8/23/11

Formal Training	On-the-Job Training (OJT) Knowledge Requirements *(Required at initial qualification or in the event of requalification after disqualification only.)*	Visual Examination Expert (VEE)/ Subject Matter Expert (SME) Signature/Date
CCP-PO-001	1. List the VE Quality Assurance Objectives (QAOs) per the WAP.	7-27-11
	2. List the VE Data Quality Objectives (DQOs) per the WAP.	7-27-11
DOE/WIPP 02-3214	3. List the VE QAOs per the PIP.	7-27-11
	4. List the VE DQOs per the PIP.	7-27-11
CCP-QP-002	5. State the purpose of the List of Qualified Individuals (LOQI).	7-27-11
CCP-QP-005	6. State when a nonconformance report (NCR) should be prepared and who is responsible to initiate it.	7-27-11
	7. Describe how nonconforming items are documented.	7-27-11
	8. Describe how nonconforming items are controlled to prevent their use.	7-27-11
	9. State who has the responsibility to validate the NCR once initiated.	7-27-11
	10. Describe how to revise a NCR.	7-27-11
	11. Describe how to void a NCR.	7-27-11

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root	Badge Number: [redacted]
Email Address: [redacted]	

CCP-QP-006	12. Describe the purpose of the corrective action report (CAR) process.	7-28-11
	13. State the person responsible for originating a CAR.	7-28-11
	14. Describe how corrective actions are documented.	7-28-11
	15. State who has the responsibility to validate the CAR once initiated.	7-28-11
	16. Describe actions CCP personnel may take when conditions adverse to quality are discovered.	7-28-11
CCP-QP-008	17. List the responsibilities of record generators.	7-28-11
	18. State the storage and control requirements for CCP records.	7-28-11
	19. Explain the process and proper method to make corrections or revisions to CCP records.	7-28-11
CCP-QP-010	20. State the importance of using approved documents.	7-29-11
	21. State when to verify a document revision.	7-28-11
CCP-QP-016	22. List the Measuring & Testing Equipment (M&TE) items used during VE.	8-1-11
CCP-TP-500/ CCP-VE-101 Briefing	23. Explain the purpose of VE and the roles and responsibilities of the VE Operator.	8-1-11
	24. Identify who is responsible for overall direction and implementation of the VE of that facility.	8-1-11
	25. Define the two phases of VE technique for remote-handled waste.	8-1-11
	26. State the number of waste containers allowed per Batch Data Report (BDR).	8-1-11
	27. Define "layers of confinement."	8-1-11
	28. State the authorized methods to close a liner bag.	8-1-11
	29. State the action to be taken if a condition adverse to quality arises.	8-1-11
	30. State the waste material parameters (WMP).	8-1-11

Visual Examination (VE)
Operator/Independent Technical Reviewer (ITR)
for Remote-Handled (RH) Waste
Qualification Card

Name: Wes Root	Badge Number: [redacted]
Email Address: [redacted]	

	31. Describe the information that should be recorded when describing waste items.			8-3-11
	32. State five (5) examples of prohibited items.			8-3-11
	33. Describe how a non-transparent container is handled when liquid is suspected.			8-3-11
	34. State the acceptable liquid limits in a characterized container.			8-3-11
	35. Explain the responsibilities and functions of the Independent Technical Review (ITR).			8-3-11
	36. Define layers of confinement.			8-3-11
	37. Describe how to determine Volume Utilization Percentage (VUP).			8-3-11
	38. State the allowable fill percent increments.			8-3-11
Formal Training	**OJT Practical Requirements**[1] *(This section must be performed in the presence of a VEE for initial and requalification)*			**VEE/SME Signature/Date**
CCP-TP-500	1. Prepare the recording equipment. *(This activity is at the discretion of the SME instructor.)*	P	(S)	8-4-11
	2. Complete CCP-TP-500 Attachment I.	(P)	S	8-4-11
	3. Prepare a BDR.	P	(S)	8-4-11
	4. Determine the VUP.	(P)	S	8-4-11
	5. Complete an ITR.	P	(S)	8-4-11
	6. Determine Waste Material Parameter (WMP).	(P)	S	8-4-11
	7. Verify the physical form of the waste matches the waste stream ID.	(P)	S	8-4-11
CCP-TP-513	8. Perform a dimensional or gravimetric measurement and determine the measurement acceptability[2].	(P)	S	8-4-11

[1] Actual performance of this requirement may not be possible at the time of qualification. Simulation of this requirement is acceptable where the option is given on the qualification card. Circle "P" if actually performed or "S" if requirement was simulated.
[2] Procedure CCP-TP-513 is not applicable at all sites. The OJT Practical Requirement for this procedure is only required if the procedure is invoked.

Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Remote-Handled (RH) Waste Qualification Card

Name: Wes Root	Badge Number: [redacted]
Email Address: [redacted]	

Approvals	
I have completed formal training and received on-the-job training for this position. I fully understand my responsibilities as a RH VE Operator/ITR.	F. Wesley Root F. Wesley Root 08-04-11 Trainee *(printed name and signature)* Date
I have monitored the training of this individual and believe they are ready to perform the duties of a RH VE Operator/ITR. *(Validation by the RH VEE SME/OJT instructor(s) involved in the training of this individual).*	Spencer Potter 8-4-11 RH VEE SME/OJT Instructor *(printed name and signature)* Date N/A RH VEE SME/OJT Instructor *(printed name and signature)* Date
I approve this employee to perform the duties of a RH VE Operator/ITR.	LAURA NELSON 8/23/11 CCP Lead or Alternate RH SPM *(printed name and signature)* Date

Approved for Content & Format: **Wes Root (Approval on File)** **12-13-2010**
RH VEE Subject Matter Expert *(printed name and signature)* Date

Approved for Content & Format: **Larry Porter (Approval on File)** **12-13-2010**
Cognizant Engineer *(printed name and signature)* Date

Approved for Content: **Irene Quintana (Approval on File)** **12-13-2010**
CCP Lead or Alternate RH SPM *(printed name and signature)* Date

Approved for Use: **A.J. Fisher (Approval on File)** **12-13-2010**
CCP Manager Responsible for Training *(printed name and signature)* Date

COPY

Visual Examination (VE) Operator/Independent Technical Reviewer (ITR) for Remote-Handled (RH) Waste Qualification Card

Name: Wes Root	Badge Number: CE01513
Email Address: rhwesr@anl.gov	

Site: SRS (Savanna River Site)

Acceptable Knowledge Briefings Received *(Listed by Waste Stream)*:*	
WR 8-30-11	

*For use with Initial and Additional Sites (To be completed for each site the trainee is qualifying for).

I have received and understand the listed AK Briefings: F. Wesley Root F. Wesley Root 08-30-11

Trainee *(Printed Name and Signature)* Date

From: Schrock, Beverly - WTS
To: CCP Training
Cc: Tilmon, William - WTS; Ladner, Bryan - WTs; Reeves, Ron - WTS; Lee, Ronnie - WTS; Schrock, Beverly - WTS; "Jamey Adams (james02.adams@srs.gov)"
Subject: Appointment letter - James Adams CH VEE - E Area, Cell 11 at SRS
Date: Thursday, May 17, 2012 2:09:54 PM

I have determined that James Adams meets the prerequisites in accordance with the CCP TRU Waste Characterization Quality Assurance Project Plan, CCP-PO-001, Section C1-4 for the position of CH VEE for the E Area, Cell 11 at SRS.

This determination is based on his previous experience and training.

Mr. Adams is currently trained and qualified as a VEE for the F Canyon Facility at SRS.

Thank you,

Beverly S. Schrock
Site Project Manager
Central Characterization Project
Washington TRU Solutions LLC
Contractor for the U.S. Department of Energy
Phone: (575) 234-7444
Cell: (575) 725-8205
Fax: (575) 234-7056
E-mail: beverly.schrock@wipp.ws

Billett, Michele - Stoller

From: Sensibaugh, Mike
Sent: Monday, March 15, 2010 8:42 AM
To: CCP Training
Cc: Simmons, Craig; 'Fussell, George - Remote CCP'; Stepzinski, Joseph - SRS; Billett, Bob; Stepzinski, Chuck
Subject: Appointment letter - James Adams CH VEE - F-Canyon Facility SRS

Alyca/Michelle,

I have determined James Adams meets prerequisites in accordance with the CCP Transuranic Waste Characterization Quality Assurance Project Plan, CCP-PO-001, Section B1-4 for the position of CH VEE for the F-Canyon Facility at SRS. This determination was based on his previous experience and training.
Mr. Adams was originally trained and qualified as a VE Operator at SRS then transferred to ORNL in November 2009. He is currently qualified as a VE Operator in the CCP program.

Thanks,

Mike Sensibaugh
CCP - Remote Handled
& Small Quantity Site Mgr
wk (575) 234-7122
cell (575) 706-5174

CCP Subject Matter Expert / On-the-Job Training Instructor Exam

Answer sheet

Name: James Adams **Badge #:** E7924

Position: VEE **Date:** 03/16/10

1.	A	11.	A
2.	B	12.	B
3.	C	13.	D
4.	C	14.	B
5.	A	15.	C
6.	D	16.	D
7.	D	17.	~~D~~ C
8.	D	18.	C
9.	B	19.	C
10.	C	20.	B

Graded by [illegible] Date [illegible] Grade [illegible]

LIST OF AUDITED DOCUMENTS			
	Document No.	**Rev.**	**Document Title**
1.	CCP-PO-001	21	CCP Transuranic Waste Characterization Quality Assurance Project Plan
2.	CCP-PO-002	27	CCP Transuranic Waste Certification Plan
3.	CCP-PO-004	34	CCP/SRS Interface Document
4.	CCP-PO-005	23	CCP Conduct of Operations
5.	CCP-PO-024	14	CCP/INL Interface Document
6.	CCP-PO-505	2	CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)
7.	CCP-QP-002	35	CCP Training and Qualification Plan
8.	CCP-QP-005	22	CCP TRU Nonconforming Item Reporting and Control
9.	CCP-QP-008	21	CCP Records Management
10.	CCP-QP-016	18	CCP Control of Measuring and Testing Equipment
11.	CCP-QP-021	9	CCP Surveillance Program
12.	CCP-QP-028	15	CCP Records Filing, Inventorying, Scheduling, and Dispositioning
13.	CCP-TP-001	20	CCP Project Level Data Validation and Verification
14.	CCP-TP-002	25	CCP Reconciliation of DQOs and Reporting Characterization Data
15.	CCP-TP-003	19	CCP Data Analysis for S3000, S4000, and S5000 Characterization
16.	CCP-TP-005	24	CCP Acceptable Knowledge Documentation
17.	CCP-TP-028	8	CCP Radiographic Test Drum and Training Container Construction
18.	CCP-TP-030	32	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
19.	CCP-TP-033	21	CCP Shipping of CH TRU Waste
20.	CCP-TP-035	26	CCP Container Management
21.	CCP-TP-053	14	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
22.	CCP-TP-056	5	CCP HSG Performance Demonstration Plan
23.	CCP-TP-066	13	CCP Radiography Screening Procedure for Prohibited Items
24.	CCP-TP-074	6	CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure
25.	CCP-TP-075	1	CCP RTR #15 Operating Procedure
26.	CCP-TP-082	9	CCP Waste Container Filter Vent Operation
27.	CCP-TP-087	6	CCP Scale Operations
28.	CCP-TP-093	17	CCP Sampling of TRU Waste Containers
29.	CCP-TP-098	3	CCP Installation of the NucFil HSG Sample Port
30.	CCP-TP-106	8	CCP Headspace Gas Sampling Batch Data Report Preparation
31.	CCP-TP-113	18	CCP Standard Contact-Handled Waste Visual Examination
32.	CCP-TP-120	16	CCP Container Management
33.	CCP-TP-145	4	CCP RTR #4 Operating Procedure
34.	CCP-TP-162	2	CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis
35.	CCP-TP-163	4	CCP Evaluation of Waste Packaging Records for Visual Examination of Records
36.	CCP-TP-175	3	CCP Analysis of Gas Samples for VOCs by GC/MS

LIST OF AUDITED DOCUMENTS			
	Document No.	**Rev.**	**Document Title**
37.	CCP-TP-180	3	CCP Analytical Sample Management
38.	CCP-TP-500	13	CCP Remote-Handled Waste Visual Examination
39.	CCP-TP-506	3	CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report
40.	CCP-TP-509	4	CCP Remote-Handled Transuranic Container Tracking
41.	CCP-TP-530	11	CCP RH TRU Waste Certification and WWIS/WDS Data Entry
42.	WP13-QA.03	22	Quality Assurance Independent Assessment Program

Controlled
Copy

Effective Date: MAY 3 1 2013

CCP-PO-001
Revision 21

CCP Transuranic Waste Characterization Quality Assurance Project Plan

Approved by: _____ Date: 4-16-13
CCP Site Project Manager
Mike Ramirez

Approved by: _____ Date: 4-16-13
Quality Assurance
Val Cannon

Approved by: _____ Date: 4-16-13
NTPC Manager
Ed Gulbransen

Approved by: _____ Date: 4-17-13
DOE-CBFO Quality Assurance Acting Director
Martin Navarrete

Approved by: _____ Date: 4-17-13
DOE-CBFO
Office of National TRU Program Director
for J.R. Stroble

Nuclear Waste Partnership
Carlsbad, NM

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
3	01/14/2002	Added Tables B-9, B-10, and B-11; Revised the CCP Organization Chart, Figure A-1; and made numerous editorial corrections.
4	05/31/2002	Revised the CCP Organization Chart, Figure A-1 and added 3 new positions in the responsibilities Section A-4; corrected an error in Table B3-1; revised Section B4-2; revised Sections B3-10, B3-12,B-4, and subsections, and revised Tables B3-11, B3-12, and B3-13 to reflect the current WAP.
5	02/05/2003	Revised the CCP Organization Chart, Figure A-1 and section A-4c to update to the Vice President of National TRU Program Division title. Changes made to implement the Drum Age Criteria (DAC) permit Modification.
6	06/11/2003	Updated to Revision 5 of the QAPD.
7	01/08/2004	Added procedures to Table B-9 and Table B-11.
8	03/15/2004	Added procedures to Table B-9, Table B-10 and Table B-11. Modified Site Project Quality Assurance Officer description and CCP Organization chart. Updated Table B1-2, Table B3-3, Section B3-5 to reflect the WAP. Updated Table B3-6, Table B4, Table B1-4, Section B-3a(2), B-3d(1)(a), Table B-1, and Table B-8 to delete PCBs. Section B-1c, 6th bullet revised to reflect the language of the WAP.
9	01/14/05	Revised to add procedures to Table B-9, Table B-10, and Table B-11. Incorporated CBFO DRR comments.
10	02/24/05	Revised to add procedure to table B-11, to incorporate LANL Off-Site Recovery Program Project Scope.
11	03/10/2005	Revised to add procedures to Section B1-2a and Table B-11. Added new table, Table B-9A, Solids Sampling Procedures Used by CCP.
12	03/22/2006	Revised procedures tables, Added new Table B-9, Listing of Permitted hazardous waste numbers and updated responsibilities.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
13	11/16/2006	Revised to implement changes to the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/RH PMR.
14	03/28/2007	Revised procedure tables to add references to sections implemented by the procedure, and to align the wording of Section B7-2 with the wording in the permit.
15	08/10/2007	Revised to remove Visual Examination (VE) Expert decisions and signature and date from Table B3-11, Testing Batch Data Report Contents. Added the Idaho National Laboratory (INL) procedures to Attachment 1, Implementing Procedures.
16	10/31/2007	Revised to incorporate statistical terminology and text changes included in September 2007 Class 1 Permit Notifications and update Attachment 1, Implementing Procedures.
17	06/23/2009	Updated to agree with the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit Class 1 Modification dated July 2008.
18	06/30/2010	Revised to incorporate modifications to the Hazardous Waste Facility Permit. To make editorial changes that are needed and to change the Waste Isolation Pilot Plant (WIPP), Waste Information System (WWIS) to WWIS/Waste Data System (WDS).
19	12/29/2010	Revised to include changes from Permit Renewal.
20	06/16/2011	Revised to incorporate Class 2 Permit Modification (Transuranic Package Transporter Model III and Standard Large Box 2).
21	05/31/2013	Revised to clarify hierarchy of documents, adding Nuclear Waste Partnership (NWP) LLC, 13-1, *Quality Assurance Program Description*, also revised due to the Class 2 permit modification request (PMR) to the Waste Isolation Pilot Plant (WIPP) Permit, and made other administrative changes as needed.

TABLE OF CONTENTS

A INTRODUCTION 8
A-1 Background 8
A-2 Scope 9

B PROJECT DESCRIPTION 9
B-1 Central Characterization Program Organization and Responsibilities 10
B-2 Central Characterization Program (CCP) Manager 10
B-3 Site Project Manager 10

C WASTE ANALYSIS PLAN 13
C-0 Introduction and Attachment Highlights 13
C-0a Waste Characterization 14
C-0b AK Sufficiency Determination 17
C-0c Waste Stream Profile Form Completion 20
C-0d Waste Confirmation 20
C-1 Identification of TRU Waste to be Managed at the WIPP Facility 21
C-1a Waste Stream Identification 21
C-1b Waste Summary Category Groups and Hazardous Waste Accepted at the WIPP Facility 21
C-1c Waste Prohibited at the WIPP Facility 21
C-1d Control of Waste Acceptance 23
C-1e Waste Generating Processes at the WIPP Facility 23
C-2 Waste Characterization Program Requirements and Waste Characterization Parameters 23
C-3 Generator Waste Characterization Methods 25
C-3a Acceptable Knowledge 25
C-3b Radiography and Visual Examination 25
C-4 Data Verification and Quality Assurance 26
C-4a Data Generation and Project Level Verification Requirements 27
C-4a(1) Data Quality Objectives 27
C-4a(2) Quality Assurance Objectives 28
C-4a(3) Data Generation 28
C-4a(4) Data Verification 28
C-4a(5) Data Transmittal 29
C-4a(6) Records Management 29
C-5 Permittee Level Waste Screening and Verification of TRU Mixed Waste 30
C-5a Phase I Waste Stream Screening and Verification 30
C-5a(1) WWIS/WDS Description 32
C-5a(2) Examination of the Waste Stream Profile Form and Container Data Checks 32
C-5a(3) Audit and Surveillance Program 33
C-5b Phase II Waste Shipment Screening and Verification 33

C-5b(1) Examination of the EPA Uniform Hazardous Waste Manifest and Associated Waste Tracking Information .. 34
C-5b(2) Examination of the Land Disposal Restriction Notice ... 34
C-5b(3) Verification ... 35
C-6 Permittees' Waste Shipment Screening QA/QC ... 35
C-7 Records Management and Reporting ... 35
C-7a General Requirements ... 36
C-7b Records Storage ... 36
C-8 Reporting ... 36

C1 WASTE CHARACTERIZATION TESTING METHODS ... 47
C1-1 Radiography ... 47
C1-2 Visual Examination ... 49

C2 RESERVED ... 52

C3 QUALITY ASSURANCE OBJECTIVES AND DATA VALIDATION TECHNIQUES FOR WASTE CHARACTERIZATION METHODS ... 53
C3-1 Validation Methods ... 53
C3-2 Nondestructive Examination Methods ... 54
C3-2a Radiography (T53, T508) ... 54
C3-2b Visual Examination (T6, T113, T163, T500) ... 55
C3-3 Acceptable Knowledge (T5) ... 55
C3-4 Data Review, Validation, and Verification Requirements ... 56
C3-4a Data Generation Level (T6, T32, T53, T106, T113, T143, T188, T500, T508) ... 57
C3-4a(1) Independent Technical Review (T6, T32, T53, T106, T113, T143, T188, T500, T508) ... 58
C3-4b Project Level ... 59
C3-4b(1) Site Project Manager Review ... 59
C3-4b(2) Preparing SPM Summary and Data Validation Summary ... 60
C3-4b(3) Preparing Waste Stream Characterization Packages ... 60
C3-4c Permittee Level ... 60
C3-5 Reconciliation with Data Quality Objectives ... 60
C3-5a Reconciliation at the Project Level ... 61
C3-5b Reconciliation at the Permittee Level ... 61
C3-6 Data Reporting Requirements ... 62
C3-6a Data Generation Level ... 62
C3-6b Project Level ... 62
C3-6b(1) Waste Stream Profile Form (T2) ... 63
C3-6b(2) Characterization Information Summary (T2) ... 63
C3-6b(3) Waste Stream Characterization Package (T2) ... 64
C3-6b(4) WIPP Waste Information System Data Reporting (T30) ... 65

C3-7 Nonconformances (Q5) 65
C3-8 Special Training Requirements and Certifications (Q2) 67
C3-9 Changes to WAP Related Plans or Procedures 68

C4 ACCEPTABLE KNOWLEDGE 73
C4-1 Introduction 73
C4-2 Acceptable Knowledge Documentation 74
C4-2a Required TRU Waste Management Program Information 74
C4-2b Required TRU Waste Stream Information 75
C4-2c Additional Acceptable Knowledge Information 76
C4-3 Acceptable Knowledge Training, Procedures, and Other Requirements 78
C4-3a Qualifications and Training Requirements (Q2) 78
C4-3b Acceptable Knowledge Assembly and Compilation 78
C4-3c Criteria for Assembling an Acceptable Knowledge Record and Delineating the Waste Stream 80
C4-3d AK Sufficiency Determination Request Contents (T5) 81
C4-3e Requirements for Re-evaluating Acceptable Knowledge Information (T5) 82
C4-3f Acceptable Knowledge Data Quality Requirements (T5) 83
C4-3g Audits of Acceptable Knowledge 84

C5 QUALITY ASSURANCE PROJECT PLAN REQUIREMENTS 85
C5-1 Quality Assurance Project Plans 85
C5-2 Document Review, Approval, and Control (Q10) 85

C6 AUDIT AND SURVEILLANCE PROGRAM 89
C6-1 Introduction 89
C6-2 Audit Procedures 89
C6-3 Audit Position Functions 89
C6-4 Audit Conduct 89

C7 TRU WASTE CONFIRMATION 90
C7-1 Permittee Confirmation of TRU Mixed Waste 90
C7-1a Permittee Confirmation of a Representative Subpopulation of the Waste 90
C7-1b Radiography Methods Requirements 90
C7-1c Visual Examination Methods Requirements 91
C7-2 Noncompliant Waste Identified During Waste Confirmation 92

C8 REFERENCES 94

LIST OF TABLES

Table C-1. Summary of Parameters, Characterization Methods, and Rationale for Transuranic Mixed Waste 37
Table C-2. Required Program Records Maintained in Generator/Storage Site Project Files..... 38
Table C-3. WIPP Waste Information System Data Fields[a] 39
Table C-4. Waste Tanks Subject to Exclusion 40
Table C-5. Listing of Permitted Hazardous Waste Numbers 41
Table C3-1. Waste Material Parameters and Descriptions..... 69
Table C3-2. Minimum Training and Qualification Requirements 70
Table C3-3. Testing Batch Data Report Contents 71

LIST OF FIGURES

Figure B-1. CCP Organization..... 12
Figure C-1. Waste Stream Profile Form (Example Only)..... 42
Figure C-2. Waste Characterization Process 44
Figure C-3. TRU Mixed Waste Screening and Verification Flow Diagram..... 45

LIST OF ATTACHMENTS

Attachment 1 – Implementing Procedures 98

A INTRODUCTION

The Central Characterization Program (CCP) is tasked with characterizing and certifying transuranic (TRU) waste for disposal at the Waste Isolation Pilot Plant (WIPP). Characterization consists of acceptable knowledge (AK), radiography and visual examination (VE). This work is conducted in accordance with the Nuclear Waste Partnership, LLC (NWP), *Quality Assurance Program Description* (QAPD) and this Quality Assurance Project Plan (QAPjP).

This QAPjP describes how waste characterization and certification by the CCP comply with NM 4890139088-TSDF, *Waste Isolation Pilot Plant Hazardous Waste Facility Permit* (HWFP), Attachment C - C6, *Waste Analysis Plan* (WAP) (New Mexico Environment Department [NMED]) and WP 13-1, the NWP QAPD. The format of this QAPjP parallels that of the WAP.

NOTE

Throughout this document, there are references to procedures that implement the requirements. These references appear as a letter and one to three digits in parenthesis where the requirement is stated. Document users should then be able to refer to Attachment 1, Implementing Procedures, where these references list the procedure number and title.

A-1 Background

The WAP is organized such that it specifies that the generator/storage sites (hereinafter referred to as “sites”) conduct their own TRU waste characterization and certification, including their own data generation level and project level data validation and verification. However, some sites (typically small quantity sites) do not have the resources necessary to characterize and certify their TRU waste. Additionally, other sites have expressed interest in using subcontractors to augment their existing capabilities. The CCP was established to assist these sites as well as to provide cost-effective TRU waste characterization, confirmation, and certification, including data generation level and project level data validation and verification.

The CCP may provide its services to a site by contracting directly with that site. If this is the case, the scope of services provided by CCP are specified in a Statement of Work (SOW) issued by the site. The SOW also specifies health and safety requirements, quality requirements, and other requirements specific to that site. A site-specific interface document may also be prepared which provides more detail on the site-CCP interface.

The site has general management oversight responsibility for work performed by the CCP at the site. The site is responsible for ensuring that CCP conducts its activities in compliance with site requirements.

A-2 Scope

This QAPjP specifies quality requirements, management activities, and procedures necessary to meet the specific data quality objectives (DQOs) for TRU waste characterization as defined in the WAP and QAPD. Only TRU waste that has been characterized and certified in accordance with the WAP is shipped to the WIPP facility. TRU waste characterization and certification activities conducted by the CCP are performed in accordance with the requirements and implementing procedures identified in this QAPjP. In some cases, some characterization or certification activities are shared between the CCP and the Host site. The applicable implementing site documentation is specified in a SOW and supplemented by a site interface document, if required.

This QAPjP meets WAP characterization and certification requirements for contact-handled (CH) and remote-handled (RH) TRU waste. As used in this document, the term TRU waste includes TRU and TRU-mixed wastes. The term “characterization” is used where applicable to indicate the entire characterization process. Additionally, the WAP allows waste streams to be divided into waste stream lots. Therefore, the term waste stream may be used to indicate waste stream lots.

B PROJECT DESCRIPTION

Consistent with requirements in the WAP, CCP uses AK to initially characterize TRU waste. Section C4 of this QAPjP outlines the process used to characterize TRU waste using AK. AK documentation provides the basis for identifying the TRU waste eligible for WIPP disposal. The characterization process is based on the following:

- Waste considered for characterization is defense-related and has a TRU alpha activity greater than 100 nanocuries (nCi) per gram (g)
- Resource Conservation and Recovery Act (RCRA) hazardous waste determinations are made initially using AK for TRU waste streams

AK information for each waste stream is compiled in AK reports and supporting documentation. Based on AK, waste streams are delineated according to Summary Category Group, and waste matrix codes are assigned to each waste stream.

The CCP evaluates the characterization necessary to certify a particular waste stream. If additional characterization is needed to supplement site capabilities, the CCP uses mobile characterization facilities to perform characterization activities. Mobile characterization support is provided in accordance with this QAPjP. The CCP has the option to use data or transportation services from established TRU waste characterization activities at a U.S. Department of Energy (DOE)-Carlsbad Field Office (CBFO)-certified site.

B-1 Central Characterization Program Organization and Responsibilities

The CCP organization is shown in Figure B-1, CCP Organization, and responsibilities are described in the following sections. Figure B-1 includes generic CCP positions. More specific positions are described in the SOW or site interface plan.

B-2 Central Characterization Program (CCP) Manager

The CCP Manager is responsible for the day-to-day management and direction of CCP activities related to the characterization, certification, transportation, and disposal of TRU waste for DOE-CBFO. The CCP Manager is responsible for the following:

- Ensuring successful CCP/site interface
- Ensuring CCP plans and operations are coordinated, integrated, and consistent with DOE-CBFO programs, policies, and guidance
- Coordinating CCP activities and functioning as principal point of contact with DOE-CBFO and other regulating agencies
- Reviewing and approving this QAPjP

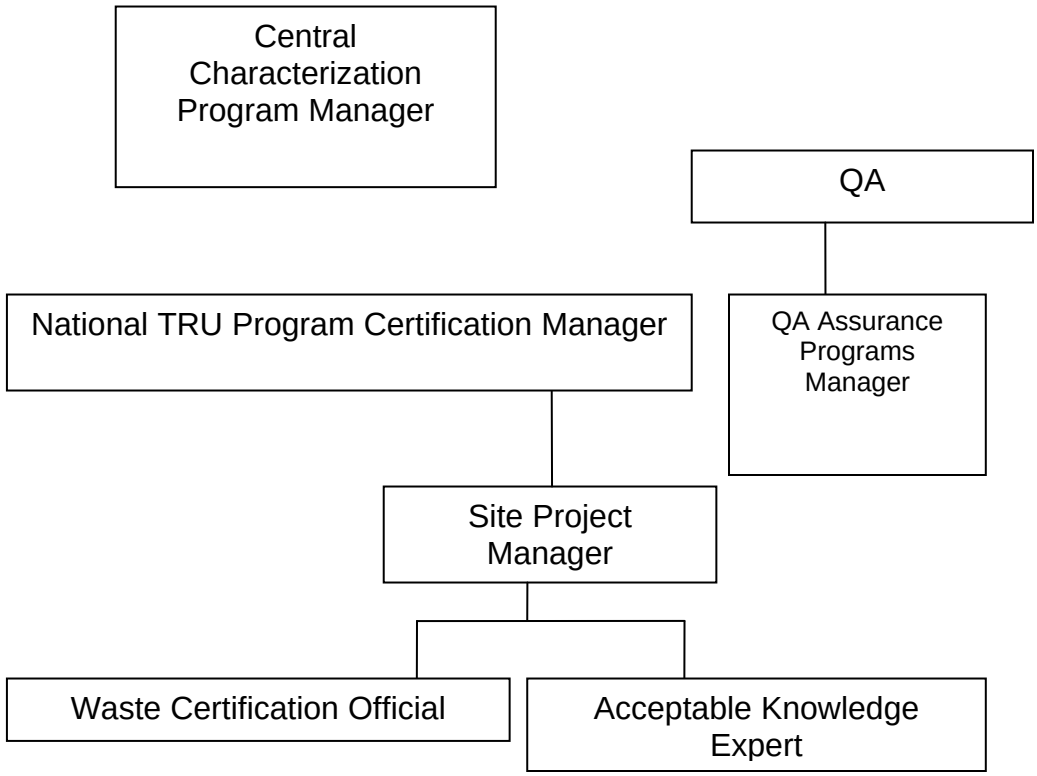
B-3 Site Project Manager

The Site Project Manager (SPM) oversees TRU waste characterization and certification activities and is responsible for the following:

- Developing, maintaining, reviewing, approving, and implementing CCP procedures and plans
- Scheduling revisions and distribution of CCP procedures and plans and forwarding these documents (if significantly revised) to DOE-CBFO for review and approval before implementation
- Reviewing and approving site interface documents (if used)
- Participating in internal audits and assessments
- Assisting Quality Assurance (QA) in developing project assessment criteria and responses to deficiency reports
- Halting characterization or certification activities if problems affecting the quality of the certification or work processes exist

- Ensuring CCP personnel receive appropriate training and orientation and maintain proficiency in work assignments
- Evaluating AK reports
- Reconciling AK information with characterization data
- Reconciling verified data with DQOs
- Ensuring that conditions adverse to quality are resolved and that corrective actions are implemented in a timely manner
- Preparing and submitting SPM Data Validation Summaries, Waste Stream Profile Forms (WSPFs), Characterization Information Summaries, and Waste Stream Characterization Packages (if requested by DOE-CBFO)
- Reviewing semi-annual QA/Quality Control (QC) summary reports and forwarding them and comments to the DOE-CBFO

Figure B-1. CCP Organization



C WASTE ANALYSIS PLAN

C-0 Introduction and Attachment Highlights

This QAPjP has been prepared for waste characterization activities to be conducted to meet requirements set forth in 20.4.1.500 New Mexico Administrative Code (NMAC) (incorporating 40 Code of Federal Regulation [CFR] §264.13) for waste disposal at the WIPP. This QAPjP includes test methods for complying with the general waste analysis requirements of 20.4.1.500 NMAC (incorporating 40 CFR §264.13), and a description of the QA/QC program. Before the CCP offers waste for shipment to the WIPP, the CCP implements the applicable requirements of this QAPjP.

TRU waste contains TRU radioactive components and may contain hazardous components, as defined in the New Mexico Hazardous Waste Act (HWA) and 20.4.1.200 NMAC (incorporating 40 CFR, §268.35. TRU waste is designated and separately packaged as either CH or RH, based on the radiological dose rate at the surface of the waste container.

The hazardous components of the TRU waste to be managed at the WIPP facility are designated in Table C-5, Listing of Permitted Hazardous Waste Numbers. Some of the waste is also identified by unique state hazardous waste numbers and is certified by the CCP if it meets the conditions of the WIPP Hazardous Waste Permit, Part 2, Table 2.3.4. This document describes the measures that will be taken to ensure that the TRU mixed wastes received at the WIPP facility are within the scope of Table C-5 as established by 20.4.1.500 NMAC (incorporating 40 CFR §264), and that they comply with unit-specific requirements of 20.4.1.500 NMAC (incorporating 40 CFR §264.600), Miscellaneous Units.

The CCP has developed this QAPjP to comply with the requirements of the WAP for characterizing CH TRU wastes. The hazardous components of the TRU waste disposed at the WIPP facility are described on a WSPF for each waste stream (T2). TRU waste that may be certified by the CCP are generated at DOE facilities by defense activities, including the following:

- Production of nuclear products
- Plutonium recovery
- Research and development
- Decontamination and decommissioning

Some TRU waste is retrievably stored at the DOE sites. Additional TRU waste is generated and packaged into containers at these sites. Retrievably stored waste is defined as TRU waste generated after 1970 and before NMED notifies the Permittees, by approval of the final audit report, that the characterization requirements of the WAP

at a site have been implemented. Newly-generated waste is defined as TRU waste generated after NMED approves the final audit report for a site. Waste characterization of retrievably stored TRU waste is performed on an ongoing basis, as the waste is retrieved. AK information is assembled for both the retrievably stored and newly generated waste. Waste characterization of newly generated TRU waste is performed as it is generated, although some characterization occurs post-generation.

Waste characterization is defined in Part 1 as the activities performed by the waste generator to satisfy the general waste analysis requirements of 20.4.1.500 NMAC (incorporating 40 CFR §264.13[a]) before waste containers have been certified for disposal at WIPP. The characterization process for WIPP waste is presented in Figure C-2, Waste Characterization Process. CCP waste characterization programs are first audited by DOE, with the NMED approving the final audit report. After this, CCP determines whether AK alone is sufficient for characterization, or whether a radiography or VE in conjunction with AK is necessary to adequately characterize wastes. If an AK Sufficiency Determination is sought, information is provided to the Permittees for their review and DOE's provisional approval; NMED determination of adequacy of the AK information is required before final approval by DOE. If the radiography or VE route is chosen, sites proceed to perform radiography or VE in conjunction with AK and in accordance with this QAPjP. Once an AK Sufficiency Determination is obtained, or when required radiography or VE data are obtained, sites would then prepare and submit the WSPF for DOE's approval. Once the WSPF is approved, CCP may ship waste to WIPP. The Permittees will perform waste confirmation prior to shipment of the waste from the generator/storage site to WIPP pursuant to Section C7, performing radiography or VE of a representative subpopulation of certified waste containers, to ensure that the wastes meet the applicable requirements of the *Treatment, Storage, and Disposal Facility Waste Acceptance Criteria* (TSDF-WAC).

C-0a Waste Characterization

Characterization requirements for individual containers of TRU waste are specified on a waste stream basis. The WAP defines a waste stream as waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity. Waste streams are grouped by waste matrix code groups related to the physical and chemical properties of the waste (DOE 1995b). The CCP uses the characterization techniques described in this QAPjP to assign the appropriate waste matrix code groups to waste streams for WIPP disposal. The waste matrix code groups are solidified inorganics, solidified organics, salt waste, soils, lead/cadmium metal, inorganic nonmetal waste, combustible waste, graphite, filters, heterogeneous debris waste, and uncategorized metal. Waste matrix code groups are grouped into three Summary Category Groups: Homogeneous Solids (Summary Category Group S3000), Soil/Gravel (Summary Category Group S4000), and Debris Waste (Summary Category Group S5000).

TRU wastes are initially categorized into the three broad Summary Category Groups that are related to the final physical form of the wastes. This categorization is based on the Summary Category Group constituting the greatest volume of waste for a waste stream. Waste characterization requirements for these groups are specified in Section C-2. Each of the three groups is described below.

S3000 - Homogeneous Solids

Homogeneous solids, are defined as solid materials, excluding soil, that do not meet the NMED criteria for classification as debris (20.4.1.800 NMAC [incorporating 40 CFR §268.2(g) and (h)]). Included in the series of homogeneous solids are inorganic process residues, inorganic sludges, salt waste, and pyrochemical salt waste. Other waste streams are included in this Summary Category Group based on the specific waste stream types and final waste form. This Summary Category Group is expected to contain toxic metals and spent solvents. This category includes wastes that are at least 50 percent by volume homogeneous solids.

S4000 - Soils/Gravel

This Summary Category Group includes S4000 waste streams that are at least 50 percent by volume soil/gravel. This Summary Category Group is expected to contain toxic metals.

S5000 - Debris Wastes

This Summary Category Group includes heterogenous waste that is at least 50 percent by volume materials that meet the criteria specified in 20.4.1.800 NMAC (incorporating 40 CFR §268.2 [g]). Debris means solid material exceeding a 2.36 inch (in.) (60 millimeter [mm]) particle size that is intended for disposal and that is:

1. a manufactured object, or

2. plant or animal matter, or

3. natural geologic material.

Particles smaller than 2.36 inches in size may be considered debris if the debris is a manufactured object and if it is not a particle of S3000 or S4000 material.

The most common hazardous constituents in the TRU waste to be managed in the WIPP facility consist of the following:

Metals

Some of the TRU waste to be emplaced in the WIPP facility contains metals for which 20.4.1.200 NMAC (incorporating 40 CFR §261.24), toxicity characteristics were established (EPA Hazardous Waste Numbers D004 through D011). Cadmium, chromium, lead, mercury, selenium, and silver are present in discarded tools and equipment, solidified sludges, cemented laboratory liquids, and waste from decontamination and decommissioning activities. A large percentage of the waste consists of lead-lined gloveboxes, leaded rubber gloves and aprons, lead bricks and piping, lead tape, and other lead items. Lead, because of its radiation-shielding applications, is the most prevalent toxicity-characteristic metal present.

Halogenated Volatile Organic Compounds

Some of the TRU waste to be emplaced in the WIPP facility contains spent halogenated volatile organic compound (VOC) solvents identified in 20.4.1.200 NMAC (incorporating 40 CFR §261.31) (EPA Hazardous Waste Numbers F001 through F005). Tetrachloroethylene; trichloroethylene; methylene chloride; carbon tetrachloride; 1,1,1-trichloroethane; and 1,2-trichloro-1,2,2,-trifluoroethane (EPA Hazardous Waste Numbers F001 and F002) are the most prevalent halogenated organic compounds identified in TRU waste that may be managed at the WIPP facility during the Disposal Phase. These compounds are commonly used to clean metal surfaces prior to plating, polishing, or fabrication; to dissolve other compounds; or as coolants. Because they are highly volatile, only small amounts typically remain on equipment after cleaning or, in the case of treated waste waters, in the sludges after clarification and flocculation. Radiolysis may also generate halogenated volatile organic compounds.

Nonhalogenated Volatile Organic Compounds

Xylene, methanol, and n-butanol are the most prevalent nonhalogenated VOCs in TRU waste that may be managed at the WIPP facility during the Disposal Phase. Like the halogenated VOCs, they are used as degreasers and solvents and are similarly volatile. The same analytical methods that are used for halogenated VOCs are used to detect the presence of nonhalogenated VOCs. Radiolysis may also generate non-halogenated volatile organic compounds.

The CCP will characterize waste in accordance with this QAPjP, and ensure that waste proposed for storage and disposal at WIPP meets the applicable requirements of the

TSDF-WAC in Part 2. The CCP will assemble the AK information in an auditable record[1] for the waste stream as described in Section C4. For those waste streams with an approved AK Sufficiency Determination (see below), radiography or VE per the methods described in Section C1 are not required.

All waste characterization activities specified in this QAPjP and associated attachments shall be carried out at generator/storage sites and DOE approved laboratories in accordance with this QAPjP. The DOE will audit the CCP waste characterization programs and activities as described in Section C-3. Waste characterization activities at the generator/storage sites include the following, although not all these techniques will be used on each container, as discussed in Section C-3:

- Radiography, an x-ray technique used to determine the physical contents of containers.
- VE of the contents of opened containers as an alternative way to determine their physical contents.
- Compilation of AK documentation into an auditable record.

C-0b AK Sufficiency Determination

CCP may submit a request to the Permittees for an AK Sufficiency Determination (Determination Request) to be exempt from the requirement to perform radiography or VE based on AK(T5). The contents of the Determination Request are specified in Section C4-3d.

The Permittees shall evaluate the Determination Request for completeness and technical adequacy. This evaluation shall include, but not be limited to whether the Determination Request is technically sufficient for the following:

[1]"Auditable records" means those records which allow the Permittees to conduct a systematic assessment, analysis, and evaluation of the Permittees' compliance with the WAP and the Permit.

- The Determination Request must include all information specified in Section C4-3d.
- The AK Summary must identify relevant hazardous constituents, and must correctly identify all toxicity characteristic and listed hazardous waste numbers.
- All hazardous waste number assignments must be substantiated by supporting data and, if not, whether this lack of substantiation comprises the interpretation.
- Resolution of data discrepancies between different AK sources must be technically correct and documented.
- The AK Summary must include all the identification of waste material parameter weights by percentage of the material in the waste stream, and determinations must be technically correct and substantiated by supporting information.
- All prohibited items specified in the TSDF-WAC should be addressed and conclusions drawn and must be substantiated by supporting information.
- If the AK record includes process control information specified in Section C4-3b, the information should include procedures, waste manifests, or other documentation demonstrating that the controls were adequate and sufficient.
- The site must provide the supporting information necessary to substantiate technical conclusions with the Determination Request, and this information must be correctly interpreted.

The Permittees will review the Determination Request for technical adequacy and compliance with the requirements of the Permit, using trained and qualified individuals in accordance with standard operating procedures that shall, at a minimum, address all of the technical and procedural requirements listed above. The Permittees shall resolve comments with the CCP.

If DOE determines that the AK is sufficient, it shall inform the public of the Determination Request, the Permittees' evaluation of it, and the date and time of a public meeting to provide information to and solicit comments from interested members of the public regarding the Determination Request. Notice of the meeting and comment period shall be provided by the following methods:

1. Written notice to all individuals on the facility mailing list;
2. Public notice in area newspapers, including the Carlsbad Current-Argus, Albuquerque Journal, and Santa Fe New Mexican;

3. Notice on the WIPP Home Page;

4. E-mail notification as specified In Permit Section 1.11.

DOE shall take written comment on the Determination Request for at least 30 days following the public meeting. DOE shall compile all such comments, including any disagreement between the DOE and commenters.

If DOE provisionally approves the Determination Request, it may forward it along with all relevant information submitted with the Determination Request to NMED for an evaluation that the provisional approval made by the DOE is adequate. DOE shall also provide to NMED, as a separate appendix to the Determination Request, the compilation of all comments and DOE's response to each comment. After submitting a Determination Request to NMED, the Permittees will post a link to the transmittal letter to NMED on the WIPP Home Page and inform those on the e-mail notification list as specified in Permit Section 1.11. Based on the results of NMED's evaluation, the Permittees will notify the CCP whether the AK information is sufficient and the Determination Request is approved. The DOE will not approve a Determination Request that NMED has determined to be inadequate unless the CCP resolves the inadequacies and provides the resolution to NMED for evaluation of adequacy. Should the inadequacies not be resolved to NMED's satisfaction, the DOE shall not submit a Determination Request for the same waste stream at a later date. DOE shall not submit a Determination Request, if a previous Determination Request is pending evaluation by NMED.

In the event the DOE disagrees, in whole or in part, with an evaluation performed by NMED resulting in a determination by NMED that the DOE's provisional approval for a particular waste stream is inadequate, the DOE may seek dispute resolution. The dispute resolution process is specified in Part 1. The Secretary's final decision under Permit Section 1.16.4 shall constitute a final agency action.

By July 1 of each year, the Permittees shall submit to NMED a list of waste streams the Permittees may submit for an AK Sufficiency Determination during the upcoming federal fiscal year. The Permittees will post a link to the transmittal letter to NMED and announce a public meeting to discuss the list with interested members of the public on the WIPP Home Page and inform those on the e-mail notification list as specified in Permit Section 1.11.

If the CCP does not submit a Determination Request, or if the DOE does not approve a Determination Request, or if NMED finds that the DOE's provisional approval of a Determination Request is inadequate, the CCP shall perform radiography or VE on 100 percent of the containers in a waste stream.

If the CCP submits a Determination Request, the DOE provisionally approves the Determination Request and NMED finds that the DOE's provisional approval is adequate, neither radiography nor VE of the waste stream is required.

C-0c Waste Stream Profile Form Completion

After a complete AK record has been compiled and either a Determination Request has been approved by the DOE or the CCP has completed the applicable representative testing requirements specified in Section C1, the CCP will complete a WSPF and Characterization Information Summary (CIS) (T2). The requirements for the completion of a WSPF and a CIS are specified in Sections C3-6b(1) and C3-6b(2) respectively.

The WSPF and the CIS for the waste stream resulting from waste characterization activities are transmitted to the Permittees, who shall review them for completeness, and screen them for acceptance before the CCP proceeds with payload assembly of TRU waste into the CH or RH Packaging. The review and approval process will ensure that the submitted waste analysis information is sufficient to meet the DQOs for AK in Section C-4a(1) and allow the Permittees to demonstrate compliance with the requirements of the WIPP-WAP. Only TRU waste that meets the characterization requirements of the WAP is certified by the CCP. Only waste certified to meet the TSDF-WAC, specified in the WAP, is accepted at the WIPP facility for disposal in the permitted Underground Hazardous Waste Disposal Unit (HWDU). DOE will approve and provide NMED with copies of the approved WSPF and accompanying CIS prior to waste stream shipment. Upon notification of DOE's approval of the WSPF, the CCP may be authorized to ship waste to WIPP.

In the event that the Permittees request detailed information on a waste stream, the CCP provides a Waste Stream Characterization Package, as described in Section C3-6b(3). For each waste stream, this package will include the WSPF, the CIS, and the AK summary. The Waste Stream Characterization Package will also include specific Batch Data Reports (BDRs), and raw data associated with waste container characterization as requested by the Permittees.

C-0d Waste Confirmation

The Permittees will perform waste confirmation on a representative subpopulation of each waste stream shipment after certification and prior to shipment pursuant to Section C7. The Permittees will use radiography, review of radiography audio/video recordings, VE, or review of VE records (e.g., VE data sheets or packaging logs) to examine at least 7 percent of each waste stream shipment to confirm that the waste does not contain ignitable, corrosive, or reactive waste. Waste confirmation will be performed by the Permittees prior to shipment of the waste from the generator/storage site to WIPP.

C-1 Identification of TRU Waste to be Managed at the WIPP Facility

C-1a Waste Stream Identification

TRU waste destined for disposal at WIPP is characterized on a waste stream basis. The waste streams are delineated using AK. Required AK is specified in Section C-3a and Section C-4 of this QAPjP.

C-1b Waste Summary Category Groups and Hazardous Waste Accepted at the WIPP Facility

Once a waste stream is delineated, a waste matrix code is assigned to the waste stream based on its physical form. Waste streams are then assigned to one of the Summary Category Groups; S3000-Homogeneous Solids, S4000-Soils/Gravel, and S5000-Debris Wastes. These Summary Category Groups are then used to determine further characterization requirements.

The CCP considers only those TRU waste streams that are assigned EPA hazardous waste numbers listed in Table C-5. Waste identified by unique state hazardous waste numbers is acceptable at WIPP provided they meet the requirements of the TSDF-WAC. The CCP performs characterization of all waste streams as required by the WAP. If during the characterization process, new hazardous waste numbers are identified, those wastes are prohibited for disposal at the WIPP facility until a permit modification has been submitted and approved by NMED.

C-1c Waste Prohibited at the WIPP Facility

The following TRU wastes are prohibited for disposal at the WIPP facility:

- Liquid waste is not acceptable at WIPP. Liquid in the quantities delineated below is acceptable.
  - Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of radiography or visual examination
  - Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited
  - Containers with hazardous waste number U134 assigned shall have no observable liquid
  - Overpacking the outermost container that was examined during radiography or VE or redistributing untreated liquid within the container shall not be used to meet the volume limits

- Non-radionuclide pyrophoric materials, such as elemental potassium.
- Hazardous wastes not occurring as co-contaminants with TRU waste (non-mixed hazardous waste).
- Wastes incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes.
- Wastes containing explosives or compressed gases.
- Wastes with polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization.
- Wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (Hazardous Waste Numbers D001, D002, or D003).
- Any waste container from a waste stream (or waste stream lot) that has not undergone either radiographic or VE of a statistically representative subpopulation of the waste stream in each shipment, pursuant to Section C7.
- Any waste container from a waste stream which has not been preceded by an appropriate, certified WSPF (see Section C-1d).
- Waste that has ever been managed as high-level waste and waste from tanks specified in Table C-4, Waste Tanks Subject to Exclusion, unless specifically approved through a Class 3 permit modification.

Before accepting a container holding TRU waste, the Permittees will perform waste confirmation activities pursuant to Section C7 on each waste stream shipped to confirm that the waste does not contain ignitable, corrosive, or reactive waste and the assigned EPA hazardous waste numbers are allowed for storage and disposal by this QAPjP. Waste confirmation activities will be performed on at least 7 percent of each waste stream shipment. If a waste stream shipment contains fewer than 14 containers, one container will be examined to satisfy waste confirmation requirements. Section C-4 and Section C7 include descriptions of the waste confirmation processes that the Permittees will conduct prior to receiving a shipment at the WIPP facility.

Containers are vented through filters allowing any gases that are generated by radiolytic and microbial processes within a waste container to escape, thereby preventing over pressurization or development of conditions within the container that would lead to the formation of ignitable, corrosive, reactive, or other characteristic wastes. To ensure the integrity of the WIPP facility, waste streams identified to contain incompatible materials or materials incompatible with waste containers are not shipped to WIPP unless they are treated to remove the incompatibility. The CCP does not certify waste streams

identified to contain incompatible materials or materials incompatible with waste containers or backfill.

C-1d Control of Waste Acceptance

The CCP will provide a WSPF and CIS to the Permittee for each waste stream prior to shipment of the waste (T2). The WSPF and CIS elements are found in Section C3-6b(1) and Section C3-6b(2). The CCP will provide the WSPF to the Permittees for each waste stream prior to its acceptance for disposal at WIPP. The WSPF and the CIS will be transmitted to the Permittees for each waste stream. After WSPF submittal, if continued waste characterization activities reveal discrepancies that identify different hazardous waste numbers or indicate that the waste belongs to a different waste stream, the waste is redefined to a separate waste stream and a new WSPF is submitted.

The Permittees are responsible for the review of the WSPF and CISs to verify compliance with the restrictions on TRU wastes for WIPP disposal. Waste characterization data ensures the absence of prohibited items specified in Section C-1c. CCP determines by procedure the specific circumstances under which a WSPF is to be revised versus when a new WSPF is required.

The CCP provides a Waste Stream Characterization Package (as described in Section C3-6b(3)) to the Permittees upon request. The option for the Permittees to request additional information ensures that the waste being offered for disposal is adequately characterized and accurately described on the WSPF.

C-1e Waste Generating Processes at the WIPP Facility

Not applicable. This section applies to the Permittee.

C-2 Waste Characterization Program Requirements and Waste Characterization Parameters

The CCP has developed the procedures which specify the programmatic waste characterization requirements (Q10). DOE will evaluate the procedures during audits and as part of the review and approve of the WSPF.

CCP must notify the Permittees and obtain DOE approval prior to making data-affecting modifications to procedures (Q10). Program procedures shall address the following minimum elements:

- Waste characterization and certification procedures for retrievably stored and newly generated wastes to be sent to the WIPP facility.

- Methods used to ensure prohibited items are documented and managed. These will include procedures for performing radiography, VE, or treatment, if these methods are used to ensure prohibited items are not present in the waste prior to shipment of the waste to WIPP.

- Identify the organization(s) responsible for compliance with waste characterization and certification procedures.

- Identify the oversight procedures and frequency of actions to verify compliance with waste characterization and certification procedures.

- Develop training specific to waste characterization and certification procedures.

- Ensure that personnel may stop work if noncompliance with waste characterization or certification procedures is identified.

- Develop a nonconformance process that complies with the requirements in Section C3 to document and establish corrective actions.

- As part of the corrective action process, assess the potential time frame of the noncompliance, the potentially affected waste population(s), and the reassessment and recertification of those wastes.

- A listing of all approved hazardous waste numbers which are acceptable at WIPP are included in Table C-5.

For those waste streams or containers that are not amenable to radiography (e.g., RH TRU waste, direct loaded ten-drum overpacks [TDOPs]) for waste confirmation by the Permittees pursuant to Section C7, CCP VE data may be used for waste acceptance. In those cases, the Permittees will review the CCP VE procedures to ensure that data sufficient for the Permittees' waste acceptance activities pursuant to Section C7 will be obtained and the procedures meet the minimum requirements for VE specified in Section C1-1.

The following waste characterization parameters are obtained from the CCP prior to waste certification:

- Determination whether TRU waste streams comply with the applicable provisions of the TSDF-WAC.

- Determination whether TRU mixed wastes exhibit a hazardous characteristic (20.4.1.200 NMAC, incorporating 40 CFR §261 Subpart C).

- Determination whether TRU mixed wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR §261 Subpart D).

- Estimation of waste material parameter weights.

Table C-1, Summary of Parameters, Characteristic Methods, and Rationale for Transuranic Mixed Waste, provides the parameters of interest for the constituent groupings and testing methodologies.

C-3 Generator Waste Characterization Methods

The characterization techniques used by the CCP include AK and may also include, as necessary, VE, and radiography. Characterization activities are performed in accordance with this QAPjP. Table C-1, Summary of Parameters, Characterization Methods, and Rationale for Transuranic Mixed Waste, provides a summary of the characterization requirements for TRU waste.

C-3a Acceptable Knowledge

AK is used in TRU waste characterization activities in five ways:

- To delineate TRU waste streams

- To assess whether TRU mixed wastes comply with the TSDF-WAC

- To assess whether TRU wastes exhibit a hazardous characteristic (New Mexico Hazardous Waste Management Regulations in 20.4.1.200 NMAC incorporating 40 CFR §261 Subpart C)

- To assess whether TRU wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR §261 Subpart D)

- To estimate waste material parameter weights

AK is discussed in detail in Section C4, which outlines the minimum set of requirements and DQOs met by the CCP in order to use AK.

C-3b Radiography and Visual Examination

Radiography and VE are nondestructive qualitative and quantitative techniques used to identify and verify waste container contents as specified in Section C1. The CCP performs radiography or VE of 100 percent of CH-TRU waste containers in waste streams except for those waste streams for which the DOE approves a Determination Request. No RH-TRU waste will be shipped to WIPP for storage or disposal without

documentation of radiography or VE of 100 percent of the containers as specified in Section C1. VE consists of either observing the filling of waste containers or opening full containers and physically examining their contents. Radiography and/or VE are used, when necessary, to examine a waste container to verify the physical form of the waste matches its waste stream description as determined by AK. These techniques detect observable liquid in excess of TSDF-WAC limits and containerized gases which are prohibited for WIPP disposal. The prohibition of liquid in excess of TSDF-WAC limits and containerized gases prevents the shipment of corrosive, ignitable, or reactive wastes. Radiography and/or VE are also able to verify the physical form of the waste matches its waste stream description (i.e., Homogeneous Solids, Soil/Gravel, or Debris Waste [including uncategorized metals]).

If the physical form does not match the waste stream description, the waste is designated as another waste stream and assigned the preliminary hazardous waste numbers associated with that new waste stream assignment. That is, if radiography and/or VE indicate that the waste does not match the waste stream description produced by AK characterization, a nonconformance report (NCR) is completed and the inconsistency resolved as specified in Section C4 (Q5), and the NCR will be dispositioned as specified in Section C3-7. The proper waste stream assignment is determined (including preparation of a new WSPF), the correct hazardous waste numbers are assigned, and the resolution is documented. The AK verification process is discussed in Section C4.

If CCP uses VE, the detection of any liquid in non-transparent internal containers, detected from shaking the internal container, is handled by assuming that the internal container is filled with liquid and adding this volume to the total liquid in the container being characterized using VE. The container being characterized using VE is then repackaged or rejected to exclude the internal container if it does not meet the requirements of the TSDF-WAC. When radiography is used or VE of transparent containers is performed, if any liquid in internal containers is detected, the volume of liquid is added to the total for the container being characterized using radiography or VE. Radiography, or the equivalent, is used as necessary on the existing or stored waste containers to verify the physical characteristics of the TRU waste corresponding with its waste stream identification and waste matrix code and to identify prohibited items. Radiographic examination protocols and QA/QC methods are provided in Section C1. Radiography and VE shall be subject to the Audit and Surveillance Program.

C-4 Data Verification and Quality Assurance

The CCP ensures that its applicable waste characterization process performance for generator/storage sites sending TRU waste to the WIPP for disposal meets WAP requirements through data validation, verification, usability and reporting controls. Verification occurs at three levels: 1) the CCP data generation level, 2) the CCP project

level, which consists of verification and validation by the CCP to ensure that applicable WAP requirements are met and; 3) the Permittee level. The validation and verification process and requirements at each level are described in Section C3-4. The validation verification process at the Permittee Level is also described in C-5.

C-4a Data Generation and Project Level Verification Requirements

C-4a(1) Data Quality Objectives

The waste characterization data obtained through implementation of this QAPjP are used by the Permittees to ensure that the regulatory requirements of the WAP are met with regard to compliance and to ensure that TRU wastes are properly managed during the disposal phase.

To satisfy the RCRA regulatory compliance requirements, the following are DQOs established by the WAP and flowed down to this QAPjP (T2):

Acceptable Knowledge

- To delineate TRU waste streams.
- To assess whether TRU mixed wastes comply with the applicable requirements of the TSDF-WAC.
- To assess whether TRU mixed wastes exhibit a hazardous characteristic (20.4.1.200 NMAC, incorporating 40 CFR §261, Subpart C).
- To assess whether TRU mixed wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR §261, Subpart D).
- To estimate waste material parameter weights.

Radiography and VE

- Verify the TRU mixed waste streams contain no prohibited items and to verify the physical form of the waste matches the waste stream description as to be determined by AK.

Reconciliation of these DQOs by the SPM as applicable, is addressed in Section C3-11. Reconciliation requires determining whether sufficient types, quality, and quantity of data have been collected to ensure that the DQOs cited above can be achieved.

C-4a(2) Quality Assurance Objectives

The CCP shall demonstrate compliance with each Quality Assurance Objective (QAO) associated with the characterization methods in Section C3. The SPM performs reconciliation of the data with the DQOs established in this QAPjP. The SPM concludes that all of the DQOs have been met for the characterization of the waste stream prior to submitting a WSPF to the DOE for approval (T2).

The following QAO elements are considered for each technique, as a minimum:

- Precision - a measure of the mutual agreement among multiple measurements
- Accuracy - the degree of agreement between a measurement result and the true or known value
- Completeness - a measure of the amount of valid data obtained from a method compared to the total amount of data obtained (expressed as a percentage)
- Comparability - the degree to which one data set can be compared to another
- Representativeness - the degree to which sample data represent characteristics of a population

A more detailed discussion of the QAOs can be found in Section C3, which describes the QAOs associated with each test method.

C-4a(3) Data Generation

BDRs, in a format approved by the DOE, are used by CCP for reporting waste characterization data. The CCP formats for reporting waste characterization data in BDRs are specified in several procedures. These procedures comply with the waste characterization data reporting requirements described in Section C3.

C-4a(4) Data Verification

BDRs document the testing, and on-line results from required characterization activities, and required QA/QC activities. Data validation, review, and verification are performed at the data generation level and the CCP project level before the required data are transmitted to the Permittees (T1). Section C3 discusses the data validation process in greater detail. NMED may request, through the Permittees, copies of any BDR and/or the raw data validated by the CCP to check the DOE's audit of the validation and verification process.

C-4a(5) Data Transmittal

As part of the waste characterization data submittal, the CCP transmits the data electronically to the Permittees via the WIPP Waste Information System (WWIS)/Waste Data System (WDS) (T30, T530). Data will be entered into the WWIS/WDS in the exact format required by the data base as specified in Section C-5a(1) for WWIS/WDS reporting requirements and the *Waste Data System User's Manual* (DOE 2009) for the WWIS/WDS data fields and format requirements. BDRs include the information required by Section C3-4 and are transmitted by hard copy or electronically (provided a hard copy is available on demand) from the data generation level to the CCP project level.

Once a waste stream is fully characterized the SPM submits a WSPF, accompanied by a CIS for that waste stream to the Permittees, which includes a record of reconciliation with DQOs as described in Sections C3-6b(1) and C3-6b(2).

The WSPF, the CIS, and information from the WWIS/WDS is used as the basis for acceptance of waste characterization information on TRU wastes to be disposed of at WIPP.

C-4a(6) Records Management

Records related to waste characterization activities performed by the generator/storage sites will be maintained in the testing facility files or generator/storage site project files or at the WIPP Records Archive facility. Raw data obtained by testing TRU mixed waste in support of the WAP will be identifiable, legible, and provide documentary evidence of quality. TRU mixed waste characterization records submitted to the Permittees shall be maintained in the WIPP facility operating record and be available for inspection by NMED. A detailed description of CCP site-specific records management activities is provided in Section C7.

Records inventory and disposition schedule (RIDS) or an equivalent system shall be prepared and approved by CCP. All records relevant to an enforcement action under this Permit, regardless of disposition, shall be maintained in CCP Records at the generator/storage site or at the WIPP Records Archive facility until NMED determines they are no longer needed for enforcement action, and then dispositioned as specified in the approved RIDS. All waste characterization data and related QA/QC records for TRU mixed waste to be shipped to the WIPP facility are designated as either Lifetime Records or Non-Permanent Records. Records that are designated as Lifetime Records shall be maintained for the life of the waste characterization program by CCP Records or generator/storage sites plus six years or transferred for permanent archival storage to the WIPP Records Archive facility.

Waste characterization records include characterization records (i.e., headspace gas sampling and homogeneous solids and soil/gravel sampling/analysis) generated through implementation of previous requirements in this WAP. Those waste characterization records designated as Non-Permanent Records shall be maintained for 10 years from the date of (record) generation by CCP Records or at the participating generator/storage site or at the WIPP Records Archive facility and then dispositioned according to their approved RIDS. If a generator/storage site ceases to operate, all records shall be transferred before closeout to the Permittees for management at the WIPP Records Archive facility. Table C-2, Required Program Records, is a listing of records designated as Lifetime Records and Non-Permanent Records.

Classified information will not be transferred to WIPP. Notations will be provided to the Permittees indicating the absence of classified information. The approved CCP RIDS will identify the appropriate disposition of classified information. Nothing in the WIPP Permit is intended to, nor should it be interpreted to, require disclosure of any DOE classified information to persons without appropriate clearance to view such information.

C-5 Permittee Level Waste Screening and Verification of TRU Mixed Waste

This section is not applicable to CCP. This section applies to the Permittees.

C-5a Phase I Waste Stream Screening and Verification

The first phase of the waste screening and verification process occurs before TRU waste is shipped to the WIPP facility. Before the Permittees begin the process of accepting TRU waste from the CCP, an initial audit is conducted as part of the Audit and Surveillance Program. The audit of CCP provides verification of characterization procedures; BDR preparation; and recordkeeping that ensures that all applicable provisions of the WAP requirements are met. Another portion of the Phase I verification is the WSPF approval process. At the WIPP facility, this process includes verification that all of the required elements of a WSPF and CIS are present and that the summarized waste characterization information meets acceptance criteria required for compliance with the WAP (Section C3-6b(1)).

The CCP has prepared this QAPjP, which includes applicable WAP requirements. This document is submitted to DOE for review and approval. The CCP implements the specific parameters of this QAPjP after Permittee approval. An initial audit is performed after QAPjP implementation and prior to the CCP being certified for shipment of waste to WIPP. Additional audits, focusing on the results of waste characterization, are performed at least annually. The DOE has the right to conduct unannounced audits and to examine any records that are related to the scope of the audit. See Section C-5a(3) for further information regarding audits.

When the required waste stream characterization data have been collected by the CCP and the initial audit is successfully completed, the SPM will verify that the waste stream characterization meets the applicable WAP requirements as part of the project level verification (T2). If the waste characterization does not meet the applicable requirements of the WAP, the waste stream cannot be managed, stored, or disposed of at the WIPP until those requirements are met. The SPM will then complete the WSPF and submit it to the Permittees, along with the accompanying CIS for that waste stream. All data necessary to check the accuracy of the WSPF is transmitted to the Permittees. This provides notification that the CCP considers that the waste stream (identified by the waste stream identification number) has been adequately characterized for disposal prior to shipment to WIPP. The Permittees then compare radiography and VE data obtained subsequent to submittal and approval of the WSPF (and prior to submittal) with characterization information presented on this form. If the Permittees determine (through the data comparison) that the characterization information is adequate, DOE will approve the WSPF. Prior to the first shipment of containers from the approved waste stream, the approved WSPF and accompanying CIS is provided to NMED. If the data comparison indicates that analyzed containers have hazardous wastes not present on the WSPF, or a different waste matrix code applies, the WSPF is in error and is resubmitted. Ongoing WSPF examination is discussed in detail in Section C-5a(2).

Audits of CCP will be conducted as part of the Audit and Surveillance Program. The RCRA portion of the CCP audit program will provide on-site verification of waste characterization procedures; BDR preparation; and record keeping to ensure that all applicable provisions of the WAP requirements are met. As part of the waste characterization data submittal, the CCP also transmits the data on a container basis via the WWIS/WDS prior to shipment of that container. This data submittal occurs at any time as the data are being collected, but is complete for each container prior to shipment of that container. The WWIS/WDS conducts internal edit/limit checks based on the approved WSPF. The Permittees compare ongoing characterization data obtained and submitted via the WWIS/WDS to the approved WSPF. If this comparison shows that containers have hazardous wastes not reported on the WSPF, or a different waste matrix code applies, the data are rejected and the waste containers are not accepted for shipment until a new or revised WSPF is submitted to Permittees' and approved by the DOE.

If discrepancies regarding hazardous waste number assignment or Waste Matrix Code designation arise as a result of the Phase I review, the CCP is contacted by the Permittees and provides the necessary additional information to resolve the discrepancy before that waste stream is approved for disposal at the WIPP facility. If the discrepancy is not resolved, the waste stream is not approved for shipment.

C-5a(1) WWIS/WDS Description

The CCP supplies the required data to the Permittees via the WWIS/WDS (T30, T530). The WWIS/WDS Data Dictionary includes all of the data fields, the field format and the limits associated with the data as established by the WIPP WAP. These data will be subjected to edit and limit checks that are performed automatically by the database, as defined in the *Waste Data System User's Manual* DOE/WIPP-09-3427(DOE, 2009). The Permittees will coordinate the data transmission with CCP. Actual data transmission will use appropriate technology to ensure the integrity of the data transmissions. The Permittees will require sites with large waste inventories and large databases to populate a data structure provided by the Permittees that contains the required data dictionary fields that are appropriate for the waste stream (or waste streams) at the site. The Permittees will access these data via the Internet to ensure an efficient transfer of this data. Small quantity sites will be given a similar data structure by the Permittees that is tailored to their types of waste. Sites with very small quantities of waste will be provided with the ability to assemble the data interactively to this data structure on the WWIS/WDS.

The Permittees will use the WWIS/WDS to verify that all of the supplied data meet the applicable edit and limit checks prior to the shipment of any TRU waste to WIPP. The WWIS/WDS automatically notifies the CCP if any of the supplied data fails to meet the requirements of the edit and limit checks via an appropriate error message. The CCP corrects the discrepancy with the waste or the waste data and re-transmits the corrected data prior to acceptance of the data by the WWIS/WDS. The Permittees review data reported for each container of each shipment prior to providing notification to the CCP that the shipment is acceptable.

Access to the WWIS/WDS is controlled by the Permittees' Data Administrator (DA) who controls the WWIS/WDS users based on approval from management personnel.

The CCP only has access to CCP data supplied to WWIS/WDS, and only until the data have been formally accepted by the Permittees. After the data have been accepted, the data are protected from indiscriminate change and only changed by an authorized DA.

C-5a(2) Examination of the Waste Stream Profile Form and Container Data Checks

The Permittees verify the completeness and accuracy of the WSPF (Section C3-6b(1)). The assignment of the waste stream description, waste matrix code group, and Summary Category Groups; the AK summary documentation; the methods used for characterization; the DOE certification, and appropriate designation of hazardous waste number(s) are examined by the Permittees. If the WSPF is inaccurate, efforts are made to resolve discrepancies by contacting the CCP in order for the waste stream to be eligible for shipment to the WIPP facility. If discrepancies in the

waste stream are detected, the CCP implements a non-conformance action to identify, document, and report discrepancies.

The WSPF shall pass all verification checks by the Permittees in order for the waste stream to be approved by DOE for shipment to the WIPP facility. The WSPF check against waste container data will occur during the initial WSPF process (Section C-5a). Waste data transferred via the WWIS/WDS after WSPF approval is compared with the approved WSPF. Any container from an approved hazardous waste stream with a description different from its WSPF is not shipped to the WIPP for disposal.
The CCP verifies that the three different types of data specified below are available for every container holding TRU waste before that waste is managed, stored, or disposed at WIPP: 1) an assignment of the waste stream's waste description (by waste matrix codes) and waste matrix code group; 2) a determination of ignitability, reactivity, and corrosivity; and 3) a determination of compatibility. The CIS indicates if the waste was checked for the characteristics of ignitability, corrosivity, and reactivity.

Any container with unresolved discrepancies associated with hazardous waste characterization will not be managed, stored, or disposed at the WIPP facility until the discrepancies are resolved. If discrepancies cannot be resolved, the DOE will revoke the approval status of the waste stream and CCP will suspend shipments of the waste stream. Waste stream approval will not be reinstated until the CCP demonstrates all corrective actions have been implemented and the CCP waste characterization program is reassessed by the DOE.

C-5a(3) Audit and Surveillance Program

This section is not applicable to the CCP. It applies to the Permittees.

C-5b Phase II Waste Shipment Screening and Verification

For each container shipped, the CCP provides the following information (T86):

Hazardous Waste Manifest Information:

- Generator/storage site name and EPA Identification Number
- CCP contact name and phone number
- Quantity of waste
- List of up to six state and/or federal hazardous waste numbers in each line item

- Listing of all shipping container identification numbers (IDs) (Shipping Package serial number)

- Signature of authorized generator representative

Specific Waste Container information:

- Waste Stream Identification Number
- List of hazardous Waste Numbers per Container
- Certification Data
- Shipping Data (assembly numbers, ship date, shipping category, etc.)

This information is also supplied electronically to the WWIS/WDS. The container-specific information will be supplied electronically as described in Section C-5a(1), and is supplied prior to shipment.

C-5b(1) Examination of the EPA Uniform Hazardous Waste Manifest and Associated Waste Tracking Information

Manifest discrepancies will be identified during manifest examination and container bar-code WWIS/WDS data comparison. A manifest discrepancy is a difference between the quantity or type of hazardous waste designated on the manifest and the quantity or type of hazardous waste the WIPP facility actually receives. The CCP technical contact (as listed on the manifest) is contacted to resolve the discrepancy. Errors on the manifest are corrected by the WIPP facility with a verbal (followed by a mandatory written) concurrence by the CCP technical contact. If the manifest discrepancies are not resolved in thirty (30) days of waste receipt, the shipment is returned to the facility where the CCP performed the characterization.

C-5b(2) Examination of the Land Disposal Restriction Notice

TRU waste designated by the Secretary of Energy for disposal at WIPP is exempt from the Land Disposal Restrictions (LDRs) by the WIPP Land Withdrawal Act Amendment (Public Law 104-201). This amendment states that WIPP “Waste is exempted from treatment standards promulgated pursuant to section 3004(m) of the Solid Waste Disposal Act (42 U.S.C. 6924[m]) and shall not be subjected to the Land Disposal prohibitions in section 3004(d), (e), (f), and (g) of the Solid Waste Disposal Act.”

Therefore, with the initial shipment of a TRU waste stream, the CCP provides the Permittees with a onetime written notice. The notice includes the information listed below:

Land Disposal Restriction Notice Information:

- EPA hazardous waste numbers and Manifest Numbers of first shipment of a mixed waste stream
- Statement: this waste is not prohibited from land disposal
- Date the waste is subject to prohibition

This information is the applicable information taken from column "268.7(a)(4)" of the "Generator Paperwork Requirements Table" in 20.4.1.800 NMAC (incorporating 40 CFR §268.7(a)(4)). Note that item "5" from the "Generator Paperwork Requirements Table" is not applicable since waste analysis data are provided electronically via the WWIS/WDS and item "7" is not applicable since waste designated by the Secretary of Energy for disposal at WIPP is exempted from the treatment standards.

The Permittees review the LDR notice for accuracy and completeness. The CCP prepares this notice in accordance with the applicable requirements of 20.4.1.800N MAC (incorporating 40 CFR §268.7(a)(4)).

C-5b(3) Verification

This section is not applicable to CCP. This section applies to the Permittees.

C-6 Permittees' Waste Shipment Screening QA/QC

This section is not applicable to CCP. This section applies to the Permittees.

C-7 Records Management and Reporting

All waste characterization data for each TRU waste container transmitted to WIPP shall be maintained by the Permittees for the active life of the WIPP facility plus two years (Q8). The active life of the WIPP facility is defined as the period from the initial receipt of TRU waste at the facility until NMED receives certification of final closure of the facility. After their active life, the records shall be retired to the WIPP Records Archive facility and maintained for 30 years. These records will then be offered to the National Archives. However, this disposition requirement does not preclude the inclusion of these records in the permanent marker system or other requirements for institutional control.

Waste characterization and waste confirmation data and documents related to waste characterization that are part of the WIPP facility operating record are managed in accordance with the following guidelines:

C-7a General Requirements

- Records shall be legible
- Corrections shall be made with a single line through the incorrect information, and the date and initial of the person making the correction shall be added
- Black ink is encouraged, unless a copy test has been conducted to ensure the other color ink will copy
- Use of highlighters on records is discouraged
- Records shall be reviewed for completeness
- Records shall be validated by the cognizant manager or designee

C-7b Records Storage

- Active records shall be stored when not in use
- Quality records shall be kept in a one-hour (certified) fire-rated container or a copy of a record shall be stored separately (sufficiently remote from the original) in order to prevent destruction of both copies as a result of a single event such as fire or natural disaster
- Unauthorized access to the records is controlled by locking the storage container or controlling personnel access to the storage area

C-8 Reporting

This section is not applicable to CCP. This section applies to the Permittees.

Table C-1. Summary of Parameters, Characterization Methods, and Rationale for Transuranic Mixed Waste

Waste Matrix Code Summary Categories	Waste Matrix Code Groups	Characterization Parameter	Method	Rationale
S3000-Homogeneous Solids	• Solidified inorganics • Salt waste • Solidified organics	Physical waste form	Acceptable knowledge, radiography and/or visual examination	• Determine waste matrix • Demonstrate compliance with waste acceptance criteria (e.g., no liquid in excess of TSDF-WAC limits, no incompatible wastes, no compressed gases)
S4000-Soil/Gravel	• Contaminated soil/debris			
S5000-Debris Waste	• Uncategorized metal (metal waste other than lead/cadmium) • Lead/cadmium waste • Inorganic nonmetal waste • Combustible waste • Graphite waste • Heterogeneous debris waste • Composite filter waste	Hazardous constituents • Listed • Characteristic	Acceptable knowledge	• Determine assignment of EPA hazardous waste numbers

Table C-2. Required Program Records Maintained in Generator/Storage Site Project Files

Lifetime Records
• Field sampling data forms • Field and laboratory chain-of-custody forms • Test facility and laboratory batch data reports • Waste Stream Characterization Packages • Sampling plans • Data reduction, validation, and reporting documentation • AK documentation • WSPFs and CIS
Non-Permanent Records
• Nonconformance documentation • Variance documentation • Assessment documentation • Gas canister tags • Methods performance documentation • PDP documentation • Sampling equipment certifications • Calculations and related software documentation • Training/qualification records • QAPjPs documentation (all revisions) • Calibration documentation • Analytical raw data • Procurement records • QA and technical procedures (all revisions) • Audio/video recordings (radiography, VE)

Table C-3. WIPP Waste Information System Data Fields[a]

Characterization Module Data Fields [b]	
Container ID [c] Generator EPA ID Generator Address Generator Name Generator Contact Hazardous Code Layers of Packaging Liner Exists Liner Hole Size Filter Model Number of Filters Installed Item Description Code Haz. Manifest Number NDE Complete [e]	Transporter EPA ID Transporter Name Visual Exam Container [e] Waste Material Parameter [d] Waste Material Weight [d] Waste Matrix Code Waste Matrix Code Group Waste Stream Profile Number
Certification Module Data Fields	
Container ID [c] Container type Container Weight Contact Dose Rate Container Certification date Container Closure Date Handling Code	
Transportation Data Module	
Contact Handled Package Number Assembly Number[f] Container IDs [c,d] ICV Closure Date Ship Date Receive Date	
Disposal Module Data	
Container ID [c] Disposal Date Disposal Location	

[a] This is not a complete list of the WWIS/WDS data fields.
[b] Some of the fields required for characterization are also required for certification and/or transportation.
[c] Container ID is the main relational field in the WWIS/WDS Database.
[d] This is a multiple occurring field for each waste material parameter, nuclide, etc.
[e] These are logical fields requiring only a yes/no.
[f] Required for 7-Packs of 55-gallon drums, 4-packs of 85-gallon drums, or 3-packs of 100-gallon drums to tie all of the drums in that assembly together. This facilitates the identification of waste containers in a shipment without need to breakup the assembly.

Table C-4. Waste Tanks Subject to Exclusion

Hanford Site - 177 Tanks	
A-101 through A-106	C-201 through C-204
AN-101 through AN-107	S-101 through S-112
AP-101 through AP-108	SX-101 through SX-115
AW-101 through AW-106	SY-101 through SY-103
AX-101 through AX-104	T-101 through T-112
AY-101 through AY-102	T-201 through T-204
B-101 through B-112	TX-101 through TX-118
B-201 through B-204	TY-101 through TY-106
BX-101 through BX-112	U-101 through U-112
BY-101 through BY-112	U-201 through U-204
C-101 through C-112	
SRS - 51 Tanks	
Tank 1 through 51	
Idaho National Laboratory - 15 Tanks	
WM-103 through WM-106	WM-180 through 190

Table C-5. Listing of Permitted Hazardous Waste Numbers

EPA Hazardous Waste Numbers			
F001	D019	D043	U079
F002	D021	P015	U103
F003	D022	P030	U105
F004	D026	P098	U108
F005	D027	P099	U122
F006	D028	P106	U133*
F007	D029	P120	U134*
F009	D030	U002*	U151
D004	D032	U003*	U154*
D005	D033	U019*	U159*
D006	D034	U037	U196
D007	D035	U043	U209
D008	D036	U044	U210
D009	D037	U052	U220
D010	D038	U070	U226
D011	D039	U072	U228
D018	D040	U078	U239*

* Acceptance of U-numbered wastes listed for reactivity, ignitability, or corrosivity characteristics is contingent upon a demonstration that the wastes no longer exhibit the characteristic of reactivity, ignitability, or corrosivity.

Figure C-1. Waste Stream Profile Form (Example Only)

(1) Waste Stream Profile Number:								
(2) Generator site name:							(3) Generator site EPA ID:	
(4) Technical contact:							(5) Technical contact phone number:	
(6) Date of audit report approval by New Mexico Environment Department (NMED):								
(7) Title, version number, and date of documents used for WIPP-WAP Certification:								
(8) Did your facility generate this waste?	YES		NO					
(9) If no, provide the name and EPA ID of the original generator:								
Waste Stream Information[1]								
(10) WIPP ID:							(11) Summary Category Group:	
(12) Waste Matrix Code Group:							(13) Waste Stream Name:	
(14) Description from the ATWIR:								
(15) Defense TRU Waste:	YES		NO					
(16) Check One:	CH		RH					
(17) Number of SWBs (17a) Number of SLB2		(18) Number of Drums					(19) Number of Canisters	
(20) Batch Data Report numbers supporting this waste stream characterization:								
(21) List applicable EPA Hazardous Waste Numbers:[2]								
(22) Applicable TRUCON Content Numbers:								
(23)**Acceptable Knowledge Information[1]**								
(For the following, enter the supporting documentation used [i.e., references and dates])								
Required Program Information								
(23A) Map of site:								
(23B) Facility mission description:								
(23C) Description of operations that generate waste:								
(23D) Waste identification/categorization schemes:								
(23E) Types and quantities of waste generated:								
(23F) Correlation of waste streams generated from the same building and process, as applicable:								
(24) Waste certification procedures:								
(25)Required Waste Stream Information								
(25A) Area(s) and building(s) from which the waste stream was generated:								
(25B) Waste stream volume and time period of generation:								
(25C) Waste generating process description for each building:								
(25D) Waste Process flow diagrams:								
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form:								
(25F) Waste Material Parameter Weight Estimates per unit of waste								
(26) Which Defense Activity generated the waste:								
	Weapons activities including defense inertial confinement fusion							Naval Reactors development
	Verification and control technology							Defense research and development
	Defense nuclear waste and material by products management							Defense nuclear material production
	Defense nuclear waste and materials security and safeguards and security investigations							

Figure C-1. Waste Stream Profile Form (Example Only) (continued)

(27)Supplemental Documentation:	
(27A) Process design documents:	
(27B) Standard operating procedures:	
(27C) Safety Analysis Reports:	
(27D) Waste packaging logs:	
(27E) Test plans/research project reports:	
(27F) Site databases:	
(27G) Information from site personnel:	
(27H) Standard industry documents:	
(27I) Previous analytical data:	
(27J) Material safety data sheets:	
(27K) Sampling and analysis data from comparable/surrogate Waste:	
(27L) Laboratory notebooks:	
Confirmation Information2	
For the following, when applicable, enter procedure title(s), number(s) and date(s)	
(28)	Radiography:
	Visual Examination:
(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.	

Reviewed by AK Expert: **YES** ☐ **Date:** _____

Reviewed by STR (if necessary): **YES** ☐ **N/A** ☐ **Date:** _____

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date

Controlled
Copy

Figure C-2. Waste Characterization Process (Reprinted from the WAP, Figure C-2)

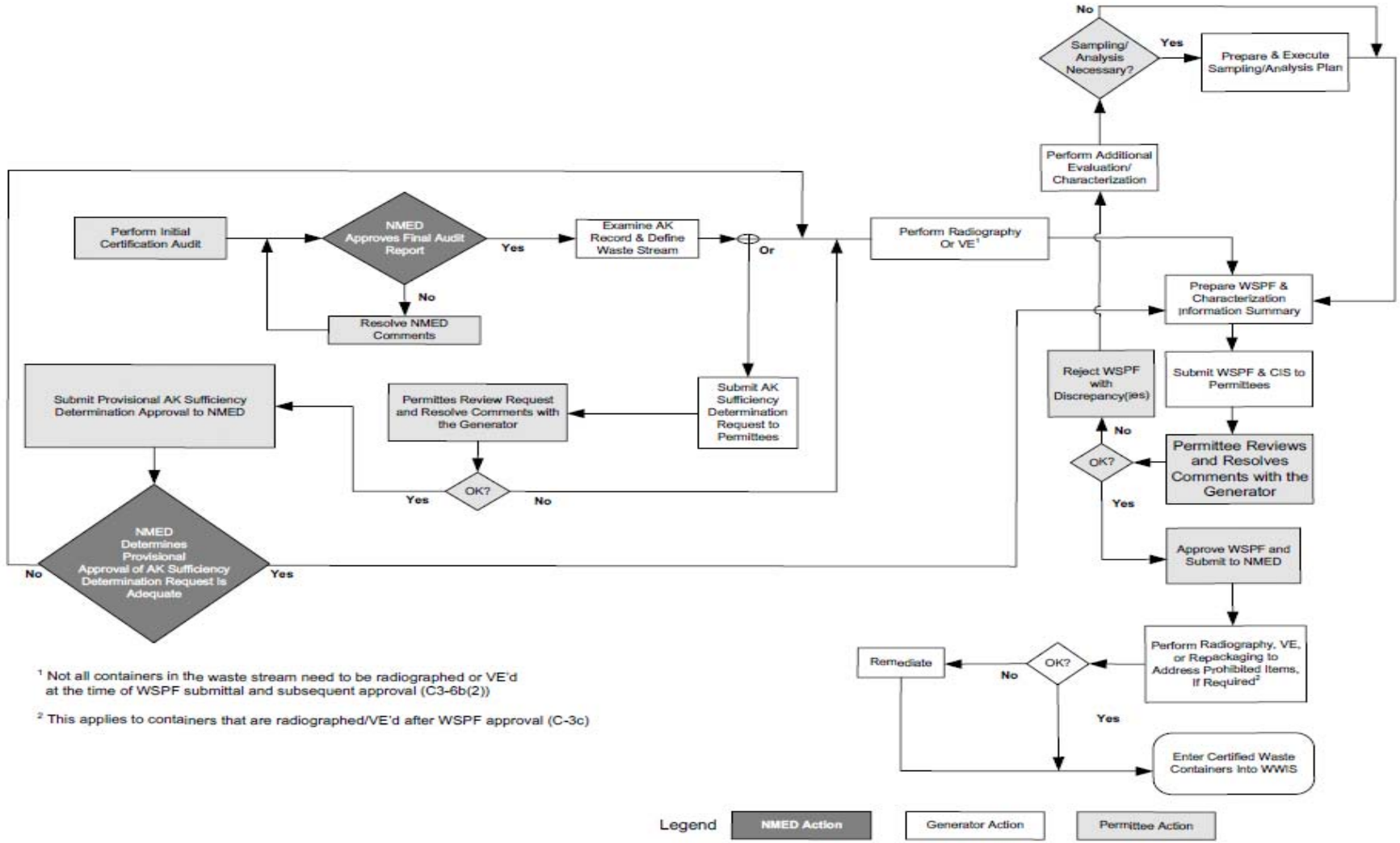


Figure C-3. TRU Mixed Waste Screening and Verification Flow Diagram

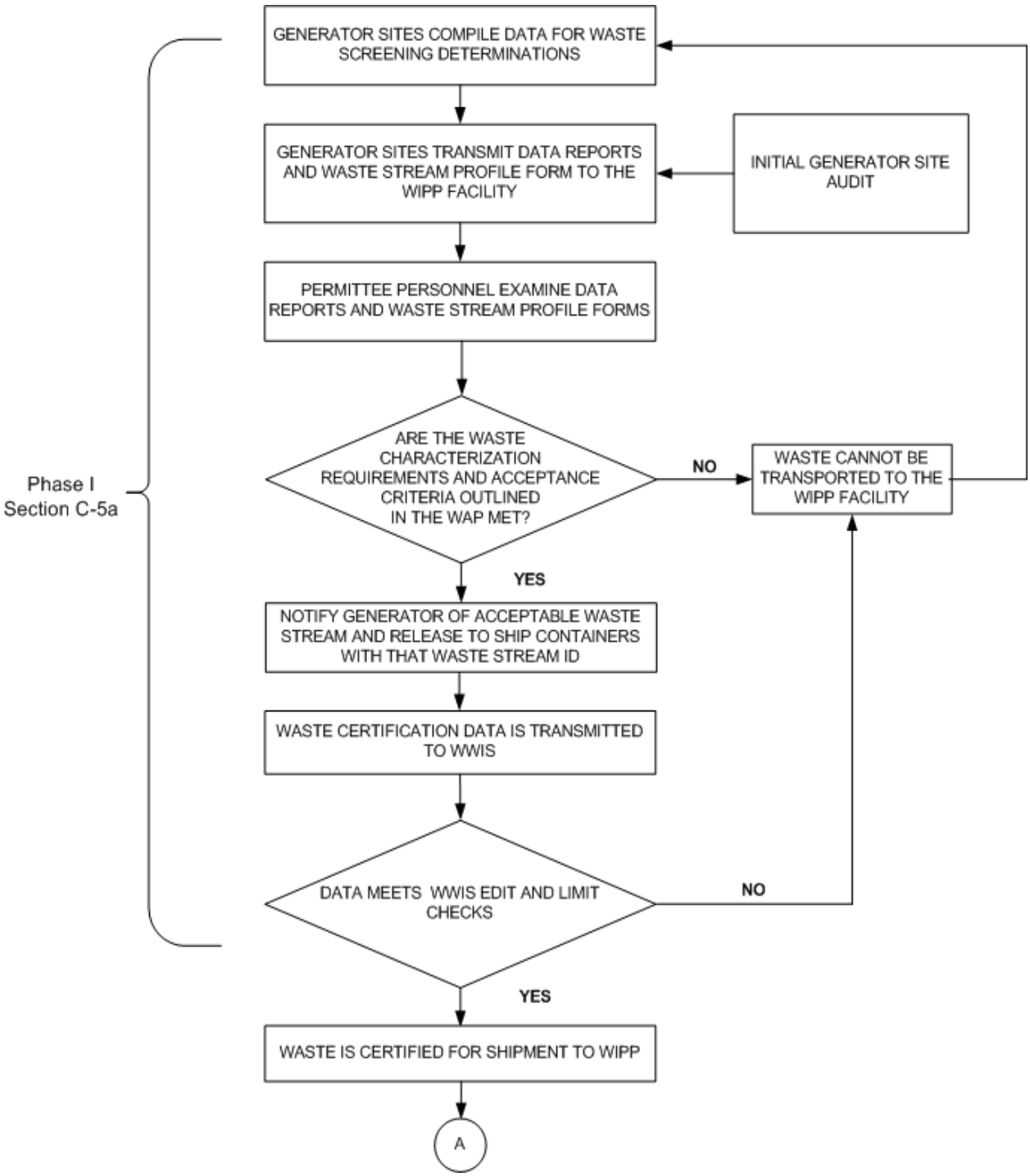
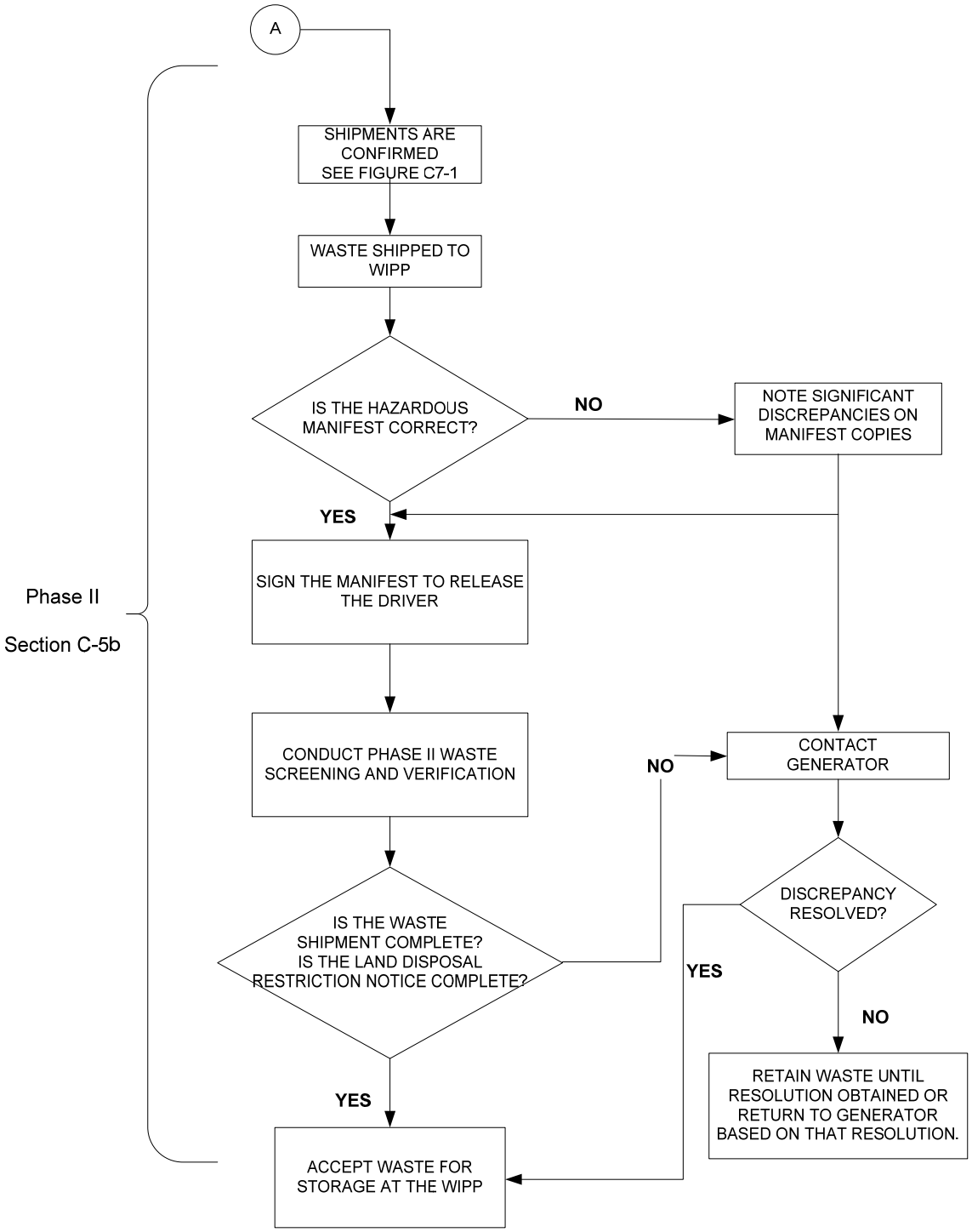


Figure C-3. TRU Mixed Waste Screening and Verification Flow Diagram (continued)



C1 WASTE CHARACTERIZATION TESTING METHODS

CCP characterizes TRU waste for shipment to WIPP by using the following methods, if applicable, for characterization of TRU waste. These methods include requirements for radiography or VE. This section describes these methods, QC requirements.

C1-1 Radiography

Radiography aids in the examination and identification of containerized waste. There is no equivalent EPA method. Personnel perform radiography in accordance with the procedures to meet the WAP requirements described in the following sections (T53, T508). Additionally, these procedures include instructions specific to the radiography method used. For example, details about moving the drum in a specific way in order to detect liquids are included in the radiography procedures. QAOs for radiography are contained in Section C3-2a.

All activities required to achieve the radiography objectives are described in the QAPjP and radiography-related Standard Operating Procedures (SOPs). A radiography system (e.g., real time radiography, digital radiography/computed tomography) normally consists of the following components: x-ray-producing device; imaging system; an enclosure for radiation protection; a waste container handling system; an audio/visual recording system; and an operator control and data acquisition station. The radiography equipment has controls (or an equivalent process) that allow the operator to control image quality for materials of varying density. On some radiography systems, it should be possible to vary the voltage, typically between 150-400 kilovolts (kV), to provide an optimum degree of penetration through the waste. For example, high-density material is examined with the x-ray device set on the maximum voltage. This ensures maximum penetration through the waste container. Low-density material is examined at lower voltage settings to improve contrast and image definition. The imaging system utilizes a fluorescent screen, a low-light television camera, or x-ray detectors to generate the image.

To perform radiography, the waste container is scanned while the operator views the television screen. A video and audio recording is made of the waste container scan and is maintained as a Non-Permanent Record. A radiography data form is also used to document the waste matrix code, to ensure that the waste container contains no ignitable, corrosive, or reactive waste by documenting the absence of liquids in excess of TSDF-WAC limits or compressed gases, and verify that the physical form of the waste is consistent with the waste stream description documented in the AK Summary Report. Containers whose contents prevent full examination of the remaining contents are subject to VE unless the CCP certifies that VE would provide no additional relevant information for that container based on the acceptable knowledge information for the waste stream. Such certification shall be documented in CCP records.

For containers which contain classified shapes and undergo radiography, the radiography video and audio recording will be considered classified. The radiography data forms will not contain classified information.

The radiography system involves qualitative and semi-quantitative evaluations of visual displays. Operator training and experience are the most important considerations for ensuring QC in regard to the operation of the radiography system and for interpretation and disposition of radiography results. Only trained personnel are allowed to operate radiography equipment.

Standardized training requirements for radiographic operators are based on existing industry standard training requirements.

Formal and on-the-job training (OJT) elements are listed below. In addition, radiography personnel are instructed in the specific waste generating practices, typical packaging configurations, and associated waste material parameters expected to be found in the waste matrix code. OJT and apprenticeship of radiography personnel are conducted by experienced, qualified radiography operators prior to qualification of training candidates. Training describes the site equipment, waste configurations, and the level of waste characterization efforts for the CCP. In addition, radiography operators are trained on the types of waste, physical forms, packaging configurations, and QC requirements for site waste characterized by the CCP.

All of the radiography QC requirements specified in the QAPjP shall be incorporated into the CCP training programs and radiography operations, so that data quality and comparability will not be affected (T28, T510). The radiography training program is subject to the audit and surveillance program. The training program includes items required by CCP-QP-002, *CCP Training and Qualification Plan,* and the required elements listed below.

One or more training containers with items (including prohibited items) common to the waste streams to be characterized and internal containers of various sizes is scanned semi-annually by each operator. The audio and video media are then reviewed by a supervisor to ensure that operators' interpretations remain consistent and accurate. Imaging system characteristics are verified on a routine basis.

Independent replicate scans and replicate observations of the video output of the radiography process are performed under uniform conditions and procedures. Independent replicate scans are performed on one waste container per day or once per testing batch, whichever is less frequent by a qualified radiography operator that was not involved in the original scan of the waste container. Independent observations of one scan (not the replicate scan) are made once per day or once per testing batch, whichever is less frequent, by a qualified radiography operator that was not involved in the original scan of the waste container. A testing batch is a suite of waste containers

undergoing radiography using the same testing equipment. A testing batch can be up to 20 waste containers without regard to waste matrix.

Oversight functions include periodic audio/video media reviews of accepted waste containers and are performed by qualified radiography operators that were not involved in the original scans of the waste containers. The results of this independent verification are available to the radiography operators who performed the original scans. The SPM is responsible for monitoring the quality of the radiography data and calling for corrective action, when necessary.

C1-2 Visual Examination

The CCP may use VE to verify container's contents. VE is performed by physically examining the contents of waste containers to verify the Waste Matrix Code and to verify that the container is properly included in the appropriate waste stream (T6, T113, T163, T500).

VE is conducted on a waste container to identify and describe all waste items, packaging materials, and waste material parameters in the waste containers. VE activities are documented on video/audio media or by using a second operator to provide additional verification by reviewing the contents of the waste container to ensure correct reporting. When VE is performed using a second operator, each operator performing the VE will observe for themselves the waste being placed in the waste container or the contents within the examined waste container when waste is not removed. The results of all VE are documented on VE data forms, which are used to document the Waste Matrix Code, ensure that the waste container contains no ignitable, corrosive, or reactive waste by documenting the absence of liquids in excess of TSDF-WAC limits or compressed gases, and verify that the physical form of the waste is consistent with the waste stream description documented in the AK Summary.

VE recorded on video/audio media shall meet the following minimum requirements:

- The video/audio media shall record the waste packaging event for the container such that all waste items placed into the container are recorded in sufficient detail and shall contain an inventory of waste items in sufficient detail that another trained VE operator can identify the associated waste material parameters.

- The video/audio media shall capture the waste container identification number.

- The personnel loading the waste container shall be identified on the video/audio media or on packaging records traceable to the loading of the waste container.

- The date of loading of the waste container will be recorded on the video/audio media or on packaging records traceable to the loading of the waste container.

VE performed using two generator site personnel shall meet the following minimum requirements:

- At least two generator site personnel who witnessed the packaging of the waste shall approve the data forms or packaging records attesting to the contents of the waste container.

- The data forms or packaging records shall contain an inventory of waste items in sufficient detail that another trained VE operator can identify the associated waste material parameters.

- The waste container identification number shall be recorded on the data forms or packaging records.

VE video/audio media of containers which contain classified shapes, shall be considered classified information. VE data forms or packaging records will not contain classified information.

Waste container packaging records may be used to meet the VE DQOs, Sections C-4a(1). These records must meet the minimum requirements listed above for either VE recorded on video/audio media or VE performed by two generator site personnel, and shall be reviewed by operators trained and qualified to the requirements listed below. The operators will prepare data forms based on the VE records. VE BDRs will be prepared, reviewed, and approved as described in Section C-4 and Section C3.

There will be standardized training for VE. VE operators are instructed in the specific waste-generating processes, typical packaging configurations, and waste material parameters expected to be found in each waste matrix code at the site. The training covers the various waste configurations generated/stored at the site. The particular physical forms and packaging configurations will vary at each site, so operators will be trained to examine the types of waste that are generated, stored and/or characterized at that site. Training will include the following regardless of Summary Category Group:

- Identifying and describing the contents of a waste container by examining all items in waste containers of previously packaged waste

- Identifying when VE cannot be used to meet the DQOs

VE personnel are requalified once every two years.

The SPM designates VE experts. Designated VE experts are familiar with the waste-generating processes that have taken place at the site and waste types for wastes being characterized at a particular site. VE experts are responsible for the overall direction and implementation of VE activities for the CCP at that site. VE experts meet the qualification and training requirements specified in CCP-QP-002 and make decisions based on training, previous experience, and knowledge of the waste stream.

C2 RESERVED

C3 QUALITY ASSURANCE OBJECTIVES AND DATA VALIDATION TECHNIQUES FOR WASTE CHARACTERIZATION METHODS

C3-1 Validation Methods

The CCP performs validation of qualitative and quantitative data so that characterization data are of known and acceptable quality.

The qualitative data or descriptive information generated by radiography and VE are not amenable to statistical data quality analysis. However, radiography and VE are complementary techniques yielding similar data for determining the waste matrix code. The waste matrix code is determined to ensure that the container is properly included in the appropriate waste stream.

Data validation is used to assess the quality of waste characterization data collected based on project precision, accuracy, completeness, comparability, and representativeness objectives. These objectives are described below:

Precision

Precision is a measure of the mutual agreement among multiple measurements.

Accuracy

Accuracy is the degree of agreement between a measured result and the true or known value.

Completeness

Completeness is a measure of the amount of valid data obtained from a method compared to the total amount of data collected.

Comparability

Comparability is the degree to which one data set can be compared to another.

Representativeness

Representativeness is the degree to which sample data represent a characteristic of a population.

C3-2 Nondestructive Examination Methods

Quality Assurance Objectives

The QAOs for nondestructive examination (NDE) are detailed in this section. NDE can be either radiography or VE. If the QAOs in this section are not met, then corrective actions are taken. NDE is a primary qualitative determination. The objective of NDE for the program is to verify that the physical form of waste matches the waste stream description as determined by AK and the absence of prohibited items. CCP describes all of the activities required to achieve these objectives in this QAPjP and the operating procedures listed in Section C1.

C3-2a Radiography (T53, T508)

Data to meet the QAOs for radiography are obtained from a video and audio recorded scan provided by trained radiography operators at the Host site. Results are also recorded on a radiography data form. The precision, accuracy, completeness, and comparability objectives for radiography data follow.

Precision

Precision is maintained by reconciling any discrepancies between two radiography operators with regard to identification of the waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases through independent replicate scans and independent observations. The precision of radiography is also verified prior to use by tuning precisely enough to demonstrate compliance with QAOs listed in Section C-4a through viewing an image test pattern.

Accuracy

Accuracy is obtained by using a target to tune the image for maximum sharpness and by requiring operators to successfully identify 100 percent of the items required to meet the DQOs for radiography specified in Section C. Section C-4a(1) in a training container during their initial qualification and subsequent requalification.

Completeness

To ensure completeness, video and audio media recording of the radiography of the radiography examination and a validated radiography data form are obtained for 100 percent of retrievably stored waste containers that are examined by radiography. All video and audio media recordings and radiography data forms are subject to validation as indicated in Section C3-7.

Comparability

The comparability of radiography data from different operators is enhanced by using standardized radiography procedures and operator qualifications.

C3-2b Visual Examination (T6, T113, T163, T500)

Results must be recorded on a VE data form. The precision, accuracy, completeness, and comparability objectives for VE data are presented below.

Precision

Precision is maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases.

Accuracy

Accuracy is maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification. VE operators shall be requalified every two years.

Completeness

A validated VE data form will be obtained for 100 percent of the waste containers subject to VE.

Comparability

The comparability of VE data from different operators shall be enhanced by using standardized VE procedures and operator qualifications.

C3-3 Acceptable Knowledge (T5)

AK documentation provides qualitative information that cannot be assessed according to specific data quality goals that may be used for quantitative techniques. To ensure that the AK process is consistently applied, the CCP complies with the following data quality requirements for AK documentation.

- Precision - The qualitative determinations, such as compiling and assessing AK documentation, do not lend themselves to statistical evaluations of precision. However, the AK information is assessed by independent review during internal and external audits.

- Accuracy - The percentage of waste containers which require reassignment to a new waste matrix code and/or designation of a different hazardous waste number, based on testing data and discrepancies identified during waste confirmation is reported as a measure of AK accuracy. The CCP calculates the AK accuracy in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation*.

- Completeness - The AK record contains 100 percent of the required information (Section C4-3). The usability of the AK information is assessed for completeness during audits.

- Comparability - The CCP ensures comparability by meeting the training requirements and complying with the minimum standards outlined for procedures that are used to implement the AK process. The CCP assign hazardous waste numbers in accordance with Section C4-3b and will provide the information regarding the waste being characterized to other sites that store or generate a similar waste stream.

- Representativeness - Representativeness is a qualitative parameter that is satisfied by ensuring that the process of obtaining, evaluating, and documenting AK information is performed in accordance with the minimum standards established in Section C4. The CCP assesses and documents the limitations of the AK information used to assign hazardous waste numbers (e.g., purpose and scope of information, date of publication, type and extent to which waste parameters are addressed).

The CCP complies with the nonconformance notification and reporting requirements of Section C3-7of this QAPjP if the results of testing specified in this QAPjP are inconsistent with AK documentation.

In addition, performance with regard to the use of AK information is tracked by assessing the frequency of inconsistencies among information, and documenting AK inconsistencies identified through radiography and VE. The AK process and waste stream documentation are evaluated through internal assessments by QA and assessments by auditors external to the organization (i.e. the Permittees).

C3-4 Data Review, Validation, and Verification Requirements

Data review, validation, and verification are performed at the CCP data generation level in accordance with CCP data generation level characterization procedures. Data validation and verification are performed at the project level by the CCP project staff.

Data review determines whether raw data was properly collected and ensures that it was properly reduced. Data validation verifies that the reported data satisfy the

WAP requirements and are accompanied by signature release. Data verification authenticates that the data are presented accurately, represent the testing activities performed, and have been subject to the appropriate level of review. By meeting the requirements in this section, the CCP ensures that records furnish documentary evidence of quality.

The following types of BDRs (as applicable to the characterization process in use) are required for data validation and verification, and quality assurance activities:

- The Testing BDR or equivalent includes all data pertaining to radiography or VE for up to 20 waste containers without regard to waste matrix. Table C3-3, Testing Batch Data Report Contents lists the information required in Testing BDRs (identified with an "X") and other information necessary for data validation but optional for inclusion in the Testing BDR (identified with an "O")

C3-4a Data Generation Level (T6, T32, T53, T106, T113, T143, T188, T500, T508)

The minimum requirements for raw data collection and management include the following:

- All data are signed and dated in reproducible ink by the individual generating the data, or by use of unalterable electronic signature.
- All data are recorded clearly, legibly, and accurately in field records.
- All changes to original data are lined out, initialed, and dated by the individual making the change. A justification for changing the original data may also be included. Original data are not obliterated or otherwise disfigured so as to be unreadable. Data changes are made only by the individual who originally collected the data, or by an individual authorized to change the data.
- All data are transferred and reduced from field records completely and accurately.
- All field records are maintained as specified in Table C-2.
- All data are organized in standard formats (i.e., BDRs) specified in procedures.

- All electronic and video data are stored appropriately to ensure that waste containerand associated QC data are readily retrievable. In the case of classified information, additional security provisions may apply that could restrict retrievability. The additional security provisions will be documented in CCP procedures when required.

Data review, validation, and verification at this level involves scrutiny and signature release from qualified independent technical reviewers not involved in the generation or recording of the data under review as specified below. Individuals conducting the data review, validation, and verification use checklists that address the items in this section. Checklists are forwarded with BDRs to the CCP Project Office.

C3-4a(1) Independent Technical Review (T6, T32, T53, T106, T113, T143, T188, T500, T508)

The independent technical reviewer ensures by review of raw data that data generation and reduction are technically correct, calculations are verified correct, deviations are documented, and QA/QC results are complete, documented correctly, and compared against the criteria specified in this QAPjP. This review is to validate and verify all of the work done by the originator.

One hundred percent of the BDRs must receive an independent technical review. This review is performed by an individual by a trained and qualified individual who was not involved in the generation or recording of the data under review. The independent technical review is performed as soon as practicably possible in order to determine and correct negative quality trends in the testing, process. However at a minimum, the independent technical review must be performed before any waste associated with the data reviewed is managed, stored, or disposed at WIPP. The reviewer(s) must release the data as evidenced by signature, and as a consequence ensure the following:

- Data generation and reduction were conducted in a technically correct manner in accordance with the methods used (procedure revision) and data were reported in the proper units and correct number of significant figures.

- Calculations were verified by a valid calculation program, a spot check of verified calculation programs, and/or 100 percent check of all hand calculations. Values that are not verifiable to within rounding or significant difference discrepancies are rectified prior to completion of independent technical review.

- The data were reviewed for transcription errors.

- The testing, data QA documentation for BDRs is complete and includes, as applicable, raw data, calculation records, calibration records, (or reference to an available calibration package), and Corrective action is taken to ensure that all BDRs are complete and include all necessary raw data prior to completion of the independent technical review.

- Radiography tapes were reviewed (independent observation) on a waste container basis at a minimum of once per testing batch or once per day of operation, whichever is less frequent (Section C1-3). The radiography tape was reviewed against the data reported on the radiography form to ensure that the data are correct and complete.

- QAOs have been met according to the methods outlined in Sections C3-2 and C3-3.

C3-4b Project Level

Data validation and verification at this level involves scrutiny and signature release from the SPM (T1, T500, T508). Any nonconformance identified during this process is documented on an NCR (Section C3-7).

The SPM ensures that a repeat of the data generation level review, verification and validation is performed on the data for a minimum of one randomly chosen waste container quarterly (every three months). This exercise documents that the data generation level review, verification, and validation are being performed in accordance with implementing procedures.

C3-4b(1) Site Project Manager Review

The SPM review is the final validation that all of the data contained in BDRs from the data generation level are complete and are properly reviewed, as evidenced by signature release and completed checklists.

One hundred percent of the BDRs have SPM signature release. At a minimum, the SPM signature release is performed before any waste associated with data reviewed is shipped to the WIPP. This signature release ensures the following (T1, T500, T508):

- Data generation level independent technical review, validation, and verification are performed as evidenced by completed review checklists and by the appropriate signature releases.

- Independent technical reviewers were not involved in the generation or recording of the data under review.

- Batch data review checklists are complete.
- BDRs are complete and data are properly reported (i.e., data are reported in the correct units, with the correct significant figures.
- Data are within established data assessment criteria and meet all applicable QAOs as described in Sections C3-2 through C3-3.
- Testing batch QC checks (e.g., replicate scans, measurement system checks) were properly performed. Radiography data are complete and acceptable based on evidence of videotape review of one waste container per day or once per testing batch, whichever is less frequent, as specified in C1-1.

C3-4b(2) Preparing SPM Summary and Data Validation Summary

To document the project level validation and verification described above, the SPM (or designee) prepares an SPM Summary, and Data Validation Summary (T1). These reports may be combined to eliminate redundancy. The SPM Summary includes a validation checklist for each BDR. Checklists for the SPM Summary are of sufficient detail to validate all aspects of a BDR that affect data quality.

The SPM Data Validation Summary provides verification that, on a per waste container as evidenced by BDR reviews, all data have been validated in accordance with this QAPjP. The SPM Data Validation Summary identifies each BDR data report reviewed (including all waste container numbers), describes how the validation was performed and whether or not problems were detected (e.g., nonconformance reports), and includes a statement indicating that data are acceptable. Summaries must include release signatures.

C3-4b(3) Preparing Waste Stream Characterization Packages

If requested by the Permittee, the SPM provides a Waste Stream Characterization Package. The SPM must ensure that the Waste Stream Characterization Package (described in Section C3-6b(3)) supports the waste characterization determinations.

C3-4c Permittee Level

Not applicable to CCP. This is a Permittee function.

C3-5 Reconciliation with Data Quality Objectives

Reconciling the results of waste testing with DQOs ensures that data are of adequate quality to support regulatory compliance programs. When waste is characterized by

CCP, reconciliation with the DQOs is the responsibility of the SPM and occurs prior to waste shipment (T2).

C3-5a Reconciliation at the Project Level

The SPM ensures that all data generated and used in decision making meet the DQOs providing in Section C-4a(1). DQO reconciliation is the responsibility of the SPM, who assesses whether data of sufficient type, quality, and quantity to meet the DQOs (Section C-4a(1)) have been collected and determines whether the variability of the data set is small enough to provide the required confidence in the results.

The SPM determines for each waste stream characterized, whether sufficient data have been collected to determine the following required waste parameters (T2):

- Waste matrix code.
- Waste material parameter weights.
- That each container of waste is transuranic radioactive waste.
- Whether the waste stream exhibits a toxic characteristic or is listed under 40 CFR §261, Subpart C.
- Whether the waste stream contains listed waste found in 20.1.4.200 NMAC incorporating 40 CFR §261, Subpart D.
- Whether the waste stream can be classified as hazardous or nonhazardous
- Whether the overall completeness, comparability, and representativeness QAOs were met for the testing procedures specified in Sections C3-2 and C3-3 prior to submittal of a WSPF for a waste stream or waste stream lot.

If the SPM determines that insufficient data have been collected to make the determinations listed above, additional data collection efforts are undertaken. The reconciliation of a waste stream is performed, as described in Section C4, prior to submittal of the WSPF and CIS to the Permittees for that waste stream. The CCP does not ship TRU waste stream to the WIPP unless the SPM determines that the WAP-required waste parameters listed above are met for that waste stream.

C3-5b Reconciliation at the Permittee Level

Not applicable to the CCP. This is a Permittee function.

C3-6 Data Reporting Requirements

Data reporting requirements define the type of information and the method of transmittal for data transfer from the data generation level to the CCP Project Office and from the CCP Project Office to the Permittee.

C3-6a Data Generation Level

Data are transmitted by hard copy or electronically (with hard copies available on demand) from the data generation level to the CCP Project Office. Transmitted data include all BDRs, and data review checklists. The BDR forms and checklists must contain all the information required by the testing techniques described in Sections C1 through C6, as well as the signature releases to document the review, validation, and verification as described in Section C3-4. BDRs and checklists are on approved forms as provided in procedures.

BDRs are forwarded to the SPM. All BDRs are assigned serial numbers, and each page is numbered. The serial number is the same as the batch number. QA documentation, including raw data, is maintained in either testing facility files, or the CCP files in accordance with CCP-QP-008.

C3-6b Project Level

The CCP Project Office prepares a WSPF for each waste stream certified for shipment to the WIPP based on information obtained from AK and BDRs, if applicable (T2). The CCP Project Office ensures that the CIS and Waste Stream Characterization Package (when requested by the Permittee) are prepared as appropriate. The SPM verifies these reports are consistent with information found in BDRs. Summarized testing are included in the CIS. The contents of the WSPF, the CIS, and the Waste Stream Characterization Package are discussed in the following sections.

A Waste Stream Characterization Package is submitted only when requested by the Permittee. These reports are reviewed, validated, and verified by the SPM (T2).

After approval of a WSPF and the associated CIS by the DOE, CCP will maintain a cross reference of container identification number to each BDR.

A Waste Stream Characterization Package will be transmitted by hard copy or electronically from the SPM to the Permittees when requested.

C3-6b(1) Waste Stream Profile Form (T2)

The WSPF shall include the following information:

- Site name
- Site EPA ID
- Date of audit report approval by NMED (if obtained)
- Original generator of waste stream
- Whether waste is CH or RH
- The Waste Stream WIPP Identification Number
- Summary category group
- Waste matrix code group
- Waste Material Parameter Weight Estimates per unit of waste
- Waste stream name
- A description of the waste stream
- Applicable U.S. EPA Hazardous Waste Numbers
- Applicable TRUPACT Content (TRUCON) codes
- A listing of AK documentation used to identify the waste stream
- The waste characterization procedures used and the reference and date of the procedure
- Certification signature of SPM, name, title, and date signed

C3-6b(2) Characterization Information Summary (T2)

The CIS shall include the following elements, if applicable:

- Data reconciliation with DQOs.

- Radiography and VE summary to document that prohibited items are not present, and to verify that the physical form of the waste matches the waste stream description as determined by AK.

- A justification for the selection of radiography and/or VE as an appropriate method for characterization of the waste.

- A complete listing of all container identification numbers used to generate the WSPF, cross-referenced to each BDR.

- Complete AK summary, including waste stream name and number, the point of generation, waste stream volume (current or projected), generation dates, TRUCON codes, Summary Category Group, Waste Matrix Code(s) and Waste Matrix Code Group, other TRU Waste Baseline Inventory Report (TWBIR) information, waste stream description, areas of operation, generation processes, RCRA determinations, radionuclide information, all references used to generate the AK summary, and any other information required by Section C4-2b.

- Method for determining Waste Material Parameter Weights per unit of waste.

- List of any AK Sufficiency Determinations requested for the waste stream.

- Certification through acceptable knowledge or testing that any waste assigned the Hazardous Waste Number of U134 (hydrofluoric acid) no longer exhibits the characteristic of corrosivity. This is verified by ensuring that no liquid is present in U134 waste.

C3-6b(3) Waste Stream Characterization Package (T2)

The waste stream characterization package is submitted when requested by the Permittee and includes the following information:

- WSPF (Section C3-6b(1))

- Applicable CIS (Section C3-6b(2))

- Complete AK summary (Section C3-6b(2))

- BDRs supporting the characterization of the waste stream and any others requested by the Permittee

- Raw testing data requested by the Permittee

C3-6b(4) WIPP Waste Information System Data Reporting (T30)

The WWIS/WDS data dictionary includes the data, field formats, and limits associated with waste characterization data established by the WAP. These data are subject to edit and limit checks that are performed automatically by the database, as defined in the "Waste Data System User's Manual" (DOE 2009).

C3-7 Nonconformances (Q5)

The status of CCP activities are monitored and controlled by the SPM in accordance with the nonconformance and procurement procedures identified below. This includes nonconformance identification, documentation, and reporting.

Nonconformances

Nonconformances are uncontrolled and unapproved deviations from an approved plan or procedure (e.g., this QAPjP). In the context of this QAPjP, deficiencies and nonconformances are synonymous. Nonconforming items and activities are those that do not meet the CCP requirements, procurement document criteria, or approved work procedures. The CCP personnel are responsible for promptly reporting any nonconformance to management. The CCP reconciles and corrects nonconformance items, as appropriate, in accordance with the DOE-CBFO QAPD. The disposition of nonconforming items is identified and documented and nonconforming items are identified by marking, tagging, or segregating and appropriate notifications are made to the site. When a nonconformance related to the CCP is observed or detected, the QA is notified, and affected management reviews the content of the NCRs and assists the QA in processing the NCR. For each container selected for confirmation pursuant to Section C7, the Permittees will examine the respective NCR documentation to verify NCRs have been dispositioned for the selected container.

The CCP identifies and documents nonconformances as follows:

- The NCR procedure establishes the method for CCP personnel to identify, document, control, and disposition nonconforming activities, processes, items, and materials. NCRs are initiated by any individual identifying a nonconformance during performance of work tasks, random observations, inspections, or any other review of CCP procedures, operations, and activities. The CCP personnel identify deficient items by marking, tagging, or segregating them. This procedure implements the requirements of Section 1.3.2 (Nonconformances) of the DOE-CBFO QAPD.

- Corrective Action Reporting and Control procedures establishes the method for personnel to identify and correct potential problems and conditions adverse to quality, in addition to precluding their recurrence, and if necessary,

stopping associated work activities (Q8). Any person may temporarily stop work prior to evaluation of the condition by the responsible CCP supervisor. The CCP supervisor then evaluates and reports the condition, as necessary, in accordance with CCP-QP-029, *CCP Corrective Action Management.* This procedure implements the requirements of Section 1.3.3 (Corrective Action) of the DOE-CBFO QAPD.

Management at all levels fosters a "no-fault" attitude to encourage the identification of nonconforming items and processes within the CCP. Nonconformances may be detected and identified by anyone performing activities in support of this QAPjP, including:

- The CCP project staff - during field operations, supervision of subcontractors, data validation and verification, and self-assessment
- Testing Facility staff - during the preparation for and performance of testing; calibration of equipment; QC activities; data review, validation, and verification; and self-assessment.
- QA personnel - during oversight activities or audits

An NCR is prepared for each nonconformance identified. Each NCR is initiated by the individual(s) identifying the nonconformance. The NCR is then processed by knowledgeable and appropriate personnel. The NCR includes or references results of, QC tests, audit reports, internal memoranda, or letters, as appropriate. The NCR provides the following information:

- Identification of the individual(s) identifying or originating the nonconformance
- Description of the nonconformance
- Method(s) or suggestions for correcting the nonconformance (corrective action)
- Schedule for completing the corrective action
- An indication of the potential ramifications and overall usability of the data, if applicable
- Any approval signatures specified in the nonconformance procedures.

The SPM oversees the NCR process for the CCP, identifies and tracks the status of deficiencies, reports this information to the Permittees, and is responsible for verifying the close-out of the NCRs.

Nonconformances are tracked and trended in accordance with procedures (Q5, Q14) that establish the method for evaluating trends in nonconformances and identifying appropriate corrective actions.

The SPM ensures that relevant project personnel are notified of nonconformances and verifying completion of corrective action for nonconformances.

Nonconformance to DQOs

For any non-administrative nonconformance related to applicable requirements specified in this QAPjP which are first identified at the SPM signature release level (i.e., a failure to meet a DQO), the SPM will provide a written notification to the Permittees within seven (7) calendar days of identification and shall also provide a nonconformance report within 30 calendar days of identification of the incident. The CCP implements a corrective action process and resolves identified nonconformances prior to shipment of any affected waste to the WIPP.

DOE Corrective Action Process

This section is not applicable to the CCP.

C3-8 Special Training Requirements and Certifications (Q2)

The SPM is responsible for ensuring that all personnel maintain proficiency in the work performed and identifies additional training if required. The training and qualification process for CCP personnel and subcontracted personnel who perform work to support the CCP is documented and controlled. In accordance with these plans, only personnel trained to applicable CCP-related plans and procedures perform CCP activities. Before performing CCP-related activities, assigned staff receive indoctrination into the scope, purpose, and objectives of the WAP and the specific QAOs of assigned tasks. Personnel assigned to perform activities under this QAPjP have the education, experience, and training applicable to the functions associated with the work.

Evidence of personnel proficiency and demonstration of competence in the task(s) assigned are demonstrated and documented. All personnel designated to work on specific aspects of the WAP maintain qualification (i.e., training and certification) throughout the duration of the work as specified in this QAPjP and applicable procedures. Job performance is evaluated and documented at periodic intervals, as specified in the appropriate implementing procedures.

CCP personnel involved in WAP activities (as flowed down in this QAPjP) receive continuing training to ensure that job proficiency is maintained and documented. The due date for required continuing training courses and requalification shall be the end of the month of the anniversary date when the training was previously completed. Training

includes both education in principles and enhancement of skills. Job performance is evaluated and documented at periodic intervals, as specified in the implementing procedures or in CCP-QP-002. Documentation of training, consisting of training records that specify the scope of training, dates of completion, and job proficiency are maintained by the CCP Project Office and/or the site records system as QA records.

The minimum qualifications for certain specified positions for the WAP are summarized in Table C3-2. This QAPjP specify the titles and minimum training and qualification requirements for personnel performing QAPjP activities.

Evaluation of CCP personnel qualifications includes a comparison of the job description to the skills, training, and experience included in the individual's resume, training records, and other documented bases for job assignment. This evaluation is also performed for personnel who change positions because of a transfer or promotion as well as personnel assigned to short-term or temporary work assignments that may affect the quality of CCP activities. Procedures identify the responsible persons for ensuring all personnel maintain proficiency in the work performed and identify any additional training that may be required.

C3-9 Changes to WAP Related Plans or Procedures

Controlled changes to WAP-related CCP plans or procedures are managed through the document control process (Q10). The SPM reviews all nonadministrative changes and evaluates whether those changes could impact DQOs specified in the WAP. Any changes to the WAP-related plans or procedures that could impact DQOs (i.e., those changes that require prior approval of the DOE as defined in Section C5-2) are reported to the DOE within five days of identification by the project level review.

Table C3-1. Waste Material Parameters and Descriptions

Waste Material Parameter	Description
Iron-Based Metals/Alloys	Iron and steel alloys in the waste excluding the waste container materials.
Aluminum-Based Metals/Alloys	Aluminum or aluminum-based alloys in the waste materials.
Other Metals	All other metals found in the waste materials (e.g., copper, lead, zirconium, tantalum, etc.).
Other Inorganic Materials	Non-metallic inorganic waste, including concrete, glass, firebrick, ceramics, sand, and inorganic sorbents.
Cellulosics	Materials generally derived from high polymer plant carbohydrates (e.g., paper, cardboard, wood, cloth).
Rubber	Natural or man-made elastic latex materials (e.g., surgeon's gloves, leaded rubber gloves).
Plastics (Waste Materials)	Generally man-made materials, often derived from petroleum feedstock (e.g., polyethylene and polyvinylchloride).
Organic Matrix	Cemented organic resins, solidified organic liquids and sludges.
Inorganic Matrix	Any homogeneous materials consisting of sludge or aqueous-based liquids that are solidified with cement, calcium silicate, or other solidification agents; (e.g., waste water treatment sludge, cemented aqueous liquids, and inorganic particulates).
Soils/Gravel	Generally consists of naturally-occurring soils that have been contaminated with inorganic waste materials.
Steel (Packaging Materials)	208-liter (55-gallon) drums.
Plastics (Packaging Materials)	90-mil polyethylene drum liner and plastic bags.

Table C3-2. Minimum Training and Qualification Requirements

Personnel	Requirements
Radiography Operators[a]	Site-specific training based on waste matrix codes and waste material parameters as described in Section C3-4; requalification every 2 years

[a] Operators are responsible for the actual operation of testing equipment.

Table C3-3. Testing Batch Data Report Contents

Required Information	Radiography	VE	Comment
Batch Data Report Date	X	X	
Batch number	X	X	
Waste container number	X	X	
Waste stream name and/or number	O	O	
Waste matrix code	X	X	Summary Category Group included in waste matrix code.
Implementing procedure (specific version used)	X	X	If procedure cited contains more than one method, the method used must also be cited. Can use revision number, date, or other means to track specific version used.
Container type	O	O	Drums, Pipe Overpack, SWB, TDOP, etc.
Video media reference	X	X	Reference to video media applicable to each container. For VE for newly generated waste, video media is not required if two trained operators review the contents of the waste container to ensure correct reporting.
Imaging check	O	N/A	
Camera check	N/A	O	
Audio check	O	O	
QC documentation	X	X	

Table C3-3. Testing Batch Data Report Contents (continued)

Required Information	Radiography	VE	Comment
Verification that the physical form matches the waste stream description and waste matrix code	X	X	Summary Category Group included in waste matrix code.
Comments	X	X	
Reference to or copy of associated NCRs, if any	X	X	Copies of associated NCRs must be available.
Verify absence of prohibited items	X	X	
Operator signature and date of test	X	X	Signatures of both operators required for visual verification of AK.
Data review checklists	X	X	All data review checklists will be identified.

LEGEND:
X = Required in Batch Data Report
O = Information must be documented and traceable; inclusion in Batch Data Report is optional.

C4 ACCEPTABLE KNOWLEDGE

C4-1 Introduction

The RCRA regulations codified in 40 CFR and the New Mexico Hazardous Waste Management Regulations in 20.4.1 NMAC, Subparts 100 through 600, Subpart 800, and Subpart 900, authorize the use of AK in appropriate circumstances by waste generators or treatment, storage, or disposal facilities to characterize hazardous waste. AK is described in *Waste Analysis at Facilities that Generate, Treat, Store and Dispose of Hazardous Waste: A Guidance Manual* (EPA 1994a). AK, as an alternative to waste sampling and analysis, is used to meet all or part of RCRA waste characterization requirements (EPA 1994a).

EPA's 1994 Waste Analysis Guidance Manual broadly defines the term "acceptable knowledge" to include process knowledge, whereby detailed information on the wastes is obtained from existing published or documented waste analysis data or studies conducted on hazardous waste generated by processes similar to that which generated the waste; facility records of analysis performed before the effective date of RCRA; and sampling and waste analysis data obtained from generators of similar wastes that send their wastes off-site for treatment, storage, or disposal (EPA 1994a). If it is determined that AK alone is insufficient to accurately characterize a waste, radiography and/or VE, may be used to complete the waste characterization process and satisfy the requirements of the WAP. AK is used in TRU waste characterization activities in five ways:

- To delineate TRU waste streams
- To assess whether TRU mixed wastes comply with the applicable requirements of the Treatment, Storage, and Disposal Facility Waste Acceptance Criteria (TSDF-WAC)
- To assess whether TRU mixed wastes exhibit hazardous characteristic (20 NMAC 4.1.200, incorporating 40 CFR § 261 Subpart C)
- To assess whether TRU mixed wastes are listed wastes (20 NMAC 4.1.200, incorporating 40 CFR § 261 Subpart D)
- To estimate waste material parameter weights

Radiography and/or VE may be performed to augment the characterization of wastes based on AK when an AK Sufficiency Determination has not been requested by the generator/storage site or, if requested, has not been granted by the DOE (see Section C4-3d). TRU waste streams undergo applicable provisions of the AK process prior to shipment of the waste to WIPP.

C4-2 Acceptable Knowledge Documentation

The CCP collects and compiles, in a logical sequence, AK information that progresses from general facility information (TRU waste management program information) to more detailed waste-specific information (TRU waste stream information).

The CCP implements the AK process as specified in the WAP to characterize TRU waste (T5). The AK information is then compiled into the AK report (and supporting documentation), as shown in Figure C4-1, Compilation of Acceptable Knowledge Documentation, in Attachment C-4 of the WAP.

The following sections include the information the Permittee will require for the CCP to characterize TRU waste using AK. Because waste generating processes are site-specific, CCP will, as necessary, augment the required AK records with additional supporting information as discussed in Section C4-2c. If the required information is not available for a particular waste stream, the waste stream is not eligible for an AK Sufficiency Determination as specified in Section C4-3d.

C4-2a Required TRU Waste Management Program Information

TRU waste management program information clearly defines waste categorization schemes and terminology, provides a breakdown of the types and quantities of TRU waste that are generated and stored by the site (and processed by the CCP), and describes how waste is tracked and managed, including historical and current operations. Information related to TRU waste certification procedures and the types of documentation (e.g., WSPFs) used to summarize AK are also provided.

The following information is included as part of the AK written record:

- A map of the site with the areas and facilities involved in TRU waste generation, treatment, and storage identified
- Facility mission description as related to TRU waste generation and management
- Description of the operations that generate TRU waste at the site
- Description of waste identification and characterization schemes used at the site or facility (e.g., content codes, item description codes)
- Types and quantities of TRU waste generated, including historical generation through future projections. Includes time and facility/site of generation
- Description of correlation of waste streams generated from the same building and process (e.g., sludge, combustibles, metals, and glass)

- Waste certification procedures for TRU wastes to be shipped to the WIPP

C4-2b Required TRU Waste Stream Information

The CCP uses AK to delineate site-specific waste streams for shipment to the WIPP. The available process information and data that supports the AK used to characterize waste streams are compiled in AK summary reports and supporting documentation in accordance with CCP-TP-005. The type and quantity of supporting documentation may vary by waste stream, depending on the waste generating process and site specific requirements imposed by the Permittee. At a minimum, the waste process information on each waste stream includes the following written information:

- Areas and buildings from which the waste stream was or is generated
- The waste stream volume and time period of waste generation
- Waste generating process described for each building (e.g., batch waste stream generated during decommissioning operations of glove boxes), including processes associated with U134 waste generation, if applicable
- Documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste)
- Process flow diagrams. In the event that a process flow diagram cannot be created, a description of the waste generating process, rather than a formal process flow diagram, is used to satisfy this requirement. The use of the waste generating process description is justified, and the justification is placed in the AK record
- Material inputs or other information that identify the chemical content of the waste stream and physical waste form (e.g., glove box materials and chemicals handled during glove box operations; events or processes that may have modified the chemical or physical properties of the waste stream after generation; data obtained through VE of newly generated waste that later undergoes radiography; information demonstrating neutralization of U134 [hydrofluoric acid] and waste compatibility)

The AK written record includes a summary that identifies all sources of waste characterization information used to delineate the waste stream. The basis and rationale for delineating each waste stream, based on the parameters of interest, is clearly summarized and traceable to referenced documents. Assumptions made in delineating each waste stream also are identified and justified. If discrepancies exist between required information, then the CCP may consider applying all hazardous waste numbers indicated by the information to the subject waste stream but must assess and

evaluate the information to determine the appropriate hazardous waste numbers consistent with RCRA requirements.

Implementing procedures address the following AK processes:

- Identifying and assigning the physical waste form of the waste
- Delineating waste streams and assigning Summary Category Groups and waste matrix codes
- Resolving inconsistencies in AK documentation
- Radiography and VE, if applicable
- For newly generated waste, procedures describing process controls used to ensure prohibited items (specified in Section C) are documented and managed
- Procedures to ensure that radiography and VE include a list of prohibited items that the operator verifies are not present in each container (e.g., liquid exceeding TSDF-WAC limits, corrosives, ignitables, reactives, and incompatible wastes)
- Procedures for documenting how changes to waste matrix code, waste stream assignment, and associated hazardous waste numbers based on material composition are documented for any waste
- Procedures that ensure the assignment of EPA hazardous waste numbers is appropriate, consistent with RCRA requirements, and considers site historical waste management
- Procedures for estimating waste material parameter weights

C4-2c Additional Acceptable Knowledge Information

CCP shall obtain additional acceptable knowledge information. CCP shall collect information as appropriate to augment required information and provide any other information obtained to further delineate waste stream. Adequacy of this information shall be assessed by DOE during audits. CCP will use this information to compile the acceptable knowledge written record.

All additional specific, relevant acceptable knowledge documentation assembled and used in the acceptable knowledge process, whether it supports or contradicts any required acceptable knowledge documentation, shall be identified and an explanation provided for its use (e.g., identification of a toxicity characteristic). Additional

documentation may be used to further document the rationale for the hazardous characterization results. The collection and use of additional information shall be assessed by DOE during site audits to ensure that hazardous waste characterization is supported, as necessary, by such information. Similar to required information, if discrepancies exist between additional information and the required information, then CCP may consider applying all hazardous waste numbers indicated by the additional information to the subject waste stream, but must assess and evaluate the information to determine the appropriate hazardous waste numbers consistent with RCRA requirements. All information considered must be documented and placed in the auditable record, including applicable discrepancy resolution documentation.

Additional AK documentation includes, but is not limited to, the following information:

- Process design documents (e.g., Title II Design)
- Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of wastes generated and how the wastes are managed at the point of generation.
- Preliminary and final safety analysis reports and technical safety requirements
- Waste packaging records
- Test plans or research project reports that describe reagents and other raw materials used in experiments
- Site databases (e.g., chemical inventory database for Superfund Amendments and Reauthorization Act Title III requirements)
- Information from site personnel (e.g., documented interviews)
- Standard industry documents (e.g., vendor information)
- Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may also include new information which augments required information (e.g., VE not performed in compliance with the WAP, radiography screening for prohibited items)
- Material Safety Data Sheet, product labels, or other product package information

- Sampling and analysis data from comparable or surrogate waste streams (e.g., residues, equivalent nonradioactive materials)

- Laboratory notebooks that detail the research processes and raw materials used in an experiment

C4-3 Acceptable Knowledge Training, Procedures, and Other Requirements

The CCP uses the following to characterize TRU waste by means of AK information:

1) compiling the required and supporting additional AK documentation in an auditable record;

2) auditing AK records, and

3) WSPF approval and waste confirmation.

C4-3a Qualifications and Training Requirements (Q2)

The CCP and site personnel responsible for compiling AK, assessing AK, and resolving discrepancies associated with AK are qualified and trained in the following areas, at a minimum:

- WAP and TSDF-WAC requirements;

- State and Federal RCRA regulations associated with solid and hazardous waste characterization;

- Discrepancy resolution and reporting; and

- CCP and site-specific procedures associated with waste characterization using AK.

Position-specific qualification and training requirements such as those listed above for functional positions within the CCP are established by the SPM and documented (Q2). The SPM ensures that personnel conducting AK activities are qualified and trained as specified.

C4-3b Acceptable Knowledge Assembly and Compilation

The CCP process allows for the consistent application of the AK process and requirements, and addresses the following requirements (T5):

- Written procedures outlining the specific methodology used to assemble AK records, including the origin of the documentation, how it is used, and any

limitations associated with the information (e.g., identify the purpose and scope of a study that included limited sampling and analysis data).

- Written procedures to compile the required AK record.
- Written procedures ensuring that unacceptable wastes (e.g., reactive, ignitable, corrosive) are identified and segregated from TRU waste populations sent to the WIPP.
- Procedures to evaluate AK and resolve discrepancies. For example, if different sources of information indicate hazardous wastes are present in a waste stream, the CCP includes all sources of information in its records and may choose to either conservatively assign hazardous waste numbers or assign only those numbers deemed appropriate and consistent with RCRA requirements. All information used to justify assignment of hazardous waste numbers must be placed in the auditable record. Further the assignment of hazardous waste numbers is traceable in the AK record to required documentation.
- Procedures to identify hazardous wastes and assign the appropriate hazardous waste numbers to each waste stream in accordance with the following minimum baseline requirements:
  - Compiling all of the required information in an auditable AK record.
  - Reviewing the compiled information and delineating waste streams. Delineation of waste streams must comply with the definition in C-0a and justify combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream.
  - Reviewing the compiled information to determine if the waste stream is compliant with the TSDF-WAC.
  - Reviewing the required information to determine whether the waste is listed under 20.4.1.200 NMAC (incorporating 40 CFR §261), Subpart D. Assigning all the hazardous waste numbers unless the CCP chooses to justify an alternative assignment and documents the justification in an auditable record.
  - Reviewing the required information to determine if the waste exhibits a hazardous characteristic or contains toxicity characteristic hazardous constituents specified in 20.4.1.200 NMAC (incorporating 40 CFR §261), Subpart C. If a toxicity characteristic contaminant is identified and is not included as a listed waste, sites may evaluate available data and assign the toxicity characteristic hazardous waste number consistent with RCRA

requirements. All data examined to reach the hazardous waste number determination must be placed in the auditable record and must present a clear justification for the hazardous waste number analyses.

- Reviewing the compiled information to provide an estimate of material parameter weights for each container to be stored or disposed of at WIPP.

- For newly generated wastes, procedures are developed and implemented to characterize hazardous waste using AK prior to packaging the waste.

- The CCP ensures that results of other audits of the CCP TRU waste characterization activities are available in the CCP files.

- The CCP identifies all process controls (implemented to ensure that the waste contains no prohibited items and to control hazardous waste content and/or physical form) that may have been applied to retrievably stored waste and/or may presently be applied to newly generated waste. Process controls are applied at the time of waste generation/packaging to control waste content, whereas any activities performed after waste generation/packaging to identify prohibited items, hazardous waste content, or physical form are waste characterization activities not process controls. The AK record must contain specific process controls and supporting documentation identifying when these process controls are used to control waste content. See Section C-2 for programmatic requirements related to process controls.

C4-3c Criteria for Assembling an Acceptable Knowledge Record and Delineating the Waste Stream

CCP-TP-005 describes the process for assembling AK documentation into an auditable record. The first step is to assemble the required AK information and any additional information regarding the materials and processes that generate a specific waste stream. AK records are generated in compliance with the following criteria (T5):

- AK information is compiled in an auditable record, including a road map for applicable information.

- The overview of the facility and TRU waste management operations in the context of the facility's mission is correlated to specific waste stream information.

- Correlations between waste streams, with regard to time of generation, waste generating processes, and site-facilities are described in the AK summary report (Section C4-2b). For newly generated wastes, the rate (or schedule) and quantity of waste to be generated are also maintained in the AK process descriptions compiled in the AK summary report.

- A reference list provided in Section C4-3b that identifies documents, databases, QA protocols, and other sources of information that support AK information.

Container inventories are delineated into waste streams by correlating the container identifications to all of the required AK information and additional information (T5). The CCP assigns a waste matrix code and waste stream description to each container of waste using AK.

C4-3d AK Sufficiency Determination Request Contents (T5)

The CCP may submit an AK Sufficiency Determination Request (Determination Request). The Determination Request shall include, at a minimum.

- A complete AK Summary that addresses the following technical requirements:

  - Executive Summary

  - Waste Stream Identification Summary including a demonstration that the waste stream has been properly delineated and meets the Permit definition of waste stream (Attachment C, Introduction);

  - Mandatory Program Information (including, but not limited to, facility location and description, mission, defense waste assessment, spent nuclear fuel and high-level waste assessment, description of waste generating processes, research/development [as necessary], facility support operations [as applicable], types and quantities of TRU waste generated, correlation of waste streams to buildings/processes, waste identification and categorization, physical form identifiers);

  - Mandatory Waste Stream Information (including, but not limited to, Area and Building of Generation, waste stream volume/period of generation) (including, for newly generated waste, the rate and quantity of waste to be generation), waste generating activities, types of waste generated, material input related to physical form and identification of percentage of each waste material parameter in the waste stream, chemical content information including hazardous constituents and hazardous waste identification, prohibited item content (including documented evidence that the waste meets the TSDF-WAC Permit Sections 2.3.3.1 through 2.3.3.10), waste packaging, presence of filter vents, number of layers of confinement;

  - Types of supporting information gathered;

  - Container specific data (if available and relevant); and

- A complete reference list including all mandatory and additional information.

- An AK roadmap (defined as a cross reference between mandatory programmatic and mandatory waste stream information, with references supporting these requirements).

- A complete reference list including all mandatory and additional documentation.

- Additional relevant information for the required programmatic and waste stream data addressed in the AK Summary, examples of which are presented in Section C4-2c.

- Identification of any mandatory requirements supported only by upper tier documents (i.e., there is insufficient supporting data).

- Description or other means of demonstrating that the AK process described in the Permit was followed (for example, AK personnel were appropriately trained; discrepancies were documented, etc.).

- Information showing that CCP has developed a written procedure for compiling the AK information and assigning hazardous waste numbers as required in Section C4-3b.

- Information showing that CCP has assessed the AK process (e.g., internal audits, Section C4-3b).

C4-3e Requirements for Re-evaluating Acceptable Knowledge Information (T5)

AK includes information on the waste physical form, base materials composing the waste, and the waste generating process. Waste testing (i.e., radiography/VE) may be used to augment AK information prior to waste shipment. If retrievably stored waste must be repackaged, either VE prior to or during waste packaging or radiography after waste packaging, shall be used to confirm acceptable knowledge information.

The WSPF and CIS (including the AK summary) will be reviewed by the Permittees for each waste stream prior to DOE approval of the WSPF. The Permittees review will ensure that the submitted AK information was collected under procedures that ensure implementation of the WAP, provides data sufficient to meet the DQOs in Section C-4a(1), and allow the Permittees to demonstrate compliance with the waste analysis requirements of the Permit. A detailed discussion of the Permittees' waste stream review and DOE's WSPF approval process is provided in Section C-1d.

Re-Evaluation Based on Visual Examination and Radiography

The CCP has established procedures for re-evaluating AK if the results of waste confirmation indicate that the waste to be shipped does not match the approved waste stream, or if data obtained from VE or radiography for waste streams without an AK Sufficiency Determination exhibit this discrepancy. The CCP procedures describe how waste AK is re-evaluated, the waste is reassigned, and appropriate hazardous waste numbers assigned. If the re-evaluation requires that the waste matrix code be changed for the waste stream or the waste does not match the approved waste stream, the following minimum steps are taken to re-evaluate AK:

- Existing information is reviewed based on the container identification number and all differences in hazardous waste number assignments are documented
- If differences exist between the hazardous waste numbers that were assigned, the information is re-assessed, and required AK information associated with the new designation is documented
- Reassess and document all testing data associated with the waste
- The reassignment of the waste matrix code is documented and verified (e.g., verification that the waste was generated within the specified time period, area, and building and waste generating process, and that the process material inputs are consistent with the waste material parameters of waste identified during VE or radiography)
- Changes to AK records are recorded
- If discrepancies exist in the AK information for the revised waste matrix code, the discrepancies are documented in an NCR in accordance with CCP-QP-005. The NCR documents the segregation of the affected portion of the waste stream, and defines the corrective actions necessary to fully characterize the waste.

C4-3f Acceptable Knowledge Data Quality Requirements (T5)

DQOs for testing techniques are described in Section C3. Testing results are used to augment the characterization of wastes based on AK. To ensure the process is consistently applied and ensure that AK information is accurate, complete, and is representative of the waste stream being evaluated, the CCP complies with data quality requirements for AK documentation in Section C3.

The CCP addresses quality control by tracking its performance with regard to the use of AK by:

- Assessing the frequency of inconsistencies among information

- Documenting the results of waste discrepancies identified by CCP during waste confirmation using radiography, review of radiography audio/video recordings, VE, or review of VE records

In addition, the AK process and waste stream documentation is evaluated through internal assessments by QA organizations and assessment by auditors or observers external to the CCP (i.e., DOE-CBFO, NMED, EPA).

C4-3g Audits of Acceptable Knowledge

The DOE conducts an initial audit of the CCP prior to certifying the CCP for shipment of waste to the WIPP. This audit establishes an approved baseline that is reassessed annually by the DOE. The CCP does not certify waste for disposal until all corrective actions have been completed.

C5 QUALITY ASSURANCE PROJECT PLAN REQUIREMENTS

C5-1 Quality Assurance Project Plans

The CCP has developed and implemented this QAPjP to address the applicable waste characterization requirements specified in the WAP (P1). This QAPjP includes the qualitative or quantitative criteria to ensure that waste characterization activities are being performed satisfactorily. The organization(s) and position(s) responsible for implementation of this QAPjP are identified in Section B. Throughout this QAPjP, CCP documents are referenced that detail how each of the required elements of the characterization project are performed.

This QAPjP follows the format of the WAP and is implemented by the CCP through procedures that address TRU waste characterization activities. Compliance with CCP documents ensures that tasks are performed in a consistent manner that results in achieving the quality required under the QA program. The organization, format, content, and designation of the CCP procedures is described in the CCP-QP-010, *CCP Document Preparation, Approval, and Control*.

C5-2 Document Review, Approval, and Control (Q10)

Prior to the implementation of characterization activities, the SPM ensures that written procedures have been developed for implementing the requirements of this QAPjP. Procedures ensure that tasks are performed in a consistent manner and achieve the quality required for the quality assurance program. The SPM is responsible for ensuring that the procedures meet the organization, format, content, and designation of standard operating procedures. CCP procedures are written so that they may be implemented at several sites simultaneously. Site-specific issues such as safety policies, technical specification requirements, or organizational necessities, may require the CCP to prepare site-specific procedures to supplement the procedures used to ensure WAP compliance. These procedures are identified in the SOW or site interface document. These procedures are prepared and controlled as are the other existing CCP operating procedures and are subject to site specific review requirements. As a minimum, the following requirements are addressed in CCP procedures:

- Responsibilities of the organizations affected by the document,
- Technical, regulatory, quality assurance, or other program requirements.
- Sequential description of work to be performed,
- Quantitative or qualitative acceptance criteria sufficient for determining that activities were satisfactorily accomplished.

- Prerequisites, limits, precautions, process parameters, and environmental conditions,
- Special qualifications and training requirements,
- Verification points and hold points,
- Methods for demonstrating that the work was performed as required (such as provisions for recording inspection and test results, checklists, or sign-off blocks), and
- Identification and classification of QA records to be generated by the implementing procedure.

Procedures also include examples of data (e.g., reports, forms, and data validation checklists), as appropriate. Internal review and approval requirements are specified. In addition, CCP procedures are formatted, as follows:

- Purpose
- Scope
- Requirements
- Responsibilities
- Procedures
- Records

CCP procedures are reviewed for consistency with the QAPjP in accordance with the above listed requirements. The SPM is responsible for ensuring that the most current version of all procedures is readily available for use as needed by project personnel after procedures have been reviewed and approved for use.

The SPM ensures that the preparation, issuance, and change to documents that specify quality requirements or prescribe activities affecting quality for the CCP program be controlled to assure that correct and current documents are used and referenced. The CCP uses a document control format consisting of a unique document identification number, current revision number, data, and page number, which will be placed in the header on the individual pages of the document. CCP documents are delineated into five areas: quality procedures, denoted by CCP-QP-XXX; technical procedures, denoted by CCP-TP-XXX; health and safety plans denoted by CCP-HSP-XXX; configuration management denoted by CCP-CM-XXX; and CCP Project Office documents (i.e., this QAPjP), denoted by CCP-PO-XXX. “XXX” denotes a sequential number.

Qualified and independent personnel review all CCP documents (including this QAPjP) prior to approval and issuance. Reviews consider the technical adequacy, completeness, and correctness of CCP documents and the inclusion of and compliance

with the requirements established by the WAP. Approval is indicated by a signature and date page included in the front of the document. The SPM ensures that:

- Revisions to site implementing documents are denoted by including the current revision number and date on the document title page and each page of the document.
- Revised pages are marked in redline/strikeout for expeditious review of the entire document.
- A vertical bar, indicating the change to the text, is included along the left-hand margin of the page, except in the case of full document revisions.
- Revised document submittals identify the changes, the reason for the changes, and the justification for concluding that the revised contents continue to satisfy the requirements of the QA program.
- Revisions that affect performance criteria or data quality (e.g., sampling or analytical methods, QAO, calibration requirements), other than editorial or minor changes, undergo the same level of review and approval as the baseline version of each document. These documents are reviewed and approved by the same functional organizations that performed the original review/approval, unless other organizations are specifically designated in accordance with approved procedures. Editorial or minor changes may be made without the same level of review and approval as the original or otherwise changed documents. The following items are considered editorial or minor changes:
  - Correcting grammar or spelling (provided the meaning has not changed),
  - Renumbering sections or attachments,
  - Updating organizational titles (*A change in an organizational title accompanied by a change in responsibilities is not considered an editorial change*),
  - Changes to non-quality-affecting schedules,
  - Revised or reformatted forms, providing the original intent is not altered, and
  - Attachments marked “Example” or exhibits clearly intended to be representative only

- CCP personnel are responsible for reporting any obsolete or superseded information to the SPM

- All CCP changes are evaluated and approved by the SPM, the appropriate personnel are notified before implementation, and the affected documents are revised as necessary

- Changes that affect performance criteria or data quality, and would take the activity out of compliance because they alter a requirement are not made without prior approval by DOE.

In addition, the SPM is responsible for ensuring that non-administrative changes, non-editorial changes, or changes that could affect performance criteria or data quality, such as sample handling and custody requirements, sampling and analytical testing procedures, quality assurance objectives, calibration requirements, or QC sample acceptance criteria (i.e., those changes that require prior approval of DOE as defined in Section C5-2) shall be reported to DOE within five days of identification by the project level review. The SPM ensures that the document control system is implemented to control the process for initiating, revising, modifying, reviewing, and distributing project documents and changes to project documents. As potential changes to project information are identified by the SPM, documents are revised as necessary and distributed to affected organizations in accordance with this procedure.

C6 AUDIT AND SURVEILLANCE PROGRAM

C6-1 Introduction

The WIPP audit and surveillance program ensures that the CCP conducts testing of wastes in accordance with the current WAP and that waste certification information is being managed properly. The CCP addresses deficiencies identified during the audits. A deficiency is any failure to comply with an applicable requirement of the WAP.

C6-2 Audit Procedures

This section does not apply to the CCP.

C6-3 Audit Position Functions

This section does not apply to the CCP.

C6-4 Audit Conduct

During audit interviews or audit meetings, CCP may be advised of deficiencies identified within their areas of responsibility to establish a clear understanding of the identified condition.

The personnel will be given the opportunity to correct any deficiency that can be corrected during the audit period.

When a deficiency is identified by the DOE audit team, a Corrective Action Report (CAR) is issued to the CCP. The CCP reviews the CAR which is used to evaluate the extent and cause of the deficiency, and submits an approved response to the Permittees indicating remedial actions and actions taken to preclude recurrence. If these responses to the CAR are acceptable, DOE communicates the acceptance to the CCP.

The CCP completes the remedial actions and actions to preclude recurrence and requests DOE to close the CAR. Following the completion of corrective actions, the Permittees may schedule and perform a verification visit to assure that corrective actions have been completed and are effective.

The corrective action response includes a discussion of the investigation performed to determine the extent and impact of the deficiency, a description of the remedial actions taken, determination of root cause, and action taken to preclude recurrence.

The CCP responds to any deficiencies and observations within thirty (30) days of receipt of any CARs and indicates the corrective action taken or to be taken. If the corrective action has not been completed, the response indicates the expected date the action will be completed. CARs applicable to WAP requirements are resolved prior to waste shipment.

C7 TRU WASTE CONFIRMATION

Introduction

This section of the QAPjP describes the actions that the Permittees will take to approve and accept waste for and disposal at the WIPP, including waste confirmation activities. Discussion of the Permittees' actions that are relevant to CCP will be included here. The Permittees demonstrate compliance with the WIPP-WAP by ensuring that the waste characterization processes performed by CCP produce data compliant with the WIPP-WAP and through the waste screening and verification processes. Verification occurs at three levels: 1) the data generation level, 2) the project level, and 3) the Permittee level. The Permittees also examine a representative subpopulation of waste prior to shipment to confirm that the waste contains no ignitable, corrosive, or reactive waste; and that assigned EPA Hazardous Waste Numbers are allowed by the WIPP RCRA Permit. The waste confirmation activities described herein occur prior to shipment of the waste from the CCP to WIPP.

C7-1 Permittee Confirmation of TRU Mixed Waste

This section does not apply to CCP.

C7-1a Permittee Confirmation of a Representative Subpopulation of the Waste

The Permittees will confirm that the waste contains no ignitable, corrosive, or reactive waste through radiography or the use of VE of a statistically representative subpopulation of the waste. Prior to shipment to WIPP, waste confirmation will be performed on randomly selected containers from each CH- and RH-TRU waste stream shipment.

C7-1b Radiography Methods Requirements

This section describes the portion of the Permittees' confirmation program that applies to CCP.

For containers that have been characterized using radiography by CCP in accordance with the method in Section C1-1, the Permittees may perform confirmation by review of CCP's radiography audio/video recordings.

When confirmation is performed by review of audio/video recorded scans produced by CCP as specified in Section C1-1, independent observations will be performed on two waste containers per shipment or two containers per day, whichever is less frequent.

C7-1c Visual Examination Methods Requirements

This section describes the portion of the Permittees' confirmation program that applies to CCP.

VE may also be used as a waste confirmation method by the Permittees. VE shall be conducted by the Permittees in accordance with written standard operating procedures to describe the contents of a waste container. VE shall be conducted to identify and describe all waste items, packaging materials, and waste material parameters. VE may be used by the Permittees to examine a statistically representative subpopulation of the waste certified for shipment to WIPP to confirm that the waste contains no ignitable, corrosive, or reactive waste. This is achieved by confirming that the waste contains no liquid in excess of TSDF-WAC limits or compressed gases, and that the physical form of the waste matches the waste stream description documented on the WSPF. During packaging, the waste container contents are directly examined by trained personnel. This form of waste confirmation may be performed by the Permittees at the waste generator/storage site. VE may be documented on video and audio media, or by using a second operator to provide additional verification by reviewing the contents of the waste container to ensure correct reporting. When VE is performed using a second operator, each operator performing the VE shall observe for themselves the waste being placed in the waste container or the contents within the examined waste container when waste is not removed. The results of all VE shall be documented on data forms.

In order to keep radiation doses as low as reasonably achievable, the Permittees may use their own trained VE operators to perform VE for waste confirmation by reviewing CCP VE data, which includes VE data forms, waste packaging records, and may also include audit/video media. If the Permittees perform waste confirmation by review of video media, the video record of the VE must be sufficiently complete for the Permittees to confirm the Waste Matrix Code and waste stream description, and verify the waste contains no liquid in excess of TSDF-WAC limits or compressed gases. CCP VE video/audio media subject to review by the Permittees shall meet the following minimum requirements:

- The video/audio media shall record the waste packaging event for the container such that all waste items placed into the container are recorded in sufficient detail and shall contain an inventory of waste items in sufficient detail that a trained Permittee VE operator can identify the associated waste material parameters.

- The video/audio media shall capture the waste container identification number.

- The personnel loading the waste container shall be identified on the video/audio media or on packaging records traceable to the loading of the waste container.

- The date of loading of the waste container will be recorded on the video/audio media or on packaging records traceable to the loading of the waste container.

The Permittees may also use their own trained VE operators to perform VE for waste confirmation by reviewing VE data forms or packaging logs prepared by the generator during their packaging of the waste. To be acceptable, the CCP VE data must be signed by two CCP personnel who witnessed the packaging of the waste and must provide sufficient information for the Permittees to determine that the waste container contents match the waste stream description on the WSPF and the waste contains no liquid in excess of TSDF-WAC limits or compressed gases. The Permittees will document their review of CCP VE data on Permittee VE data forms. CCP VE forms or packaging records subject to review by the Permittees shall meet the following minimum requirements:

- At least two generator site personnel shall approve the data forms or packaging records attesting to the contents of the waste container.

- The data forms or packaging records shall contain an inventory of waste items in sufficient detail that a trained Permittee VE operator can identify the associated waste material parameters.

- The waste container identification number shall be recorded on the data forms or packaging records.

VE video media of containers which contain classified shapes shall be considered classified information. VE data forms will not contain classified information.

C7-2 Noncompliant Waste Identified During Waste Confirmation

This section describes the portion of the Permittees' confirmation program that applies to CCP.

If the Permittee identifies noncompliant waste during waste confirmation at a CCP site, (i.e., the waste does not match the waste stream description documented in the WSPF or there is liquid in excess of TSDF-WAC limits or compressed gases) the waste will not be shipped.

The DOE will suspend further shipments of the affected waste stream and issue a CAR to CCP. Shipments of affected waste streams will not resume until the CAR has been closed.

As part of the corrective action plan in response to the CAR, CCP will evaluate whether the waste characterization information documented in the CIS or WSPF for the waste stream must be updated because the results of waste confirmation for the waste stream indicated that the TRU waste being examined did not match the waste stream description. CCP will thoroughly evaluate the potential impacts on waste that has been shipped to WIPP. The DOE will evaluate the potential that prohibited items were shipped to WIPP and what remedial actions should occur, if any. The results of these evaluations will be provided to NMED before shipments of affected waste stream resume. If the CIS and/or WSPF requires revision, shipments of the affected waste stream shall not resume until the revised waste stream waste characterization information has been reviewed and approved by the DOE. If CCP certifies noncompliant waste at a site more than once during a running 90-day period, the DOE will suspend acceptance of CCP's waste from that CCP site until the DOE finds that all corrective actions have been implemented and the site complies with all applicable requirements of the WIPP-WAP.

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ACRONYMS AND ABBREVIATIONS

AK	acceptable knowledge
BDR	Batch Data Report
CAR	Corrective Action Report
CBFO	Carlsbad Field Office
CCP	Central Characterization Program
CFR	Code of Federal Regulations
CH	contact-handled
CIS	Characterization and Information Summary
DA	data administrator
DOE	U.S. Department of Energy
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
HWA	New Mexico Hazardous Waste Act
HWDU	Hazardous Waste Disposal Unit
HWFP	Hazardous Waste Facility Permit
ID	identification number
INL	Idaho National Laboratory
kV	kilovolts
LDR	Land Disposal Restrictions
nCi	nanocuries
NCR	nonconformance report
NDE	nondestructive examination
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NWP	Nuclear Waste Partnership
OJT	on-the-job training
PCB	polychlorinated biphenyls
PDP	Performance Demonstration Program
QA	quality assurance
QAO	quality assurance objective
QAPD	Quality Assurance Program Document
QAPjP	quality assurance project plan
QC	quality control
RCRA	Resource Conservation and Recovery Act
RH	remote-handled
RIDS	records inventory and disposition schedule
SLB2	standard large box 2
SOP	standard operating procedure
SOW	Statement of Work
SPM	site project manager
SRS	Savannah River Site
SWB	standard waste box
TDOP	ten-drum overpack
TRU	transuranic

ACRONYMS AND ABBREVIATIONS (Continued)

TRUCON	*TRUPACT Content (Code)*
TSDF-WAC	*Treatment, Storage, and Disposal Facility Waste Acceptance Criteria*
TWBIR	*Transuranic Waste Baseline Inventory Report*
VE	visual examination
VOC	volatile organic compound
WAP	Waste Analysis Plan
WDS	Waste Data System
WIPP	Waste Isolation Pilot Plant
WSPF	Waste Stream Profile Form
WWIS	WIPP Waste Information System

Attachment 1 – Implementing Procedures

Reference Number	Procedure Number	Procedure Title
Q1	CCP-QP-001	CCP Graded Approach
Q2	CCP-QP-002	CCP Training and Qualification Plan
Q5	CCP-QP-005	CCP TRU Nonconforming Item Reporting and Control
Q8	CCP-QP-008	CCP Records Management
Q10	CCP-QP-010	CCP Document Preparation, Approval, and Control
Q14	CCP-QP-014	CCP Quality Assurance Trend Analysis and Reporting
Q15	CCP-QP-015	CCP Procurement
Q16	CCP-QP-016	CCP Control of Measuring and Testing Equipment
Q17	CCP-QP-017	CCP Identification and Control of Items
Q18	CCP-QP-018	CCP Management Assessment
Q19	CCP-QP-019	CCP Quality Assurance Reporting to Management
Q21	CCP-QP-021	CCP Surveillance Program
Q22	CCP-QP-022	CCP Software Quality Assurance Plan
Q23	CCP-QP-023	CCP Handling, Storage and Shipping
Q26	CCP-QP-026	CCP Inspection Control
Q27	CCP-QP-027	CCP Test Control
Q28	CCP-QP-028	CCP Records Filing, Inventorying, Scheduling, and Dispositioning
Q29	CCP-QP-029	CCP Corrective Action Management
Q30	CCP-QP-030	CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel
Q40	CCP-QP-040	Support Training
T1	CCP-TP-001	CCP Project Level Data Validation and Verification

Attachment 1 – Implementing Procedures (Continued)

Reference Number	Procedure Number	Procedure Title
T2	CCP-TP-002	CCP Reconciliation of DQOs and Reporting Characterization Data
T5	CCP-TP-005	CCP Acceptable Knowledge Documentation
T6	CCP-TP-006	CCP Visual Examination Technique for Idaho National Laboratory (INL) Newly Generated TRU Waste
T28	CCP-TP-028	CCP Radiographic Test Drum and Training Container Construction
T30	CCP-TP-030	CCP CH TRU Waste Certification and WWIS/WDS Data Entry
T53	CCP-TP-053	CCP Standard Real-Time Radiography (RTR) Inspection Procedure
T86	CCP-TP-086	CCP CH Packaging Payload Assembly
T113	CCP-TP-113	CCP Standard Contact-Handled Waste Visual Examination
T163	CCP-TP-163	CCP Evaluation of Waste Packaging Records for Visual Examination of Records
T500	CCP-TP-500	CCP Remote-Handled Waste Visual Examination
T508	CCP-TP-508	CCP RH Standard Real-Time Radiography Inspection Procedure
T512	CCP-TP-512	CCP Remote-Handled Waste Sampling
T530	CCP-TP-530	CCP RH TRU Waste Certification and WWIS/WDS Data Entry

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CCP-PO-002
Revision 27

CCP
Transuranic
Waste Certification Plan

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
4	05/17/2002	Revised to reflect requirements of new Department of Energy (DOE)/WIPP 02-3122, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (CH-WAC) (WIPP).
5	02/12/2003	Added CCP-TP-046, CCP-TP-047 AND CCP-TP-048 to Attachment 1, Table A.3-3, NDA Procedures.
6	06/11/2003	Updated to Revision 5 of the Quality Assurance Program Description (QAPD).
7	11/20/2003	Supplemented the description of the CCP organization in Section 4.1.1; added work planning criteria to Section 4.1.2[B]; revised Sections 4.10 and 4.10.2 to better describe how independent assessments are scheduled and conducted; updated procedure references.
8	01/08/2004	Added Procedures into Tables A-3.3, B-1, B-3, and B-4. Removed cancelled procedure (CCP-TP-080) from Table B-4.
9	03/15/2004	Incorporate changes to Revision 1 of DOE/WIPP-02-3122, Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant and other editorial changes. Changed references to match WAC.
10	11/15/2004	Revised to add procedures into Tables B-1, B-2, B-3 and B-4 in Attachment 4: Procedure Tables. Editorial changes throughout document. Incorporated Revision 20 of the Transuranic Package Transporter Modell II (TRUPACT-II) Safety Analysis Report (SAR), Revision 3 of the HalfPACT SAR, Revision 2 of the WIPP Waste Acceptance Criteria. Incorporated Carlsbad Field Office (CBFO) Document Release Record (DRR) comments.
11	02/24/2005	Revised to incorporate LANL Off-Site Source Recovery (OSR) Project. The Facility Quality Assurance Officer (FQAO) responsibilities were removed from this document to address Environmental Protection Agency (EPA) concerns regarding document consistency.
12	03/10/2005	Added procedures to Table A-3.3, Table B-1, and Table B-3. Added new Table B-3A, Solids Sampling Procedures.
13	05/09/2005	Incorporated changes to Revision 3 of DOE/WIPP-02-3122, CH-WAC for the WIPP. Updated 2.0 in Attachment 8. Updated web links in Section 5.
14	12/29/2005	Incorporated changes to Table 3.3.22, ^{239}Pu FGE Limits for Packages and Rev. 2 of the CH-TRAMPAC and editorial changes.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
15	03/22/2006	Revised to add procedures to Attachment 1, Radioassay Requirements for Contact-Handled Transuranic Waste, Table A-3.3, NDA Procedures and Attachment 4, Procedure Tables, and editorial corrections throughout. Updated Figure 2-1, Central Characterization Project (CCP) Organization. Changed all references to DOE O 414.1A to DOE O 414.1. Updated step 3.2.2(B) (B.1) and step 3.2.6(B)(B.2) to address Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
16	11/16/2006	Revised to incorporate Revision 5 of DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant.*
17	11/16/2006	Revised in response to concerns raised during the Idaho National Laboratory (INL) Remote-Handled (RH) Audit A-06-21. Corrected Section 4.4.1[B] and Attachment 11.
18	11/16/2006	Revised to incorporate Revision 6.0 of DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant.*
19	05/22/2007	Revised to change the references for quality planning, list CCP special processes, and add a new Section 5.7 addressing configuration management of CCP equipment.
20	11/02/2007	Revised for the addition of Remote Handled Waste shipments.
21	01/26/2009	Revised procedure lists to include new and modified procedures/titles. Also, revised to incorporate Revision 6.2 of DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*.
22	01/12/2010	Revised to incorporate Revision 6.4 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*.
23	04/07/2010	Revised to add Hanford Non-Destructive Assay (NDA) equipment.
24	06/30/2010	Revised to incorporate Revision 6.5 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*.
25	12/29/2010	Revised to incorporate Revision 7.0 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* and minor editorial changes.
26	07/14/2011	Revised to incorporate revision 7.1 and 7.2 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, minor editorial changes, and delete Appendix 11.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
27	05/31/2013	Revised to incorporate Revision 7.3 and Revision 7.4 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, which incorporates the changes resulting for the Class 2 Permit modification entitled “Revised Waste Analysis Plan Waste Characterization Methods” which was approved by New Mexico Environment Department (NMED) on March 13, 2013, incorporate organizational changes to reflect the transition to Nuclear Waste Partnership (NWP), to clarify the hierarchy of quality assurance (QA) program documents, and minor editorial changes.

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TABLE OF CONTENTS

1.0 INTRODUCTION 9
1.1 CBFO Organization and Responsibilities 10
1.1.1 DOE-CBFO Office Director, Office of (Quality Assurance Manager) .. 10
1.1.2 DOE-CBFO Office Director, Office of National TRU Program 10

2.0 ORGANIZATION OF THE CCP 12
2.1 Organization and Responsibilities 12
2.1.1 CCP Management 12
2.1.2 NTPC Certification Manager 13
2.1.3 CCP Certification Manager 13
2.1.4 CCP Transportation Certification Official (TCO) 15
2.1.5 NWP Quality Assurance (QA) Manager 16
2.1.6 Quality Assurance (QA) 16
2.1.7 CCP Waste Certification Official (WCO) 18

3.0 COMPLIANCE PLAN FOR CH-WAC 20
3.1 Organization of Requirements 20
3.1.1 DOE Operations and Safety Requirements for WIPP 21
3.1.2 NRC Transportation Safety Requirements for Type B Packages 21
3.1.3 NMED Hazardous Waste Facility Permit Requirements 21
3.1.4 EPA Compliance Recertification Decision Requirements 21
3.1.5 EPA Approval for PCB Disposal 22
3.1.6 Land Withdrawal Act Requirements (Public Law 102-579) 22
3.2 Container Properties Criteria and Requirements 23
3.2.1 Payload Container Description 23
3.2.2 Container Weight and Center-of-Gravity 26
3.2.3 Assembly Configurations 26
3.2.4 Removable Surface Contamination (Payload Containers) 26
3.2.5 Container Identification/Labeling 27
3.2.6 Dunnage 29
3.2.7 Filter Vents 30
3.3 Radiological Properties 31
3.3.1 Radionuclide Composition 31
3.3.2 Fissile Material Quantity (^{239}Pu FGEs) 33
3.3.3 TRU Alpha Activity Concentration 37
3.3.4 ^{239}Pu Equivalent Activity 38
3.3.5 Radiation Dose Equivalent Rate 40
3.3.6 Decay Heat 41
3.4 Physical Properties 41
3.4.1 Observable Liquid 41
3.4.2 Sealed Containers 42
3.5 Chemical Properties 43
3.5.1 Pyrophoric Materials 43
3.5.2 Hazardous Waste 44
3.5.3 Chemical Compatibility 45
3.5.4 Explosives, Corrosives, and Compressed Gases 46
3.5.5 HSG VOC Concentrations 47
3.5.6 Polychlorinated Biphenyl (PCB) Concentration 47

Controlled
Copy

3.6 Data Package Contents 48
3.6.1 Characterization and Certification Data 48
3.6.2 Shipping Data 49

4.0 WASTE ACCEPTANCE REQUIREMENTS AND CRITERIA FOR RH WASTE 51
4.1 Organization of Requirements 51
4.2 DOE Operations and Safety Requirements for WIPP 52
4.3 NRC Transportation Safety Requirements 52
4.4 NMED Hazardous Waste Facility Permit Requirements 53
4.5 EPA Compliance Recertification Decision Requirements 53
4.6 WIPP Land Withdrawal Act Requirements (Public Law 102-579) 54
4.7 Container Properties 55
4.7.1 Description 55
4.7.2 Weight Limits 56
4.7.3 Assembly Configurations 57
4.7.4 Removable Surface Contamination 57
4.7.5 Identification/Labeling 58
4.7.6 Dunnage 61
4.7.7 Filter Vents 61
4.8 Radiological Properties 62
4.8.1 Radionuclide Composition 63
4.8.2 ^{239}Pu Fissile Gram Equivalent/^{235}U Fissile Equivalent Mass (FEM) 65
4.8.3 TRU Alpha Activity Concentration 68
4.8.4 ^{239}Pu Equivalent Activity 69
4.8.5 Radiation Dose Equivalent Rate 70
4.8.6 Decay Heat 70
4.9 Physical Properties 71
4.9.1 Observable Liquid 71
4.9.2 Sealed Containers 72
4.9.3 Physical Form 73
4.10 Chemical Properties 74
4.10.1 Pyrophoric Materials 74
4.10.2 Hazardous Waste 75
4.10.3 Chemical Compatibility 75
4.10.4 Explosives, Corrosives, and Compressed Gases 76
4.10.5 Headspace Gas Concentrations 77
4.10.6 Polychlorinated Biphenyls (PCBs) 77
4.11 Data Package Contents 78
4.11.1 Characterization and Certification Data 78
4.11.2 Shipping Data 79

5.0 QUALITY ASSURANCE PLAN 80
5.1 Organization and Quality Assurance Program 80
5.1.1 Organization 81
5.1.2 Implementation of the QA Program 85
5.2 Personnel Qualification and Training 87
5.2.1 Qualification Requirements 88
5.2.2 Training Requirements 88
5.3 Quality Improvement 89
5.4 Documents 91

Controlled
Copy

5.5 Records 93
5.6 Work Process 94
5.6.1 Work 94
5.6.2 Implementing Procedures 95
5.6.3 Item Identification and Control 96
5.6.4 Special Processes 96
5.6.5 Handling, Storage, and Shipping 97
5.7 Configuration Management 97
5.7.1 Equipment Configuration 97
5.7.2 Software Configuration 98
5.8 Procurement 98
5.8.1 Procurement Document Review and Approval 99
5.8.2 Acceptance of Items or Services 99
5.8.3 Control of Supplier Nonconformances 100
5.8.4 Commercial Grade Items 101
5.9 Inspection and Testing 102
5.9.1 Qualification of Inspection and Test Personnel 103
5.9.2 Qualification of Nondestructive Examination Personnel 104
5.9.3 Inspection Planning 104
5.9.4 Test Requirements 104
5.9.5 Monitoring, Measuring, Testing, and Data Collection Equipment 105
5.10 Management Assessments 106
5.11 Independent Assessments 107
5.11.1 Surveillances 107
5.11.2 Audits 107
5.12 Sample Control Requirements 108
5.12.1 Sample Identification 108
5.12.2 Handling, Storing, and Shipping Samples 108
5.12.3 Disposition of Nonconforming Samples 109
5.13 Data Documentation, Control, and Validation 109
5.14 Software 110
5.15 Performance Demonstration Program (PDP) 110

6.0 REFERENCES 111

LIST OF TABLES

Table 1. Authorized Payload Container Contents 26
Table 2. ^{239Pu} FGE Limits for Payload Containers 34
Table 3. PE-Ci Limits 39
Table 4. ^{239Pu} FGE Limits for a Canister Shipped in an RH-TRU 72-B Package 66
Table 5. ^{239Pu} FGE Limits for Drums Shipped in a 10-160B Package 67
Table 6. ^{235U} FEM Limit for a Canister Shipped in an RH-TRU 72-B Package 67
Table 7. PE-Ci Limits 69
Table A-1. Data Quality Objectives (DQOs) for Radioassay 123
Table A-2. Upper Limits for %RSD vs. Number of Replicates 126
Table A-2.1. NDA Procedures 127
Table A-3. Range of Applicability 130
Table B-1. Container Management Procedures 140
Table B-2. Radiography Procedures 140
Table B-3. VE Procedures 140
Table B-4. GGT Procedures 140
Table B-5. Certification Procedures 140
Table B-6. Remote-Handled Procedures 141
Table C-1. PE-Ci Weighting Factors for Selected Radionuclides 143

LIST OF FIGURES

Figure 1-1. CCP Document Hierarchy for TRU Waste Characterization, Certification, and Transportation 11
Figure 2-1. CCP Organization 19

LIST OF APPENDIXES

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste 117
Appendix 2 – Appendix 1 References 135
Appendix 3 – Acronyms and Abbreviations 137
Appendix 4 – Procedure Tables 140
Appendix 5 – PE-Ci Activity 142
Appendix 6 – Glossary 144
Appendix 7 – Payload Container Integrity Checklist 151
Appendix 8 – Payload Management of TRU Alpha Activity Concentration 155
Appendix 9 – Radiography Requirements for Contact-Handled Transuranic Waste 158
Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste 164

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1.0 INTRODUCTION

The Central Characterization Program (CCP) is tasked with characterizing and certifying Transuranic (TRU) waste for disposal at the Waste Isolation Pilot Plant (WIPP). Accordingly, the CCP must comply with DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC). The WAC establishes the specific physical, chemical, radiological, and packaging criteria for acceptance of defense TRU waste shipments at WIPP. The WAC also requires that the CCP produce documents, including a certification plan, that addresses applicable requirements and criteria pertaining to packaging, characterization, certification, and shipping of defense TRU waste to WIPP for disposal.

The CCP may provide its services to a site by contracting directly with that site. If this is the case, the scope of services provided by CCP is specified in a Statement of Work (SOW) issued by the site. The SOW also specifies health and safety requirements, quality requirements, and other requirements specific to that site. A site-specific interface document may also be prepared which provides more detail on the site-CCP interface. The CCP has the option to use data from established TRU waste characterization activities at a U.S. Department of Energy (DOE)-Carlsbad Field Office (CBFO)-certified site, per site-specific interface documents. Transportation services may be provided through the CCP Certified Program or by other DOE-CBFO certified sites.

The site has general management oversight responsibility for work performed by the CCP at the site. The site is responsible for ensuring that CCP conducts its activities in compliance with site requirements, as defined in the site-specific interface document for that location.

Figure 1-1, CCP Document Hierarchy for TRU Waste Characterization, Certification, and Transportation illustrates the hierarchy of regulatory requirements for TRU waste characterization, certification, and transportation, and reflects the flow-down of requirements from higher-level documents to site-level program documents and implementing procedures. To ensure that future changes to the WAC and other relevant requirements documents are appropriately reflected, this CCP Transuranic Waste Certification Plan (hereinafter referred to as the Plan) will be reviewed at least annually and updated as necessary.

This Plan establishes the programmatic framework and criteria within which the CCP ensures that TRU wastes can be certified as compliant with the WAC. This Plan includes the following sections:

- Section 2.0, ORGANIZATION OF THE CCP, describes the interaction between the characterization, certification, and transportation personnel, and lists the responsibilities of key CCP officials.

- Section 3.0, COMPLIANCE PLAN FOR CH-WAC, describes CCP activities and specific documents that implement and verify compliance with each requirement.

- Section 4.0, WASTE ACCEPTANCE REQUIREMENTS AND CRITERIA FOR RH WASTE, describes CCP activities and specific documents that implement and verify compliance with each requirement.

- Section 5.0, QUALITY ASSURANCE PLAN, describes how the CCP complies with DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* (QAPD) (Reference 18), the WAC (Reference 47), DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP) (Reference 17), and provides the QA Plan for transportation as required by Title 10 *Code of Federal Regulations* (CFR), *Energy,* Part 71, *Packaging and Transportation of Radioactive Material,* Subpart H, *Quality Assurance*.

This Plan and associated Quality Assurance (QA) Plan (Section 5.0), CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (QAPjP), CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC),* and CCP-PO-505, *Remote-Handled Transuranic Waste Authorized Methods for Payload Control* establish the programmatic framework for the CCP's waste characterization, certification, and transportation activities. The QA Plan (Section 5.0) within this Plan implements all of the applicable CBFO QAPD requirements. These documents are submitted to the CBFO for review and approval. CCP will not characterize, certify, or ship TRU wastes to the WIPP before CBFO approval of this Plan.

1.1 CBFO Organization and Responsibilities

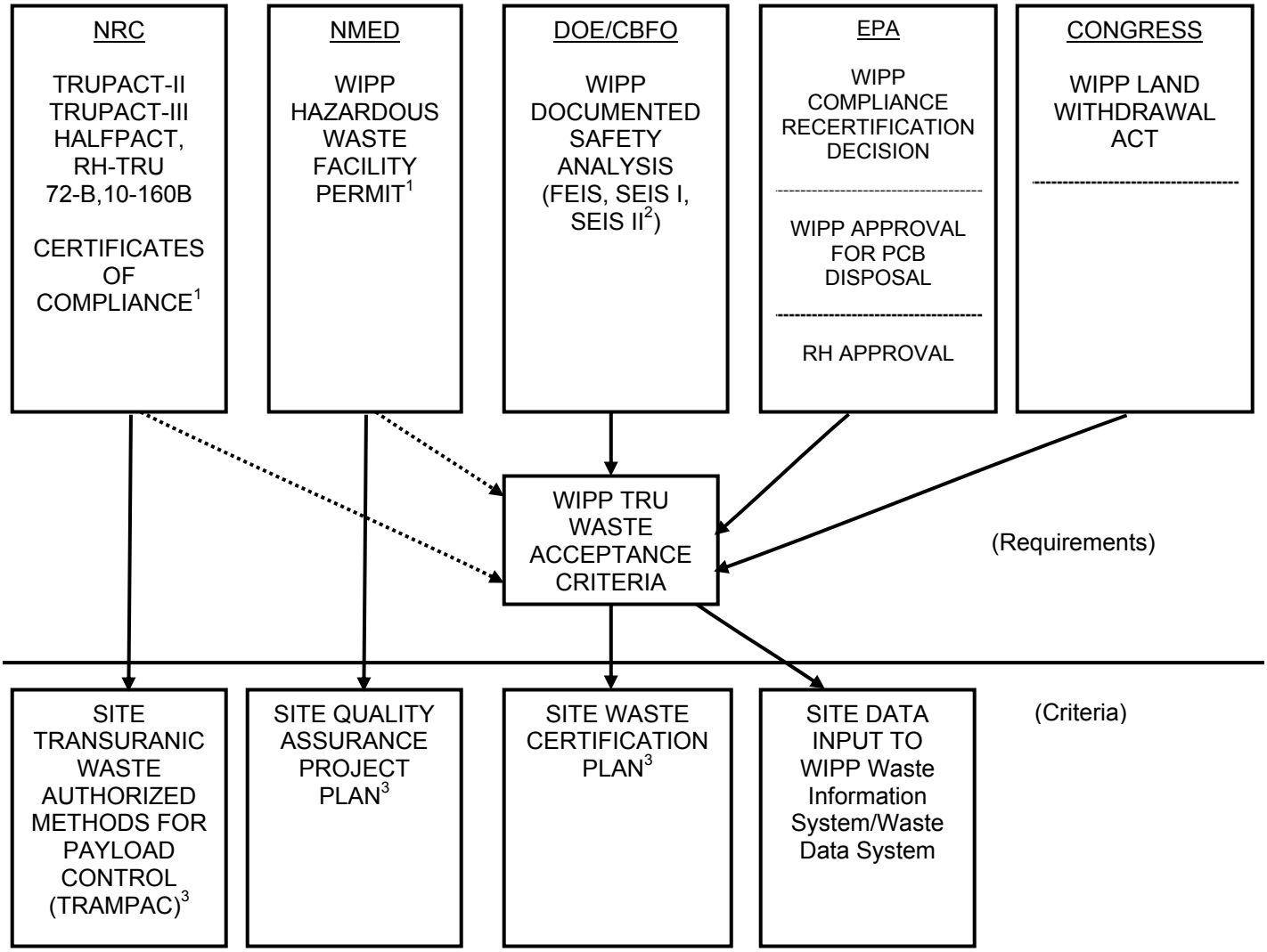
1.1.1 DOE-CBFO Office Director, Office of (Quality Assurance Manager)

[A] The DOE-CBFO QA Manager provides independent oversight of QA activities of the CCP and approves this Plan. This will include audits and surveillances to ensure that CCP is in compliance with this Plan.

1.1.2 DOE-CBFO Office Director, Office of National TRU Program

[A] The DOE-CBFO Office Director, Office of National TRU Program provides overall policy direction and oversees the CCP characterization and certification activities and approves this Plan.

Figure 1-1. CCP Document Hierarchy for TRU Waste Characterization, Certification, and Transportation



Note 1: The TRAMPACs as referenced by the TRUPACT-II, TRUPACT-III, HalfPACT, and RH-TRU 72-B Certificates of Compliance, the Safety Analysis Report (SAR) as referenced by the 10-160B Certificate of Compliance, and the WIPP Hazardous Waste Facility Permit (HWFP) provide detailed requirements. This Plan provides only an overview of these requirements.

Note 2: Final Environmental Impact Statement (FEIS), Supplemental Environmental Impact Statement (SEIS).

Note 3: All work performed by the site for the CBFO must be performed under an approved QA program. The site-specific Transuranic Waste Authorized Methods for Payload Control (TRAMPAC) can be a separate document or can be embodied in the site waste certification plan. The 10-160B SAR does not require the preparation of a site-specific TRAMPAC. Instead, acceptable methods for payload compliance for the 10-160B package are implemented by a Nuclear Regulatory Commission (NRC)-approved site-specific Appendix to the 10-160B SAR.

2.0 ORGANIZATION OF THE CCP

The responsibilities for TRU waste management of the CCP are distributed within various organizations. This section identifies the organizations involved in the CCP and describes the responsibilities of and interactions between these organizations.

2.1 Organization and Responsibilities

2.1.1 CCP Management

[A] CCP management has overall responsibility for successfully accomplishing activities subject to the QAPD. Management provides the necessary planning, organization, direction, control, resources, and support to achieve their defined objectives. Management is responsible for planning, performing, assessing, and improving the work.

[B] CCP management is responsible for establishing and implementing policies, plans, and procedures that control the quality of work, consistent with the provisions of the CBFO QAPD.

[C] Ensuring that adequate technical and QA training is provided for personnel performing activities subject to the CBFO QAPD.

[D] CCP management is responsible for ensuring that individual workers are knowledgeable of requirements for work they perform and are provided the necessary resources and administrative controls needed to accomplish assigned tasks.

[E] Ensuring compliance with all applicable regulations, DOE orders and requirements, and applicable federal, state, and local laws.

[F] Ensuring that personnel adhere to procedures for the generation, identification, control, and protection of QA records.

[G] Exercising the authority and responsibility to STOP unsatisfactory work such that cost and schedule do not override environmental, safety, or health considerations.

[H] Developing, implementing, and maintaining plans, policies, and procedures that implement the CBFO QAPD.

[I] Identifying, investigating, reporting, and correcting quality problems.

[J] Members of CCP management are responsible for achieving and maintaining quality in their area. Quality achievement is the responsibility of those performing the work. Quality achievement is verified by persons or organizations not directly responsible for performing the work.

[K] CCP management empowers employees by delegating authority and decision making to the lowest appropriate level in the organization.

[L] Figure 2-1, CCP Organization, is a functional organization chart pertaining to TRU waste characterization and certification activities at the CCP. The following subsections identify the organizations that oversee the CCP and describe the roles and responsibilities of key positions within the CCP charged with implementing the requirements defined in this Plan.

2.1.2 NTPC Certification Manager

[A] The National TRU Program Certification (NTPC) Manager is responsible for the day-to-day management and direction of CCP activities. The NTPC Certification Manager is responsible for:

[A.1] Ensuring successful CCP/site interface.

[A.2] Ensuring CCP plans and operations are coordinated, integrated, and consistent with DOE-CBFO programs, policies, and guidance.

[A.3] Coordinating CCP activities and functioning as principal point-of-contact (POC) with DOE-CBFO and other regulating agencies.

[A.4] Reviewing and approving this Plan.

2.1.3 CCP Certification Manager

[A] The CCP Certification Manager is the principal POC with DOE (including CBFO and National TRU Program [NTP]) for technical activities associated with TRU waste. The CCP Certification Manager performs the Site Project Manager (SPM) duties described in Appendix E of the CBFO QAPD. The CCP Certification Manager may delegate specific individuals within CCP to perform functions that are the responsibility of an SPM. The use of the term “SPM” in this Certification Plan refers to those delegated individuals. This delegation is documented by the completion and approval of an SPM Qualification Card in accordance with CCP-QP-002.

The CCP Certification Manager coordinates with the CCP Waste Certification Official (WCO) and Transportation Certification Official (TCO) and oversees CCP activities to ensure that TRU waste is characterized and certified compliant with WIPP requirements. Specific responsibilities assigned to the CCP Certification Manager include the following:

[A.1] Reviewing and approving this Plan.

[A.2] Developing, maintaining, reviewing, approving, and implementing CCP procedures and plans. Development, approval, and implementation of procedures and plans will occur at the earliest time consistent with the schedule for accomplishing the activities.

[A.3] Scheduling revisions and distributing CCP procedures and plans and forwarding these documents (if significantly revised) to DOE-CBFO for review and approval before implementation. The term "significantly revised" means non-editorial changes in accordance with the CBFO QAPD, Section 1.4.3.

[A.4] Ensuring CCP personnel receive appropriate training and are properly qualified, so that suitable proficiency is achieved and maintained.

[A.5] Obtaining Acceptable Knowledge (AK) information from waste generators regarding U.S. Environmental Protection Agency (EPA) hazardous waste numbers.

[A.6] Reviewing and approving interface documents.

[A.7] Waste selection and tracking.

[A.8] Halting characterization or certification activities if problems affecting the quality of certification processes or work products exist.

[A.9] Validating and verifying characterization data.

[A.10] Reconciling verified data with data quality objectives (DQOs).

[A.11] Evaluating and reconciling AK information with characterization data.

[A.12] Preparing and submitting SPM Data Validation Summaries, Waste Stream Profile Forms (WSPFs), Characterization Information Summaries, Waste Stream Characterization Packages, and QA/Quality Control (QC) reports to DOE-CBFO.

[B] The CCP Certification Manager may delegate any of these activities to another individual; however, the CCP Certification Manager retains ultimate responsibility for ensuring that CCP certification requirements are met.

2.1.4 CCP Transportation Certification Official (TCO)

[A] The CCP TCO documents and certifies that payload containers and assemblies to be transported meet the requirements of CCP-PO-003. Specific responsibilities of the TCO include the following:

[A.1] Reviewing the applicable CCP transportation plans and transportation procedures.

[A.2] Interfacing with the SPM, CCP Certification Manager, WCO, and QA on matters associated with waste transportation.

[A.3] Reviewing and maintaining CCP-PO-003.

[A.4] Ensuring that data used in completion of the transportation documents are accurate and demonstrate that the waste is acceptable for transportation.

[A.5] Preparing and signing Payload Container Transportation Certification Documents (PCTCDs) and Overpack Payload Container Transportation Certification Documents (OPCTCDs).

[A.6] Preparing and signing Payload Assembly Transportation Certification Documents (PATCDs).

[A.7] Assisting QA with preparation of responses to deficiency reports in transportation matters.

[A.8] Ensuring that the transportation data entered into the WIPP Waste Information System/Waste Data System (WWIS/WDS) are accurate and demonstrate that waste is acceptable for disposal at WIPP.

[A.9] Reviewing interface documents.

[A.10] Halting transportation certification activities if problems affecting the certification or work process exist.

2.1.5 NWP Quality Assurance (QA) Manager

[A] The (NWP) Nuclear Waste Partnership QA Manager has the overall responsibility and authority to perform independent assessments to verify the organization's achievement of quality and assure the effective implementation of the QA program. The NWP QA Manager has the responsibilities and authorities described in Section 1.1.5 of WP 13-1, Nuclear Waste Partnership LLC Quality Assurance Program Description (NWP QAPD).

2.1.6 Quality Assurance (QA)

[A] QA provides QA oversight and planning for TRU waste characterization and certification, verifies the implementation of the QAPjP and the QA requirements of this Plan, and provides day-to-day guidance to CCP staff on quality-related matters. QA has the authority to STOP CCP work activities if quality is not assured or controlled. QA has no assigned responsibilities unrelated to the QA Program that would prevent appropriate attention to QA matters. QA is responsible for verifying the achievement of quality by those performing the work. As shown in the organization chart in Figure 2-1, the Assurance Programs Manager reports to the NWP QA Manager, so that required authority and organizational freedom are provided, including sufficient independence from cost and schedule considerations. The Assurance Programs Manager performs the duties and has the responsibilities and authorities described for the site project QA manager in Appendix E of the CBFO QAPD. QA specific responsibilities include the following:

[A.1] Reviewing and approving CCP procedures and plans including this Plan.

[A.2] Coordinating and participating in internal and external audits and assessments to verify compliance.

[A.3] Tracking compliance and evaluating trends in compliance with QA objectives (QAOs).

[A.4] Performing assessments of testing facilities.

[A.5] Tracking and trending CCP nonconformances and corrective action reports (CARs).

[A.6] Verifying CCP corrective actions.

[A.7] Submitting semi-annual and other QA/QC reports to the CCP Certification Manager and DOE-CBFO.

[A.8] Participating in the development of responses to Corrective Action Reports generated by DOE-CBFO or other external assessment organizations.

[A.9] Reviewing and approving supplier and subcontractor QA Plans.

[A.10] Reviewing interface documents.

[A.11] Providing guidance to all CCP organizations concerning identification, control, and protection of QA records.

[A.12] STOPPING work if quality is not ensured or controlled.

[A.13] Providing day-to-day guidance on quality-related matters to CCP staff.

[A.14] Maintaining liaison with participant QA organizations and other affected organizations.

[A.15] Developing, establishing, and interpreting QA policy and ensuring effective implementation.

[A.16] Interfacing, as appropriate, with the DOE-CBFO staff, participants, and other stakeholders on QA matters.

[A.17] Assisting CCP organizations with quality planning, documentation, quality measurement, and problem identification and resolution.

[A.18] Initiating, recommending, or providing solutions to quality problems through designated channels.

[A.19] Ensuring that further processing, delivery, installation, or use is controlled until proper disposition of a nonconformance, deficiency, or unsatisfactory condition has occurred.

[A.20] Coordinating with responsible management on resolution of differences of opinion involving the definition and implementation of QA Program requirements. If not resolved, progressively elevating

the issues to successively higher levels of management as necessary.

[A.21] Ensuring that a graded approach is used to exercise control over activities affecting quality to an extent consistent with their importance.

[A.22] Interfacing with the CCP WCO and TCO on matters related to waste certification and transportation.

[A.23] Providing inspection services for procurement, including source inspections

[A.24] Providing vendor qualification and maintenance of the NWP Qualified Suppliers List (QSL) for vendors used by the CCP.

[B] QA may delegate one or more individuals to perform the above functional responsibilities; however, QA retains ultimate responsibility for ensuring compliance with QA requirements.

2.1.7 CCP Waste Certification Official (WCO)

[A] The CCP WCO is responsible for reviewing data and information necessary to document TRU waste payload containers prepared for shipment to WIPP meet specified criteria. The WCO coordinates activities related to waste certification. Specific duties and responsibilities of the WCO include the following:

[A.1] Certifying that waste packages meet WAC requirements.

[A.2] Interfacing with the CCP Certification Manager, SPM, TCO, and QA on matters related to waste certification.

[A.3] Stopping waste certification activities if problems affecting the quality of certification processes or work products exist.

[A.4] Ensuring that certification data entered into the WIPP WWIS/WDS are accurate and demonstrate the acceptability of the waste for transport to and disposal at the WIPP.

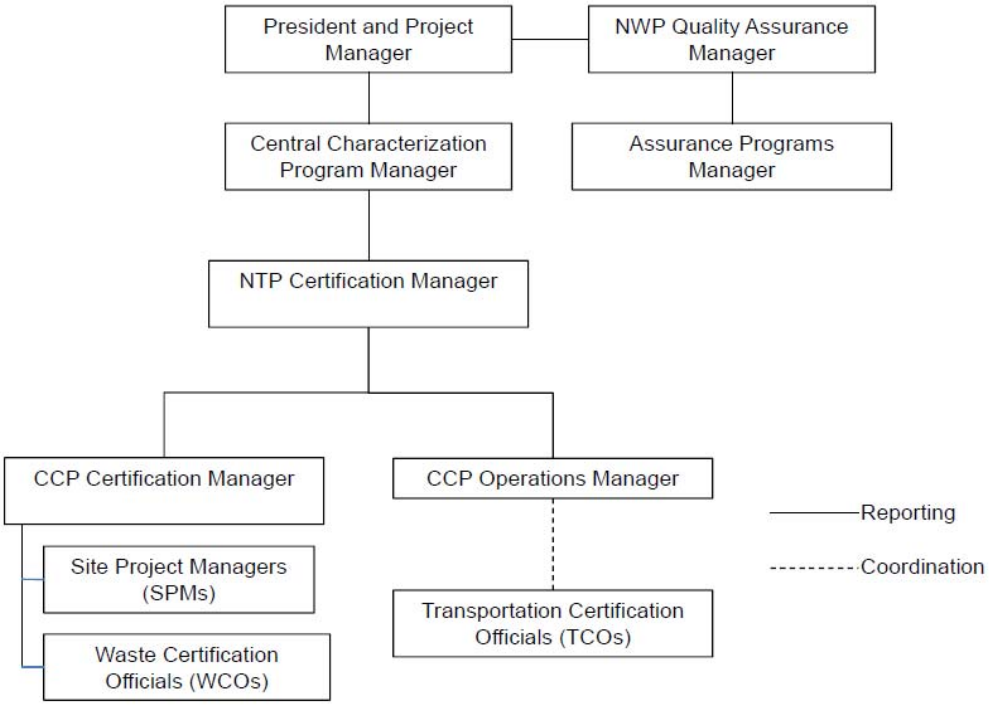
[A.5] Reviewing the applicable CCP plans and procedures and any other waste certification-related documents.

[A.6] Reviewing this Plan.

[A.7] Preparing responses to deficiency reports.

[B] The WCO may delegate one or more individuals to perform the above responsibilities; however, the WCO retains ultimate responsibility for ensuring compliance with WAC requirements.

Figure 2-1. CCP Organization



3.0 COMPLIANCE PLAN FOR CH-WAC

This section describes how the CCP complies with the requirements of the WIPP WAC and associated requirements contained in the WIPP Documented Safety Analysis (DSA) (Reference 4), the Transuranic Package Transporter II (TRUPACT-II), Transuranic Package Transporter III (TRUPACT-III), and/or HalfPACT Certificates of Compliance (References 5 and 6), the WIPP Land Withdrawal Act (LWA) (Reference 2) the WIPP HWFP (Reference 9), the Compliance Recertification Decision (Reference 10), the Initial Report for Polychlorinated Biphenyl (PCB) Disposal Authorization (Reference 11), the EPA letter of approval to land dispose non-liquid PCBs at WIPP (References 12 and 13), and the Revision to the Record of Decision for the DOE's WIPP Disposal Phase and associated WIPP National Environmental Policy Act (NEPA) database (References 14 and 15).

3.1 Organization of Requirements

WAC requirements are organized under five major categories: container properties, radiological properties, physical properties, chemical properties, and data package contents. Sections 3.2 through 3.6 correlate with the organization in the WAC for Contact-Handled (CH) TRU waste requirements and identify methods of compliance to meet each requirement. Procedures that implement the process controls, techniques, tests, and other actions to be applied to each TRU payload container, waste stream, and shipment are also identified. Revisions of requirements in referenced documents controlled by agencies or organizations other than DOE (e.g., EPA, NMED, and NRC) shall have precedence over values quoted in this Plan. Changes incorporated in future revisions of the CH-WAC will be reflected in future revisions of this Plan.

Regarding any discussions of compliance and verification methods, if a requirement is not met, personnel will initiate a Nonconformance Report (NCR) or a CAR in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*. Corrective action will be taken in accordance with CCP-QP-029, *CCP Corrective Action Management,* to resolve nonconformances. Section 5.3 of this Plan provides additional details about the NCR/CAR process. Only waste from a properly characterized waste stream will be certified as meeting the requirements and associated criteria contained in this Plan. Waste containers for a waste stream that has not been represented by an approved WSPF will not be shipped to WIPP for disposal (Reference 9, Part 2, Section 2.3.3.10). The required characterization, certification, and shipment data will be transmitted to WIPP using the WWIS/WDS.

3.1.1 DOE Operations and Safety Requirements for WIPP

[A] The WIPP DSA (Reference 4) addresses TRU waste handling and emplacement operations. The waste acceptance for emplacement in the WIPP will conform to the WAC.

3.1.2 NRC Transportation Safety Requirements for Type B Packages

[A] Acceptable methods for payload compliance control are defined in the TRUPACT-II, TRUPACT-III and HalfPACT Certificates of Compliance and implemented by the CH-TRAMPAC (References 23a and 23b). For shipments to WIPP, the CCP has prepared a CCP CH-TRAMPAC (CCP-PO-003) and a CCP TRUPACT-III TRAMPAC (CCP-PO-050 *CCP Trupact-III TRU Waste Authorized Methods For Payload Control [CCP TRUPACT-III TRAMPAC]*) describing compliance with each payload parameter. The CCP CH-TRAMPAC and CCP TRUPACT-III TRAMPAC will contain sufficient detail to allow reviewers to adequately understand and evaluate the compliance methodology for each payload parameter.

[B] The QA Program in Section 5.0 of this Plan defines the QA activities that apply to the use of NRC-approved transportation packaging in accordance with Title 10 CFR Part 71, Subpart H (Reference 24).

3.1.3 NMED Hazardous Waste Facility Permit Requirements

[A] TRU waste is classified as TRU mixed waste if it contains hazardous constituents regulated under the New Mexico Hazardous Waste Act (Reference 25). Only TRU mixed waste and TRU waste that have been characterized in accordance with WIPP Waste Analysis Plan (WIPP WAP) and that meet the treatment, storage, and disposal facility waste acceptance criteria as presented in permit Sections 2.3.3.1 through 2.3.3.10 will be shipped to WIPP for disposal. The CCP QAPjP describes compliance with the WIPP WAP.

3.1.4 EPA Compliance Recertification Decision Requirements

[A] Title 40 CFR §194.24(c) (Reference 26) requires the DOE to specify the limiting values for waste components to be emplaced in the repository. The EPA's Recertification Decision specifies waste components (including free water,

metals, and cellulose, plastic, and rubber) and their limits that are associated with the waste proposed for disposal at WIPP.

[B] CCP estimates or determines the weight of cellulose, plastics, and rubber, and reports this estimate in the WWIS/WDS on a container basis. In addition, CCP quantifies and reports the activity values of each of the following radionuclides for purposes of tracking the inventory curie content: ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs. The presence or absence of these radionuclides is determined using AK documentation and radioassay in accordance with Appendix A of the WAC. The results of these determinations are reported in the WWIS/WDS on a payload container basis. TRU waste payload containers shall contain more than 100 nanocuries per gram (nCi/g) of waste of alpha-emitting TRU isotopes with half-lives greater than 20 years, as specified in Section 3.3.3.

3.1.5 EPA Approval for PCB Disposal

PCB contaminated TRU and PCB contaminated TRU waste mixed with a hazardous waste including PCB remediation waste, PCB Articles, and PCB bulk product waste may be stored and disposed at the WIPP (References 11, 12, 13, 14, and 15). Waste streams identified as containing PCBs shall be brought to the attention of the CBFO in order that a determination can be made regarding their acceptability at WIPP. Applicable waste acceptance criteria are addressed in Sections 3.2.5, 3.4.1, and 3.5.6.

3.1.6 Land Withdrawal Act Requirements (Public Law 102-579)

[A] WIPP can only accept radioactive waste generated by atomic energy defense activities of the United States (Reference 1). A TRU waste is eligible for disposal at the WIPP if it has been generated in whole or in part by one or more of the following functions (References 27 and 28):

- Naval reactors development
- Weapons activities, including defense inertial confinement fusion
- Verification and control technology

- Defense nuclear materials production
- Defense nuclear waste and materials by-products management
- Defense nuclear materials security and safeguards and security investigations
- Defense research and development

Using AK, CCP determines that each waste stream to be disposed at WIPP is “defense” TRU waste.

[B] High-level radioactive waste or spent nuclear fuel shall neither be transported, emplaced, nor disposed of at the WIPP. Also, no TRU waste may be transported by or for the DOE to or from the WIPP, except in Type B packages:

- the design of which has been certified by the NRC, **AND**
- that have been determined by the NRC to satisfy its QA requirements.

3.2 Container Properties Criteria and Requirements

3.2.1 Payload Container Description

[A] Requirements

[A.1] Each payload container shall be assigned to a payload shipping category (References 23a and 23b). Authorized payload containers are listed in Table 1, Authorized Payload Container Contents. Payload containers shall meet U.S. Department of Transportation (DOT) Specification 7A, Type A, packaging requirements delineated in 49 CFR 173.465 (Reference 4, Section 2.6.2; Reference 9, Attachment A1, Section A1-1b, Reference 12, Section VI.F). Payload containers must be made of steel and be in good and unimpaired condition prior to shipment from the generator/storage sites. To demonstrate compliance with the requirement that payload containers be in good and unimpaired condition, the exterior of all payload containers shall undergo 100 percent visual inspection prior to loading into a Type B package. The results of this visual inspection

shall be documented using Appendix 7, Payload Container Integrity Checklist, of this Plan. A payload container in good and unimpaired condition, 1) does not have significant rusting, 2) is of sound structural integrity, and, 3) does not show signs of leakage. Significant rusting is a readily observable loss of metal due to oxidation (e.g., flaking, bubbling, or pitting) that causes degradation of the payload container's structural integrity. Rusting that causes discoloration of the payload container surface or consists of minor flaking is not considered significant. A payload container is not of sound structural integrity if it has breaches or significant denting/deformation. Breaching is defined as a penetration in the payload container that exposes the internals of the container. Significant denting/deformation is defined as damage to the payload container that results in creasing, cracking, or gouging of the metal, or damage that affects payload container closure. Dents or deformations that do not result in creasing, cracking, or gouging or affect payload container closure are not considered significant. CCP will report to the WWIS/WDS the number and types of payload containers planned for shipment to the WIPP.

[B] Compliance and Verification

[B.1] The CCP procures payload containers (e.g., drums, Standard Waste Box [SWBs], Standard Large Box2 [SLB2] and Ten-Drum Overpack [TDOPs]) that meet the following requirements:

(a) SWBs, SLB2s, and TDOPs are procured to the same standards and specifications as the containers used in Type A testing.

(b) New 55-gallon drums are procured as UN1A2 reusable drums, in accordance with applicable requirements of 49 CFR 173, which is allowable per CBFO memo CBFO:NTP:JFS97-1144UFC5822. Drums may also be procured to the same standards and specifications as the drums used in Type A testing.

[B.2] Recovered drums are inspected to ensure that they are DOT Specification 17C or 17H or meet

UN1A2 requirements for reusable drums. Permanent markings embossed on the bottom of the drums are used to verify the drum type if procurement records are not available. Alternatively, if the markings are not visible (e.g., drums that are galvanized through a dipping process, which obscures the embossing), the drums are inspected and inspection results are compared to requirements for 17C, 17H, or UN1A2 drums. Personnel examine retrievably stored containers for compliance with the applicable requirements and verify that the containers are in good condition in accordance with site-specific container management procedures (See Appendix 4, Procedure Tables, Table B-1), and CCP-TP-033, *CCP Shipping of CH-TRU Waste*. CCP-TP-033 contains Appendix D from the WAC, and is used to document compliance with the Payload Container Integrity Checklists.

[B.3] Personnel document their procurement acceptance and/or visual inspections. If packages cannot be shown to meet the above requirements by procurement records and/or physical examination, CCP personnel take corrective action (e.g., repackage the waste into a certifiable container) to resolve the nonconformance.

[B.4] Personnel will report the number and types of containers to WIPP using WWIS/WDS, in accordance with CCP-TP-030, *CCP CH-TRU Waste Certification and WWIS/WDS Data Entry*.

Table 1. Authorized Payload Container Contents

Payload Container	Contents
55-gallon drum	Either direct loaded or containing a pipe component (commonly referred to as a pipe overpack container [POC])
85-gallon drum[1]	Either direct loaded or containing a 55-gallon drum
100-gallon drum	Direct loaded
Shielded container	Containing a 30-gallon steel drum
SWB	Either direct loaded or containing up to four 55-gallon drums, up to three 85-gallon drums, up to two 100-gallon drums, or one bin
SLB2	Direct loaded or containing various individual containers (4 x 4 x 7-foot boxes and 5 x 5 x 8-foot boxes as well as other containers of smaller sizes)
TDOP	Either direct loaded or containing up to ten 55-gallon drums or up to six 85-gallon drums or one SWB

[1]The term "85-gallon drum" includes 75-gallon to 88-gallon drums.

3.2.2 Container Weight and Center-of-Gravity

[A] Requirements

[A.1] See the CH-TRAMPAC for weight limits and center-of-gravity requirements (Reference 23a). See the TRUPACT-III TRAMPAC for applicable weight limits (Reference 23b).

3.2.3 Assembly Configurations

[A] Requirements

[A.1] See the CCP CH-TRAMPAC and TRUPACT-III TRAMPAC for payload assembly configuration requirements (References 23a and 23b).

3.2.4 Removable Surface Contamination (Payload Containers)

[A] Requirements

[A.1] The removable surface contamination for each CH-TRU waste payload container, payload assembly and packaging must be measured and documented prior to shipment. Removable surface contamination

on CH-TRU waste payload containers, container assemblies, and packaging shall not be greater than 20 disintegrations per minute (dpm) per 100 square centimeters (cm^2) for alpha-emitting radionuclides and 200 dpm per 100 cm^2 for beta-gamma-emitting radionuclides (Reference 9, Attachment A1, Section A1-1d[2]; References 29 and 30).

[A.2] Fixing surface contamination to meet the above criterion is not permitted.

[B] Compliance and Verification

[B.1] A Host site Radiological Control Technician (RCT) surveys TRU waste payload containers, payload assemblies and packaging, for removable surface contamination before they are loaded for shipment. The RCT assesses removable contamination and documents the results in accordance with Host site radiological survey procedures. If the RCT determines that removable contamination exceeds 20 dpm per 100 cm^2 for alpha-emitting radionuclides or 200 dpm per 100 cm^2 for beta-gamma-emitting radionuclides, personnel determine whether surface contamination can be removed to meet established limits. If compliance with removable surface contamination limits cannot be achieved, personnel segregate and disposition noncompliant container(s) in accordance with CCP-QP-005. The survey results are added to the container data package. The WCO confirms removable surface contamination survey results in accordance with Host site radiological survey procedures. CCP-TP-033 is utilized to comply with requirements of this section.

3.2.5 Container Identification/Labeling

[A] Requirements

[A.1] Each CH-TRU waste payload container shall be uniquely identified by means of bar code labels permanently attached in conspicuous locations. (Reference 23a, Section 2.4; Reference 23b, Section 2.3). The unique payload container identification number shall include a site identifier as a prefix (References 23a and 23b, Section 6.2.1).

[A.2] The container identification number shall be in medium to low density Code 39 bar code symbology as required by American National Standards Institute (ANSI) Standard ANSI/Association for Automatic Identification and Mobility (AIM) BC1-1995 (Reference 31) in characters at least 1-in. high, and alphanumeric characters at least 0.5-in. [inch] high. In the case of a 55-gallon, 85-gallon, or 100-gallon drum, or a shielded container, a minimum of three bar code identification labels shall be placed at approximately equal intervals around the circumference of the drum or shielded container (e.g.,120 degrees for three labels, 90 degrees for four labels) so that at least one label is clearly visible when drums or shielded containers are assembled into a payload assembly (e.g., a label must be visible after slip sheets and wrapping are applied). The bar code labels are required on the flat sides of SWBs. For TDOPs and SLB2s, a minimum of one bar code is required.

[A.3] Payload containers shall be marked “Caution Radioactive Material” using a yellow and magenta label as specified in 10 CFR Part 835 (Reference 30).

[A.4] Payload containers whose content are also Resource Conservation and Recovery Act (RCRA) regulated (mixed-TRU) shall be additionally marked “Hazardous Waste” as specified in 40 CFR §262.32 (Reference 33).

[A.5] For TRU and mixed-TRU wastes containing PCBs, the payload containers shall be marked in accordance with 40 CFR §761.40 (Reference 13).

[A.6] Additionally, DOT Type B packages (i.e., the TRUPACT-II, TRUPACT-III and HalfPACT) containing PCBs must be properly marked in accordance with the EPA letter of approval and 40 CFR §761.40 (References 12 and 13).

[A.7] If an empty drum or shielded container is used as dunnage to complete a shipment to the WIPP, the drum shall be labeled with a unique payload identification number and “EMPTY” or “DUNNAGE.”

[A.8] If a seven-pack of 55-gallon drums, a four-pack of 85-gallon drums, a three-pack of 100-gallon drums, or a SWB is shipped as dunnage to fill a TRUPACT-II, the drums or SWB will be labeled as "EMPTY" or "DUNNAGE" but will not be labeled with the unique site-specific payload container identification numbers (CINs) or included in WWIS/WDS data.

[B] Compliance and Verification

[B.1] Fifty-five gallon, 85-gallon, 100-gallon drums or shielded container certified will have a minimum of three bar code labels equally spaced around the drum that identify the site and contain a unique identification number in accordance with the Host site-specific container management procedure(s). Bar code labels will be affixed on the flat side of SWBs, while on a TDOP, a minimum of one bar code will be affixed.

[B.2] After verifying payload parameters, personnel ensure each container is marked with the appropriate site and container identification number in accordance with the host site-specific container management procedures. The TCO verifies the container marking (e.g., barcode, Radiation Material, PCB, or Hazardous Waste labels) in accordance with CCP-TP-033.

[B.3] Refer to Section 3.2.6[B] of this Plan for compliance with the dunnage requirements and verifications.

3.2.6 Dunnage

[A] Requirements

[A.1] See the CCP CH-TRAMPAC for dunnage requirements (Reference 23a).

[A.2] The use of dunnage shall be minimized.

[A.3] In the event the use of dunnage cannot be avoided, the preferred practice for maximizing the efficiency of waste handling and the utilization of disposal room capacity is to ship them in assemblies (e.g., a seven-pack assembly of 55-gallon drums).

[B] Compliance and Verification

[B.1] The minimization of the use of dunnage is through load management. The use of dunnage drums is reviewed and approved concurrently with the review and approval of shipment assemblies by the WWIS/WDS Data Administrator on a case-by-case basis.

3.2.7 Filter Vents

[A] Requirements

[A.1] Payload containers that have been stored in an unvented condition (i.e., no filters and/or unpunctured liner) shall be aspirated for a specific length of time as described in the CH-TRAMPAC to ensure equilibration of any gases that may have accumulated in the closed payload container (References 23a and 23b, Section 5.3.1). All payload containers (including overpacks, but not dunnage containers) shall be vented with one or more filters to control gas concentration and pressure (Reference 4, Section 2.6.2; Reference 47, Reference 23a, Section 2.5.1; Reference 23b, Section 2.4.1; Reference 9, Attachment A1, Section A1-1b[2]). Filters shall meet the specifications described in the WIPP Hazardous Waste Facility Permit and the CH-TRAMPAC, and TRUPACT-III TRAMPAC (Reference 9, Attachment A1, Section A1-1d [1]; Reference 23a, Section 2.5.1; Reference 23b, Section 2.4.1). The model number of each filter vent or combination of filter vents will be reported using the WWIS/WDS.

[B] Compliance and Verification

[B.1] Personnel will procure approved filters for use on TRU waste containers. Filters will be selected from the DOE-CBFO-approved filter list. Filters will be procured in accordance with CCP-QP-015, *CCP Procurement*.

[B.2] The personnel visually verify that filter vents, if present, have been installed properly. If filter vents are not installed, personnel procure filter vents that meet specifications and install the correct number of

filter vents. The WCO confirms payload venting in accordance with CCP-TP-030. When a payload container does not meet the payload container filter requirements, an NCR is initiated. Nonconforming filters are replaced as necessary.

3.3 Radiological Properties

3.3.1 Radionuclide Composition

[A] Requirements

[A.1] The radionuclide composition of each waste container being characterized must be quantified and reported for purposes of tracking the inventory curie content. The activities and masses of the following radionuclides must be reported: ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs. The estimated activities and masses, including their associated total measurement uncertainties (TMU) expressed in terms of one standard deviation for these ten radionuclides shall be reported to the WWIS/WDS on a payload container basis. For any of these ten radionuclides whose presence can be substantiated from AK, direct measurement, computations, or a combination thereof, and whose measured data are determined to be below the lower limit of detection (LLD) for that radionuclide, the site shall report the character string "< LLD" to the WWIS/WDS for the activity and mass of that radionuclide; otherwise a value of zero shall be reported. Quantitative estimates for LLD shall not be used when calculating related radiological properties of the waste such as TRU alpha activity concentration, ^{239}Pu Fissile Gram Equivalent (FGE), decay heat, etc.

[A.2] In addition, all radionuclides other than the ten WIPP-tracked radionuclides (i.e., ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs) that contribute to 95 percent of the radioactive hazard for the payload container shall be reported on the bill of lading or manifest in accordance with Title 49 CFR, *Transportation* §172.203, (Reference 36) and Title 49 CFR §173.433, (Reference 37). The activities and masses of these other radioisotopes shall also be reported to the WWIS/WDS along with their

associated TMU, expressed in terms of one standard deviation for each waste container.

[B] Compliance and Verification

[B.1] CCP uses AK and measurements to determine radionuclide composition. The requirements for nondestructive assay (NDA) are presented in Appendix 1, Radioassay Requirements for Contact-Handled Transuranic Waste. NDA personnel quantify radionuclide values in accordance with the applicable procedures listed in Appendix 1, Table A-2.1, NDA Procedures. NDA personnel use AK data and assay measurements and calculations to create an isotopic profile of each waste container. The activities and masses of the ten WIPP-tracked radionuclides including TMU (one standard deviation) and all radionuclides other than the ten WIPP-tracked radionuclides including TMU (one standard deviation) that contribute to 95 percent of the radioactive hazard for the payload container being characterized will be reported for each container using WWIS/WDS in accordance with procedure CCP-TP-030. In addition, all radionuclides other than the ten WIPP-tracked radionuclides that contribute to 95 percent of the radioactive hazard for the payload container shall be reported on the bill of lading or manifest in accordance procedure CCP-TP-033.

[B.2] For any of the ten WIPP-tracked radionuclides whose presence can be substantiated from AK, direct measurement, or a combination thereof, and whose measured data are determined to be below the LLD for that radionuclide, the CCP will report the character string “< LLD” to the WWIS/WDS for the activity and mass of that radionuclide; otherwise a value of zero will be reported.

3.3.2 Fissile Material Quantity (^{239}Pu FGEs)

[A] Requirements

[A.1] For each payload container, the sum of ^{239}Pu FGE plus two times its associated TMU, expressed in terms of one standard deviation, shall comply with the limits in Table 2, ^{239}Pu FGE Limits for Payload Containers (Reference 4, Section 6.4.2 References 23a and 23b, Section 3.1.1). The values calculated for ^{239}Pu FGE and its associated TMU, expressed in terms of one standard deviation, shall be reported to the WWIS/WDS for each payload container.

[A.2] See the CCP CH-TRAMPAC for ^{239}Pu FGE limits applicable to the TRUPACT-II and/or HalfPACT packaging (Reference 23a).

[A.3] See the CCP CH-TRUPACT-III TRAMPAC for ^{239}Pu FGE limits applicable to the TRUPACT-III packaging (Reference 23b).

Table 2. ^{239}Pu FGE Limits for Payload Containers

Waste Container Type	Be/BeO Limits	Special Waste Container Geometry/Material Requirements	^{239}Pu FGE Limit
Non-Machine Compacted Waste			
55- (excluding pipe overpacks), 85-, and 100-gallon drums	≤ 1% by weight of the waste	None	≤ 200
55-gallon drum configured as a pipe overpack (i.e., a standard, S100, S200, or S300 pipe overpack)	≤ 1% by weight of the waste	None	≤ 200
Shielded Container	≤ 1% by weight of the waste	None	≤ 200
SLB2	≤ 1% by weight of the waste	The minimum ^{240}Pu content in grams for the SLB2 waste container, denoted in the adjacent ^{239}Pu FGE Limit column as a parenthetical, shall be determined after the subtraction of two times the error (i.e., two standard deviations)	≤ 325 ≤ 340 (5) ≤ 360 (15) ≤ 380 (25)
SWB	≤ 1% by weight of the waste	None	≤ 325
TDOP	≤ 1% by weight of the waste	None	≤ 325
55- (excluding pipe overpacks), 85-, and 100-gallon drums	>1% by weight of the waste up to 100 kg	None	≤ 100
SWB	>1% by weight of the waste	None	≤ 100
TDOP	>1% by weight of the waste	None	≤ 100

Table 2. ^{239}Pu FGE Limits for Payload Containers (Continued)

Waste Container Type	Be/BeO Limits	Special Waste Container Geometry/Material Requirements	^{239}Pu FGE Limit
Machine Compacted Waste			
Pipe overpacks (i.e., a standard, S100, S200 , or S300 pipe overpack)	> 1% by weight of the waste	None	≤ 140
55- (excluding pipe overpacks), 85-, and 100-gallon drums	≤ 1% by weight of the waste	Partially compacted waste. Applies to waste that has been compacted such that the distribution and form of polyethylene in the waste does not exceed 0.646 gram/cubic centimeter (g/cm^3), i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3).	≤ 200
55- (excluding pipe overpacks), 85-, and 100-gallon drums	≤ 1% by weight of the waste	Fully compacted waste without design vertical spacing. Applies to waste that has been compacted such that the distribution and form of polyethylene in the waste exceeds 0.646 g/cm^3, i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3).	≤ 170
55- (excluding pipe overpacks), 85-, and 100-gallon drums	≤ 1% by weight of the waste	Fully compacted waste with design vertical spacing. Applies to waste that has been compacted such that the distribution and form of polyethylene in the waste exceeds 0.646 g/cm^3, i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3), and the dimensions of the payload containers (e.g., 100-gallon drums) ensure a minimum 0.5-in. separation between their compacted waste contents and other axially adjacent payload containers.	≤ 200
Shielded Container	≤ 1% by weight of the waste	None	≤ 200

Table 2. ^{239}Pu FGE Limits for Payload Containers (Continued)

Waste Container Type	Be/BeO Limits	Special Waste Container Geometry/Material Requirements	Waste Container
Machine Compacted Waste			
SWB/TDOP	≤ 1% by weight of the waste	Fully compacted waste with design vertical spacing. Applies to waste that has been compacted such that the distribution and form of polyethylene in the waste exceeds 0.646 g/cm^3, i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3), and contains one 16-gauge steel 100-gallon drum having a top and bottom design spacing of 0.75 and 0.50-inches, respectively, with no loose material or other drums of waste in the SWB/TDOP.	≤ 250
SWB/TDOP	≤ 1% by weight of the waste	Fully compacted waste with design vertical spacing. Containing one 55-, 85-, or 100-gallon drum whose design ensures a minimum of 0.5-in. vertical spacing between drum contents and the exterior top and bottom of the drum (e.g., a recessed lid) with no loose material or other drums of waste in the SWB/TDOP.	≤ 200
SWB/TDOP	≤ 1% by weight of the waste	Partially compacted waste. Containing one 55-, 85-, or 100-gallon drum whose contents have been compacted such that the distribution and form of polyethylene in the waste does not exceed 0.646 g/cm^3, i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3) with no loose material or other drums of waste in the SWB/TDOP.	≤ 200
SWB/TDOP	≤ 1% by weight of the waste	Fully compacted waste with design vertical spacing. Applies to waste that has been compacted such that the distribution and form of polyethylene in the waste exceeds 0.646 g/cm^3, i.e., 70% of the theoretical full density of polyethylene (0.923 g/cm^3).	≤ 185

[B] Compliance and Verification

[B.1] Personnel obtain the CH-TRU waste fissile content in accordance with the processes described in Appendix 1, Radioassay equipment is qualified under the corresponding Performance Demonstration Program (PDP) requirements. CCP calculates the fissile or fissionable radionuclide content of the CH-TRU waste container as ^{239}Pu FGE according to approved calculation methods in accordance with CCP-TP-033.

[B.2] Personnel compile and review AK to make initial determinations about radionuclide content and concentrations. CCP confirms AK by obtaining information on the isotopic composition of the waste through radioassay of the filled payload container.

[B.3] Personnel compute the container ^{239}Pu FGE and container ^{239}Pu FGE TMU manually or using a computational algorithm. Individual radionuclide mass quantities and TMUs are converted to ^{239}Pu FGE by multiplying the mass value (g) by ^{239}Pu FGE conversion factors (FGE/g) listed in Table 3.1.2 of the CH-TRAMPAC (Reference 23a) and Table 3.1-1 of the TRUPACT-III TRAMPAC (Reference 23b). The ^{239}Pu FGE of each payload container shall be calculated from the isotopic composition and quantity of radionuclides. The ^{239}Pu FGE value plus two times the measurement error shall be less than the applicable limit for each payload container.

[B.4] The total ^{239}Pu FGE error is the square root of the sum of the squares of the individual ^{239}Pu FGE TMUs. Two times this error shall be added to the ^{239}Pu FGE of the Type B package payload and compared to the limit. The ^{239}Pu FGE of the radionuclides in each payload container will be reported to the WIPP using the WWIS/WDS and the TRUPACT-II and TRUPACT-III payload total FGE will be recorded on the PATCD. Payload containers shipped to the WIPP will meet both the Type B package and the WIPP repository requirements for criticality.

3.3.3 TRU Alpha Activity Concentration

[A] Requirements

[A.1] TRU waste containers to be disposed of at the WIPP shall contain greater than 100 nCi/g of waste of alpha-emitting TRU isotopes, with half-lives greater than 20 years. Without taking into consideration the TMU, the TRU alpha activity concentration for a payload container is determined by dividing the TRU alpha activity of the waste by the weight of the waste. The weight of the waste is the weight of the material placed into the payload container (i.e., the net weight of the container). The weight of the waste is typically determined by subtracting the tare weight of the payload container (including the weight of the rigid liner and any shielding external from the waste, if applicable) from the gross weight of the payload container. In the event waste containers (e.g., 55-gallon, 85-gallon or 100-gallon drums) that have been radioassayed are overpacked in a payload container (e.g., in a SWB), CCP shall sum the

individual TRU alpha activity values of the individual waste containers and divide by the sum of the individual net waste weights (i.e., less container, shielding, and liner weights as appropriate) to determine the activity per gram for the payload container. Should CCP utilize load management by overpacking waste containers, the determination of the payload container's TRU alpha activity concentration shall be in accordance with Appendix 8, Payload Management of TRU Alpha Activity Concentration. Loading a 55-gallon pipe-overpack with cans is considered direct loading, not overpacking for the purposes of calculating the weight of the container. The TRU alpha activity concentration shall be reported to the WWIS/WDS; however, there are no reporting requirements for its associated TMU (Reference 35, Chapter 4).

[B] Compliance and Verification

[B.1] Personnel measure TRU alpha activity concentration in accordance with the NDA processes described in Appendix 1. Personnel calculate the TRU alpha activity concentration of the CH TRU waste container manually or using computational algorithms. Personnel will subtract the tare weight of the containers before calculating the TRU alpha activity concentration. Personnel validate and verify calculation programs, before the data are used in accordance with CCP-QP-022, *CCP Software Quality Assurance Plan*. Assay data are validated and verified, and submitted in batch data reports (BDRs) to the CCP Project Office. The WCO confirms the reported TRU alpha activity concentration is appropriately calculated and above the specified limit.

3.3.4 ^{239}Pu Equivalent Activity

[A] Requirements

[A.1] ^{239}Pu equivalent curie (PE-Ci) limits are shown in Table 3, PE-Ci Limits. PE-Ci quantities shall be calculated in accordance with Appendix 5 for each payload container and reported to the WIPP using the WWIS/WDS (Reference 4, Section 3.3.2.3.1 and Table 3.3-6). There are no reporting requirements for the associated TMU.

Table 3. PE-Ci Limits

Payload Container	Packing Configuration	PE-Ci Limit
55-, 85-, and 100-gallon drum	Direct loaded – all approved waste forms other than solidified/vitrified waste	≤ 80 PE-Ci
Shielded Container	Direct loaded – vented 30-gallon inner steel drum – all approved waste forms other than solidified/vitrified waste	≤ 80 PE-Ci
SLB2	Direct loaded – all approved waste forms other than solidified/vitrified waste	≤560 PE-Ci
SWB	Direct loaded (or a bin) – all approved waste forms other than solidified/vitrified waste	≤ 560 PE-Ci
TDOP	Direct loaded – all approved waste forms other than solidified/vitrified waste	≤ 800 PE-Ci
85-gallon drum	Overpacking an undamaged[1] 55-gallon drum – all approved waste forms other than solidified/vitrified waste	≤ 1100 PE-Ci
SWB, TDOP	Overpacking an assembly of undamaged[1] 55- or 85-gallon drums with no single payload container within the assembly exceeding 1100 PE-Ci – all approved waste forms other than solidified/vitrified waste	≤ 1200 PE-Ci
TDOP	Overpacking an undamaged[1] SWB – all approved waste forms other than solidified/vitrified waste	≤ 1200 PE-Ci
Pipe Overpacks (Standard, S100, S200, and S300)	All approved waste forms	≤ 1800 PE-Ci
All	Solidified/vitrified waste	≤ 1800 PE-Ci

[1] An undamaged container provides an additional barrier should a breach occur in the overpack. When overpacking one or more damaged waste containers, direct loaded PE-Ci limits apply.

[B] Compliance and Verification

[B.1] Personnel calculate the activity of the CH-TRU waste container as PE-Ci according to the methodology in Appendix 5 of this Plan and CCP-TP-030. Personnel identify payload containers exceeding limits stated in Table 2, segregate them, and disposition them in accordance with approved nonconformance and corrective action management procedures. The WCO verifies compliance of the PE-Ci limits. Personnel will report the PE-Ci activity to the WIPP using the WWIS/WDS.

3.3.5 Radiation Dose Equivalent Rate

[A] Requirements

[A.1] The external radiation dose equivalent rate of individual payload containers shall be:

[A.2] ≤200 milliroentgen equivalent man (mrem)/hour (hr) at the surface with the exception of the S100 and S300 pipe overpacks which are limited to ≤179 mrem/hr and ≤155 mrem/hr, respectively, at the surface (References 23a and 23b, Section 3.2; Reference 4, Sections E1 and 2.1). Internal payload container shielding shall not be used to meet this criterion, except for authorized shielded payload container configurations such as the use of 55-gallon drums containing a pipe component or a shielded container (Reference 23a, Section 2.9). Total dose equivalent rate and the neutron contribution to the total dose equivalent rate shall be reported for each payload container in the WWIS/WDS.

[A.3] See the CCP CH-TRAMPAC and TRUPACT-III TRAMPAC for associated package requirements (References 23a and 23b).

[B] Compliance and Verification

[B.1] A Host site RCT measures surface dose rates of the individual payload containers in accordance with site radiological survey procedures using the beta-gamma and neutron dose rates for each container at the surface, and records the results for each payload container. If the combined beta-gamma and neutron dose rate exceeds the dose rate specified in step 3.3.5[A] at the surface for any container, the container is rejected, marked, and segregated. Total dose equivalent rate and the neutron contributions to the total payload container dose rate will be reported separately using the WWIS/WDS in accordance with CCP-TP-030.

3.3.6 Decay Heat

[A] Requirements

[A.1] See the CCP CH-TRAMPAC and TRUPACT-III TRAMPAC for decay heat requirements (References 23a and 23b).

[B] Compliance and Verification

[B.1] Personnel will compute the payload container decay heat and the measurement error manually or using a computational algorithm in accordance with CCP-TP-030. Personnel will ensure that the results of the calculations are equal to or less than the limits of the assigned shipping category. Individual radionuclide mass quantities and errors are converted to decay heat by multiplying the mass values (g) by decay heat conversion factors (W/g). Table 3.1-2 in the CH-TRAMPAC and TRUPACT-III TRAMPAC (References 23a and 23b) lists ^{239}Pu FGE, decay heat, and specific activity for many radionuclides. The values calculated for decay heat and its associated TMU (expressed in terms of one standard deviation) shall be reported to the WWIS/WDS for each payload container in accordance with CCP-TP-030.

3.4 Physical Properties

3.4.1 Observable Liquid

[A] Requirements

[A.1] Liquid waste is not acceptable at the WIPP. Observable liquid containing PCBs is prohibited at the WIPP.

Liquid in the quantities delineated below is acceptable:

- Observable liquid shall be less than 1 percent[1] by volume of the outermost container at the time of radiography or visual examination (VE) (Reference 9).

[1]The limit of “less than 1 percent” is taken from the CH-TRAMPAC and TRUPACT-III TRAMPAC and is more restrictive than the limit of “no more than 1 percent” in the HWFP.

- Internal containers with more than 60 milliliters (ml) or 3 percent by volume observable liquid, whichever is greater, are prohibited.

- Containers with Hazardous Waste Number U134 assigned shall have no observable liquid.

- Overpacking the outermost container that was examined during radiography or visual examination or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits.

(Reference 9, Part 2, Section 2.3.3.1, Attachment C, Sections C-1c and C-3b; Reference 23a, Section 2.6.1; Reference 23b, Section 2.5.1; Reference 35, Appendix TRU Waste; Reference 12, Conditions of Approval, II.A.2).

[B] Compliance and Verification

[B.1] Initially, AK is used to determine container contents. Personnel estimate liquid volume by radiography and/or VE, in accordance with site-specific radiography and VE procedures (See Appendix 4, Tables B-2 and B-3). During VE, if personnel detect any liquid waste in non-transparent internal containers by shaking the internal container, they will assume that the internal container is completely filled and add the entire volume of the internal container to the total liquid in the container being characterized using VE. Personnel reject payload containers whose liquid volumes exceed the limits defined in 3.4.1 [A.1]. If necessary, personnel repackage noncompliant waste containers in accordance with site-specific VE procedures (See Appendix 4, Table B-3).

3.4.2 Sealed Containers

[A] Requirements

[A.1] Sealed containers that are greater than four liters (L) (nominal) are prohibited except for solid inorganic waste (Waste Material Type II.2) packaged in a metal container (Reference 23a, Section 2.8.1; Reference 23b, Section 2.7.1).

[B] Compliance and Verification

[B.1] Personnel will ensure that payload containers are verified to be free of sealed containers greater than four liters. Personnel use VE and/or Real-Time Radiography to ensure prohibited physical waste forms are not present in waste containers (See Appendix 4, Table B-2 through B-3).

Payload containers rejected for sealed containers greater than four liters or more are marked and segregated. The container is repackaged and reprocessed to verify the criteria are met. The WCO confirms the sealed container criteria in accordance with CCP-TP-030.

3.5 Chemical Properties

3.5.1 Pyrophoric Materials

[A] Requirements

[A.1] Radioactive pyrophoric materials shall be present only in small residual amounts (<1 percent by weight) in payload containers and shall be generally dispersed in the waste. Radioactive pyrophorics in concentrations greater than 1 percent by weight and all nonradioactive pyrophorics shall be reacted (or oxidized) and/or otherwise rendered nonreactive prior to placement in the payload container (References 23a and 23b, Section 4.1.1). Nonradionuclide pyrophoric materials are not acceptable at the WIPP (Reference 4, Section 11.4.1; Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Section 2.3.3.2; References 23a and 23b, Section 4.1.4).

[B] Compliance and Verification

[B.1] Personnel verify compliance with pyrophorics restriction by obtaining information documented in AK. VE and radiography verify there is no indication and document that waste does not contain pyrophorics or other prohibited material (See list of real-time radiography [RTR] and VE procedures in Appendix 4, Tables B-2 and B-3). Personnel review and evaluate AK to verify that waste-producing processes included

no pyrophorics or other prohibited materials. AK includes sampling and analysis data, documentation of waste stream descriptions, or actions to treat or stabilize the waste to eliminate specific characteristics.

3.5.2 Hazardous Waste

[A] Requirements

[A.1] Hazardous wastes not occurring as co-contaminants with TRU wastes (non-mixed hazardous wastes) are not acceptable at the WIPP. Each CH-TRU-mixed waste container shall be assigned one or more EPA hazardous waste codes as appropriate. Only EPA hazardous waste codes listed as allowable in the WIPP Hazardous Waste Facility Permit may be managed at the WIPP. Some of the waste may also be identified by unique state hazardous waste codes. These wastes are acceptable at the WIPP as long as the Treatment, Storage, and Disposal Facility WAC are met (Reference 9, Attachment C, Section C-1b; Reference 9, Part 2, Section 2.3.4). Wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003) are not acceptable at WIPP. In the context of this Plan, hazardous waste codes are synonymous with hazardous waste numbers (Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Sections 2.3.3.3, 2.3.3.7, and 2.3.4).

[B] Compliance and Verification

[B.1] Personnel will ensure that each individual waste payload container is assigned to a waste stream identified by acceptable EPA hazardous waste codes and documented on a DOE-approved WSPF. Personnel will report the hazardous waste codes for each container to the WIPP via the WWIS/WDS in accordance with CCP-TP-030. EPA hazardous waste codes are assigned based on AK. CCP uses CCP-TP-005, CCP Acceptable Knowledge Documentation, to compile, review, evaluate, confirm and report AK documentation. The AK Summary Report delineates waste streams and assigns hazardous waste codes. If data are insufficient to

demonstrate that the concentration of the constituent is less than the regulatory level, the EPA hazardous waste number for the identified constituent is applied to the waste stream. CCP will report hazardous waste codes in accordance with CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*; CCP-TP-005 and CCP-TP-030.

3.5.3 Chemical Compatibility

[A] Requirements

[A.1] TRU waste containing incompatible materials or materials incompatible with payload container and packaging materials, shipping container materials, other wastes, repository backfill, or seal and panel closure materials are not acceptable for transport in the TRUPACT-II, TRUPACT-III, or HalfPACT or for disposal at the WIPP. Chemical constituents shall conform to the lists of allowable materials in Tables 4.3-1 through 4.3-8 of the CH-TRAMPAC. Other chemicals or materials not identified in these tables are allowed provided that they meet the requirements as specified in Section 4.3.1 of the CH-TRAMPAC and TRUPACT-III TRAMPAC (Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Section 2.3.3.4; References 23a and 23b, Sections 4.3 and 4.4).

[B] Compliance and Verification

[B.1] Personnel ensure compliance with the chemical compatibility requirements based on AK. Only wastes that have been shown to meet the approved chemical lists in Tables 4.3-1 through 4.3-8 of the CH-TRAMPAC and Tables 4.3-1 through 4.3-7 of the TRUPACT-III TRAMPAC are acceptable at the WIPP. The WCO confirms compliance with the chemical compatibility criteria in accordance with CCP-TP-030. If necessary, personnel repackage CH TRU waste containers not meeting the chemical compatibility requirement.

3.5.4 Explosives, Corrosives, and Compressed Gases

[A] Requirements

[A.1] Waste shall contain no explosives, corrosives, or compressed gases (pressurized containers) (Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Sections 2.3.3.5 and 2.3.3.7; References 23a and 23b, Section 4.2.1).

[B] Compliance and Verification

[B.1] Personnel ensure that explosives, compressed gases, and corrosive liquids are not present in payload containers. Chemicals (e.g., oxidizers) capable of forming explosive mixtures under some conditions are also prohibited from the waste. Waste-generation processes are assessed for safety hazards such as potential explosion hazards and potential inadvertent production of explosive materials in accordance with CCP-TP-005. Corrosives must be either excluded from the payload container or processed to neutralize the corrosive material or otherwise render it noncorrosive. CCP operating procedures describe the specific actions taken to ensure compliance with the corrosive material prohibition, (e.g., site-specific radiography and VE procedures [See Appendix 4, Tables B-2 and B-3]).

[B.2] Personnel verify compliance with the prohibited items requirement by obtaining AK information (e.g., administrative, operating, QA procedures, and safety assessments) documenting that waste does not contain explosives, corrosives, or pressurized containers. Personnel review and evaluate AK to verify that waste-producing processes included no prohibited or restricted materials. AK includes sampling and analysis data, documentation of waste stream descriptions, or actions to treat or stabilize the waste to eliminate specific characteristics. Personnel verify that prohibited materials are not in the waste container through radiography or VE (See list of RTR and VE procedures in Appendix 4, Tables B-2 and B-3).

3.5.5 HSG VOC Concentrations

[A] Requirements

[A.1] The headspace gas (HSG) of payload containers shall be determined in accordance with a site-specific TRAMPAC (References 23a and 23b, Section 5.2), as required.

[B] Compliance and Verification

[B.1] CCP Personnel ensure that the required QAOs meet the requirements specified for gas generation rates in the Gas Generation QAPjP. For those payload containers that exceed the flammable volatile organic compound (VOC) limit, a determination of compliance with the flammable (gas/VOC) concentration limit as described in the CH-TRAMPAC allows the payload container to be shipped in the Type B package under the test category.

[B.2] Test category payload containers are tested by direct measurement in accordance with gas generation testing (GGT) procedures (See Appendix 4, Table B-4) to quantify the hydrogen/methane, VOC, and total gas generation rates (as appropriate) for purposes of determining if all applicable limits are met in accordance with CCP-TP-030.

[B.3] Representative sampling of HSG may be used to quantify the hydrogen/methane, VOC, and total gas generation rates (as appropriate) for purposes of determining if all applicable limits are met in accordance with CCP-TP-030.

3.5.6 Polychlorinated Biphenyl (PCB) Concentration

[A] Requirements

[A.1] For TRU and mixed-TRU wastes containing PCBs meeting the condition of approval in Reference 12, the payload container data entered into the WWIS/WDS shall include the earliest date of waste generation (i.e., the date of removal from service for disposal), the date of waste certification for disposal, and the date the waste was sent to the WIPP for disposal (Reference 12, Section III.D.4). Additionally,

the estimated weight of the PCBs in kilograms (kg) (as recorded on the Uniform Hazardous Waste Manifest [UHWM]) and a description of the type of PCB waste (e.g., PCB Articles, PCB remediation waste), shall be entered into the WWIS/WDS (Reference 13, § 761.207 [a][2] and § 761.180). Hanford, Idaho National Laboratory, Savannah River Site, Oak Ridge National Laboratory, Knolls Atomic Power Laboratory, and Los Alamos National Laboratory are authorized to ship their TRU and TRU-mixed wastes containing PCBs to WIPP (References 14 and 15).

[B] Compliance and Verification

[B.1] Personnel use AK obtained from CCP-TP-005, and/or verification, and testing to demonstrate compliance with the PCB requirement. Personnel use nondestructive examination (NDE) (VE and RTR) procedures (See Appendix 4, Tables B-2 and B-3) during packaging of newly generated waste to identify the presence of PCBs. For retrievably stored debris waste, personnel compile, record, and evaluate AK to demonstrate compliance with the PCB limitation. The WCO verifies compliance with the PCB requirements.

3.6 Data Package Contents

3.6.1 Characterization and Certification Data

[A] Requirements

[A.1] Sites shall prepare a WSPF for each waste stream. Each WSPF shall be approved by the DOE-CBFO prior to the first shipment of that waste stream. Characterization and certification information for each payload container shall be submitted to the WWIS/WDS and approved by the WWIS/WDS Data Administrator. Sites are required to estimate the cellulose, plastics, and rubber (CPR) weights and report these estimates in the WWIS/WDS on a payload container basis. Any payload container from a waste stream that has not been preceded by an appropriate certified WSPF is not acceptable at the WIPP (Reference 9, Part 2, Section 2.3.3.10).

[B] Compliance and Verification

[B.1] Personnel will verify compliance with the data package requirements by reviewing data packages in accordance with CCP-TP-001, *CCP Project Level Data Validation and Verification,* and CCP-TP-005. Personnel will prepare and submit the WSPF to DOE-CBFO in accordance with procedure CCP-TP-002. The WCO ensures that the WWIS/WDS data are entered into the system and transmitted to the DOE-CBFO for approval before waste shipment in accordance with CCP-TP-030. Waste containers will be certified under an approved WSPF prior to shipment.

3.6.2 Shipping Data

[A] Requirements

[A.1] Sites shall prepare either a Bill of Lading or a UHWM for CH-TRU waste shipments as required by the transportation requirements. The Land Disposal Restriction (LDR) notification for CH-TRU mixed waste shipments shall state that the waste is not prohibited from land disposal (Reference 9, Attachment C, Section C-5b(2); References 23a and 23b, Section 6).

[B] Compliance and Verification

[B.1] Personnel verify compliance with the data package requirements by reviewing the data packages in accordance with CCP-TP-001 and CCP-TP-005. The TCO and WCO ensure that the WWIS/WDS data are entered into the system and transmitted to DOE-CBFO for approval before waste shipment in accordance with CCP-TP-030 and CCP-TP-033.

[B.2] The TCO prepares a PCTCD/OPCTCD for each payload container and a PATCD for each payload assembly in accordance with the CCP CH-TRAMPAC prior to loading the container into a Type B package. The TCO completes the PCTCD/OPCTCD and PATCD to certify an individual payload container and a PATCD to certify the payload assembly for shipping in accordance with CCP-TP-033, which is based on

Section 6.0 of the CCP CH-TRAMPAC. The PCTCDs, OPCTCDs, and the PATCDs are completed prior to shipping the Type B package. The LDR Exemption Notification form is completed for mixed waste shipments in accordance with CCP-TP-033. The shipping site's transportation personnel or personnel prepare a bill of lading or UHWM. For non-mixed waste shipments, a Bill of Lading is prepared. A UHWM is prepared for mixed waste shipments. If the TCO is the shipper of record, shipping data are prepared in accordance with CCP-TP-033.

[B.3] CCP Transportation is tasked with the final review of the payload assembly and documentation. The final approval of the assembly and documentation (UHWM or Bill of Lading) is done by CCP Transportation or other certified Host site program.

4.0 WASTE ACCEPTANCE REQUIREMENTS AND CRITERIA FOR RH WASTE

This section describes how the CCP complies with the requirements of the WIPP WAC for RH waste and associated requirements contained in the WIPP DSA (Reference 4), RH TRU 72-B and 10-160B Certificates of Compliance (References 7 and 8), WIPP LWA (Reference 2), WIPP Hazardous Waste Facility Permit (Reference 9), Compliance Recertification Decision (Reference 10), Initial Report for PCB Disposal Authorization (Reference 11), EPA letter of approval to land dispose non-liquid PCBs at WIPP (References 12 and 13), Revision to the Record of Decision for the DOE's WIPP Disposal Phase and associated WIPP NEPA database (References 14 and 15), EPA's letter of approval of DOE's RH TRU Waste Characterization Program (Reference 16), and the WCPIP (Reference 17).

4.1 Organization of Requirements

The purpose of Section 4.0 and related appendices is to describe the compliance methods and rationale for the requirements and associated criteria that must be met for RH TRU waste to be transported to, managed at, and disposed of in the WIPP. The requirements/criteria and associated compliance methods are organized under five major headings: Container Properties, Radiological Properties, Physical Properties, Chemical Properties, and Data Package Contents. Sections 4.7 through 4.11 correlate with the organization in the WIPP WAC for RH TRU waste requirements and identify methods of compliance to meet each requirement. Procedures that implement the process controls, techniques, tests, and other actions to be applied to each RH-TRU payload container, waste stream, and shipment are also identified. Revisions of requirements in referenced documents controlled by agencies or organizations other than DOE (e.g., EPA, NMED and NRC) shall have precedence over values quoted in this Plan. Changes incorporated in future revisions of the WIPP WAC for RH waste will be reflected in future revisions of this Plan.

In addition to the discussion described in this section, a CCP RH-TRU Waste Certification Plan for 40 CFR Part 194 compliance is presented in Appendix 11, CCP RH TRU Waste Certification Plan for 40 CFR Part 194 Compliance to this Plan. This Appendix satisfies the WCPIP requirement for a waste certification plan that provides, among other things, a listing of the DQOs specified in the WCPIP and the identification of methods and a description of the rationale that will be used to assess compliance with those DQOs.

Regarding any discussions of compliance and verification methods, if a requirement is not met, personnel will initiate an NCR or a CAR in accordance with CCP-QP-005. Corrective action will be taken in accordance with CCP-QP-029 to resolve nonconformances. Section 5.3

provides additional details about the NCR/CAR process. Only waste from a properly characterized waste stream will be certified as meeting the requirements and associated criteria contained in this Plan. Waste containers for a waste stream which has not been represented by an approved WSPF will not be shipped to WIPP for disposal (Reference 9, Part 2, Section 2.3.3.10). The required characterization, certification, and shipping data will be transmitted to the WIPP using the WWIS/WDS.

4.2 DOE Operations and Safety Requirements for WIPP

4.2.1 The WIPP DSA addresses waste handling and emplacement operations. Waste acceptance for emplacement in the WIPP will conform to the WAC to meet the DSA (Reference 4).

4.3 NRC Transportation Safety Requirements

4.3.1 Acceptable methods for payload compliance are defined in the RH-TRU 72-B and 10-160B Certificates of Compliance (References 7 and 8).

Acceptable methods for payload compliance for the RH-TRU 72-B are implemented by the RH-TRAMPAC (Reference 41). CCP-PO-505 describes how CCP will ensure compliance with each payload parameter. The CCP RH-TRAMPAC contains sufficient detail to allow reviewers to adequately understand and evaluate the compliance methodology for each payload parameter.

The payload requirements for the 10-160B package and site-specific compliance are specified by the 10-160B SAR (Reference 38). Prior to use of the 10-160B package, CCP will prepare a CCP Appendix if applicable. For shipments in the 10-160B package, CCP verifies compliance to the requirements for the applicable site-specific appendix to the 10-160B SAR. The 10-160B SAR does not require the preparation of a site-specific "TRAMPAC."

4.3.2 The QA Program described in Section 5.0 defines the QA activities that apply to the use of NRC-approved transportation packaging in accordance with 10 CFR Part 71, Subpart H (Reference 24).

4.4 NMED Hazardous Waste Facility Permit Requirements

4.4.1 TRU waste is classified as TRU-mixed waste if it contains hazardous constituents regulated under the New Mexico Hazardous Waste Act (Reference 25). Only TRU-mixed waste and TRU waste that have been characterized in accordance with the WIPP WAP and that meet the Treatment, Storage and Disposal Facility (TSDF) WAC as presented in permit Sections 2.3.3.1 through 2.3.3.10 will be shipped to WIPP for disposal. The CCP QAPjP describes compliance with the WIPP WAP.

4.5 EPA Compliance Recertification Decision Requirements

4.5.1 Title 40 CFR § 194.24(c) requires the DOE to specify the limiting values for waste components to be emplaced in the repository (Reference 26). The EPA's Compliance Recertification Decision (Reference 10) identifies the repository limits for several waste components including free water, metals, and CPR.

4.5.2 CCP estimates or determines the weight of CPR and reports this estimate in the WWIS/WDS on a container basis. The repository limit for CPR is a maximum of 2.2×10^7 kg. In addition, CCP quantifies and reports the activity values of each of the following radionuclides for purposes of tracking the inventory curie content: ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs. The presence or absence of these radionuclides is determined using AK documentation and radiological characterization techniques performed in accordance with the WCPIP. The results of these determinations are reported in the WWIS/WDS on a payload container basis. TRU waste payload containers shall contain more than 100 nCi/g of alpha-emitting TRU isotopes with half-lives greater than 20 years, as specified in Section 4.8.3 (Reference 47).

4.5.3 EPA Approval for PCB Disposal

PCB-contaminated TRU and PCB-contaminated TRU waste mixed with a hazardous waste including PCB remediation waste, PCB articles, and PCB bulk product waste may be stored and disposed at the WIPP (References 11, 12, 13, 14 and 15). Applicable waste acceptance criteria are addressed in Sections 4.7.5 (Identification/Labeling), 4.9.1 (Observable Liquids), and 4.10.6 (Polychlorinated Biphenyls).

Waste streams identified as containing PCBs shall be brought to the attention of the CBFO in order that a determination can be made regarding their acceptability at WIPP.

4.6 WIPP Land Withdrawal Act Requirements (Public Law 102-579)

4.6.1 WIPP can accept only radioactive waste generated by atomic energy defense activities of the United States (Reference 2, Section 2[19]). A TRU waste is eligible for disposal at WIPP if it has been generated in whole or in part by one or more of the following functions (References 27 and 28):

- naval reactors development
- weapons activities, including defense inertial confinement fusion
- verification and control technology
- defense nuclear materials production
- defense nuclear waste and materials by-products management
- defense nuclear materials security and safeguards and security investigations
- defense research and development

Using AK, CCP determines that each waste stream to be disposed of at WIPP is "defense" TRU waste (Reference 2).

4.6.2 High-level radioactive waste or spent nuclear fuel shall neither be transported, emplaced, nor disposed of at WIPP (Reference 2, Section 12). Also, no TRU waste may be transported by or for the DOE to or from WIPP, except in packages:

- the design of which has been certified by the NRC, and
- that have been determined by the NRC to satisfy its QA requirements.

4.7 Container Properties

4.7.1 Description

[A] Requirements

[A.1] The only payload containers authorized for receipt of RH-TRU waste in the RH bay of the Waste Handling Building at WIPP include 55-gallon drums and RH-TRU waste canisters shipped in 10-160B and RH-TRU 72-B packaging, respectively (references 7 and 8). The site shall report the number and type of payload containers to WIPP using the WWIS/WDS.

[A.2] Payload containers must meet DOT Type 7A standards (Reference 4, Section 2.5.2). Prior to loading in the transportation packaging, the exterior of a payload container must undergo 100 percent visual inspection to ensure compliance with the requirement that payload containers be in good and unimpaired condition. The results of this visual inspection must be documented. Inspection of 55-gallon drums shall be documented using the payload container integrity checklist contained in Appendix 7. A payload container is in good and unimpaired condition if it does not have significant rusting, is of sound structural integrity, and does not show signs of leakage.

The RH-TRU waste canister shall comply with the specifications in the CCP RH-TRAMPAC (Reference 7).

[B] Compliance and Verification

[B.1] CCP only uses RH-TRU 72-B waste canisters for use in the RH-TRU 72-B cask as payload containers for RH waste. The only authorized payload container of RH-TRU waste for shipment in the 10-160B to WIPP is a 55-gallon drum. CCP reports the number and type of payload containers to WIPP using the WWIS/WDS in accordance with procedure CCP-TP-530, *CCP RH TRU Waste Certification and WWIS/WDS Data Entry*.

[B.2] The CCP procures canisters in accordance with procedure CCP-QP-015 to comply with specifications

of Appendix 1.3.4 of the DSA for the RH-TRU 72-B Cask.

One hundred percent visual inspection of the exterior of the payload container is performed to ensure that the payload container is in good and unimpaired condition. The results of this inspection are documented. Inspection of payload containers for compliance to requirements is performed in accordance with CCP-TP-507, *CCP Shipping of Remote-Handled Transuranic Waste*.

All payload containers are assigned to a Content Code per procedure CCP-TP-530.

4.7.2 Weight Limits

[A] Requirements

[A.1] Each payload container shall comply with the following maximum weight limit:

- Removable Lid Canister (direct loaded or drum loaded) – 4,240 lbs (Reference 39)
- Welded Lid Canister (direct loaded) – 5,250 lbs (Reference 40)
- Welded Lid Canister (drum loaded) – 5,980 lbs (Reference 40)
- NS15 Neutron Shielded Canister – 3100 lbs (Reference 41)
- NS30 Neutron Shielded Canister – 3100 lbs (Reference 41)
- 1,000 lbs (453.59 kg) per 55-gallon drum (Reference 17, Section 2.4.1; Reference 4, Section 2.5.2.2)

See the RH-TRU 72-B and/or 10-160B packaging Certificates of Compliance for applicable package weight limits (References 7 and 8).

[B] Compliance and Verification

[B.1] CCP verifies the weight limits of the canister and the RH-TRU 72-B cask are within tolerance using DOE/WIPP 02-3284, *RH Packaging Operations Manual.* The TCO certifies compliance to applicable weight limits on the Packaging Transportation Certification Document (PTCD) in accordance with CCP-TP-507.

[B.2] CCP verifies the weight limits of the payload containers and the 10-160B cask are within tolerance using DOE/WIPP 06-3336, 10-160B RH Cask Program Guidance. The TCO certifies compliance to applicable weight limits in accordance with CCP-TP-507.

4.7.3 Assembly Configurations

[A] Requirements

[A.1] See the RH-TRU 72-B and/or 10-160B packaging Certificates of Compliance for assembly configuration requirements (References 7 and 8).

[B] Compliance and Verification

[B.1] Loading of waste, either direct loading or loading with drums, into RH-TRU canisters is performed in accordance with site-specific canister loading procedures.

[B.2] Loading of waste drums, into a 10-160B Cask is performed in accordance with 10-160B loading procedures.

4.7.4 Removable Surface Contamination

[A] Requirements

[A.1] Removable surface contamination on TRU waste payload containers, payload assemblies, and packagings shall not exceed 20 dpm/100 cm^2 alpha and 200 dpm/100 cm^2 beta-gamma (Reference 9, Attachment A1, Section A1-1d[2]; References 29 and 30). The fixing of surface contamination to meet these criteria is not allowed by WIPP in accordance

with best management practices for ensuring worker radiation dose is within the as low as reasonably achievable (ALARA) guidelines.

[B] Compliance and Verification

[B.1] Compliance is achieved by measurement using radiological contamination surveys. Specifically, a Host site RCT surveys RH-TRU waste canisters for removable surface contamination prior to loading into the cask. Packaging (i.e., cask) is surveyed for removable surface contamination after completion of cask loading and prior to shipment. Survey results are then compared to removable surface contamination limits to determine compliance per procedure CCP-TP-530. If removable contamination exceeds limits, surfaces may be wiped and cleaned and resurveyed to achieve compliance. Fixing of surface contamination is prohibited.

4.7.5 Identification/Labeling

[A] Requirements

[A.1] Each payload container shall be labeled with a unique payload container identification number permanently applied in a conspicuous location. The unique payload container identification number shall include a site identifier as a prefix.

[A.2] For the RH-TRU waste canisters, payload container labeling shall be as follows:

- Each canister shall be labeled with a unique payload container identification number (ID) that includes a site identifier as a prefix.
- The characters composing the canister ID number shall be approximately 2-inches high and of a color contrasting with their background.
- A minimum of three canister ID numbers shall be placed at approximately equal intervals around the circumference of the canister and within 18-inches of the top of the canister.

[A.3] Exceptions to the labeling/identification requirements may be granted upon request to and approval from the CBFO.

[A.4] The 10-160B 55-gallon payload container identification shall be in medium to low density Code 39 bar code symbology as required by ANSI, standard ANSI/AIM BC1-1995 (Reference 31) in characters at least 1-in. high and alphanumeric characters at least ½-in. high. In the case of 55-gallon drums, the labels must be placed approximately 120 degrees apart so that one label is visible once the containers are assembled into a 5-drum carriage.

[A.5] Payload containers shall be marked "Caution Radioactive Material" using a yellow and magenta label as specified in 10 CFR Part 835 (Reference 30). Those payload containers whose contents are also RCRA regulated (mixed-TRU), shall be additionally marked "Hazardous Waste" as specified in 40 CFR §262.32 (Reference 33). For TRU and TRU-mixed wastes containing PCBs, the payload containers shall be marked in accordance with 40 CFR §761.40 (References 12 and 13). Additionally, DOT Type B packages containing PCBs must be properly marked in accordance with 40 CFR §761.40 (References 12 and 13).

[A.6] If an empty 55-gallon drum is used as dunnage to complete a payload configuration in the 10-160B package, the dunnage container shall be labeled with the following information:

- Unique payload container identification number
- “EMPTY” or “DUNNAGE”

[A.7] If a five-drum carriage of only dunnage 55-gallon drums is used in the 10-160B, the containers shall be labeled only “EMPTY” or “DUNNAGE,” and the unique container identification number label is not required for these containers.

[B] Compliance and Verification

[B.1] CCP verifies canisters are labeled in accordance with CCP-TP-507 procedure. This procedure must include instructions to satisfy the following requirements:

- Each canister is labeled with a unique ID that includes a site identifier as a prefix.
- Characters composing the canister ID number on labels are approximately 2-inches high and of a color contrasting with their background.
- A minimum of three canister ID labels are placed on a canister at approximately equal intervals around the circumference of the canister and within 18-inches of the top of the canister.
- Alternate labeling of payload containers may be used only after a request to use an alternate labeling approach is submitted and approved by CBFO on a case-specific basis.

[B.2] CCP verifies payload containers are marked in accordance with CCP-TP-507 procedure. These procedures must contain instructions to ensure the following:

- All RH-TRU and TRU mixed payload containers are marked “Caution Radioactive Material” using a yellow and magenta label.
- All RH-TRU mixed waste payload containers are marked “Hazardous Waste.”
- All RH-TRU DOT Type B packages containing PCBs are marked in accordance with 40 CFR § 761.40.

[B.3] CCP verifies 10-160B 55-gallon payload containers are labeled in accordance with procedure CCP-TP-507.

4.7.6 Dunnage

[A] Requirements

[A.1] See the 10-160B packaging Certificate of Compliance for dunnage requirements (Reference 8).

To maximize the efficiency of operations at the WIPP, CCP will minimize the use of dunnage drums.

[B] Compliance and Verification

[B.1] The use of dunnage is not applicable to the RH-TRU 72-B shipping package. The minimization of the use of dunnage for the 10-160B Cask is through payload configuration. The use of dunnage drums is reviewed and approved concurrently with the review and approval of shipment assemblies by the WWIS/WDS Data Administrator on a case-by-case basis.

[B.2] CCP verifies 10-160B 55-gallon dunnage containers are labeled in accordance with procedure CCP-TP-507.

4.7.7 Filter Vents

[A] Requirements

[A.1] Each payload container and any sealed secondary or internal containers (greater than four liters in size), in the payload container shall meet the filter vent specifications of Reference 4, Section 2.5.2; Reference 7; Reference 8; Reference 9, Attachment A1, Section A1-1b[2]; and Reference 41; Section 2.4.1. These filter vents shall meet the specification of the 10-160B SAR and RH-TRAMPAC (Reference 38; Reference 41, Section 2.4.1).

The model number of each filter vent or combination of filter vents installed on a payload container shall be reported to the WWIS/WDS database (Reference 48).

[B] Compliance and Verification

[B.1] The TCO verifies the presence and model of filter(s) installed on individual payload containers in accordance with CCP-TP-507. CCP verifies any sealed secondary or internal containers (greater than

four liters in size), overpacked in the payload container shall be either vented or filtered to meet the specifications of Reference 7 or Appendix 1.3.5 of Reference 8 by VE using CCP-TP-500, *CCP Remote-Handled Waste Visual Examination,* or an evaluation of the AK record. CCP procures filters in accordance with CCP-QP-015 to specifications that comply with all applicable requirements for filter vents. Only filters identified on the listing of approved CBFO filter vent models are procured by CCP.

[B.2] The model numbers of each filter vent or combination of filter vents installed on a payload container (and internal containers, as applicable) are reported to the WWIS/WDS in accordance with procedure CCP-TP-530.

4.8 Radiological Properties

With respect to the required radiological properties identified within this Section, they can be divided into two distinct groups.

The first group includes the activities and masses of the ten WIPP-tracked radionuclides (i.e., ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs), and the TRU alpha activity concentration (i.e., >100 nCi/g of alpha-emitting TRU isotopes with half lives greater than 20 years), of the waste. Total activity will be quantified and tracked to ensure compliance with the LWA limits for RH-TRU waste including limiting activity to 23 curies per liter (Ci/l) per canister, limiting disposed RH-TRU waste to 5.1 million curies, and limiting surface dose rates of canister to 1000 roentgen equivalent man per hour (rem/hr). No more than 5 percent by volume of the RH-TRU waste received at WIPP may have a surface dose rate in excess of 100 rem/hr. Estimates of their activities and masses shall be derived from a system of controls certified by CBFO that includes AK, computations, measurements, and sampling (Reference 35). CCP RH-TRU Waste Certification Plan for 40 CFR Part 194, Compliance, provides the methods and requirements used to characterize the radiological composition of the RH-TRU waste.

The second group includes the remaining radionuclides contributing to the FGE, the PE-Ci, and the decay heat of the payload container. This set of radiological data is regulated both by the NRC as specified in the RH transportation documentation (References 7 and 8), and the CBFO as required by the WIPP DSA (Reference 4). PE-Ci quantities shall be calculated for each payload container in accordance with Appendix 5. Any method that complies with the Certificate of Compliance may be used to quantify the remaining radiological properties at the discretion of the shipping facility.

However, the resulting data (e.g., AK from Safeguards and Security data), the source and method from which the data was generated, and the basis for the reliability of the data shall be submitted to and approved by CBFO prior to use.

4.8.1 Radionuclide Composition

[A] Requirements

[A.1] RH-TRU waste received at the WIPP shall not exceed 23 curies per liter maximum activity level (averaged over the volume of the canister) (Reference 2, Section 7).

[A.2] Contents of the 10-160B may include fissile material contaminants provided the mass limits of the 10 CFR 71.15 are not exceeded and the plutonium content does not exceed 0.74 tera-bequerel (20 curies) (Reference 8). The quantity of radioactive material must not exceed 3,000 times the Type A quantity (Reference 8).

[A.3] The activities and masses of ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs shall be established on a payload container basis for purposes of tracking their contributions to the total WIPP radionuclide inventory (Reference 35). The estimated activities and masses, including their associated TMU expressed in terms of one standard deviation, for these ten radionuclides shall be reported to the WWIS/WDS on a payload container basis. For any of these ten radionuclides whose presence can be substantiated from AK, direct measurement, computations, or a combination thereof, and for which measured data are determined to be below the LLD for that radionuclide, the site shall report the character string "< LLD" to the WWIS/WDS for the activity and mass of that radionuclide; otherwise a value of zero shall be reported (Reference 17, Section 2.4.6).

[A.4] In addition, all radionuclides other than the ten WIPP-tracked radionuclides (i.e., ^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs), that contribute to 95 percent of the radioactive hazard for the payload container shall be reported on the RH-TRU 72-B or 10-160B bill of lading or manifest. The activities and masses of these other

radioisotopes shall also be reported to the WWIS/WDS along with their associated TMU, expressed in terms of one standard deviation, for each waste container (Reference 35).

[B] Compliance and Verification

[B.1] CCP determines the radionuclide composition and quantity through a combination of AK and established radionuclide measurement methods (e.g., CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*). The radionuclide measurement methods that may be used are described in greater detail in Appendix 11. Radionuclide measurement is either performed directly on the payload container or on all of the smaller waste containers composing the payload container. If radionuclide measurement is not performed directly on the payload container itself, then, the measurement values (and uncertainties) for the payload container are calculated from the associated measurement results for all of the smaller containers composing the payload container.

CCP uses radionuclide measurement results to calculate and quantitate the total activity averaged over the volume of the payload container in the RH-TRU 72-B Cask to determine compliance with the 23 Ci/l limit.

CCP uses radionuclide measurement results to quantitate the activity and masses of the ten WIPP-tracked radionuclides and all other radionuclides that contribute to 95 percent of the radioactive hazard in a payload container. The activities and masses of these radionuclides, including their associated TMU (expressed in terms of one standard deviation), are reported to the WWIS/WDS on a payload container basis per procedure CCP-TP-530 and are reported on the Bill of Lading or UHWM. For any of the ten WIPP-tracked radionuclides that are measured below the LLD and whose presence can be substantiated from AK, direct measurement, computations, or a combination thereof, are reported as “< LLD” for its activity and mass to the WWIS/WDS.

[B.2] The contents of the 10-160B may include fissile material contaminants provided the mass limits of the 10 CFR 71.15 are not exceeded and the plutonium content does not exceed 0.74 tera-bequerel (20 curies) (Reference 8). The quantity of radioactive material must not exceed 3,000 times the Type A quantity (Reference 8). Compliance to these requirements are accomplished and verified through procedures CCP-TP-507 and 10-160B loading procedures.

4.8.2 ^{239}Pu Fissile Gram Equivalent/^{235}U Fissile Equivalent Mass (FEM)

[A] Requirements

[A.1] Each canister must comply with the limits in either Table 4 or Table 6. For a canister, either the sum of the ^{239}Pu FGE plus two times its associated TMU, expressed as one standard deviation, shall comply with the applicable limits in Table 4 or the ^{235}U Fissile Equivalent Mass (FEM) weight percentage plus two times is associated TMU, with TMU expressed in terms of one standard deviation, shall comply with the applicable limit in Table 6 (Reference 7).

[A.2] See the 10-160B packaging Certificates of Compliance for applicable ^{239}Pu FGE requirements (Reference 8 and Table 5 for associated drum requirements).

[A.3] The values calculated for the ^{239}Pu FGE or ^{235}U FEM and their associated TMUs (expressed in terms of one standard deviation) shall be reported to the WWIS/WDS for each payload container.

Table 4. ^{239}Pu FGE Limits for a Canister Shipped in an RH-TRU 72-B Package

Payload Contents	^{239}Pu FGE Limit (Removable/Welded Lid Canister)	^{239}Pu FGE Limit (Neutron Shielded Canister)
Non-Machine-Compacted Waste		
Be/BeO limited to ≤ 1 percent by weight of the waste	≤ 315	≤ 245
Be/BeO limited to ≤ 1 percent by weight of the waste including credit taken for ≥ 5g of ^{240} Pu Poisoning[1]	≤ 325	≤ 245
Be/BeO limited to ≤ 1 percent by weight of the waste including credit taken for ≥ 15g of ^{240}Pu Poisioning[1]	≤ 350	≤ 245
Be/BeO limited to ≤ 1 percent by weight of the waste including credit taken for ≥ 25g of ^{240}Pu Poisioning[1]	≤ 370	≤ 245
Be/BeO > 1 percent by weight of the waste and is chemically or mechanically bound	≤ 305	Unauthorized
Be/BeO > 1 percent by weight of the waste and is not chemically or mechanically bound	≤ 100	Unauthorized
Machine-Compacted Waste		
Be/BeO limited to ≤ 1 percent by weight of the waste	≤ 245	≤ 245
Be/BeO > 1 percent by weight of the waste	Unauthorized	Unauthorized

[1]The minimum ^{240} Pu content for the RH-TRU waste canister shall be determined after the subtraction of two times the error.

Table 5. ^{239}Pu FGE Limits for Drums Shipped in a 10-160B Package

Payload Contents	^{239}Pu FGE Limit
Non-Machine-Compacted Waste	
55-gallon drum (Be/BeO limited to ≤ 1 percent by weight of the waste)	≤ 200 g
55-gallon drum (Be/BeO > 1 percent by weight of the waste)	≤100 g
Machine-Compacted Waste	
55-gallon drum (Be/BeO limited to ≤1 percent of the weight of the waste)	≤ 170 g
55-gallon drum (Be/BeO limited ≤ 1 percent of the weight of the waste). 1.0-in. design spacing must be maintained between drum content and exterior top and bottom	≤ 200 g

Table 6. ^{235}U FEM Limit for a Canister Shipped in an RH-TRU 72-B Package

Payload Contents	Weight % ^{235}U FEM (Removable/Welded Lid Canister)	Weight % ^{235}U FEM (Neutron Shielded Canister)
Non-machine compacted homogenous solid/sludge with a particle size characteristic dimension of 1 in. or less that is primarily uranium (in terms of heavy metal component) with waste matrix distributed to not exceed enrichment limit (Reference 41).	≤ 0.96	Not Applicable

[B] Compliance and Verification

[B.1] CCP determines the quantity of fissile material in a payload container using established radionuclide measurement methods performed on the contents of the payload container as described in Appendix 11. Radionuclide measurement results are used to calculate the ^{239}PuFGE and associated uncertainty (expressed as one standard deviation) for a payload container.

[B.2] CCP determines the presence and quantity of beryllium on a waste stream basis by AK and is documented in the associated waste stream AK Summary Report. AK documentation is collected, evaluated and reported in accordance with CCP-TP- 005 and is summarized on a waste stream basis in AK Summary Reports.

[B.3] CCP compares the measured/calculated FGE plus two times uncertainty for a payload container and cask to the applicable FGE limits based on beryllium content.

[B.4] CCP reports the values calculated for the FGE and its associated uncertainty for each payload container to the WWIS/WDS as two separate items in accordance with CCP-TP-530.

4.8.3 TRU Alpha Activity Concentration

[A] Requirements

[A.1] TRU waste payload containers shall contain more than 100 nCi/g of alpha-emitting TRU isotopes with half-lives greater than 20 years (Reference 2, Section 2 [18]). Without taking into consideration the TMU, the TRU alpha activity concentration for a payload container is determined by dividing the TRU alpha activity of the waste by the weight of the waste.

The TRU alpha activity concentration shall be reported to the WWIS/WDS (Reference 35, Chapter 4; Reference 17, Section 2.4.5).

[B] Compliance and Verification

[B.1] CCP uses established radionuclide measurement methods (see Appendix 11) to quantitate the amount of alpha-emitting TRU isotopes with half-lives greater than 20 years (i.e., TRU alpha activity) in the waste contents of payload containers. Calibrated scales are used to determine the weight of waste material in payload containers (i.e., determine the net weight). The TRU alpha activity concentration is calculated by dividing the measured TRU alpha activity (without uncertainty) in a payload container by its net weight. Calculations are performed either manually or with the use of validated computational algorithms. If containers (e.g., 55-gallon or 30-gallon drums) are loaded into a canister, the TRU alpha activity concentration for the canister is determined by dividing the summation of the individual TRU alpha activity values of the individual waste containers by the summation of the individual net weights. Methods used to determine the TRU alpha activity

concentration have a lower limit of detection of 100 nCi/g or less.

The TRU alpha activity concentration for a payload container is reported to the WWIS/WDS in accordance with CCP-TP-530.

4.8.4 ^{239}Pu Equivalent Activity

[A] Requirements

[A.1] PE-Ci limits are shown in Table 7.

[A.2] PE-Ci quantities shall be calculated for each payload container (see Appendix B), and reported to WIPP using the WWIS/WDS (Reference 4, Section 3.3.2.3.1 and Table 3.3-6). There are no reporting requirements for the associated TMU (Reference 44).

Table 7. PE-Ci Limits

Payload Container	Packing Configuration	PE-Ci Limit
RH TRU Waste Canister	All approved waste forms other than solidified/vitrified waste	≤ 240
55-Gallon Drum (shipped in a 10-160B)		≤ 80
RH TRU Waste Canister 55-Gallon Drum (shipped in a 10-160B)	Solidified/vitrified waste	≤ 1,800

[B] Compliance and Verification

[B.1] CCP uses established radionuclide measurement methods (see Appendix 11) to quantitate the amount of radioactive material in payload containers. The measurement results are used to calculate the PE-Ci for each payload container as specified in Appendix 5. CCP compares the calculated PE-Ci (without uncertainty) value to the applicable PE-Ci limits for a payload container, assembly or drum to determine compliance with applicable limits.

CCP reports the calculated PE-Ci quantities for each payload container to WIPP using the WWIS/WDS in accordance with CCP-TP-530.

4.8.5 Radiation Dose Equivalent Rate

[A] Requirements

[A.1] The external surface radiation dose equivalent rate of individual containers must be ≥ 200 mrem/hr and ≤ 1,000 rem/hr (Reference 2, Sections 2 and 7).

[A.2] Total dose equivalent rate and the neutron contribution to the total dose equivalent rate shall be reported for each payload container in the WWIS/WDS (Reference 2, Section 16 and Reference 17, Section 2.4.4).

[A.3] See the RH-TRU 72-B and/or 10-160B packaging Certificates of Compliance for applicable radiation dose equivalent rate requirements (References 7 and 8).

[B] Compliance and Verification

[B.1] CCP using Host site personnel or records, measure container dose equivalent rates in accordance with site radiological survey procedures. The measurements are compared to applicable radiation dose equivalent rate limits and restrictions to determine compliance. The total dose equivalent rate and the neutron contribution to the total dose equivalent rate for each payload container are reported to the WWIS/WDS in accordance with CCP-TP-530.

4.8.6 Decay Heat

[A] Requirements

[A.1] See the RH-TRU 72-B and/or 10-160B packaging Certificates of Compliance for applicable decay heat requirements (References 7 and 8).

[B] Compliance and Verification

[B.1] CCP uses established radionuclide measurement methods (see Appendix 11) to quantitate the activity and mass of the radionuclides contained within the payload container. The measurement results are used to calculate the total decay heat (and TMU) for each payload container and payload assembly.

CCP compares the calculated decay heat value plus TMU (expressed in terms of one standard deviation) to the applicable decay heat limit for a payload container and payload assembly, as applicable, to determine compliance.

CCP reports the calculated decay heat values and associated TMU (expressed in terms of one standard deviation) for each payload container to WIPP using the WWIS/WDS in accordance with CCP-TP-530.

4.9 Physical Properties

4.9.1 Observable Liquid

[A] Requirements

[A.1] Liquid waste is not acceptable at the WIPP. Observable liquid containing PCBs is prohibited at the WIPP. Liquid in the quantities delineated below is acceptable.

- Observable liquid shall be less than 1 percent[1] by volume of the outermost container at the time of radiography or visual examination (Reference 9).
- Internal containers with more than 60 ml or 3 percent by volume observable liquid, whichever is greater, are prohibited.
- Containers with Hazardous Waste Number U134 assigned shall have no observable liquid.

[1]The limit of “less than 1 percent” is taken from the RH-TRAMPAC and is more restrictive than the limit of “no more than 1 percent” in the HWFP.

- Overpacking the outermost container that was examined during radiography or visual examination or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits.

For sites that use VE, the detection of any liquid in non-transparent internal containers, detected from shaking the internal container, will be handled by assuming that the internal container is filled with liquid and adding this volume to the total liquid in the container being characterized using VE (Reference 9, Part 2, Section 2.3.3.1; Reference 9, Attachment C, Sections C-1c and C-3b; Reference 41, Section 2.5.1; Reference 35; Reference 12, Conditions of Approval, II.A.2).

[B] Compliance and Verification

CCP initially uses AK to determine container contents. AK documentation is collected and compiled in accordance with DOE/WIPP-02-3214 and/or CCP-TP-005. Personnel estimate liquid volume by AK, radiography or VE of the waste. Personnel reject payload containers found to exceed the criteria in 4.9.1[A.1].

4.9.2 Sealed Containers

[A] Requirements

[A.1] Sealed containers that are greater than four liters (nominal), are prohibited except for metal containers packaging solid inorganic waste: this packaging configuration does not generate flammable gas (Reference 41, Section 2.7.1).

[B] Compliance and Verification

[B.1] CCP achieves compliance through AK, radiography or VE of the waste contents of payload containers. VE is performed in accordance with procedure CCP-TP-500 and radiography is performed in accordance with procedure CCP-TP-508, *CCP RH Standard Real-Time Radiography Inspection Procedure*. Unvented rigid containers greater than four liters in volume are identified and controlled by an

NCR in accordance with CCP-QP-005 and dispositioned appropriately.

4.9.3 Physical Form

[A] Requirements

[A.1] Debris waste (S5000), shall be reported in WWIS/WDS as plastic using the volume of the waste container multiplied by 620 kg/cubic meters (m^3), up to the net weight of the waste. Soils and gravel (S4000) shall be reported to WWIS/WDS as the net weight of the waste with the waste material parameter type of "soil." Homogeneous solids (S3000) shall be reported to the WWIS/WDS as the net weight of the waste with the waste material parameter type appropriate to the waste. Debris included in containers of S3000 or S4000 waste shall be reported to WWIS/WDS as plastic with an estimated weight. Plastic packaging will also be reported to WWIS/WDS (as packaging), (Reference 17, Section 2.4.3).

[B] Compliance and Verification

[B.1] CCP using CCP-TP-530, reports the data to WWIS/WDS as follows: Debris waste (S5000), as plastic using the volume of the waste container multiplied by 620 kg/m^3, up to the net weight of the waste. If the net weight of the waste is greater than the calculated plastic, the excess is assigned to the material parameters by the percentages described in the AK Report. Soils and gravel (S4000), as the net weight of the waste with the waste material parameter type of "soil." Homogenous solids (S3000), as the net weight of the waste with the waste material parameter type appropriate to the waste. Debris included in containers of S3000 or S4000 waste shall be reported to WWIS/WDS as plastic with an estimated weight. Plastic packaging will also be reported to WWIS/WDS (as packaging).

4.10 Chemical Properties

4.10.1 Pyrophoric Materials

[A] Requirements

[A.1] Radioactive pyrophoric materials shall be limited to residual amounts (<1 percent by weight), in payload containers and shall be generally dispersed in the waste. Radioactive pyrophorics in concentrations ≥1 percent by weight and all nonradioactive pyrophorics shall be reacted (or oxidized), and rendered nonreactive prior to placement in the payload container (Reference 41, Section 4.4.1). Nonradionuclide pyrophoric materials are not acceptable at WIPP (Reference 4, Section 11.4.1; Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Section 2.3.3.2.

[B] Compliance and Verification

[B.1] CCP demonstrates compliance through acceptable knowledge documentation. Radiography and VE will be used, when necessary, to examine a waste container to verify its physical form. Specifically, AK is used to demonstrate that nonradionuclide pyrophoric materials are not present in a waste stream and that pyrophoric radioactive materials are limited to residual amounts. Waste streams for which AK documentation indicates the possible presence of radioactive pyrophorics in concentrations greater than or equal to 1 percent by weight are reacted (or oxidized), and rendered nonreactive. AK documentation is collected and compiled in accordance with DOE/WIPP-02-3214 and CCP-TP-005 and is summarized on a waste stream basis in AK Summary Reports.

4.10.2 Hazardous Waste

[A] Requirements

[A.1] Hazardous wastes not occurring as co-contaminants with TRU wastes (non-mixed hazardous wastes), are not acceptable at WIPP. Each RH-TRU mixed waste container shall be assigned one or more hazardous waste numbers as appropriate. Only EPA hazardous waste numbers listed as allowable in the Hazardous Waste Facility Permit may be managed at WIPP. Some of the waste may also be identified by unique state hazardous waste codes. These wastes are acceptable at WIPP as long as the TSDF waste acceptance criteria are met (Reference 9, Attachment C, Section C-1b; Reference 9, Part 2, Sections 2.3.3.3 and 2.3.4). Wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003), are not acceptable at WIPP (Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Sections 2.3.3.7 and 2.3.4).

[B] Compliance and Verification

[B.1] CCP assigns EPA hazardous waste numbers to waste streams based on AK. AK is the basis for demonstrating compliance that hazardous waste, if present in TRU waste, occurs only as co-contaminants with the TRU waste. A more detailed description of the AK process used to assign EPA hazardous waste numbers to a waste stream is presented in the QAPjP. AK documentation is compiled, evaluated and reported in accordance with DOE/WIPP-02-3214 and CCP-TP-005 and is summarized by waste stream in an AK Summary Report.

4.10.3 Chemical Compatibility

[A] Requirements

[A.1] TRU waste containing incompatible materials or materials incompatible with payload container and packaging materials, shipping container materials, other wastes, repository backfill, or seal and panel closure materials are not acceptable for transport in

the RH-TRU 72-B or 10-160B packages or for disposal at the WIPP. Chemical constituents shall conform to the lists of allowable materials in the RH-TRU 72-B RH-TRAMPAC and Appendix 4.10.2 of the 10-160B SAR (References 41 and 38).

[A.2] The total quantity of the trace chemicals/materials (materials that occur in the waste in quantities less than 1 percent [weight]), not listed in Table 4.3-1, in the payload container is restricted to less than 5 percent weight (Reference 41). Chemical constituents in a payload of a particular waste-specific content code shall conform to the allowable chemical list for that content code. The content code must be reported to the WWIS/WDS for each payload container (References 7 and 8).

[B] Compliance and Verification

[B.1] Personnel ensure compliance with the chemical compatibility requirements based on AK. The WCO confirms compliance with the chemical compatibility criteria in accordance with CCP-TP-530. If necessary, personnel repackage waste containers not meeting the chemical compatibility requirement.

4.10.4 Explosives, Corrosives, and Compressed Gases

[A] Requirements

[A.1] Waste shall contain no explosives, corrosives, or compressed gases (pressurized containers), (Reference 9, Attachment C, Section C-1c; Reference 9, Part 2, Sections 2.3.3.5 and 2.3.3.7; Reference 41, Section 4.2.1).

[B] Compliance and Verification

[B.1] CCP assesses compliance through acceptable knowledge documentation. Specifically, AK is used to determine if explosives, corrosives, and/or compressed gases may be present in a waste stream. Radiography and VE will be used, when necessary, to examine a waste container to verify its physical form. AK documentation is collected and compiled in accordance with procedure CCP-TP-005 and is

summarized on a waste stream basis in AK Summary Reports.

4.10.5 Headspace Gas Concentrations

[A] Requirements

[A.1] The headspace gas of payload containers shall meet the requirements of the TRAMPAC (if shipping in RH-TRU 72-B packaging), or Appendix 4.10.2 (if shipping in the 10-160B packaging) (References 9, 41, and 38 respectively).

[B] Compliance and Verification

[B.1] CCP demonstrates compliance through the following methods:

- AK that demonstrates that the concentration of flammable VOCs in the headspace of waste containers of a waste stream is less than 500 parts per million (ppm).

AK documentation is collected, evaluated and reported in accordance with DOE/WIPP-02-3214 and CCP-TP-005 and is summarized on a waste stream basis in AK Summary Reports. Headspace gas sampling is performed in accordance with approved procedures.

4.10.6 Polychlorinated Biphenyls (PCBs)

[A] Requirements

[A.1] For TRU and TRU-mixed wastes containing PCBs meeting the conditions of approval in Reference 12, the payload container data entered into the WWIS/WDS shall include the earliest date of waste generation (i.e., the date of removal from service for disposal), the date of waste certification for disposal, and the date the waste was sent to the WIPP for disposal (Reference 12, Section III.D.4). Additionally, the estimated weight of the PCBs in kilograms (as recorded on the UHWM) and a description of the type of PCB waste (e.g., PCB remediation waste, PCB bulk product waste, etc.), shall be entered into the WWIS/WDS (Reference 13, §761.207(a)(2) and

§761.180). Hanford, Idaho National Laboratory, Savannah River Site, Oak Ridge Reservation, Knolls Atomic Power Laboratory, and Los Alamos National Laboratory are authorized to ship their TRU and TRU-mixed wastes containing PCBs to WIPP (References 14 and 15).

[B] Compliance and Verification

[B.1] CCP uses AK (which may include results of sampling and analysis) to identify waste streams that may contain PCBs. For waste streams that are identified as PCB contaminated, the AK record also includes a description of the type of PCB waste present (e.g., PCB remediation waste, PCB bulk product waste). AK documentation is collected, evaluated and reported in accordance with DOE/WIPP-02-3214 and CCP-TP-005 and is summarized on a waste stream basis in AK Summary Reports. Special information identified below is entered into the WWIS/WDS for each affected payload container in accordance with procedure CCP-TP-530.

1. Date of removal from service.
2. Date of waste certification for disposal.
3. Date the waste was sent to the WIPP for disposal.
4. The estimated weight of the PCBs in kilograms.
5. Description of the type of PCB waste.

CCP only certifies and ships PCB contaminated TRU waste from sites with an approved EPA PCB waste disposal authorization.

4.11 Data Package Contents

4.11.1 Characterization and Certification Data

[A] Requirements

[A.1] Sites shall prepare a WSPF for each waste stream. Each WSPF shall be approved by the Permittees prior to the first shipment of that waste stream.

Characterization and certification information for each payload container shall be submitted to the WWIS/WDS and approved by the Data Administrator. Any payload container from a waste stream that has not been preceded by an appropriate certified WSPF is not acceptable at WIPP (Reference 9, Part 2, Section 2.3.3.10).

[A.2] See the WCPIP (Reference 17) for additional characterization and certification data requirements.

[B] Compliance and Verification

[B.1] CCP prepares and submits WSPFs to the Permittees for review and approval per the instructions given in procedure CCP-TP-002. Characterization data for each payload container used to prepare the WSPF and the Characterization Reconciliation Report is submitted to the WWIS/WDS in accordance with procedure CCP-TP-530. CPR weights are estimated and input into the WWIS/WDS as described in Section 4.5.

4.11.2 Shipping Data

[A] Requirements

[A.1] Sites shall prepare either a bill of lading or a UHWM for RH TRU waste shipments as required by the transportation requirements. The land disposal restriction notification for RH TRU mixed waste shipments shall state that the waste is not prohibited from land disposal (Reference 9, Attachment C, Section C-5b(2); Reference 41).

[B] Compliance and Verification

[B.1] CCP prepares and completes the UHWM and/or Bill of Lading in accordance with CCP-TP-507. The Land Disposal Restriction Exemption Notification is completed for mixed waste shipments in accordance with procedure CCP-TP-507 and states that the waste is not prohibited from land disposal.

5.0 QUALITY ASSURANCE PLAN

The CBFO QAPD establishes QA program requirements for the programs, projects, and activities sponsored by CBFO. The NWP QAPD describes how NWP applies the QA program requirements of the CBFO QAPD to NWP activities, including CCP. This QA plan describes and implements the NWP QAPD requirements for the CCP. It is based on the NWP QAPD as it applies to the characterization, certification, and transportation of TRU waste as performed by CCP, and therefore incorporates the applicable requirements from the regulatory and commitment QA program source documents identified in the CBFO QAPD. This QA plan also fulfills the requirements for a transportation QA plan as required in 10 CFR Part 71, Subpart H. The scope of the integrated Quality Assurance Program Requirements for Nuclear Facilities (NQA)-1 Program is to ensure that all items and activities that are important to the safe containment of TRU Waste in the WIPP are in compliance with Program objectives. Applicable criteria are also identified in the individual element descriptions contained in this QA Plan.

The QA program is developed and maintained through an ongoing process that selectively applies QA criteria as appropriate to the function or work activity being performed. The organization of this QA Plan is generally based on the CBFO QAPD elements.

The QA program is implemented in accordance with a set of Quality Procedures that are applicable to all CCP activities, independent of the location where these activities are performed. The QA program also includes Technical Procedures and other documentation, some of which are site-specific and some of which are applicable across CCP. Implementing Technical Procedures are listed in the tables in Appendix 4.

QA program document references are included, as applicable, in each of the individual QA element descriptions throughout this QA Plan.

5.1 Organization and Quality Assurance Program

(Applicable Criteria: 10 CFR 830.122 Criterion 1
40 CFR 194.22(a)(2)(i)
ASME NQA-1-1989, Criterion 1
DOE O 414.1 Criterion 1
CBFO QAPD, Section 1.1
NWP QAPD, Section 1.1)

This QA program applies to items and activities affecting waste characterization, certification, and transportation by the CCP. The QA program elements are integrated into CCP items and activities through reviews, assessments, inspections, and approval and control of records and documents. The CCP has identified the Program Manager, the

Certification Program Manager, SPM, Assurance Programs Manager, TCO, and WCO as being responsible for ensuring QA within CCP. The responsibilities of each of these positions, as well as other personnel involved with TRU waste characterization and certification, are summarized in this Plan (Section 2.1).

Figure 1-1 (see Section 1.0) illustrates the hierarchy and interrelationships of QA documents governing the QA program. Quality management documents are audited and/or assessed to ensure they meet CCP requirements.

Personnel plan certification activities and document the planning process. Planning documentation is subject to review by subject matter experts (SMEs). CCP planning documentation consists of this Plan, the WIPP WAP, the WAC, the QAPjP, the CH-TRAMPAC, RH-TRAMPAC, the GGT QAPjP, implementing procedures, QA plans, training plans, and facility and certification process designs.

5.1.1 Organization

(Applicable criteria: 10 CFR Part 830.122 Criterion 1
DOE O 414.1 Criterion 1
ASME NQA-1-1989, Criterion 1
CBFO QAPD Section 1.1.1
NWP QAPD, Section 1.1)

The organization structure, functional responsibilities, levels of authority, and lines of communication for activities affecting quality are documented in this Plan, and CCP implementing procedures. Specific duties and responsibilities assigned to CCP management are summarized in the Plan, Section 2.1.1, and in CCP-PO-001.

The QA organization is responsible for ensuring the implementation of the QA program and verifying that activities affecting quality have been correctly performed. They have sufficient authority, access to work areas, and organizational freedom to identify quality problems; initiate, recommend, or provide solutions to quality problems; verify implementation of solutions; and ensure that further processing, delivery, installation, or use is controlled until proper disposition of nonconformances, deficiencies, or unsatisfactory conditions has occurred. QA personnel have direct access to responsible management at a level where appropriate action can be effected. They report to a management level such that required authority and organizational freedom are provided, including sufficient independence from cost and schedule considerations. Specific duties and responsibilities assigned to QA are summarized in the Plan, Section 2.1.4, and in CCP-PO-001.

The organizational structure of CCP, and the assignment of responsibilities, is based on the following QA principles, such that:

- Quality is achieved and maintained by those who have been assigned responsibility for performing work.
- Quality achievement is verified by personnel or organizations that are not directly responsible for performing the work.
- The individuals or organizations responsible for establishing and executing the QA program may delegate any or all of the work, but shall retain responsibility therefore.
- Responsibility for the control of further processing, delivery, installation, or operation of nonconforming items shall be designated in writing.
- When more than one organization is involved in the execution of activities covered by this document, the responsibility and authority of each organization shall be clearly established and documented.
- The external interfaces between organizations and the internal interfaces between organizational units, and changes thereto, shall be documented.
- Interface responsibilities shall be defined and documented.

All personnel involved with TRU waste certification and packaging are responsible for achieving and maintaining the quality of their activities and products. All personnel are responsible for promptly reporting existing, developing, or potential conditions adverse to quality to responsible management for evaluation and action. Management personnel are responsible for achieving and maintaining quality in the work activities under their control.

[A] Communication and Interface Responsibilities

(Applicable Criteria: CBFO QAPD Section 1.1.1.4
NWP QAPD, Section 1.1.10 and 1.1.11)

CCP management communicates to all levels of the organization timely information pertinent to quality performance, including status of the quality program, status and resolution of significant quality problems, lessons learned, quality management practices and improvements, and trend analysis results.

The responsibility and authority of the CCP and each participating organization are clearly established and documented in an interface document for each site. The external interfaces between CCP participant organizations, the internal interfaces between organizational units, and interface changes are documented. Interface responsibilities are defined and documented and include the requirements for management, performance, and assessment. Interfaces between CCP and the waste generating sites are detailed in project-level Interface Agreement documents specifically written for each site. Interfaces between CCP and NWP support organizations are defined in CCP implementing procedures.

[B] Reports to Management

(*Applicable Criteria: CBFO QAPD Appendix E, Section 8*
NWP QAPD, Section 1.1.8)

QA provides the QA interface between facilities and the CCP Certification Manager and SPM. QA oversees the NCR/CAR process for CCP related deficiencies and coordinates with the CCP Certification Manager and SPM to track and notify the appropriate personnel of nonconformances, and verify corrective action completion in accordance with CCP-QP-005. QA at project sites report the results of their surveillance assessments to the Assurance Programs Manager, and together they track assessment results and corrective actions. QA prepares and transmits a semi-annual QA report to the CCP Certification Manager and the DOE.

[C] Delegation of Work

(Applicable Criteria: CBFO QAPD Section 1.1.1.5
NWP QAPD, Section 1.1.6)

Management empowers employees by delegating authority and decision making to the lowest appropriate level in the organization. If work is delegated, the individual making the delegation retains responsibility for the delegated work. QA is responsible for determining the effectiveness of the QA program, which is accomplished through internal reporting procedures, audits, and assessments.

[D] Resolution of Disputes

(Applicable Criteria: CBFO QAPD Section 1.1.1.6
NWP QAPD, Section 1.1.7)

Disputes related to QA program requirements will be resolved by QA and cognizant personnel. If not resolved, the issues will be elevated progressively to successively higher levels of management as necessary.

[E] QA Management

(Applicable Criteria: CBFO QAPD, Section 1.1.3.A
NWP QAPD, Section 1.1.5)

QA Management shall:

[E.1] Schedule and conduct QA assessments.

[E.2] Maintain liaison with participant QA organizations and other affected organizations.

[E.3] Ensure preparation, review, and issuance of QA plans and procedures that implement the provisions of the NWP QAPD.

[E.4] Review and approve supplier and subcontractor QA plans.

[E.5] Track or perform trend analysis of quality problems, and report quality problem areas.

[E.6] Provide for the administrative processing of documentation of concerning conditions adverse to quality.

[E.7] Have direct access to responsible management at a level where appropriate action can be effected.

[E.8] Be sufficiently independent from cost and schedule considerations.

[E.9] Have the organizational freedom to communicate with management.

[E.10] Have no assigned responsibilities unrelated to the QA program that would prevent appropriate attention to QA matters.

[E.11] Develop, establish, and interpret QA policy and ensure effective implementation.

[E.12] Interface, as appropriate, with the CBFO staff, participants, and other stakeholders on QA matters.

[E.13] Assist subordinate organizations with quality planning, documentation, quality measurement, and problem identification and resolution.

[E.14] Provide guidance to all applicable subordinate organizations concerning identification, control, and protection of QA records.

[F] The QA organization shall have sufficient authority, access to work areas, and organizational freedom to:

(Applicable Criteria: CBFO QAPD, Section 1.1.1.3.B
NWP QAPD, Section 1.1.5)

[F.1] Identify quality problems.

[F.2] Recommend solutions.

[F.3] Verify implementation of solutions.

[F.4] Ensure that unsatisfactory conditions are controlled until proper disposition has occurred.

5.1.2 Implementation of the QA Program

(Applicable criteria: 40 CFR 194.22(a)(1)
ASME NQA-1-1989, Criterion 2
CBFO QAPD Section 1.1.2
NWP QAPD, Section 1.1.8)

The QA program is planned, implemented, and maintained in accordance with the requirements found in the CBFO QAPD, NWP QAPD, American Society of Mechanical Engineers (ASME) NQA-1-1989, 40 CFR § 194.22, and 10 CFR § 830.122. The QA program identifies the activities and items to which it applies, and provides control over activities affecting quality to an extent consistent with their importance. The QA program has been implemented during the process of program development, start-up, and operation.

The QA program provides for the planning and accomplishment of activities affecting quality under suitable controlled conditions.

Controlled conditions include the use of appropriate equipment, suitable environmental conditions for performing waste characterization and transportation activities, and assurance that prerequisites have been satisfied. This program also provides for special controls, processes, test equipment, tools, and skills to attain the required quality and for verification of quality.

[A] Grading Items and Activities and Applying Management Controls

(Applicable Criteria: CBFO QAPD Section 1.1.2.3
NWP QAPD, Section 1.1.8.2)

The graded approach to application of QA controls is used by the CCP to determine the importance of the item or activity with respect to the CCP mission, regulatory requirements, hazards, and life-cycle of the item or activity. Management controls are applied commensurate with the determined importance of the item or activity. The CCP uses the graded approach in accordance with CCP-QP-001, *CCP Graded Approach*, to comply with CBFO QAPD and NWP QAPD requirements for grading items and activities and applying management controls. Revisions to CCP-QP-001 are submitted to CBFO for approval prior to implementation.

[B] Work Planning

(Applicable Criteria: CBFO QAPD Section 1.1.2.4
NWP QAPD, Section 1.1.12)

CCP performs and documents planning to ensure that work is accomplished under suitably controlled conditions. CCP implements planning in accordance with CCP-QP-010, *CCP Document Preparation, Approval and Control,* and CCP-QP-026*, CCP Inspection Control*. As appropriate, planning elements include:

[B.1] Definition of work scope, objectives, and a listing of the primary tasks involved.

[B.2] Identification of scientific approaches or technical methods used to collect, analyze or study results of applicable work.

[B.3] Identification of field and testing standards and quality criteria.

[B.4] Identification of applicable implementation documents; appropriate nationally recognized standards will be used whenever possible.

[B.5] Identification of field and testing equipment or other equipment.

[B.6] Identification of, or provisions for the identification of, required records and the recording of objective evidence of the results of the work performed.

[B.7] Identification of prerequisites, special controls, specific environmental conditions, processes, or skills.

[B.8] Identification of computer software.

[C] Peer Review

(Applicable criteria: CBFO QAPD Section 1.1.2.5
NWP QAPD, Section 1.1.12)

When peer reviews are required, they are accomplished in accordance with CCP-TP-511, *CCP Peer Review*.

5.2 Personnel Qualification and Training

(Applicable criteria: 10 CFR 830.122 Criterion 2
ASME NQA-1-1989, Criterion 2
DOE O 414.1 Criterion 2
CBFO QAPD Section 1.2
NWP QAPD, Section 1.2)

The QA program provides for training and qualification, as necessary, of personnel performing activities affecting quality to ensure that suitable proficiency is achieved and maintained. Personnel performing work in support of CCP receive QA training and are qualified to ensure that proficiency is achieved and maintained in the performance of their assigned tasks. Records documenting qualifications and completed training programs are maintained and controlled. Training and qualification are performed in accordance with CCP-QP-002, *CCP Training and Qualification Plan* and CCP-QP-040, *Support Training.*

5.2.1 Qualification Requirements

(*Applicable criteria: CBFO QAPD Section 1.2.1*
NWP QAPD, Section 1.2.1)

The CCP Certification Manager and Training determine qualification standards for each job category relevant to the CCP and ensure that qualifications of personnel, including minimum education and experience, have been verified. Personnel maintain minimum qualifications in accordance with CCP-QP-002. The CCP Certification Manager determines which positions relevant to the CCP require minimum qualifications. The period of effectiveness for qualification associated with special processes and operations that require special skills and the requalification criteria are specified or referenced in CCP-QP-002. The CCP Certification Manager ensures that auditable records documenting personnel qualifications are maintained as described in CCP-QP-008, *CCP Records Management*. Records of qualified personnel, their areas of qualification, and qualification periods (as appropriate) are retained in the records files.

5.2.2 Training Requirements

(Applicable criteria: CBFO QAPD Section 1.2.2
NWP QAPD, Section 1.2.2)

The CCP Certification Manager and Training ensure that personnel receive indoctrination and training on the scope, purpose, and objectives and the specific QAOs of the tasks being performed. Personnel performing activities affecting quality are trained according to the training plan to ensure they achieve and maintain proficiency. Personnel receive initial and continuing training requisite with their activities and level of responsibility, as described in CCP-QP-002.

Training is designed, developed, conducted, and evaluated in accordance with requirements described in CCP-QP-002. Training programs may include classroom instruction; practical hands-on experience; supervised on-the-job training (OJT); self-paced individual study; and written, oral, or practical demonstration of worker competence. The CCP Certification Manager analyzes job positions and determines task responsibilities for personnel to ensure education, experience, and training is commensurate with minimum requirements specified. The CCP Certification Manager is responsible for ensuring that auditable records documenting the required training and qualifications are maintained in accordance with CCP-QP-002.

5.3 Quality Improvement

(Applicable Criteria: 10 CFR 830.122 Criterion 3
ASME NQA-1-1989, Criteria 15 & 16
DOE O 414.1 Criterion 3
CBFO QAPD Section 1.3
NWP QAPD, Section 1.3)

Quality improvement is a management process, carried out to improve items, services, products, or processes. All aspects of quality work activities and the management system are subject to continuous improvement through the assessment and feedback processes.

Conditions adverse to quality are identified promptly and corrected as soon as practical. In the case of a significant condition adverse to quality, the cause of the condition is determined and corrective action taken to preclude recurrence. The identification, cause, and corrective action for significant conditions adverse to quality are documented and reported to appropriate levels of management. Follow-up action is taken to verify implementation of corrective actions.

Items that do not conform to specified requirements are controlled to prevent inadvertent installation or use. Controls are provided for identification, documentation, evaluation, segregation when practical, and disposition of nonconforming items, and for notification to affected organizations.

Personnel continually evaluate and improve project activities. QA ensures that quality improvement is achieved by identifying and controlling conditions adverse to quality, analyzing trends, reporting and tracking nonconformances, and implementing corrective actions. These quality improvement activities detect and prevent unacceptable quality problems and thereby increase accuracy and reliability, and reduce variability. Data analysis and trending are performed in accordance with CCP-QP-014, *CCP Quality Assurance Trend Analysis and Reporting.*

A condition adverse to quality is an all-inclusive term used in reference to failures; malfunctions; deficiencies; and nonconforming items, materials, parts, or components, and processes. Personnel ensure that nonconforming items, materials, parts, or components are adequately identified and segregated from acceptable items and materials to preclude their inadvertent use. CCP and Host site personnel have the authority to stop certification, packaging, and transportation activities and/or refuse to accept work products or services (e.g., procured items, documentation, packaging, and waste shipments) that do not conform to requirements. Personnel report conditions adverse to quality to QA personnel, who ensure that the condition adverse to quality is investigated and that corrective action is taken as described in this section. Employees have

the responsibility to stop work that poses a clear and imminent danger to the safety and health of employees, subcontractors, visitors, or the environment.

Personnel notify QA of conditions adverse to quality affecting waste to be shipped to WIPP and forward CARs related to violations of the WIPP Hazardous Waste Facility Permit to QA for tracking. Conditions adverse to quality are documented, evaluated for significance, corrected, tracked, and reported in accordance with CCP-QP-029 and CCP-QP-005. All violations of the WIPP Hazardous Waste Facility Permit will be managed as significant conditions adverse to quality.

Deficiencies are uncontrolled and unapproved deviations from an approved plan, procedure, or expected result. Deficiencies specific to the CCP also include documentation or management practices that do not meet the requirements related to waste certification or payload container preparation, which are identified in the WIPP WAP, RH-TRAMPAC, CH-TRAMPAC, WAC, QAPD, and applicable federal and state regulations. Personnel are responsible for identifying any condition that affects compliance with these requirements. Assessments may often identify systems, processes, products, or services that do not meet performance criteria established in planning documents. When deficiencies are found, personnel take prompt action to rectify the situation.

Any individual who identifies a condition adverse to quality initiates an NCR or CAR in accordance with CCP-QP-005 or CCP-QP-029. If the safety or quality of the certification process could be compromised by continued use of a nonconforming item, the item is taken out of service and tagged or otherwise identified to prevent reuse or acceptance until the nonconformance is corrected. QA or the QA personnel at the facility where the nonconformance is identified ensures that an NCR is initiated and that corrective action is taken to resolve the nonconformance.

NCRs and CARs are forwarded to the CCP Project Office QA personnel. QA is responsible for validating and tracking CCP-related deficiencies to ensure that corrective action is implemented and that the corrective action resolves the nonconformance. Significant conditions adverse to quality are evaluated by QA and other affected organizations to determine if a work suspension is necessary. If necessary, work will be suspended until the condition is corrected and verified by QA. Personnel notify DOE-CBFO within seven calendar days of identification of any non-administrative nonconformance related to applicable requirements specified in the WIPP WAP, which are first identified at the SPM's signature release level. Personnel submit the NCR to DOE-CBFO within 30 calendar days of identification of the deficiency. QA ensures dissemination of information that may prevent problems or help improve

parallel processes in other waste generator or activities and re-evaluates system performance after corrective actions have been implemented. The CCP Certification Manager provides the resources necessary to accomplish corrective actions. Any containers with unresolved discrepancies associated with waste characterization cannot be certified for disposal; this includes containers affected by CAR's applicable to WIPP WAP and WAC requirements.

QA and the CCP Certification Manager are jointly responsible for identifying the following:

- Trends in nonconformances
- Root causes of nonconformances
- Specific, measurable corrective actions to resolve current problems and prevent recurrence
- Personnel responsible for implementing corrective actions
- Schedules for completing corrective actions

5.4 Documents

(Applicable Criteria: 10 CFR 830.122 Criterion 4
ASME NQA-1-1989, Criteria 6
DOE O 414.1 Criterion 4
CBFO QAPD Section 1.4
NWP QAPD, Section 1.4)

The preparation, issue, and change of documents that specify quality requirements or prescribe activities affecting quality are controlled to assure that correct documents are being employed. These documents, including changes, are reviewed for adequacy and approved for release by authorized personnel.

Personnel prepare and control documents supporting the quality of the CCP in accordance with CCP-QP-010. Document control coordinators will ensure that:

- Documents are controlled during the review and approval process.
- Applicable criteria for the review are identified. Criteria will consider technical adequacy, accuracy, completeness and compliance with requirements.
- Pertinent background information or data is made available to the reviewer.

- Reviews are performed by individuals other than the originator, who are also technically competent in the subject area.
- Organizations or technical disciplines affected by the document review the document.
- QA reviews documents that translate CBFO QAPD, WAC, WIPP WAP, CH-TRAMPAC, RH-TRAMPAC and WCPIP requirements.
- Review comments are resolved and evidence of review comment resolution is maintained.
- Documents are approved for release and distributed in accordance with CCP-QP-010. These documents include:
  - Program planning documents such as this Plan, the QAPjP, the TRAMPAC
  - Plans and procedures implementing TRU waste characterization, certification and packaging
  - Procedures implementing QA requirements
- Changes to documents, other than those designated as editorial changes, are reviewed by the same organizations that performed the original review and approval.

NWP controlled procedures are used for functions that NWP performs in support of CCP. These functions include procurement support, source inspection support, independent assessments, vendor audits, and QSL maintenance.

5.5 Records

(Applicable Criteria: 10 CFR Part 21
10 CFR Part 71
10 CFR 830.122 Criterion 4
ASME NQA-1-1989, Criterion 17
ASME NQA-2a-1990, Addenda, Part 2.7
ASME NQA-3 1989
Waste Isolation Pilot Plant Hazardous Waste Facility Permit
DOE O 414.1 Criterion 4
CBFO QAPD Section 1.5
NWP QAPD, Section 1.5
DOE O 414.1
DOE O 266.1
DOE G-414.1-2A
SNT-TC-1A-1980
NRC Certificate Number 9212
NRC Certificate Number 9218
NRC Certificate Number 9279
NRC Certificate Number 9204
NUREG-1297 (1988)
NUREG/BR-0167 (1993)
40 CFR Part 191
40 CFR Part 194)

Records that furnish documentary evidence of quality are specified, prepared, and maintained. Records are legible, identifiable, and retrievable. Records are protected against damage, deterioration, or loss. Requirements and responsibilities for record transmittal, distribution, retention, maintenance, and disposition are established and documented.

A QA record is an authenticated record that provides objective evidence of the quality of items and/or activities. The minimum lifetime and nonpermanent QA records are identified in the QAPjP. QA records are controlled and maintained to certify compliance with requirements and to reflect completed work. QA records are indexed, classified, controlled, and maintained by records management personnel as described in CCP-QP-008. The Records Inventory and Disposition Schedule (RIDS) is also defined in CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*.

Waste characterization data and QA/QC records related to TRU waste to be shipped to WIPP are designated as either Lifetime Records, or Non-Permanent Records. Records that are designated as Lifetime Records are maintained for the life of the waste characterization program

plus six years; **OR** transferred for permanent archival storage to the WIPP Records Archive. Waste characterization records designated as Non-Permanent Records will be maintained for ten years from the date of record generation and then dispositioned according to their approved RIDS.

5.6 Work Process

(Applicable Criteria: 10 CFR 830.122 Criterion 5
DOE O 414.1 Criterion 5
CBFO QAPD Section 2.1
NWP QAPD, Section 2.1)

The work processes and items supporting and affecting quality are controlled through plans and procedures identified in this Plan, the QAPjP, and the TRAMPAC.

Characterization, fabrication, installation, and inspection processes affecting the quality of items or services are controlled by procedures. Special processes that control or verify quality, such as those used in welding, heat treating, and nondestructive examination, are performed by qualified personnel using qualified procedures in accordance with specified requirements.

5.6.1 Work

(Applicable Criteria: CBFO QAPD Section 2.1.1
ASME NQA-1-1989, Criterion 1
NWP QAPD, Section 2.1.1)

The CCP Certification Manager ensures that activities are controlled and conducted in accordance with facility-specific procedures that describe and control work processes applicable to TRU waste characterization or certification.

Individual operating procedures provide controls for performance of special processes. Special process training and qualification requirements are described in CCP-QP-002.

Each individual performing work is responsible for ensuring that work processes are controlled and comply with established criteria. The CCP Certification Manager is responsible for ensuring that workers have the correct procedures, materials, and training to perform the required work. Instructions and procedures are maintained current with a documented and controlled method of revision. Instructions, procedures, and drawings are readily

available to personnel at locations requiring their use through either hard copy or electronic media.

5.6.2 Implementing Procedures

(Applicable criteria: ASME NQA-1-1989, Criterion 5
CBFO QAPD Section 2.1.2
NWP QAPD, Section 2.1.2)

Activities affecting quality are prescribed by and performed in accordance with documented instructions, procedures, or drawings of a type appropriate to the circumstances. These documents include or reference appropriate quantitative or qualitative acceptance criteria for determining that the prescribed activities have been satisfactorily accomplished.

Procedures and plans are developed, reviewed, approved, revised, and distributed in accordance with CCP-QP-010. CCP technical and QA personnel comply with the applicable technical standards and administrative controls described in procedures, which are reviewed and approved by the CCP Certification Manager and QA in accordance with CCP-QP-010. The CCP Certification Manager ensures personnel perform work following established procedures. For work processes such as procurement, source inspection, and independent assessments, applicable NWP non-CCP specific procedures are also used. CCP specific implementing procedures describe the required interfaces with applicable NWP general use procedures.

The procedures identified in this Plan, the QAPjP, and the TRAMPAC provide the following information:

- organizational and individual responsibilities
- training and qualification requirements
- technical, regulatory, and QA requirements
- step-by-step instructions for the process
- equipment specifications
- identification and control of items used or installed
- prevention of damage or loss and minimization of deterioration of items and materials during handling, storage, and shipment of items

- methods and criteria for ensuring and verifying the acceptability of equipment and materials used in the process (e.g., calibration)
- prerequisites, precautions, process parameters, and other limiting conditions
- products of the process
- quantitative and/or qualitative criteria for determining that prescribed process activities have been performed satisfactorily
- records generated by the process
- package and design control of equipment and materials

5.6.3 Item Identification and Control

(Applicable Criteria: ASME NQA-1-1989, Criterion 8
CBFO QAPD Section 2.1.3
NWP QAPD, Section 2.1.3)

Controls have been established to assure that only correct and accepted items are used or installed. Identification is maintained on items or in documents traceable to the items, or in a manner which assures that identification is established and maintained.

Items are identified and traced from time of receipt through end use. Physical markings, labels, tags or segregation are used to provide item identification and status. Specific details are provided in CCP-QP-017, *CCP Identification and Control of Items*.

5.6.4 Special Processes

(Applicable Criteria: ASME NQA-1-1989, Criterion 9
CBFO QAPD Section 2.1.4
NWP QAPD, Section 2.1.5)

Special processes that control or verify quality, such as those used in nondestructive examination, are performed by qualified personnel using qualified procedures in accordance with specified requirements.

Processes are considered to be special processes if:

- results are highly dependent on the control of the process
- results are highly dependent on the skill of the operator, or

- quality of the results cannot be readily determined by inspection or test of the product.

Implementing procedures have been developed to control special processes: NDE, NDA, DTC, Flammable Gas Analysis, GGT, and Helium Leak Detection. Training and qualification requirements for operators are identified in CCP-QP-002.

5.6.5 Handling, Storage, and Shipping

(Applicable Criteria: ASME NQA-1-1989, Criterion 13
CBFO QAPD Section 2.1.5
NWP QAPD, Section 2.1.6)

Handling, storage, cleaning, packaging, shipping, and preservation of items are controlled to prevent damage or loss and to minimize deterioration. Controls are provided through work and inspection procedures, shipping instructions, or other appropriate documents.

Measures are established in CCP-QP-015 and CCP-QP-023, *CCP Handling, Storage and Shipping*, to ensure that systems, components and items used for repair work for maintenance purposes or packaging purposes are adequately identified to preclude the use of incorrect or defective items. Also, where replacement of limited shelf life items is specified, measures are established to preclude use of items whose shelf life or time in operation has expired. Handling, storage, cleaning, shipping, and other means of preserving, transporting, and packaging of items are controlled in accordance with CCP-QP-023.

5.7 Configuration Management

(Applicable Criteria: CBFO QAPD Section 2.2
NWP QAPD, Section 2.2)

5.7.1 Equipment Configuration

CCP applies configuration management controls to characterization equipment, including vendor owned equipment, operated by CCP and its subcontractors on behalf of CBFO. In accordance with CCP-CM-001, *CCP Equipment Change Authorization and Documentation*, personnel:

- Coordinate the reviews of new equipment and changes/modifications/repairs to existing equipment.
- Establish and apply unique equipment numbering.

- Develop all required equipment change/modification/repair requests.
- Determine training needs due to equipment changes/modifications/repairs.
- Obtain appropriate approvals for equipment modifications, changes, repairs, and process drawing and document changes when required.
- Coordinate with host facility representatives in their reviews to ensure that proposed modifications comply with host facility Authorization Basis requirements.
- Oversee the implementation of approved changes.
- Ensure appropriate technical documentation is maintained on equipment changes/modifications/repairs.

5.7.2 Software Configuration

CCP applies configuration management controls to computer software and hardware/software configurations in accordance with the requirements of CCP-QP-022, as described in Section 5.14 of the Plan.

5.8 Procurement

(Applicable Criteria: 10 CFR 830.122 Criterion 7
ASME NQA-1-1989 Criteria 4 & 7
DOE O 414.1 Criterion 7
CBFO QAPD Section 2.3
NWP QAPD, Section 2.3)

Applicable design bases and other requirements necessary to ensure adequate quality are included or referenced in documents for procurement of items and services. Procurement documents require suppliers to have a QA program consistent with the graded application of quality requirements. Procurements are controlled to ensure conformance with specified requirements. Procurement controls provide for source evaluation and selection, evaluation of objective evidence of quality furnished by the supplier, source inspection, audit, and examination of items or services upon delivery or completion.

CCP implements procedures to ensure that procurement of items and services important to safety and quality meet requirements and perform as intended. Procurement controls are applicable to equipment and services,

including commercial grade items that directly affect testing, and data quality. Other NWP organizations provide support to the CCP for procurement process elements such as procurement planning, supplier selection and evaluation, bid evaluation, supplier performance evaluation, requisition review and processing, and procurement records. Personnel adhere to procurement and record keeping practices established in written procedures. The procurement criteria are implemented according to CCP-QP-015, NWP procedure WP 15-PC3609, *Preparation of Purchase Requisitions and Purchase Requisition Change Notices*, and the procedures specified in the following subsections.

When deemed appropriate, CCP may permit some or all supplier work to be performed under the NWP QA program, provided that the requirements are adequately implemented. In these cases, procurement documents shall specify the NWP QA implementing procedures, including CCP specific procedures that are applicable to the supplier and that CCP will provide these applicable documents to the supplier.

5.8.1 Procurement Document Review and Approval

(Applicable Criteria: CBFO QAPD Section 2.3.5
NWP QAPD, Section 2.3.2)

The CCP Certification Manager ensures that personnel control procurement documents in accordance with CCP-QP-015. Procurements are planned and controlled to ensure that suppliers have QA programs consistent with the intended use of the item being procured. Procurement activities shall be planned as early as possible. At a minimum, the activities shall be planned no later than the start of those procurement activities that are required to be controlled. Procurement documents supporting waste management and packaging and transportation activities must include required specifications and acceptance criteria. Procurement documents are reviewed by appropriate organizations and engineering disciplines to ensure that they contain adequate scope of work, technical requirements, supplier QA program requirements, and provisions for acceptance. Qualified personnel verify suppliers' conformance to procurement document requirements.

5.8.2 Acceptance of Items or Services
(Applicable Criteria: CBFO QAPD Section 2.3.7
NWP QAPD, Section 2.3.4)

The SPM ensures that personnel control items and services purchased (including supplier evaluations and inspections) in accordance with CCP-QP-015, NWP Procedure

WP 15-PC3609, and CCP-QP-001. Methods shall be established for the acceptance of an item or service being furnished by a supplier. Prior to offering an item or service for acceptance, the supplier shall verify that the item or service complies with the procurement requirements. Documentary evidence of conformance to the procurement specifications is provided before installation or use of systems, components, items, and services, and is retained in accordance with CCP-QP-015. Acceptance of quality related systems, components, items and services will be through source verification, receipt inspection, post-installation testing, or supplier certificate of conformance as appropriate to the quality level. Supplier nonconformances will be documented, tracked, and dispositioned in accordance with CCP-QP-015. An example of conditions requiring a report of nonconformance include: The item does not conform to the original requirement even though the item can be restored to a condition such that its capability to function is unimpaired (i.e., a waiver is requested).

5.8.3 Control of Supplier Nonconformances

(Applicable Criteria: CBFO QAPD Section 2.3.8
NWP QAPD, Section 2.3.5)

Subcontractors perform work that directly affects the quality of characterization and certification data. CCP-QP-015, describes how personnel control subcontractor services. Subcontractors may support activities under a “staff augmentation” role or for procurement of products and services. Staff augmentation subcontractors operate under the umbrella of the QA program and are subject to applicable requirements for functions that they perform. Subcontractors who support the CCP will be informed of the need to perform operations in compliance with requirements.

If subcontractors are authorized to perform procurements of quality-affecting items and services, they are required to establish procurement controls and a QA program to ensure that purchased materials, equipment, and services conform to the procurement and QA program documents. NWP adds and maintains such subcontractors on the NWP QSL, to support the scope of work and ensure that the appropriate subcontractor QA controls are applied. The controls must include provisions, as appropriate, for source evaluation and selection, objective evidence of quality furnished by the contractor or subcontractor, inspection at the contractor or subcontractor source, and examination of products on delivery. Subcontractors are subject to periodic assessments and audits at intervals consistent with the importance, complexity, and quantity of the product or services provided to ensure compliance with

procurement requirements. Subcontractors shall submit copies of CCP-related, quality affecting documents to the CCP Certification Manager.

Items and services procured are subject to control of nonconformances. Quality Levels are determined for items and services procured for use, and quality-affecting items are evaluated for adequacy prior to use through receipt inspection, source inspection, functional testing, or other appropriate means. Items that are found deficient are documented, controlled to prevent use, evaluated, and corrective actions performed.

A combination of CCP specific and NWP general use procedures are used to exercise controls over supplier nonconformances. They include:

- CCP-QP-015, *CCP Procurement*
- CCP-QP-029, *CCP Corrective Action Management*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- WP 15-PC3609, *Preparation of Purchase Requisitions and Purchase Requisition Change Notices*

5.8.4 Commercial Grade Items

(Applicable Criteria: CBFO QAPD Section 2.3.9
NWP QAPD, Section 2.3.6 and 2.3.7)

Commercial grade items may be used when specified by design. Commercial grade items are identified in procurement documents using manufacturer or distributor catalog numbers or descriptions. Data collection and test instruments procured as commercial grade items that are intended for use in quality related applications are calibrated by qualified suppliers of calibration services prior to use. Commercial grade items are procured in accordance with CCP-QP-015, CCP-QP-026, WP 13-QA1003, *Quality Assurance Receipt/Source Inspections*, WP 15-PC3609, WP 13-QA3012, *Supplier Evaluation and Qualification,* and NWP Procurement Services Commercial Instruction C1015 *Supplier Selection*.

5.9 Inspection and Testing

(Applicable Criteria: 10 CFR 830.122 Criterion 8
ASME NQA-1-1989, Criteria 10 & 14
DOE O 414.1 Criterion 8
CBFO QAPD Section 2.4
NWP QAPD, Section 2.4)

Inspections required to, verify conformance of an item or activity to specified requirements are planned and executed. Characteristics to be inspected and inspection methods to be employed are specified. Inspection results are documented. Inspection for acceptance is performed by persons other than those who performed or directly supervised the work being inspected.

The status of inspection and test activities is identified either on the items or in documents traceable to the items where it is necessary to assure that required inspections and tests are performed and to assure that items which have not passed the required inspections and tests are not inadvertently installed, used, or operated. Status is maintained through indicators appropriate to the activity or item, such as physical location and tags, markings, travelers, stamps, inspection records, or other suitable means. The authority for application and removal of tags, markings, labels, and stamps is specified.

Equipment is tested, inspected, and maintained in accordance CCP-QP-016*, CCP Control of Measuring, Testing, and Data Collection Equipment*; CCP-QP-026, and CCP-QP-027, *CCP Test Control*. CCP personnel identify and control items (e.g., items with limited shelf or operating lives, materials, equipment, and samples) and ensure that only correct and accepted items are used according to CCP-QP-026. These procedures and documents address planning, parameters for evaluation, techniques to be used qualifications of inspection and test personnel, hold points, documentation, acceptance criteria, and organizational responsibilities.

Personnel routinely test and inspect items and processes and control, calibrate, and maintain equipment to ensure proper operation and data quality. Procedures identified above implement an inspection program that establishes criteria for inspection of activities affecting quality by, or for, the organization performing the activity, and to verify conformance with the requirements for accomplishing the activity. The verification is performed in accordance with written procedures, instructions, or drawings. Personnel performing the inspections are independent from the individuals performing the activity being inspected. Equipment modifications, repairs, and replacement are inspected in accordance with the original design and inspection requirements unless an approved

alternative exists. The inspection program also provides for identification and documentation of deficiencies discovered during the inspection. Measures are established to indicate, by the use of markings, tags, stamps, labels, routing cards, or other suitable means, the status of inspections and tests performed. These measures provide for the identification of items that have satisfactorily passed required inspections and tests, where necessary, to preclude inadvertent bypassing of the inspections and tests.

Quality related procured items are inspected by qualified personnel at receipt or at the source prior to shipment. These inspections may include dimensional verification, functional testing, verification of documentation or other appropriate methods.

5.9.1 Qualification of Inspection and Test Personnel

(Applicable Criteria: CBFO QAPD Section 2.4.1
NWP QAPD, Section 2.4.1)

Inspection and test personnel are trained and qualified in accordance with CCP-QP-002, CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*, and CCP-QP-032, *CCP Written Practice for the Qualification of CCP Pressure Change Leak Testing Personnel*. Candidates for inspection and test positions are evaluated for previous education, experience, training, and testing as appropriate. Minimum qualifications are established, and personnel selected for these activities are documented to have experience or training commensurate with the scope, complexity, or special nature of the inspections or tests performed. Inspection and test personnel are indoctrinated in the technical and QA objectives, requirements, and controls, and formal or OJT is performed as appropriate. Qualifications are documented, and records maintained in the Records System.

Job performance of inspection and test personnel is evaluated at periodic intervals, and is performed through review of evidence of continued satisfactory performance or redetermination of capability. If personnel are found to not perform adequately, they are removed from that function until the required capability is demonstrated. Personnel that have not performed inspection or testing activities in their qualified area for more than a year are re-evaluated for the required capability.

5.9.2 Qualification of Nondestructive Examination Personnel

(Applicable Criteria: CBFO QAPD Section 2.4.2.A
NWP QAPD, Section 2.4.1.2)

Personnel performing NDE are trained and certified in accordance with CCP-QP-002. This procedure implements the requirements of the American Society of Nondestructive Testing (ASNT) Recommended Practice No. SNT-TC-1A, June 1980 edition. Training and certification of NDE personnel are documented and records maintained in the Records System.

5.9.3 Inspection Planning

(Applicable Criteria: CBFO QAPD Section 2.4.3.1
NWP QAPD, Section 2.4.2.1)

Inspections are planned, performed and documented in accordance with CCP-QP-026. Inspection planning includes identification of work operations to be inspected, inspection hold points, identification of characteristics to be inspected, inspection methods, acceptance criteria, sampling requirements, method of documentation of inspection results, Measuring and Testing Equipment (M&TE) to be used, and identification of statistical methods for sampling.

The types of inspections that may be performed include:

- in-process inspections and monitoring
- final inspection
- in-service inspections

Each of these types of inspections may include review of documentation, examination or verification of physical characteristics, performance of tests, or other means of verifying quality and conformance to the applicable requirements. Inspections are documented and records maintained as part of the Records System.

5.9.4 Test Requirements

(Applicable Criteria: ASME NQA-1-1989, Criterion 11
CBFO QAPD Section 2.4.4
NWP QAPD, Section 2.4.3)

Tests required to verify conformance of an item or computer program to specified requirements and to demonstrate satisfactory

performance for service shall be planned and executed. Characteristics to be tested and test methods to be employed are specified. Test results are documented and their conformance with acceptance criteria are evaluated.

Tests required to collect data are planned, executed, documented and evaluated. Test planning includes identification of test procedures, test requirements and acceptance limits, including required levels of precision and accuracy, identification of M&TE, test prerequisites, hold points, and test and data documentation requirements. Test results are documented and their conformance with acceptance criteria are evaluated by qualified personnel.

Testing is performed in accordance with CCP-QP-027.

5.9.5 Monitoring, Measuring, Testing, and Data Collection Equipment

(Applicable Criteria: 10 CFR 830.122, Criterion 5
ASME NQA-1-1989, Criterion 12
CBFO QAPD Section 2.4.5
NWP QAPD, Section 2.5)

Tools, gages, instruments, and other measuring and test equipment used for activities affecting quality are controlled and at specified periods calibrated and adjusted to maintain accuracy within necessary limits. This equipment is controlled in accordance with CCP-QP-016.

[A] Use and Control of M&TE

(Applicable Criteria: CBFO QAPD Section 2.4.6
NWP QAPD, Section 2.5.1)

Measuring and test equipment with the necessary range and accuracy is provided to qualified personnel for the inspection, test, and acceptance of material, parts, components, and systems. The specific controls imposed on measuring and test equipment are described in procedure CCP-QP-016, and CCP-QP-026. M&TE are labeled, and any that are found to be out of calibration are reviewed to determine the impact. Records are maintained in the Records System.

[B] Calibration

(*Applicable Criteria: CBFO QAPD Section 2.4.7*
NWP QAPD, Section 2.5.1)

Equipment accuracy is ensured by periodic calibration that is traceable to national standards or a documented equivalent basis for calibration. M&TE shall be calibrated to provide traceability of the calibration against certified equipment having known valid relationships to nationally recognized standards. If nationally recognized standards do not exist, the basis for calibration shall be documented. The specific controls imposed on measuring and test equipment are described in procedure CCP-QP-016, and CCP-QP-026.

5.10 Management Assessments

(Applicable Criteria: 10 CFR 820.122 Criterion 9
ASME NQA-1-1989 Criterion 2
DOE O 414.1 Criterion 9
CBFO QAPD Section 3.1
NWP QAPD, Section 3.1)

Management regularly assess the adequacy of that part of the QA program for which they are responsible to assure its effective implementation, and ensure compliance with applicable requirements. Management assessments are conducted according to CCP-QP-018, *CCP Management Assessment*. CBFO and external regulatory agencies also conduct assessments. QA tracks deficiencies identified during assessments; identifies corrective actions to resolve deficiencies according to CCP-QP-029 and CCP-QP-005, and ensures the resolutions are reported to the CCP Certification Manager and CBFO. Documentation of deficiencies identified in activities conducted at waste generating sites are also reported to the appropriate organizations at those sites, in accordance with interface documents.

Management periodically assesses the performance of its organization to determine the effectiveness of QA Program provisions that enable the organization to comply with requirements of the WIPP WAP, QAPD, WAC, and applicable procedures and documents. Managers evaluate QA Program effectiveness by focusing on the identification and resolution of both systemic and management issues and problems, and identifying strengths and weaknesses to facilitate actions to improve quality efficiency and cost-effectiveness. Management assessments may include an introspective evaluation to determine whether the entire integrated management system effectively focuses on meeting strategic goals. Management assessments are conducted as described in CCP-QP-018.

Management is responsible for the conduct of these assessments and reports at least annually on relevant findings.

5.11 Independent Assessments

(Applicable Criteria: 10 CFR 830.122, Criterion 10
ASME NQA-1-1989, Criterion 18
DOE O 414.1, Criterion 10
CBFO QAPD Section 3.2
NWP QAPD, Section 3.2)

Planned and scheduled audits are performed to verify compliance with all aspects of the QA program and to determine its effectiveness. These audits and surveillances are performed in accordance with written procedures or checklists by personnel who do not have direct responsibility for performing the activities being audited. Audit and surveillance results are documented and reported to and reviewed by responsible management. Follow-up actions are taken where indicated.

Documented independent assessments (audits and surveillances) are used to measure item service and quality, process adequacy and effectiveness, and to promote improvement.

5.11.1 Surveillances

(Applicable Criteria: CBFO QAPD Section 3.2.1
NWP QAPD, Section 3.2)

Surveillances are conducted primarily to monitor work in progress and to follow up on corrective actions. Surveillance results are reported and monitored similar to other assessment activities. At each host location, surveillances are scheduled as early in the project as practical. Surveillances are performed in accordance with CCP-QP-021, *CCP Surveillance Program*.

5.11.2 Audits

(Applicable Criteria: CBFO QAPD Section 3.2.2
NWP QAPD, Section 3.2)

Internal and external audits are planned and scheduled throughout the life of the CCP and are conducted by qualified personnel.

The CCP is subject to CBFO certification audits. A CBFO audit of is conducted before any waste characterized by the CCP is shipped to the WIPP and annually thereafter. In addition, the CBFO may conduct audits on a random basis. These audits are scheduled

through the CBFO QA Manager who coordinates the plans and schedule through the CCP Certification Manager.

5.12 Sample Control Requirements

(Applicable Criteria: CBFO QAPD Section 4.1
NWP QAPD, Section 4.1)

This section identifies the requirements for controlling samples of waste and environmental media. Control measures stated in site specific container management procedures (see Appendix 4, Table B-1) and analysis procedures include provisions for the identification, handling, storage and shipping, archiving, and identification of nonconforming drums.

Samples/drums are controlled and identified in a manner consistent with their intended use in accordance with container management procedures specific to each site (See Appendix 4, Table B-1).

5.12.1 Sample Identification

(Applicable Criteria: CBFO QAPD Section 4.2
NWP QAPD, Section 2)

[A] Waste containers used as samples are labeled and tracked in accordance with site specific container management procedures. Each waste container used as a sample is checked for physical marking that:

[A.1] Are applied using materials and methods that provide a clear and legible identification.

[A.2] Are not obliterated or hidden on the surface.

[B] If samples/waste containers used as samples are stored, they are controlled in accordance with container management procedures and the method requirements for characterization.

5.12.2 Handling, Storing, and Shipping Samples

(Applicable Criteria: CBFO QAPD Section 4.3
NWP QAPD, Section 4.3)

[A] Handling, storing, cleaning, packaging, and shipping waste containers used as samples is conducted in accordance with

established work and inspection implementing procedures, CCP-QP-023.

5.12.3 Disposition of Nonconforming Samples

(Applicable Criteria: CBFO QAPD Section 4.4
NWP QAPD, Section 4.4)

[A] Waste containers used as samples that do not conform to requirements are reported on an NCR in accordance with CCP-QP-005.

[B] The disposition of waste containers used as samples is identified and documented in accordance with CCP-QP-005.

5.13 Data Documentation, Control, and Validation

(Applicable Criteria: CBFO QAPD Section 5.3
NWP QAPD, Section 4.6 and 4.7)

5.13.1 Data are controlled to prevent loss and ensure integrity, security and freedom from error. Erroneous, rejected or superseded data are controlled to prevent use. Data uncertainty levels are determined prior to use. Data reduction methods are prescribed in technical procedures to allow validation of the reduction process. Data verification and validation is performed to assure accuracy, completeness and traceability in accordance with QA and technical procedures. These procedures include CCP-TP-001 and CCP-TP-002.

5.13.2 Data validation is a systematic process used to review data to ensure that the required data quality characteristics have been obtained. Results of the review may require that qualifiers be placed on the use of the data.

5.13.3 Validation methods shall be planned and documented. The documentation shall include the acceptance criteria used to determine if the data are valid.

5.13.4 All applicable data collected shall be validated. Validation shall include the following:

[A] The relevant documentation is reviewed to evaluate the technical adequacy, the suitability for the intended use, and the adequacy of the QA record.

[B] The results of the data review shall be documented.

[C] The reviewer shall be independent of the collection activities.

5.13.5 Data validation shall be controlled to permit independent reproducibility by another qualified individual.

5.13.6 Data considered as established fact by the scientific and engineering community, such as engineering handbook data, critical tables, etc., do not require validation.

5.14 Software

(Applicable Criteria: ASME NQA-2a-1990 Part 2.7
CBFO QAPD Section 6
NWP QAPD, Section 6)

Computer software and hardware/software configurations used in activities are developed, documented, verified, validated, and tested prior to use in compliance with requirements contained in the QAPD, QAPjP, and NQA-1, Subpart 2.7, *Quality Assurance Requirements of Computer Software for Nuclear Facility Applications* (ASME 1989). CCP-QP-022 describes the processes for computer software development, validation, and verification.

Software used are identified and controlled through inventory and categorization, and configuration management is maintained. CCP-QP-022 provides the controls for configuration management; software procurement and development; software life-cycle management including installation, testing, verification and validation, operation, and retirement; access controls; and required documentation. Software problems are identified and reported, and changes to software are controlled.

5.15 Performance Demonstration Program (PDP)

The CCP participates in the PDP. PDP samples are processed according to procedures applicable to the specific testing and CCP-TP-058, *CCP NDA Performance Demonstration Plan*.

6.0 REFERENCES

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The current revision of these reference documents is applicable. The Internet links are provided for informational purposes only and may change.

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Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste

A.1 Introduction

Radioassay techniques are used to determine the radionuclide content of waste. Radioassay methods include both nondestructive and destructive techniques. The term "radioassay" includes all types of assay techniques. NDA refers only to nonintrusive assay techniques, whereas radiochemistry (RC) is used to refer to destructive assay techniques. This appendix is intended to apply to NDA activities conducted within the WIPP CCP.

Common NDA techniques rely on detection of gamma rays, neutrons, or heat generated by the waste. NDA is performed on a waste container basis.

RC will not be performed by CCP. If plans change, then RC will be performed in compliance with the requirements of the current WAC, and this Plan will be revised.

The DOE is required to collect radiological characterization data to:

- Track the WIPP radionuclide inventory, by isotopic activity and mass, for those radionuclides listed in Section 3.3.1,
- Demonstrate that each payload container disposed of at the WIPP contains TRU waste as specified in Section 3.3.3, and
- Verify that applicable transportation and facility limits on individual payload containers and assemblies for FGE, PE-Ci, and decay heat are not exceeded, as specified in Section 3.3.2, 3.3.4 and 3.3.6.

The radioassay process quantifies at least one of the more prevalent radionuclides known to be present in the waste. The remaining listed radionuclides present in the waste in significant quantities will be identified by direct measurement of isotopic ratios as discussed in Section A.2. The isotopic ratios are then used to quantify radionuclides based on the assay value.

The requisite data on isotopic ratios and quantities will be derived from AK (see Section A.2), radioassay or both using CBFO approved NDA or RC techniques, instruments and procedures. Each site must technically justify that the AK and/or radioassay techniques, instruments and procedures used:

- Are appropriate for the specific waste stream and waste content code descriptions being assayed, and
- Will result in unbiased values for the cumulative activity and mass of the WIPP radionuclide inventory.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Existing radioassay data collected prior to the implementation of a QA program pursuant to 40 CFR §194.22(a)(1) may only be qualified in accordance with an alternate methodology that is approved by CBFO and employs one or more of the following methods:

- Peer review in accordance with NUREG-1297 (Reference A1),
- Corroborating data,
- Confirmatory testing (i.e., testing made on a representative sub-population of payload containers within a waste stream), or
- Demonstrating the equivalence of an alternative QA program (as described in Reference A2, Section 5.4).

Proposals for alternative approaches to identification and quantification of radioisotopes (e.g., quantification of isotopic ratio AK on a waste stream basis) must be submitted to CBFO for review and approval. CBFO will report such proposals to the EPA for consideration prior to issuing approval.

Controlled changes to radioassay (NDA or RC) related plans or procedures are managed through the document control process described in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*. The CCP Certification Manager and QA shall review all such changes and report to the CBFO those changes that could impact compliance with the criteria in this document. The CCP Certification Manager shall ensure that site approved changes to radioassay related plans or procedures affecting either the performance criteria or data quality of certified systems/processes are not used in the collection of waste certification data prior to CBFO's review and approval. Related testing, calibration, and training performed in accordance with these site-approved changes, however, are not precluded from being conducted prior to CBFO's review and approval. (Memorandum from CBFO to Distribution, CBFO:NTP:RMK:VW:02-2734: UFC:5822, July 29, 2002.)

The CCP program will establish or confirm isotopic ratios by direct measurements and these ratios will be used in conjunction with measured or AK data to calculate WIPP-reportable values.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

A.2 Radionuclide Isotopic Ratios

Establishing isotopic ratios for use in quantifying radionuclides is performed by direct measurement of the containers using WIPP-certified systems. Sites may opt to qualify AK as permitted by 40 CFR §194.22(b) by performing confirmatory testing using WIPP-certified radioassay systems. When a site performs direct measurements of isotopic ratios, it is expected that all containers in the waste stream will be measured, with the understanding that, in some cases, valid data may not be obtainable for given containers for technical reasons (e.g., lack of sufficient signal or poor counting statistics). All such instances will be documented and appropriately dispositioned by the measurement facility. For those few waste containers for which direct measurement does not yield useable isotopic ratio information, AK may be used. The assay programs will establish or confirm isotopic ratios by direct measurement and these ratios will be used in conjunction with the reported data to calculate WIPP-reportable values.

A.2.1 Methods for Confirmation of Isotopic Ratio AK

As a minimum, to confirm existing AK data, it is necessary to compare ratios of the two most prevalent radionuclides in the isotopic mix. For weapons and reactor grade plutonium, these are typically ^{239}Pu and ^{240}Pu. For heat source waste, the predominant radionuclides are typically ^{238}Pu and ^{239}Pu. Measured isotopic ratios for ^{241}Am may confirm existing AK by waste stream.

However, due to the fluctuation of ^{241}Am in certain waste streams, it may become necessary to measure ^{239}Pu to ^{241}Am isotopic ratios on all containers in that waste stream.

^{241}Am is the daughter of ^{241}Pu, which decays with a half-life of about 14 years. If the time since the chemical separation of the plutonium is known, the quantity of measured ^{241}Am can be used to calculate the quantity of ^{241}Pu. This assumes there was no ^{241}Am in the waste just after the chemical separation and that no ^{241}Am was added to or removed from the waste during the time since the separation. Since ^{241}Am is an indirect measurement of ^{241}Pu, it could be compared (by ratio) to any plutonium isotope (^{239}Pu or ^{240}Pu) associated with weapons and reactor grade plutonium.

For weapons grade and reactor grade waste, isotopic ratio values for ^{238}Pu can be assumed to be valid in AK data if the values for ^{239}Pu and ^{240}Pu have been confirmed. Because ^{242}Pu cannot be measured using NDA methods, the contribution of ^{242}Pu isotopic ratio is calculated by correlation techniques.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

For some of the generator sites that were involved primarily in weapons production, the fissile isotopes ^{235}U and ^{233}U and the fissionable isotope ^{238}U may not have been measured when the transuranic waste was originally assayed (i.e., using non-WIPP-certified systems), primarily because the plutonium isotopes were the radionuclides of interest to the generator site. However, other forms of AK may be available. If so, then the AK can be confirmed by data generated on a WIPP-certified system. If valid AK does not exist, then the data generated on a WIPP-certified system can only be used to detect or calculate ^{238}U, ^{235}U, and ^{233}U or to confirm their absence. Because ^{234}U cannot be measured using NDA methods, the isotopic ratios for ^{234}U may be calculated from the ^{235}U enrichment. Values or lack thereof, for ^{137}Cs can be confirmed by the data generated on a WIPP-certified system. This is typically done by measuring ^{137}Cs directly, or by comparing the NDA measured ^{241}Am 662 kiloelectron volt (keV) peak to the other ^{241}Am peaks (e.g., the 125 keV or 721 keV peaks) to determine if the 662 keV peak's intensity is consistent with the expected ^{241}Am intensity. A disproportionate response for the 662 keV peak relative to the other ^{241}Am peaks may indicate the presence of ^{137}Cs. ^{90}Sr may be calculated from the value for ^{137}Cs and AK. If detected, a waste container's concentration of ^{137}Cs can be used to derive a value of ^{90}Sr through the application of the appropriate scaling factor(s). All scaling factors used will be technically sound and based on known, documented relationships or correlations. The data report for the waste containers for which the ^{90}Sr, value is derived in this manner shall reflect the use of a scaling factor(s) and provide sufficient documentation to enable its independent calculation. Finally, the gamma spectra must be carefully examined for significant presence of other radionuclides to ensure compliance with transportation requirements. Data obtained for radionuclides other than the WIPP-tracked radionuclides presented above are required to address confounding isotope issues (i.e., masking) with regard to NDA. When RC is used for confirmation radioassay instead of NDA, less reliance on calculated isotopics is required.

CCP will technically justify that the techniques used to confirm the absence or the ratio of non-measurable radionuclides are valid for the particular radioassay method used to confirm AK.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

A.2.2 Acceptable Knowledge (AK) Documentation

The use of AK information concerning the radiological composition of a waste stream will be documented either in the AK Summary Report for the waste characterization of the waste stream or in another controlled document approved by the SPM. Should this information be contained in AK package(s) prepared to meet other general waste characterization requirements, it need not be duplicated in other controlled documents that address the radiological properties of the waste stream; however, all relevant information must be included in the AK record. CCP uses procedure CCP-TP-005, *CCP Acceptable Knowledge Documentation*, to compile, review, evaluate, confirm, and report AK documentation.

The following discussion is included for the sake of completeness.

A.2.2.1 Required Elements

This section identifies the required radiological information that each TRU waste site or measurement facility must maintain for a waste stream. A TRU waste generator site or waste characterization facility may use AK to delineate the distribution of the 10 WIPP-tracked radioisotopes within a TRU waste stream and the presence or absence of isotopes. The type and quantity of supporting documentation may vary by waste stream and shall be compiled in a written record that shall include a summary identifying all sources of information used to delineate the waste stream's isotopic distribution. The basis and rationale for the delineation shall be clearly summarized in an AK report and traceable to referenced documents. Assumptions made in this delineation shall be identified. The following information shall be included as part of the AK written record:

- Map of the site with the areas and facilities involved in TRU mixed waste generation, treatment, and storage identified
- Facility mission description as related to radionuclide-bearing materials and their management, e.g., routine weapons production, fuel research and development, and experimental processes
- Description of the specific site locations (such as the area or building) and operations relative to the isotopic composition of the TRU wastes they generated, e.g., plutonium recovery, weapons fabrication, pyrochemical operations and waste incineration

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

- Waste identification or categorization schemes used at the facility relevant to the waste material's isotopic distribution, e.g., the use of codes that correlate to a specific isotopic distribution, and a description of the isotopic composition of each waste stream

- Information regarding the waste's physical and chemical composition that could affect the isotopic distribution, e.g., processes used to remove ingrown ^{241}Am or alter its expected contribution based solely on radioactive decay kinetics

- Statement of all numerical adjustments applied to derive the material's isotopic distribution, e.g., scaling factors, decay/ingrowth corrections and secular equilibrium considerations

- Specification of the isotopic ratios for the ten WIPP-tracked radionuclides (^{241}Am, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{242}Pu, ^{233}U, ^{234}U, ^{238}U, ^{90}Sr, and ^{137}Cs) and, if applicable, the radionuclides that comprise 95 percent of the radiological hazard on a waste stream, waste stream subpopulation, or container basis

A.2.2.2 Supplemental AK Information

Each generator site or measurement facility shall obtain supplemental AK information, dependent on availability. The amount and type of this information cannot be mandated, but sites shall collect information as appropriate to support their contention regarding the waste's isotopic distribution. This information will be used to compile the waste's AK written record. Supplemental AK documentation that may be used includes, but is not limited to, information from the following sources:

- Safeguards & Security, Materials Control & Accountability, and other nuclear materials control systems or programs and the data they generated

- Reports of nuclear safety or criticality, or accidents/excursions involving the use of special nuclear material (SNM) or nuclear material

- Waste packaging, waste disposal, building or nuclear material management area (NMMA) logs or inventory records, and site databases that provide information on SNM or nuclear materials

- Test plans, research project reports, or laboratory notebooks that describe the radionuclide content of materials used in experiments

- Information from site personnel (e.g., documented interviews)

- Historical analytical data relevant to the isotopic distribution of the waste stream

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

A.2.2.3 Discrepancy Resolution

If there is a discrepancy between AK information related to isotopic ratios or composition, the site will evaluate the sources of the discrepancy to determine if the discrepant information is credible. Information that is not credible or information that is limited in its applicability to WIPP characterization will be identified as such and the reasons for dismissing it will be justified in writing. Limitations concerning the information will be documented in the AK record and summarized in the AK Summary Report. In the event that the discrepancy cannot be resolved, the site will perform direct measurements for the impacted population of containers.

If discrepancies result in a change to the original determinations, the AK summary will be updated in accordance with procedure CCP-TP-005.

A.3 Data Quality Objectives (DQOs)

The DQOs for WIPP certifiable radiological characterization data are established in Section 3.3 of this Plan. They are summarized below in Table A-1, Data Quality Objectives (DQOs) for Radioassay, as they apply to individual payload containers.

Table A-1. Data Quality Objectives (DQOs) for Radioassay

Requirement	DQO	Confidence[a]
TRU α-activity concentration > 100 nCi/g[b]	A > LLD	N/A
Fissile mass ≤ FGE limit	$FGE + 2\sigma_{TMU}(FGE) \leq$ FGE limit	97.5%
Decay heat (DH) ≤ CH-TRAMPAC limit	$DH + 1\sigma_{TMU}(DH) \leq L_{CH\text{-}TRAMPAC}$[c]	84%

[a]Confidence means the statistical level of confidence that the limit is exceeded or not exceeded depending on the requirements of the individual data quality objectives (DQOs). The confidence is derived from the specified DQOs which assume contributions to TMU are normally distributed.
[b]TRU waste determinations shall be in accordance with the Policy for the Management of TRU Alpha Activity Concentration when overpacking waste containers (see Appendix 8).
[c]TRAMPAC includes both the CH-TRAMPAC and the TRUPACT-III TRAMPAC.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

There are no stipulated DQOs for PE-Ci or individual isotope activities (except as they impact the requirements listed above). However, at a minimum, radioassay programs must be capable of identifying, measuring, and reporting the presence or absence of:

- the ten radionuclides identified in Section 3.3.1 for tracking of the WIPP radionuclide inventory (see Section A.2.1),
- ^{235}U, in order to calculate FGE, as required in Section 3.3.2 for compliance with transportation requirements, and
- other radionuclides whose presence contribute to 95 percent of the radioactive hazard, as specified in Section 3.3.1, for compliance with transportation requirements.

In support of the above requirements, each site must evaluate, document and technically justify the following determinations:

Lower Limit of Detection (LLD): The LLD for each radioassay system must be determined. Instruments performing TRU/low-level waste discrimination measurements must have an LLD of 100 nCi/g or less. Site specific environmental background and container specific interferences must be factored into LLD determinations. The LLD is that level of radioactivity which, if present, yields a measured value greater than the critical level with a 95 percent probability, where the critical level is defined as that value which measurements of the background will exceed with 5 percent probability. Because the LLD is a measurement-based parameter, it is not feasible to calculate LLDs for radionuclides that are not determined primarily by measurement, e.g., ^{90}Sr. In such cases, the site shall derive the equivalent of an LLD, i.e., a reporting threshold for a radionuclide(s), when it is technically justified. This value may be based on decay kinetics, scaling factors or other scientifically based relationships and must be adequately documented in site records. For purposes of reporting radionuclide data in the WWIS/WDS, this value will be the equivalent of an LLD. References A3 and A4 provide information in developing the LLD.

Total Measurement Uncertainty (TMU): The method used to calculate the TMU for the quantities in Table A-1 must be documented and technically justified for each CBFO certified radioassay system. Compliance with this requirement will be evaluated in reviews of the TMU documentation package for each assay system by CBFO. General guidance for determining the TMU is provided in References A5 and A6.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Calibration Procedures and Frequencies: Each radioassay measurement system shall be calibrated before initial use. During calibration or re-calibration, system correction factors shall be established and algorithms adjusted such that the value of percent recovery (%R) is set equal to 100 percent; i.e., the system is calibrated to 100%R. The range of applicability of system calibrations must be specified in site procedures. The matrix/source surrogate waste combination(s) used for calibration shall be representative of the:

- activity range(s) or gram loading(s), and
- relevant waste matrix characteristics (e.g., densities, moderator content, container size) planned for measurement by the system.

Calibration(s) shall be performed in accordance with consensus standards, when such standards exist. If consensus standards are not used, full documentation of the calibration technique must be provided to and approved by CBFO prior to performing WIPP-related assays. Primary calibration standards shall be obtained from suppliers maintaining a nationally accredited measurement program. When primary standards are not available, the standards used shall be correlated with primary standards obtained from a nationally accredited measurement program. For calorimetry, calibration shall be performed in accordance with Reference A9.

Calibration Verification: Notwithstanding the need to calibrate individual components for replacement, changes or adjustments (e.g., energy calibration of a detector), verification of the radioassay measurement system's calibration shall be performed after any one of the following occurs:

- major system repairs and/or modifications
- replacement of the measurement system's components, e.g., detector, neutron generator or supporting electronic components that have the capacity to affect data
- significant changes to the system's software
- relocation of the system

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Calibration verification shall consist of demonstrating that the system is within the range of acceptable operation. Secondary standards can be used for the calibration verification if their performance has been correlated with the calibration standard. If a verification of the measurement system's calibration or other test demonstrates that the system's response has significantly changed, a re-calibration of the system shall be performed.

Calibration Confirmation: In order to confirm that the calibration of the NDA system was correctly established, the accuracy and precision of the system are determined after each calibration or re-calibration by performing replicate measurements of a non-interfering matrix. Calibration confirmation replicate measurements shall be performed on containers of the same nominal size as those in which actual waste is assayed and according to approved waste assay procedures. The number of replicate measurements to be performed shall be documented and technically justified. The replicate measurements shall be performed using nationally recognized standards, or certified standards derived from nationally recognized standards that span the range of use. The standards used to calculate accuracy shall not be the same as those used for the system calibration. Accuracy is reported as percent recovery (%R). The applicable range for accuracy shall not exceed ± 30 percent on a non-interfering matrix. Precision is reported as percent relative standard deviation (%RSD). The %RSD shall not exceed the values listed in Table A-2, Upper Limits for %RSD vs. Number of Replicates, for the corresponding number of replicate measurements in a non-interfering matrix.

Table A-2. Upper Limits for %RSD vs. Number of Replicates

Number of Replicates	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Max %RSD	1.8	6.6	10.0	12.3	14.0	15.2	16.2	17.1	17.7	18.3	18.8	19.3	19.7	20.0

[a] The values listed are derived from the measured standard deviation of the replicate measurements using $\frac{s}{\mu} \bullet 100\% < \sqrt{\frac{(0.292) \bullet \chi^2_{0.05,n-1}}{n-1}} \bullet 100\%$ where s is the measured standard deviation, n is the number of replicates, Φ is the true value, $\chi^2_{0.05,n-1}$ is the critical value for the upper 5 percent tail of a one-sided chi-squared distribution with n-1 degrees of freedom, and 0.292 corresponds to a 95 percent upper confidence bound on the true system precision limit of 29.2 percent.

Measurement facilities may develop alternate limits for accuracy and precision subject to approval by CBFO prior to certification of waste.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

The CCP NDA standard operating procedures (Table A-2.1) demonstrate and justify that the radioassay techniques used are appropriate for specific waste streams.

Table A-2.1. NDA Procedures

Procedure Title	Procedure Number
CCP Waste Assay Gamma Spectrometer (WAGS) and SWEPP Gamma-Ray Spectrometer (SGRS) Calibration Procedure	CCP-TP-010
CCP Waste Assay Gamma Spectrometer (WAGS) Operating Procedure	CCP-TP-019
CCP Mobile IQ3 System Calibration Procedure	CCP-TP-046
CCP Mobile IQ3 Gamma Scanner Operation	CCP-TP-047
CCP Mobile IQ3 System Data Reviewing, Validating and Reporting Procedure	CCP-TP-048
CCP Operating the High Efficiency Neutron Counter Using NDA 2000	CCP-TP-063
CCP Calibrating the High Efficiency Neutron Counter Using NDA 2000	CCP-TP-064
CCP Gamma Energy Assay (GEA) Calibration, Confirmation, and Verification Procedure	CCP-TP-070
CCP Gamma Energy Assay (GEA) Operating Procedure	CCP-TP-071
CCP Gamma Energy Assay (GEA) Data Review, Validation, and Reporting Procedure	CCP-TP-072
CCP Off-Site Source Recovery Project Sealed Source Radiological Characterization	CCP-TP-101
CCP Data Reviewing, Validating and Reporting Procedure for the High Efficiency Neutron Counter Using NDA 2000	CCP-TP-103
Operating the CCP High Efficiency Neutron Counter Using NDA 2000	CCP-TP-107
Calibrating the CCP High Efficiency Neutron Counter Using NDA 2000	CCP-TP-108
CCP Data Reviewing, Validating and Reporting Procedure	CCP-TP-109
CCP SWEPP Gamma-Ray Spectrometer (SGRS) Operating Procedure	CCP-TP-115
CCP SuperHENC Operating Procedure	CCP-TP-146
CCP SuperHENC Data Reviewing, Validating and Reporting Procedure	CCP-TP-148
CCP Drum Waste Assay System Imaging Passive/Active Neutron Operations	CCP-TP-166
CCP Drum Waste Assay Imaging Passive/Active Neutron Calibration	CCP-TP-167
CCP Drum Waste Assay System Imaging Passive/Active Neutron/Segmented Gamma Scanner Data Generation Level Validation	CCP-TP-168
CCP Operating the Mobile Segmented Gamma Scanner	CCP-TP-169

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Table A-2.1. NDA Procedures (Continued)

CCP SuperHENC Calibration Procedure	CCP-TP-170
CCP Calibrating the Mobile Segmented Gamma Scanner	CCP-TP-172
CCP Box Segmented Gamma System (BSGS) Operating Procedure	CCP-TP-189
CCP Box Segmented Gamma System (BSGS) Calibration Procedure	CCP-TP-190
CCP Box Neutron Assay System (BNAS) Operating Procedure	CCP-TP-191
CCP Box Neutron Assay System (BNAS) Calibration Procedure	CCP-TP-192
CCP Data Reviewing, Validating, and Reporting Procedure for the Nondestructive Assay Box Counters	CCP-TP-193
Peer Review – Sealed Sources Peer Review Report	Record TWCP-18562

A.4 Quality Control (QC)

To ensure that data of known and documented quality are generated, each participating measurement facility shall implement a documented facility QA program. Any radioassay technique used for TRU waste must be performed in accordance with calibration and operating procedures that have been written, approved, and controlled by the site or testing facility. Laboratory procedures must contain applicable QCs. Facility QA programs shall specify qualitative and quantitative acceptance criteria for the QC checks of this program and corrective action measures to be taken when these criteria are not satisfied. NDA standard operating procedures address QC elements and are listed in Table A-2.1.

A.4.1 General Requirements

Radioassay Training: Only appropriately trained and qualified personnel shall be allowed to perform radioassay and data validation/review. Standardized Training requirements for radioassay personnel shall be based upon existing industry standardized training requirements (e.g., American Society for Testing and Materials [ASTM] C1490, *Standard Guide for Selection, Training and Qualification of Nondestructive Assay [NDA] Personnel* [Reference A8]; American National Standards Institute [ANSI] N15.54, *Radiometric Calorimeters - Measurement Control Program* [Reference A9]) and shall meet the specifications in the QAPD.

Requalification of radioassay personnel shall be based upon evidence of continued satisfactory performance and must be performed at least every two years. The training program is conducted in accordance with procedure CCP-QP-002, *CCP Training and Qualification Plan*.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Software QC Requirements: All computer programs and revisions thereof used for radioassay shall meet the applicable requirements in Section 6.0 of the QAPD (Reference A2) and in accordance with procedure CCP-QP-022, *CCP Software Quality Assurance Plan*.

*Comparison Program*s: Sites using radioassay systems shall participate in any relevant measurement comparison program(s) sponsored or approved by the CBFO. Such programs may be conducted as part of the NDA PDP (References A7 and A10) or through other third parties (Reference: WIPP Compliance Recertification Application including Annual Reports to the EPA).

A.4.2 NDA QC Requirements

The assay procedures cited in various ASTM and ANSI standards (References A9, A11-A15) and NRC standard practices and guidelines (Reference A16) as referenced in this appendix are recommended for use at all testing facilities.

Background Measurements: Background measurements must be performed and recorded daily, unless otherwise approved by CBFO. Contributions to background due to radiation from nearby radiation producing equipment, standards or wastes must be carefully controlled or more frequent background checks must be performed. For calorimeters, basepower or baseline measurements shall be conducted at a frequency determined by each site and approved by CBFO.

Instrument Performance Measurements: Performance checks on calibrated and operable gamma and neutron NDA instruments must be performed and recorded once per operational day. Performance checks shall include efficiency checks (when applicable), matrix correction checks and, for spectrometric instruments, peak position and resolution checks.

Both radioactive sources and surrogate waste matrix containers (both non-interfering and interfering) are used. At least once per operational week an interfering matrix must be used to assess the long-term stability of the NDA instrument's matrix correction. Surrogate waste containers must reflect the type of waste, (e.g., debris, sludge) currently being assayed. To verify calibration, radioactivity standards must be selected such that, over a six-month period, the operating range of the assay system is tested in each applicable surrogate waste matrix. The use of interfering and non-interfering matrices provides a realistic assessment of the assay system's performance over time, and will assist measurement personnel in detecting potential problems relative to the matrices currently assayed by the measurement system.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

Interfering surrogate matrix containers must be constructed in such a way that the waste characteristics do not change over time.

Radioactive sources should be long-lived, easy to position relative to the detector(s), and of sufficient radioactivity to obtain good results with relatively short count times.

Performance checks for calorimetry shall be performed with electrical and/or heat standards traceable to a nationally accredited measurement program at a frequency determined by each site, consistent with Reference A17. This information is specified in site operating procedures and approved by CBFO.

Data Checks: Background (for calorimetry: baseline or base power) and performance measurements shall be reviewed and evaluated at least weekly to determine continued acceptability of the assay system and to monitor performance trends. If daily performance checks result in data that are outside the acceptable range, the required responses in Table A-3 shall be followed.

Table A-3. Range of Applicability

Category	Acceptability Range[a]	Required Response
Acceptable Range	$\ast Data \ast^{c} \# 2\sigma^{b}$	No action required.
Warning Range	$2\sigma^{b} < \ast Data \ast \# 3\sigma^{b}$	The performance check standard shall be rerun no more than two times. If the rerun performance check(s) result in data within ± 2σ, then the additional performance checks shall be documented and work may continue. If the system does not fall within ± 2σ after two rerun performance checks, then the required response for the Action Range shall be followed.
Action Range	$\ast Data \ast > 3\sigma^{b}$	Work shall stop and the occurrence shall be documented and appropriately dispositioned (e.g., initiating a non-conformance report). The radioassay system shall be removed from service pending successful resolution of all necessary actions, and all assays performed since the last acceptable performance check are suspect, pending satisfactory resolution. Recalibration or calibration verification is required prior to returning the system back to service.

[a]Reference A15
[b]"σ" - the standard deviation is only based on the reproducibility of the data check measurements themselves. This is not TMU.
[c]Absolute Value

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

A.5 Data Management

A.5.1 Data Review and Validation

All radioassay data must be reviewed and approved by qualified personnel prior to being reported. At a minimum, the data must be reviewed by a technical reviewer and approved by the SPM. The validation process includes verification that the applicable QCs specified in Section A.4 have been met. Radioassay data is reviewed at the data generation level in accordance with NDA operating procedures listed in Table A-2.1, while data validation and verification at the Project Office is performed in accordance with procedure CCP-TP-001, *CCP Project Level Data Validation and Verification*.

A.5.2 Data Reporting

Radioassay data must be reported to the Site Project Office on a testing batch basis. Batches are defined, for the purpose of the program, as a suite of waste containers undergoing radioassay using the same testing equipment. For NDA, the sites shall specify the size of the testing batch as needed, without regard to waste matrix.

Each radioassay testing facility is required to submit testing BDRs for each testing batch to the site project office on standard forms (either hard copy or electronic equivalent), as provided in approved site-specific documentation. Radioassay testing BDRs shall consist of the following:

- testing facility name, testing batch number, container numbers included in that testing batch, and signature release by the SPM
- table of contents
- background and performance data or control charts for the relevant time period
- data validation per the QAPD (Reference A2, Section 5.3.2) and as described in site procedures (Reference Table A-2.1)
- separate testing report sheet(s) for each container in the testing batch that includes:
  - title “Radioassay Data Sheet”
  - method used for radioassay (i.e., procedure identification)
  - date of radioassay

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

- activities and/or masses of individual radioisotopes present and their associated TMUs (curies and/or grams)
- operator signature/date
- reviewer signature/date

Other radiological properties to be documented for each container include:

- decay heat expressed in Watts (W) and its associated TMU
- total ^{239}Pu FGE expressed in grams (g) and its associated TMU
- TRU alpha activity concentration expressed in curies/gram (Ci/g) and its associated TMU, and
- total ^{239}Pu equivalent activity expressed in Ci

These calculated quantities shall be included in the radioassay BDR or other QA record or database.

When TMU is reported differently on the testing report sheet than in WWIS/WDS, the method of expressing TMU shall be specified on the testing report sheet or associated procedures/QAPjP.

Radioassay data reporting at the data generation level is performed in accordance with NDA operating procedures listed in Table A-2.1, while data validation and verification at the Project Office is performed in accordance with procedure CCP-TP-001. Data reporting in WWIS/WDS is performed in accordance with procedure CCP-TP-030.

A.5.3 Data and Records Retention

QA records are indexed, classified, controlled, and maintained by records management personnel as described in procedure CCP-QP-008, *CCP Records Management*, and the site Records System. Records management is addressed in Section 5.5 of this Plan.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

The following nonpermanent records shall be maintained at the radioassay-testing facilities or shall be forwarded to the Site Project Office for maintenance, and shall be documented and retrievable by testing batch number, in accordance with the QAPD:

- testing batch reports
- all raw data, including instrument readouts, calculation records, and radioassay QC results
- all instrument calibration reports, as applicable

A.6 Quality Characteristics Assessment

Per 40 CFR §194.22(c), there are five "quality characteristics" that must be assessed. These quality characteristics and the method by which they are assessed are described in the following sections.

A.6.1 Data Accuracy

Per 40 CFR §194.22(c)(1), *Data Accuracy* is defined as "the degree to which data agree with an acceptable reference or true value." For NDA methods, this quality characteristic is met and maintained as described in Section A.3.

A.6.2 Data Precision

Per 40 CFR §194.22(c)(2), *Data Precision* is defined as "a measure of the mutual agreement between comparable data gathered or developed under similar conditions expressed in terms of standard deviation." For NDA methods, this quality characteristic is met and maintained as described in Section A.3.

A.6.3 Data Representativeness

Per 40 CFR §194.22(c)(3), *Data Representativeness* is defined as "the degree to which data can accurately and precisely represent a characteristic of a population, a parameter, variations at a sampling point, or environmental conditions." For NDA methods, this quality characteristic for the waste stream is met and maintained through 100 percent measurement confirmation on a payload container basis. For NDA, since the entire waste container is subjected to measurement, representativeness pertaining to the actual measurement is not applicable.

Appendix 1 – Radioassay Requirements for Contact-Handled Transuranic Waste (Continued)

A.6.4 Data Completeness

Per 40 CFR §194.22(c)(4), *Data Completeness* is defined as "a measure of the amount of valid data obtained compared to the amount that was expected." For NDA methods, this quality characteristic is met and maintained by requiring 100 percent valid results. Any results indicating the NDA measurement was invalid require re-measurement.

A.6.5 Data Comparability

Per 40 CFR §194.22(c)(5), *Data Comparability* is defined as "a measure of confidence with which one data set can be compared to another." For NDA and RC methods, this quality characteristic is addressed by ensuring that all data are produced under the same system of controls. These controls apply to all aspects of the data generation process, including: procurement of analytical instruments; calibration and operation of assay equipment according to industry standards; preparation and use of standardized instrument and data review procedures; and, training of equipment operators and technical/data review personnel to the QAPD, as specified in Section A.4.1. All NDA systems and methods are approved by CBFO prior to use in generating waste characterization data. Additionally, comparison of measured data with AK derived or based values, as applicable, provides a means to assess comparability on a waste stream basis. Although no specific confidence level is specified, these controls provide comparability among all data generated under this program. Sites using radioassay systems shall participate in measurement comparison programs as specified in Section A.4.1.

Appendix 2 – Appendix 1 References

A1 U.S. Nuclear Regulatory Commission. *Peer Review for High-Level Nuclear Waste Repositories,* NUREG-1297, Washington D.C., Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission

A2 U.S. Department of Energy. *Quality Assurance Program Document*. DOE/CBFO-94-1012. Carlsbad, New Mexico, Carlsbad Field Office, U.S. Department of Energy. (http://www.wipp.energy.gov/library/qapd/qapd.pdf)

A3 Currie, Lloyd A., 1968. *Limits for Qualitative Detection and Quantitative Determination*. *Anal.Chem.* 40: 586-93

A4 EPA, 1980. *Upgrading Environmental Radiation Data.* EPA 520/1-80-012, Washington D.C., Office of Radiation Programs, U. S. Environmental Protection Agency

A5 K. C. Smith, R. A. Stroud, K. L. Coop, and J. F. Bresson. 1998. *Total Measurement Uncertainty Assessment for Transuranic Waste Shipments to the Waste Isolation Pilot Plant*. Proceedings of the 6th Nondestructive Assay Waste Characterization Conference, Salt Lake City, Utah, Nov. 17-19, 1998, pp. 21-37

A6 K. L. Coop, J. F. Bresson, M. E. Doherty, B. M. Gillespie, and D. R. Davidson. *Standardized Total Measurement Uncertainty Reporting for WIPP*. Nondestructive Assay Interface Working Group, Salt Lake City, Utah, May 22, 2000

A7 U.S. Department of Energy. *Performance Demonstration Program Plan for Nondestructive Assay of Boxed Wastes for the TRU Waste Characterization Program*. DOE/CBFO-01-1006, Current Revision. Carlsbad, New Mexico, Carlsbad Field Office, U.S. Department of Energy. (http://www.wipp.energy.gov/Documents NTP.htm)

A8 American Society for Testing and Materials. *Standard Guide for Selection, Training and Qualification of Nondestructive Assay (NDA) Personne*l, ASTM C1490, Annual Book of ASTM Standards, Philadelphia, Pennsylvania, American Society for Testing and Materials

A9 American National Standards Institute. *Radiometric Calorimeters - Measurement Control Program*, ANSI N15.54, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Appendix 2 – Appendix 1 References (Continued)

A10 U.S. Department of Energy. *Performance Demonstration Program Plan for Nondestructive Assay of Drummed Wastes for the TRU Waste Characterization Program*. DOE/CBFO-01-1005, Current Revision. Carlsbad, New Mexico, Carlsbad Field Office, U.S. Department of Energy. (http://www.wipp.energy.gov/Documents_NTP.htm)

A11 American Society for Testing and Materials. *Standard Test Method for Determination of Plutonium Isotopic Composition by Gamma-Ray Spectrometry*. ASTM C1030, Annual Book of ASTM Standards, Philadelphia, Pennsylvania, American Society for Testing and Materials

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A13 American Society for Testing and Materials. *Standard Test Method for Nondestructive Assay of Special Nuclear Material in Low Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning*. ASTM C1133, Annual Book of ASTM Standards, Philadelphia, Pennsylvania, American Society for Testing and Materials

A14 American Society for Testing and Materials. *Standard Test Method for Nondestructive Assay of Plutonium, Tritium and 241 Am by Calorimetric Assay*. ASTM C1458, Annual Book of ASTM Standards, Philadelphia, Pennsylvania, American Society for Testing and Materials

A15 American National Standards Institute. *Nondestructive Assay Measurement Control and Assurance*, ANSI N15.36. American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

A16 U.S. Nuclear Regulatory Commission. 1984. *Nondestructive Assay of Special* Nuclear *Material Contained in Scrap and Waste.* Regulatory Guide 5.11, Washington, DC, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission

A17 American National Standards Institute. *Plutonium-Bearing Solids Calibration Techniques for Calorimetric Assay.* ANSI N15.22, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Appendix 3 – Acronyms and Abbreviations

AK	Acceptable Knowledge
ALARA	as low as reasonably achievable
AMAD	activity mean aerodynamic diameter
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
BDR	Batch Data Report
CBFO	Carlsbad Field Office
CAR	Corrective Action Report
CCP	Central Characterization Program
CFR	Code of Federal Regulations
CH	Contact-Handled
CH-TRAMPAC	Contact-Handled Transuranic Waste Authorized Methods for Payload Control
CH-TRU	Contact-Handled Transuranic
Ci	curies
Ci/g	curies/gram
CIN	Container Identification Number
cm^2	Square centimeters
cm^3	Cubic centimeters
CPR	cellulose, plastic, and rubber
DA	Destructive assay
DSA	Documented Safety Analysis
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DPM	disintegrations per minute
DQO	Data Quality Objective
DSA	Documented Safety Analysis
EPA	U.S. Environmental Protection Agency
FEIS	Final Environmental Impact Statement
FEM	fissile equivalent mass
FGE	fissile gram equivalent
g	gram
GGT	gas generation testing
hr	hour
HSG	Headspace Gas
HWFP	Hazardous Waste Facility Permit
ID	identification number
in.	inch
keV	Kiloelectron Volt
kg	kilogram(s)
L	Liter
LLD	lower limit of detection

Appendix 3 – Acronyms and Abbreviations (Continued)

LDR	Land Disposal Restriction
LWA	Land Withdrawal Act
M^3	cubic meter(s)
ml	milliliter(s)
mrem	milliroentogen equivalent man
M&TE	Measuring and Testing Equipment
nCi/g	nanocurie(s) per gram
NDA	nondestructive assay
NCR	Nonconformance Report
NDE	Nondestructive Examination
NEPA	National Environmental Policy Act
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMMA	nuclear material management area
NRC	U.S. Nuclear Regulatory Commission
NTP	National TRU Program
NWP	Nuclear Waste Partnership
OJT	on-the-job training
OPCTCD	Overpack Payload Container Transportation Certification Document
PATCD	Payload Assembly Transportation Certification Document
PCB	polychlorinated biphenyl
PCTCD	Payload Container Transportation Certification Document
PDP	Performance Demonstration Program
PE-Ci	^{239}Pu equivalent curie(s)
POC	point-of-contact
ppm	parts per million
QA	Quality Assurance
QAO	Quality Assurance Objective
QAPD	Quality Assurance Program Document
QAPjP	Quality Assurance Project Plan
QC	Quality Control
QSL	Qualified Suppliers List
%R	Percent Recovery
%RSD	percent relative standard deviation
RC	radiochemistry
RCRA	Resource Conservation and Recovery Act
RCT	Radiological Control Technician
rem	roentgen equivalent man
RH	Remote-Handled
RH-TRAMPAC	Remote-Handled Transuranic Waste Authorized Methods for Payload Control
RIDS	Records Inventory and Disposition Schedule

Appendix 3 – Acronyms and Abbreviations (Continued)

RPD	relative percent difference
RSD	relative standard deviation
RTR	Real-Time Radiography
SAR	Safety Analysis Report
SEIS	Supplemental Environmental Impact Statement
SLB2	standard large box 2
SME	subject matter expert(s)
SNM	Special Nuclear Material
SOW	Statement of Work
SPM	Site Project Manager
SWB	Standard Waste Box
TCO	Transportation Certification Official
TDOP	ten-drum overpack
TMU	total measurement uncertainty
TRAMPAC	Transuranic Authorized Methods for Payload Control
TRU	Transuranic
TRUPACT-II	Transuranic Package Transporter-II
TRUPACT-III	Transuranic Package Transporter-III
TSDF	Treatment, Storage, and Disposal Facility
VE	visual examination
VOC	volatile organic compound
UHWM	Uniform Hazardous Waste Manifest
VEE	Visual Examination Expert(s)
WAC	Waste Acceptance Criteria
WCO	Waste Certification Official
WDS	Waste Data System
WCPIP	*Remote-Handled TRU Waste Characterization Program Implementation Plan*
WIPP	Waste Isolation Pilot Plant
WIPP WAP	Waste Isolation Pilot Plant Waste Analysis Plan
WSPF	Waste Stream Profile Form
WWIS	WIPP Waste Information System

Appendix 4 – Procedure Tables

Table B-1. Container Management Procedures

Procedure Title	Procedure Number
CCP Container Management	CCP-TP-035
CCP Standardized Container Management	CCP-TP-068
CCP Container Management	CCP-TP-120

Table B-2. Radiography Procedures

Procedure Title	Procedure Number
CCP Standard Real-Time Radiography (RTR) Inspection Procedure	CCP-TP-053

Table B-3. VE Procedures

Procedure Title	Procedure Number
CCP Visual Examination Technique for Idaho National Laboratory (INL) Newly Generated TRU Waste	CCP-TP-006
CCP Sealed Source Visual Examination and Packaging	CCP-TP-069
CCP Standard Contact-Handled Waste Visual Examination	CCP-TP-113

Table B-4. GGT Procedures

Procedure Title	Procedure Number
CCP Gas Generation Testing	CCP-TP-083
CCP Execution of Long-Term Objective for the Unified Flammable Gas Test Procedure	CCP-TP-138

Table B-5. Certification Procedures

Procedure Title	Procedure Number
CCP Transuranic Authorized Methods For Payload Control (CCP-CH-TRAMPAC)	CCP-PO-003
CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)	CCP-PO-505
CCP CH-TRU Waste Certification and WWIS/WDS Data Entry	CCP-TP-030
CCP RH-TRU Waste Certification and WWIS/WDS Data Entry	CCP-TP-530

Appendix 4 – Procedure Tables (Continued)

Table B-6. Remote-Handled Procedures

Procedure Title	Procedure Number
CCP Remote-Handled Waste Visual Examination	CCP-TP-500
CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste	CCP-TP-504
CCP Removable Lid Canister Loading	CCP-TP-505
CCP Shipping of Remote-Handled Transuranic Waste	CCP-TP-507
CCP RH Standard Real-Time Radiography Inspection Procedure	CCP-TP-508
CCP Remote-Handled Waste Sampling	CCP-TP-512

Appendix 5 – PE-Ci Activity

The concept of PE-Ci is intended to eliminate the dependency of radiological analyses on specific knowledge of the radionuclide composition of a TRU waste stream. A unique radionuclide composition and/or distribution are associated with most TRU waste streams at each site. By normalizing all radionuclides to a common radiotoxic hazard index, radiological analyses that are essentially independent of these variations can be conducted for the WIPP facility. ^{239}Pu, as a common component of most defense TRU wastes, was selected as the radionuclide to which the radiotoxic hazard of other TRU radionuclides could be indexed.

Modeled operational releases from the WIPP facility, including both routine and accident-related, are airborne. There are no known significant liquid release pathways during the operational phase of the facility. This, and the fact that TRU radionuclides primarily represent inhalation hazards, allows a valid relationship to be established, which normalizes the inhalation hazard of a TRU radionuclide to that of ^{239}Pu for the purpose of the WIPP radiological analyses. In effect, the radiological dose consequences of an airborne release of a quantity of TRU radioactivity with a known radionuclide distribution will be essentially identical to that of a release of that material expressed in terms of a quantity of ^{239}Pu. To obtain this correlation, the 50-year effective whole-body dose commitment or dose conversion factor for a unit intake of each radionuclide will be used.

For a known radioactivity quantity and radionuclide distribution, the ^{239}Pu equivalent activity is determined using radionuclide-specific weighting factors. The ^{239}Pu equivalent activity (AM) can be characterized by:

$$AM = \sum_{i=1}^{K} A_i / WF_i$$

where K is the number of TRU[1] radionuclides, A_i is the activity of radionuclide i, and WF_i is the PE-Ci weighting factor for radionuclide i.

WF_i is further defined as the ratio

$$WF_i = E_o / E_i$$

where E_o (roentgen equivalent man [rem]/µCi) is the 50-year effective whole-body dose commitment due to the inhalation of ^{239}Pu particulates with a 1.0 µm activity median aerodynamic diameter (AMAD) and a weekly pulmonary clearance class, and E_i

[1]TRU as designated in this equation refers to any radionuclide with an atomic number greater than 92 and including ^{233}U.

Appendix 5 – PE-Ci Activity (Continued)

(rem/µCi) is the 50-year effective whole-body dose commitment due to the inhalation of radionuclide (*i*) particulates with a 1.0 µm activity median aerodynamic diameter and the pulmonary clearance class resulting in the highest 50-year effective whole-body dose commitment.

Weighting factors calculated in this manner are presented in Table C-1 for radionuclides typically present in CH-TRU waste. If other TRU radionuclides are determined to be present in the payload container, their weighting factors can be obtained from the values of E_o and E_i contained in DOE/EH-0071 (Reference B1).

Table C-1. PE-Ci Weighting Factors for Selected Radionuclides

Radionuclide	Pulmonary Clearance Class[a]	Weighting Factor
^{233}U	Y	3.9
^{237}Np	W	1.0
^{236}Pu	W	3.2
^{238}Pu	W	1.1
^{239}Pu	W	1.0
^{240}Pu	W	1.0
^{241}Pu	W	51.0
^{242}Pu	W	1.1
^{241}Am	W	1.0
^{243}Am	W	1.0
^{242}Cm	W	30.0
^{244}Cm	W	1.9
^{252}Cf	Y	3.9

[a](W) Weekly, (Y) Yearly

Reference for Appendix 5

B1. U.S. Department of Energy. *Internal Dose Conversion Factors for Calculation of Dose to the Public.* DOE/EH-0071, July 1988.

Appendix 6 – Glossary

10-160B Packaging – An NRC-certified Type B transportation packaging used for transportation of TRU wastes.

Acceptable knowledge (AK) – Any information about the process used to generate waste, material inputs to the process, and the time period during which the waste was generated, as well as data resulting from the analysis of waste, conducted prior to or separate from the waste certification process authorized by EPA's Certification Decision, to show compliance with Condition 3 of the certification decision (Appendix A of this part) (40 CFR §194.2 and 194.67).

Activity – A measure of the rate at which a material emits nuclear radiation, usually given in terms of the number of nuclear disintegrations occurring in a given length of time. The common unit of activity is the curie, which amounts to 37 billion (3.7×10^{10}) disintegrations per second. The International Standard unit of activity is the becquerel and is equal to one disintegration per second.

Administrative controls – Provisions relating to organization and management, procedures, record keeping, assessment, and reporting necessary to ensure the safe operation of the facility.

Atomic energy defense activities – Activities of the Secretary of Energy (and predecessor agencies) performed in whole or in part in carrying out any of the following functions: naval reactors development; weapons activities, including defense inertial confinement fusion; verification and control technology; defense nuclear material production; defense nuclear waste and materials by-product management; defense nuclear materials security investigations; and defense research and development.

Authorization basis – Those aspects of the facility design and operational requirements relied upon by DOE to authorize the operation of nuclear facilities and processes.

Characterization – Sampling, monitoring, and analysis - whether by review of AK, nondestructive examination, NDA, or RC - to identify and quantify the constituents of a waste material.

Chemical compatibility – Assessing the properties of chemicals in a payload container (>1 weight percent); there must be no adverse safety or health hazards produced as a result of any mixtures that occur.

Appendix 6 – Glossary (Continued)

Completeness – The percentage of measurements made that are judged to be valid measurements. The completeness goal is to generate a sufficient amount of valid data based on program needs. Valid results for radioassay, and radiography data are those that were obtained when the laboratory or testing facility demonstrated that the instrumentation and method were in control; that is, that all calibration, verification, interference, and zero matrix checks met acceptance criteria.

Compressed gas – Compressed gases are those materials defined as such by 49 CFR Part 173, Subpart G.

Contact-Handled transuranic waste – Transuranic waste with a surface radiation dose equivalent rate not greater than 200 mrem/h.

Contact-Handled Transuranic Waste Authorized Methods for Payload Control (CH-TRAMPAC) – The governing document for shipments in the TRUPACT-II and the HalfPACT packagings.

Content code – A uniform system applied to waste forms to group those with similar characteristics for purposes of shipment in the TRUPACT-II, TRUPACT-III, HalfPACT, and RH-TRU 72-B packagings.

Corrosive/Corrosivity – A solid waste exhibits corrosivity if a sample of the waste is either aqueous and has a pH $\leq$2 or $\geq$ 12.5, or it is a liquid and corrodes steel at a rate >6.35 millimeter (0.250 in.) per year at a test temperature of 55°Celsius (130°Fahrenheit) (40 CFR §261.22).

Curie – A unit of activity equal to 37 billion (3.7×10^{10}) disintegrations per second.

Disposal – Permanent isolation of TRU waste from the accessible environment with no intent of recovery, whether or not such isolation permits the recovery of such waste (Reference 2, Section 2[5]).

Dose conversion factor – A numerical factor used in converting radionuclide uptake (curies) in the body to the resultant radiation dose (rem).

Dose equivalent rate – The radiation dose equivalent delivered per unit time (e.g., rem per hour).

Drum – Includes 55-gallon, 85-gallon, and 100-gallon drums as described in the CH-TRAMPAC and HWFP.

Fissile gram equivalent – An isotopic mass of radionuclide normalized to ^{239}Pu.

Appendix 6 – Glossary (Continued)

Fissile material – Any material consisting of or containing one or more radionuclides that can undergo neutron-induced fission with neutrons of essentially zero kinetic energy (e.g., thermal neutrons) such as ^{233}U, ^{235}U, and ^{239}Pu.

HalfPACT – An NRC-certified Type B transportation packaging used for transportation of CH-TRU wastes.

Hazardous waste – Those wastes which are designated hazardous by EPA (or state) regulations. For a detailed description, see 40 CFR § 261.3. Hazardous wastes are listed in 20.4.1 New Mexico Administrative Code (NMAC), subpart II (40 CFR Part 261) and/or exhibit one of the four characteristics in 20.4.1 NMAC, subpart II (40 CFR Part 261) (i.e., ignitability, corrosivity, reactivity, and toxicity).

Headspace – The total contained volume of a container minus the volume occupied by the waste material.

Headspace gas – The gas within the headspace of a container.

Internal container – A container inside the outermost container examined during radiography or VE. Drum liners, liner bags, plastic bags used for contamination control, capillary-type lab ware, and debris not designed to hold liquid at the time of original waste packaging are not internal containers (Reference 9, Part 1, Section 1.5.17).

Lower Limit of Detection – The level of radioactivity which, if present, will yield a measured value greater than the critical limit with a 95 percent probability. The critical limit is defined as that value which measurements of the background will exceed with a 5 percent probability.

Machine-Compacted Waste – Waste whose volume has been reduced using a mechanical process.

Observable liquid – Liquid that is observable using radiography or VE (Reference 9, Part 1, Section 1.5.18)

Overpack - A container put around another container.

Package – (1) A packaging plus its contents. (2) The reusable Type B shipping container (i.e., TRUPACT-II, TRUPACT-III, HalfPACT, RH-TRU 72-B, and 10-160B) loaded with TRU waste payload containers, which has been prepared for shipment in accordance with the package QA program. (3) In the regulations governing the transportation of radioactive materials, the packaging, together with its radioactive contents, as presented for transport.

Appendix 6 – Glossary (Continued)

Packaging – The reusable Type B shipping container for transport of TRU waste payload containers (i.e., TRUPACT-II, TRUPACT-III, HalfPACT, RH-TRU 72-B, and 10-160B).

Packaging Quality Assurance Program – A site-specific document that defines the quality assurance and quality control activities applicable to usage of the NRC-approved packaging. This program shall meet the requirements of 10 CFR Part 71, Subpart H.

Payload container – The outermost container (i.e., a drum, shielded container, SLB2, SWB, TDOP, or canister) for TRU waste material that is placed in a reusable Type B shipping container (i.e., a TRUPACT-II, TRUPACT-III, HalfPACT, RH-TRU 72-B, and 10-160B) for transport.

Payload assembly – An assembly of payload containers qualified for transport in a TRUPACT-II, HalfPACT, or 10-160B.

Pipe overpack – A packaging configuration consisting of a vented cylindrical pipe component surrounded by dunnage within a vented 55-gallon drum with a rigid polyethylene liner and vented lid.

Plutonium-239 equivalent activity – An equivalent radiotoxic hazard of a radionuclide normalized to ^{239}Pu.

Precision – A measure of mutual agreement among individual measurements of the same property made under prescribed similar conditions; often expressed as a standard deviation or relative percent difference (RPD).

Pyrophoric – Materials that may ignite spontaneously in air or that emit sparks when scratched or struck, especially with materials such as steel. A flammable solid that, under transport conditions, might cause fires through friction or retained heat or that can be ignited readily and, when ignited, burns vigorously and persistently so as to create a serious transportation hazard. Included in the pyrophoric definition are spontaneously combustible materials, water reactive materials, and oxidizers. Examples of nonradioactive pyrophorics are organic peroxides, sodium metal, and chlorates.

Radioassay – Methods used to identify and quantify radionuclides in TRU waste. Radioassay includes NDA and RC.

Radiography – A nondestructive testing method that uses x-rays to inspect and determine the physical form of waste.

Radionuclide – A nuclide that emits radiation by spontaneous transformation.

Remote-Handled transuranic waste – Transuranic waste with a surface dose rate of 200 millirem per hour or greater (Reference 2, Section 2[12]).

Appendix 6 – Glossary (Continued)

Remote-Handled Transuranic Waste Authorized Methods for Payload Control (RH-TRAMPAC) – The governing document for shipments in the RH-TRU 72-B packaging (Reference 41).

RH-TRU Waste Canister – Container that is transported in the RH-TRU 72B Cask.

RH-TRU 72-B Packaging – An NRC-certified Type B transportation packaging used for transportation of RH TRU wastes.

Shielded container – A metal payload container authorized for use within the HalfPACT packaging, that has been tested by DOE to meet DOT Specification 7A Type A requirements. It is approximately the same size as a standard 55-gallon drum, contains one 30-gallon steel drum, and incorporates a nominal 1-inch layer of lead lining to shield waste forms with high gamma energies. Although the shielded container is managed during handling, shipment, storage, and disposal as a CH payload container, the waste contained in a shielded container is characterized and inventoried in the WWIS as RH waste.

Shipper – A TRU waste site that releases an NRC-approved packaging to a carrier for shipment.

Shipping category – A shipping category is defined by the following parameters: chemical composition of the waste (waste type), gas generation potential of the waste material type (quantified by the g-value for hydrogen), and gas release resistance (type of payload container and type and maximum number of confinement layers used).

Sites – Department of Energy TRU waste generator/storage sites.

Standard large box 2 – A specialized metal payload container with a top-loading and a bottom-loading option for use within the TRUPACT-III packaging, that has been tested by DOE to meet DOT Specification 7A Type A requirements.

Standard waste box – A metal payload container authorized for use within the TRUPACT-II or HalfPACT packaging, that has been tested by DOE to meet DOT Specification 7A Type A requirements.

Summary Category Group – Used to segregate TRU mixed wastes into broad groups having similar physical forms. The summary category groups include homogeneous solids (S3000) that are at least 50 percent by volume solid process residues, soil/gravel (S4000) that is at least 50 percent by volume soil/gravel, and debris (S5000) that is at least 50 percent by volume materials that meet the criteria specified in 20.4.1.800 New Mexico Administrative Code (incorporating 40 CFR §268.2[g]). Categorization is based on the Summary Category Group constituting the greatest volume of waste for a waste stream (Reference 9, Attachment C).

Appendix 6 – Glossary (Continued)

Ten-drum overpack – A metal payload container authorized for use within the TRUPACT-II packaging, that has been tested by DOE to meet DOT Specification 7A Type A requirements.

Test Category – Payload containers that do not meet the analytical category decay heat limits or whose concentration of flammable volatile organic compounds (VOCs) in the headspace exceeds 500 ppm are classified as test category (References 23a and 23b, Section 5.2.2).

Trace chemicals/materials – Chemicals/materials that occur individually in the waste in quantities less than 1 weight percent. The total quantity of trace chemicals/materials not listed as allowed materials for a given waste material type in any payload container is restricted to less than 5 weight percent (References 23a and 23b, Section 4.3.1, Reference 41, Section 4.3.1).

TRU isotope – An isotope of any element having an atomic number greater than uranium (i.e., 92).

TRU waste – Waste containing more than 100 nCi of alpha-emitting TRU isotopes per gram of waste, with half-lives greater than 20 years, except for (1) high-level radioactive waste, (2) waste that the Secretary has determined, with the concurrence of the Administrator, does not need the degree of isolation required by the disposal regulations, or (3) waste that the NRC has approved for disposal on a case-by-case basis in accordance with 10 CFR Part 61 (Reference 2, Section 2[18]).

TRU mixed waste – TRU waste that is also a hazardous waste as defined by the Hazardous Waste Act and 20.4.1.200 NMAC (incorporating 40 CFR § 261.3) (Reference 9, Part 1, Section 1.5.7).

TRUPACT-II – An NRC-certified Type B transportation packaging used for transportation of CH-TRU wastes.

TRUPACT-III – An NRC-certified Type B transportation packaging used for transportation of CH-TRU wastes in the SLB2 container.

TRUPACT-III Transuranic Waste Authorized Methods for Payload Control (TRUPACT-III TRAMPAC) – The governing document for shipments in the TRUPACT-III packaging (Reference 23b, Section 1).

Verification – The act of authenticating or formally asserting the truth that a process, item, data set, or service is, in fact, that which is claimed. Data verification is the process used to confirm that all review and validation procedures have been completed.

Appendix 6 – Glossary (Continued)

Volatile organic compounds – For the purposes of the TRU waste program, those RCRA-regulated VOCs listed in the WIPP WAP and any additional compounds tentatively identified by VOC analytical procedures used to satisfy program requirements (i.e., any compound containing carbon and hydrogen with any other element that has a vapor pressure of 77.6 milliliters (ml) of mercury (1.5 psia) or greater under actual storage conditions).

Waste Acceptance Criteria – Constraints (limits) on the physical, chemical, and radiological properties of TRU waste and its packaging as determined by WIPP's authorization basis requirements. TRU waste will not be approved for shipment to and disposal at the WIPP until it has been certified as meeting these criteria. Waste Acceptance Criteria ensure that TRU waste is managed and disposed of in a manner that protects human health and safety and the environment.

Waste Analysis Plan – The waste analysis plan includes test methods, details of planned waste analysis for complying with the general waste analysis requirements of 20.4.1.500 NMAC (incorporating 40 CFR 264.13), a description of the waste shipment screening and verification process, and a description of the QA/QC program. Sites are required to implement the applicable requirements of the WIPP WAP.

Waste characterization – The process of determining that TRU waste meets the requirements of the WAC by the acceptable performance of the activities defined by CBFO-approved site-specific plans.

Waste certification – Formal and documented declaration by sites that waste has been characterized and meets the requirements of the WAC.

Waste matrix code – A DOE-developed coding system for grouping waste streams that have similar matrix constituents, especially for treatment objectives. This coding system allows waste streams within the DOE TRU waste system that have similar physical and chemical waste form properties to be categorized together (Transuranic Waste Baseline Inventory Report - 2004, DOE/TRU-2006-3344).

Waste stream – A waste stream is waste materials that have common physical form, that contain similar hazardous constituents and that are generated from a single process or activity (Reference 9, Appendix C).

WIPP Waste Information System – A computerized data management system used by WIPP to gather, store, and process information pertaining to CH and RH-TRU waste destined for or disposed of at WIPP. The WWIS database is a subsystem of the WDS.

Appendix 7 – Payload Container Integrity Checklist

The Operator is to visually examine 100 percent of the payload container exterior to determine if the payload container meets the criteria of Section 3.2.1. At a minimum, sites shall incorporate the questions and criteria contained in the following checklist into applicable site procedures (see CCP-TP-033, *CCP Shipping of CH-TRU Waste*). This payload container inspection shall be performed and documented as a part of the TRUPACT-II, TRUPACT-III, or HalfPACT loading process. Any YES answer on the inspection checklist will result in the operator discontinuing the inspection, marking the payload container as unacceptable for shipment, and removal of the payload container from the shippable inventory. Before the rejected container can be shipped, it must undergo appropriate corrective actions (e.g., evaluation, repackaging, overpacking), as applicable. All containers must have an acceptable and complete inspection checklist documenting that it meets the DOT 7A criteria. Personnel complete the following payload container integrity checklist in accordance with procedure CCP-TP-033.

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	COMPLIANCE	
1.	Is the payload container obviously degraded?	Obviously degraded means clearly visible and potentially significant defects in the payload container or payload container surface.	YES	NO
2.	Is there evidence that the payload container is, or has been, pressurized?	Pressurization can be indicated by a fairly uniform expansion of the sidewalls, bottom or top. Past pressurization can be indicated by a notable outward deflection of the bottom or top. Verify that the payload container is not warped.	YES	NO

Appendix 7 – Payload Container Integrity Checklist (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	COMPLIANCE	
3.	Is there any potentially significant rust or corrosion such that wall thinning, pin holes, or breaches are likely or the load bearing capacity is suspect?	Rust shall be assessed in terms of its type, extent, and location. Pitting, pocking, flaking, or dark coloration characterizes potentially significant rust or corrosion. This includes the extent of the payload container surface area covered, thickness, and, if it occurs in large flakes or built-up (caked) areas. Rusted payload containers may not be accepted if: A.1 Rust is present in caked layers or deposits A.2 Rust is present in the form of deep metal flaking, or built-up areas of corrosion products In addition, the location of rust should be noted; for example on a drum: top lid; filter region; locking chine; top one-third, above the second rolling hoop; middle one-third, between the first and second rolling hoops; bottom one-third, below the second rolling hoop; and on the bottom. Payload containers may still be considered acceptable if the signs of rust show up as: A.1 Some discoloration on the payload container A.2 If rubbed would produce fine grit or dust or minor flaking (such that wall thinning does not occur).	YES	NO
4.	Are any of the following apparent? A.1 wall thinning A.2 pin holes A.3 breaches	Wall thinning, pin holes, and breaches can be a result of rust/corrosion (see discussion for #3).	YES	NO
5.	Are there any split seams, tears, obvious holes, punctures (of any size), creases, broken welds, or cracks?	Payload containers with obvious leaks, holes or openings, cracks, deep crevices, creases, tears, broken welds, sharp edges or pits, are either breached or on the verge of being breached. Verify that there is no warpage that could cause the container to be unstable or prevent it from fitting properly in the applicable package.	YES	NO
6.	Is the load-bearing capacity suspect?	The load-bearing capacity could be reduced for excessive rust (see discussion for #3), wall thinning (see discussion for #4), breaches, cracks, creases, broken welds, etc. (see discussion for #5).	YES	NO

Appendix 7 – Payload Container Integrity Checklist (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	COMPLIANCE	
7.	Is the payload container improperly closed?	Inspect the fastener and fastener ring (chine) if applicable for damage or excessive corrosion. Check the alignment of the fastener to ensure that it is in firm contact around the entire lid and the payload container will not open during transportation.	YES	NO
8.	Are there any dents, scrapes, or scratches that make the payload container's structural integrity questionable or prevent the top and bottom surfaces from being parallel?	Deep gouges, scratches, or abrasions over wide areas are not acceptable. If top and bottom surfaces are not parallel, this would indicate that the container is warped. Dents should be less than 1/4 in. deep by 3-inches long and between ½ in. to 6-inches wide. All other dents must be examined to determine impact of structural integrity.	YES	NO
9.	Is there discoloration which would indicate leakage or other evidence of leakage of material from the payload container?	Examine the payload container regions near vents, top lid fittings, bottom fittings, welds, seams and intersections of one or more metal sheets or plates. Payload containers must be rejected if evidence of leakage is present.	YES	NO
10.	Is the payload container bulged?	For the purposes of this examination, bulging is indicated by: A.1 A fairly uniform expansion of the sidewalls, bottom, or top (e.g., in the case of a drum, either the top or bottom surface protrudes beyond the planar surface of the top or bottom ring. A.2 A protrusion of the side wall (e.g., in the case of a drum, beyond a line connecting the peaks of the surrounding rolling hoops or a line between a surrounding rolling hoop and the bottom or top ring), or A.3 Expansion of the sidewall (e.g., in the case of a drum, such that it deforms any portion of a rolling hoop).	YES	NO

Appendix 7 – Payload Container Integrity Checklist (Continued)

References to Appendix 7

1. INEEL Engineering Design File "*Waste Container Integrity Evaluation for Storage"*, EDF-RWMC-705, September 25, 1996. Idaho National Engineering and Environmental Laboratory, Idaho Falls, ID

2. Title 49 CFR Part 173, Subpart 475. *"Quality Control Requirements Prior to Each Shipment of Class 7 (Radioactive) Materials." Code of Federal Regulations,* Washington, D.C., Office of the Federal Register, National Archives and Records Administration. (http://www.ecfr.gov)

3. DOE/RL-96-57, Section 2.5.5. *"Test & Evaluation Document for the U. S. Department of Transportation Specification 7A type to Packaging"* (Formerly WHC-EP-0558) (http://rampac.energy.gov/certinfo/special/noncertified/dot7a/pdot7a.aspx)

Appendix 8 – Payload Management of TRU Alpha Activity Concentration

1.0 Scope

The policies and methods for the management of TRU alpha activity concentration within each TRU waste payload container disposed of at the WIPP are set out in this appendix. They are based on the definition of TRU waste in the *WIPP LWA*, Public Law 102-579. The LWA defines TRU waste as:

"…waste containing more than 100 nanocuries of alpha emitting transuranic isotopes per gram of waste, with half lives greater than 20 years…" (Sec. 2[18]).

This appendix pertains specifically to the payload management of TRU alpha activity concentration of waste containers selected for overpacking.

2.0 Policies

The Office of National TRU Program has established the following policies for managing TRU alpha activity concentration in compliance with the LWA: (References 1, 2, and 3)

- The TRU alpha activity concentration limit for TRU waste (> 100 nCi/g) applies to the TRU waste stream as a whole.

- Waste containers belonging to a TRU waste stream may vary in their TRU alpha activity concentration, some containing > 100 nCi/g and some containing < 100 nCi/g. Using process knowledge in combination with radioassay measurements to determine the presence of TRU isotopes within the waste stream, generator sites define a TRU waste stream based on its potential to include waste containers with a TRU alpha activity concentration in excess of 100 nCi/g.

- Waste containers belonging to the same TRU waste stream may be overpacked into a payload container (e.g., SWB or TDOP) provided the TRU alpha activity concentration of the payload container exceeds 100 nCi/g.

Appendix 8 – Payload Management of Transuranic (TRU) Alpha Activity Concentration (Continued)

3.0 Prerequisites for Implementation

- Each waste container selected for payload management must be part of the TRU waste stream identified in the AK Summary Report for that waste stream (References 2 and 3).

- Sites shall submit to the CBFO, for its review and approval, applicable plans and procedures for making TRU waste determinations based on payload management practices that involve the overpacking of waste containers (Reference 2).

- CBFO will notify the EPA of sites seeking such authorization prior to CBFO's approval of a site to manage TRU alpha activity concentration using payload management. The WIPP will not accept payload managed waste for disposal until EPA has received notice (Reference 3).

4.0 Implementation and Practice

- Each TRU waste stream selected for payload management must include in its AK Summary Report an estimate of the total waste volume and the percentage of the waste volume that is above and below 100 nCi/g (It should be noted that this information, although based on the best available AK information, is preliminary and subject to the performance of WIPP certified NDA measurements and cannot and will not be used as a measure of AK accuracy) (Reference 3).

- Each waste container selected for payload management must contain at least one TRU isotope (e.g., Pu-238, Pu-239, Pu-240, Pu-242) whose activity exceeds the LLD of the radioassay system used to characterize the waste (References 2 and 3). The applicability of LLD will vary from system to system and may be on a container basis. Sections 3.3.1 and A.3 of this document provide the applicable requirements for determining and reporting LLDs.

- Each waste container selected for payload management may only be overpacked into a payload container (e.g., SWB or TDOP) with other waste containers from the same TRU waste stream.

- The TRU alpha activity concentration of the payload container is determined according to Sections 3.3.3 and 4.3.3 of this document.

Appendix 8 – Payload Management of Transuranic (TRU) Alpha Activity Concentration (Continued)

5.0 References

1. Public Law 102-579, 106 Stat.4777, 1992 (as amended by Public Law 104-201, 1996). *Waste Isolation Pilot Plant Land Withdrawal Act* (http://www.wipp.energy.gov/library/cra/baselinetool/documents/regulatory%20tools/10%20WIPPLWA1996.pdf)

2. Letter to Mr. Frank Marcinowski (Director, Office of Radiation and Indoor Air, U.S. Environmental Protection Agency) from Dr. Ines R. Triay (Manager, Carlsbad Field Office, U.S. Department of Energy), August 4, 2003

3. Letter to Dr. Ines R. Triay (Manager, Carlsbad Field Office, U.S. Department of Energy) from Mr. Frank Marcinowski (Director, Office of Radiation and Indoor Air, U.S. Environmental Protection Agency), August 8, 2003

Appendix 9 – Radiography Requirements for Contact-Handled Transuranic Waste

9.1 Radiography Requirements for Contact-Handled Waste

Radiography aids in the examination and identification of containerized waste. All activities required to achieve radiography objectives shall be described in site Program documents as identified in Appendix 4, Table B-2. These documents shall include instructions specific to the radiography systems used at the site. This appendix applies to radiography of CH waste; requirements for radiography of RH waste are found in the WCPIP.

A radiography system (e.g., real-time radiography or digital radiography/computed tomography), normally consists of an x-ray producing device, an imaging system, an enclosure for radiation protection, a waste container handling system, an audio/video recording system, and an operator control and data acquisition station. Although these six components are required, it is expected there will be some variation within a given component between sites. The radiography system shall have controls or an equivalent process which allow the operator to control image quality. On some radiography systems, it should be possible to vary the voltage between 150 and 400 kilovolts to provide an optimum degree of penetration through the waste.

To perform radiography, the waste container is scanned while the operator views the video monitor. An audio/video recording shall be made of the waste container scan and is maintained as a non-permanent record. A radiography data form shall also be used to document the Waste Matrix Code; verify there are no ignitable, reactive, or corrosive wastes present by verification that there is no observable liquid in excess of the waste acceptance criteria and there are no compressed gases; and estimated waste material parameter weights of the waste.

The estimated waste material parameter and weights for CH waste should be determined by compiling an inventory of waste items and packaging materials. The items on this inventory should be sorted by waste material parameter and combined with a standard weight look-up table to provide an estimate of waste material parameter weights.

Containers whose contents prevent full examination of the remaining contents shall be subject to visual examination unless the site certifies that visual examination would provide no additional relevant information for that container using acceptable knowledge for the waste stream.

For containers which contain classified shapes and undergo radiography, the radiography recording shall be considered classified information. The radiography data forms will not contain classified information.

Appendix 9 – Radiography Requirements for Contact-Handled Waste (Continued)

9.2 Radiography Training

The radiography system involves qualitative and semi-quantitative evaluations of visual displays. Operator training and experience are the most important considerations for assuring quality controls in regard to the operation of the radiography system and for interpretation and disposition position of radiography results. Only trained and qualified radiography operators shall be allowed to operate radiography equipment.

Standardized training and qualification requirements for radiography operators shall be based upon existing industry standard training requirements and shall comply with the training and qualification requirements of this document and the QAPD.

The site shall develop a training program that provides radiography operators with both formal and OJT. Radiography operators shall be instructed in the specific waste generating practices, typical packaging configurations, and associated waste material parameters expected to be found in each Waste Matrix Code at the site.
The OJT and apprenticeship shall be conducted by an experienced, qualified radiography operator prior to qualification of the training candidate. The training programs shall be site-specific due to differences in equipment, waste configurations, and the level of waste characterization efforts. For example, certain sites use digital radiography equipment, which is more sensitive than real-time radiography equipment. In addition, the particular physical forms and packaging configurations at each site will vary; therefore, radiography operators shall be trained on the types of waste that are generated, stored, or characterized at that particular site.

The training program shall contain the following elements:

- Project Requirements
- State and Federal Regulations
- Basic Principles of Radiography
- Radiographic Image Quality
- Radiographic Scanning Techniques
- Application Techniques
- Radiography of Waste Forms
- Standards, Codes, and Procedures for Radiography
- Site-Specific Instruction

Appendix 9 – Radiography Requirements for Contact-Handled Waste (Continued)

The training program shall also contain OJT which addresses:

- System Operation
- Identification of Packaging Configurations
- Identification of Waste Material Parameters
- Weight and Volume Estimation
- Identification of Prohibited Items

Radiography test drums shall contain items common to the waste streams to be generated and stored at the site. The test drums shall be divided into layers with varying packing densities or different drums may be used to represent different situations that may occur during radiography examination at the site. Test drums shall be representative of the waste matrix codes for which WSPF approval is sought. Test drums shall be examined and successfully identified prior to waste stream shipment. The following is a list of required elements of a radiography test drum:

- A punctured aerosol can
- Pigtails on polyliners (horsetail bag)
- Pair of coveralls
- Empty bottle
- Irregular shaped pieces of wood
- Empty one-gallon paint can
- Full container
- Aerosol can with fluid
- One-gallon bottle with three tablespoons of fluid
- One-gallon bottle with one cup of fluid (upside down)
- Leaded glove or leaded apron
- Wrench

These items shall be successfully identified by the operator as part of the qualification process. Qualifications of radiography operators shall, at a minimum, encompass the following requirements:

- Successfully pass a comprehensive exam based upon training enabling objectives. The comprehensive exam will address all of the radiography operations, documentation, characterization and procedural elements stipulated in this WAC.

- Perform a practical capability demonstration in the presence of appointed site radiography SME. The person will be an experienced radiography operator who is also qualified as an OJT trainer.

Appendix 9 – Radiography Requirements for Contact-Handled Waste (Continued)

Re-qualifications of operators are based on evidence of continued satisfactory performance (primarily audio/video recording reviews), and shall be done at least every two years. Unsatisfactory performance will result in disqualification. Unsatisfactory performance is defined as the misidentification of a prohibited item in a training drum or a score of less than 80 percent on the comprehensive exam. Retraining and demonstration of satisfactory performance are required before a disqualified operator is again allowed to operate the radiography system.

A training drum with internal containers of various sizes shall be scanned semiannually by each operator. The audio/video recording shall then be reviewed by a supervisor to ensure that operator's interpretations remain consistent and accurate. Imaging system characteristic shall be verified on a routine basis.

9.3 Quality Control

Independent replicate scans and replicate observations of the video output of the radiography process shall be performed under uniform conditions and procedures. Independent replicate scans shall be performed on one waste container per day or once per testing batch, whichever is less frequent. Independent observation of one scan (not the replicate scan), shall be made once per day or once per testing batch, whichever is less frequent, by a qualified radiography operator other than the individual who performed the first examination. A testing batch is a suite of waste containers undergoing radiography using the same testing equipment. A testing batch can be up to 20 waste containers without regard to waste matrix.

Oversight functions include periodic audio/video recording reviews of accepted waste containers by a qualified radiography operator other than the operator who dispositioned the waste container. The results of this independent verification shall be made available to the radiography operator.

9.4 Data Review and Validation

A testing BDR for data validation and QA purposes is required when radiography is used to characterize waste. A testing BDR (or equivalent), includes data pertaining to radiography for up to 20 waste containers or samples.

Appendix 9 – Radiography Requirements for Contact-Handled Waste (Continued)

All measurement data is reviewed and approved by qualified personnel prior to being reported. Reviews shall meet the requirements of the QAPD. At a minimum, the data is reviewed by an independent technical reviewer and approved by the SPM. This review is performed by an individual other than the data generator who is qualified to have performed the initial work. The independent technical reviewer shall verify, at a minimum, the following information:

- Data generation and reduction is conducted in a technically correct manner in accordance with the methods used (verification of procedure and revision).
- Data is reported in the proper units and correct number of significant figures.
- Calculations are verified by a valid calculation program, a spot check of verified calculation programs, and/or 100 percent check of all hand calculations.
- Values that are not verifiable to within rounding or significant difference discrepancies shall be rectified prior to completion of independent technical review.
- The data is reviewed for transcription errors.
- The testing QA documentation for BDRs is complete and includes, as applicable, raw data, calculation records, calibration records (or references to an available calibration package), list of containers in the batch, and QC sample results. Corrective action is taken to ensure that all BDRs are complete and include all necessary raw data prior to completion of the independent technical review.
- QC sample results are within established control limits and, if not, the data have been appropriately dispositioned using the nonconformance process. This includes complete summarized qualitative and quantitative data for all waste containers with data flags or qualifiers.
- Radiography tapes are reviewed (independent observation) on a waste container basis at a minimum of once per testing batch or once per day of operation, whichever is less frequent.
- The container contains no indication that there is liquid in excess of this waste acceptance criteria, no indication of compressed gas, no indication of incompatible wastes, and the physical form matches the Waste Matrix Code.
- The appropriate QAOs have been met.

Appendix 9 – Radiography Requirements for Contact-Handled Waste (Continued)

All data must be approved by the SPM. The SPM shall verify, at a minimum, the following information:

- Data generation-level independent technical review, validation, and verification have been performed as evidenced by the completed review checklists and appropriate signature release. Batch data review checklists are complete.

- BDRs are complete and data are properly reported (e.g., data are reported in the correct units and with the correct number of significant figures).

- Data meet all applicable Quality Assurance Objectives.

The SPM shall provide a SPM Summary and a Data Validation Summary for each BDR. These reports may be combined and shall consist of a detailed checklist documenting that the batch has been adequately reviewed and that the data meet program objectives.

To ensure that data of known and documented quality are generated, each participating measurement facility shall implement a documented facility QA program. Facility QA programs shall specify qualitative and quantitative acceptance criteria for the QC checks of this program, and corrective actions to be taken when these criteria are not satisfied. Only appropriately trained and qualified personnel shall be allowed to perform data validation/review.

Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste

10.1 Visual Examination Requirements for Contact-Handled Waste

This appendix applies to visual examination requirements for CH waste; requirements for visual examination of RH waste are found in the WCPIP.

Contact handled waste container contents may be verified directly by performing VE on the waste container contents. Visual examination may also be performed during packaging or repackaging of waste. The CCP performs VE in accordance with the procedures found in Appendix 4, Table B-3.

VE does not require audio/video recordings of the examination; the examination is documented on a data form and certified with signatures from two qualified VE operators. If the second operator cannot verify the descriptions of the first operator, corrective actions will be taken in accordance with the established QA Program.

VE shall be conducted to describe all contents of a waste container and includes estimated or measured weights of the contents. The description shall clearly identify all discernible waste items, packaging materials, and waste material parameters in the waste container. VE activities are documented on VE data forms.

VE video/audio recordings of containers that contain classified shapes shall be considered classified information. Visual examination data forms will not contain classified information.

Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste (Continued)

10.2 Visual Examination Training

VE shall consist of a semi-quantitative and qualitative evaluation of the waste container contents and may be recorded on audio/video recording media. Standardized training for VE includes both formal classroom training and OJT. Personnel performing VE shall be instructed in the specific waste generating processes, typical packaging configurations, and the waste material parameters expected to be found in each Waste Matrix Code at the site. The OJT and apprenticeship shall be conducted by an operator experienced and qualified in VE prior to qualification of the candidate. The training shall be site-specific to include the various waste configurations at the site. For example, the particular physical forms and packaging configurations at each site will vary so operators shall be trained on types of waste that are generated, stored, or characterized at that particular site. VE operators need only be trained to the physical forms and packaging configurations used on the waste stream that they are examining and packaging. VE personnel shall be requalified once every two years.

Training shall address the following required elements:

- Project Requirements
- State and Federal Regulations
- Application Techniques
- Site-Specific Instruction

Training shall also include OJT that addresses:

- Identification of Packaging Configurations
- Identification of Waste Material Parameters
- Weight and Volume Estimation
- Identification of Prohibited Items

The SPM appoints each Visual Examination Expert (VEE) and ensures the appointment is facility-specific. The VEE shall be familiar with the waste generating processes that have taken place at the site and will also be familiar with all types of waste being characterized at that site. The VEE shall be responsible for the overall direction and implementation of the visual examination at that facility. The VEE shall receive training in the same elements as the visual examination personnel, including both formal training and OJT. Qualification of a VEE shall be based on familiarity with waste generating processes, familiarity with the types of waste being characterized, and meeting the training requirements discussed above. Consistent with other VE personnel, the VEE shall be requalified once every two years. CCP-QP-002 specifies the selection, qualification and training requirements for the VEE.

Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste (Continued)

10.3 Method

Visual examination recorded on video/audio media meet the following minimum requirements:

- The audio/video media shall record the waste packaging event for the container such that all waste items placed into the container are recorded in sufficient detail and shall contain an inventory of waste items in sufficient detail that another trained VE operator can identify the associated waste material parameters.

- The video/audio media shall capture the waste container identification number.

- The personnel loading the waste container shall be identified on the video/audio media or on packaging records traceable to the loading of the waste container.

- The date of loading of the waste container will be recorded on the video/audio media or on packaging records traceable to the loading of the waste container.

VE performed using two operators shall meet the following minimum requirements:

- At least two site personnel who witnessed the packaging of the waste shall approve the data forms or packaging records attesting to the contents of the waste container.

- The data forms or packaging records shall contain an inventory of waste items in sufficient detail that a trained VE operator can identify the associated waste material parameters.

- The container identification number shall be recorded on the data forms or packaging records.

A description of the waste container contents is recorded on a VE data form. The description clearly identifies all waste material parameters and provides enough information to estimate weights of waste material parameters. In cases where bags are not opened, a brief written description of the contents of the bags shall contain an estimate of the amount of each waste type in the bags. The written records of VE are supplemented with the audio/videotape recording, if applicable.

Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste (Continued)

10.4 Data Review and Validation

A testing BDR for data validation and QA purposes is required when VE is used to characterize waste. A BDR (or equivalent), includes data pertaining to VE for up to 20 waste containers or samples.

All measurement data is reviewed and approved by qualified personnel prior to being reported. Reviews meet the requirements of the QAPD. At a minimum, the data is reviewed by an independent technical reviewer and approved by the SPM. This review is performed by an individual other than the data generator who is qualified to have performed the initial work. The independent technical reviewer shall verify, at a minimum, the following information:

- Data generation and reduction were conducted in a technically correct manner in accordance with the methods used (verification of procedure and revision).
- Data were reported in the proper units and correct number of significant figures.
- Calculations have been verified by a valid calculation program, a spot check of verified calculation programs, and/or 100 percent check of all hand calculations.
- Values that are not verifiable to within rounding or significant difference discrepancies must be rectified prior to completion of independent technical review.
- The data have been reviewed for transcription errors.
- The testing QA documentation for BDRs is complete and includes, as applicable, raw data, calculation records and list of containers in the batch. Corrective action will be taken to ensure that all BDRs are complete and include all necessary raw data prior to completion of the independent technical review.
- The container contains no indication that there is liquid in excess of this waste acceptance criteria, no indication of compressed gas, no indication of incompatible wastes, and the physical form matches the Waste Matrix Code.
- The appropriate QAOs have been met.

Appendix 10 – Visual Examination Requirements for Contact-Handled Transuranic Waste (Continued)

All data must be approved by the SPM. The SPM shall verify, at a minimum, the following information:

- Data generation-level independent technical review, validation, and verification were performed as evidenced by the completed review checklists and appropriate signature release. Batch data review checklists are complete.

- BDRs are complete and data are properly reported (e.g., data are reported in the correct units and with the correct number of significant figures).

- Data meet all applicable Quality Assurance Objectives.

The SPM shall provide a SPM Summary and a Data Validation Summary for each BDR. These reports may be combined and shall consist of a detailed checklist documenting that the batch has been adequately reviewed and that the data meet program objectives.

To ensure that data of known and documented quality are generated, each participating measurement facility shall implement a documented facility QA program. Facility QA programs shall specify qualitative and quantitative acceptance criteria for the QC checks of this program, and corrective actions to be taken when these criteria are not satisfied. Only appropriately trained and qualified personnel shall be allowed to perform data validation/review.

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CCP-PO-004

Revision 34

CCP/SRS
Interface Document

EFFECTIVE DATE: 08/29/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
8	02/08/2002	Made editorial changes and other clarification to 2.0, 3.2.1, 3.38, 4.3.1, 4.4.2 H-P, 4.15 through 4.15.7 also updated Figure 1 & 2. Complete rewrite of 4.10 Transportation.
9	05/09/2002	This document is being revised to correct errors and update the work chart in Figure 1 and 2; Three additional procedures were added to 4.13.3 for the STR to review; Incorporated changes requested by Programs Industrial Safety and Hygiene Document Review to 3.5.6; Incorporated additional comments and changes to section 4.11.1, 4.11.2, and 4.13; Added additional procedure to 4.13.6
10	06/27/2002	Made changes to 3.2.1, 3.5.3 and 4.6.2, Updated Figure 2
11	09/20/2002	Clarification to sections 1.1, 1.2, 3.2, 4.2, 4.3, 4.5, 4.6 and 4.13; Added additional procedures to 4.13.3 and 4.13.6 for the STR and the FSR review; Added steps 3.2.9, 3.3.10, 3.5.7, and 4.6.3.
12	04/08/2003	Revised Steps 3.2.1, step 4.7.2.[E] and step 4.1.3 rewrote Section 4.10, Transportation, added new procedures to the lists in Steps 4.13.3 and 4.13.6, and deleted CCP-TP-057 from Step 4.13.3 since that procedure has been cancelled.
13	08/04/2003	Revision to incorporate corrective actions for CAR-SRS-0004-03 for modification of drums; adding VE to be performed under CCP and to incorporate changes in response to SRS QA Audit Report 2003-AR-26-0006.
14	10/09/2003	Revision to incorporate changes to referenced documents and to add VE as an activity conducted under CCP program.
15	05/24/2004	Revised steps 3.2.1, 4.2.3, 4.3.1[C], 4.5.1[A], and [C], 4.10.1, 4.12.1, 4.13.3, and Figures 1 and 2.
16	09/20/2004	Clarified FGE reporting in Section 3.5.3 and 3.5.4; Clarification to Section 4.11.2 and 4.6.2; and editorial changes. Updates to Figures 1 and 2 in response to audit observation I04-10-O-03.
17	10/27/2004	Revised step 4.1.1 and 4.1.1[A] during SRS recertification audit.
18	02/09/2005	Revised based on the Implementation Plan for CCP Characterization Operations Improvements.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
19	03/14/2005	SRS request to reflect facility restrictions within the interface document.
20	11/02/2005	Revised steps 4.13.3 and 4.13.4 to be consistent with step 4.9.1 during CCP SRS Recertification Audit A-06-02.
21	03/31/2006	Revised to formalize process for safety basis interactions with new Section 4.16, Authorization Basis (AB) and Configuration Management. Added new Section 4.17, Procurement and clarified Subcontract Technical Representative (STR)/Facility Safety Representative (FSR) review on documents.
22	11/16/2006	The SRS notification threshold limit for PECi was revised to support a request by SRS. Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
23	01/31/2007	Revised to clarify Authorization Basis and Configuration Management requirements.
24	06/28/2007	Revised for the addition of Remote Handled Waste shipments. Also, added references to the host site notification procedure for characterization results that meet site safety basis notification limits.
25	05/20/2008	Revised to correspond to changes to the Statement of Work 1E8863, Revision 7, *Characterization of SRS TRU Waste*, incorporated editorial changes, updated the Subcontract Technical Representative (STR) review and concurrence procedure list, and incorporated Remote-Handled (RH) Dose-To-Curie (DTC) Characterization.
26	08/26/2008	Added Headspace Gas Summa® sampling and analysis procedures to facilitate sampling at Savannah River Site (SRS).
27	05/22/2009	Per CAR-SRS-0002-09, revised to redefine transportation roles and responsibilities, delineate a process for feedback from Savannah River Site (SRS) to Central Characterization Project (CCP) for procedural discrepancies, and add additional measuring and test equipment (M&TE) requirement.
28	12/29/2010	Minor revision to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
29	07/05/2011	Revised to generalize the description of contact-handled (CH) Transportation Containers to allow use of TRUPACT-III. Added gas generation testing (GGT) procedures.
30	10/17/2011	Clarification to Sections 3.1.1, 3.3.5, 3.8.5, 4.1.2, 4.1.4, 4.11.1, 4.19.2, and 4.19.4. Removed procedure CCP-TP-508, *CCP RH Standard Real-Time Radiography Inspection Procedure,* from 4.16.5 and 4.16.7; and other editorial changes.
31	10/01/2012	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
32	10/25/2012	In response to CAR-LANL-0003-12, revised to clarify roles associated with providing measuring and testing equipment (M&TE) Certificates of Calibration to Central Characterization Program (CCP).
33	06/19/2013	Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.
34	08/29/2013	Revised to add NP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description* to reference page and any references to gas generation testing (GGT) procedures.

TABLE OF CONTENTS

1.0 PURPOSE 7
1.1 Background 7
1.2 Scope 7
1.3 Site information 8

2.0 REQUIREMENTS 9

3.0 RESPONSIBILITIES 10
3.1 CCP Site Project Manager (SPM) 10
3.2 CCP Quality Assurance (QA) 10
3.3 SRS Subcontract Technical Representative (STR) 11
3.4 SRS First Line Managers for Pad 3 or Pad 4 12
3.5 CCP Vendor Project Manager (VPM) 12
3.6 SRS Facility Safety Representative (FSR) 14
3.7 CCP Waste Certification Official (WCO) 14
3.8 CCP Transportation Certification Official (TCO) or Mobile Loading Unit Team Lead 14

4.0 INTERFACE 16
4.1 Training 16
4.2 Container Management (CM) 16
4.3 Deficiencies 17
4.4 Visual Examination (VE) 18
4.5 Nondestructive Examination (NDE) 18
4.6 Nondestructive Assay (NDA) 19
4.7 Radiological Characterization 19
4.8 Waste Sampling and Analysis Methods 20
4.9 Flammable Gas Analysis (FGA) 20
4.10 Acceptable Knowledge (AK) 20
4.11 Waste Certification and WWIS/WDS Data Entry 21
4.12 Transportation – Contact-Handled (CH) Waste/Remote-Handled (RH) Waste 21
4.13 Measuring and Test Equipment (M&TE) 22
4.14 Work Standards 23
4.15 Procedures 24
4.16 Documents 29
4.17 Radioactive Sealed Sources 30
4.18 Authorization Basis (AB) and Configuration Management (CM) 30
4.19 Notification 31
4.20 Procurement 31
4.21 Occurrence Reporting and Processing System (ORPS) and PAAA 32

5.0 RECORDS 33

LIST OF FIGURES

Figure 1. Nuclear Waste Partnership - SRS 34
Figure 2. Nuclear Waste Partnership – CCP at the Savannah River SITE 35

1.0 PURPOSE

This document establishes the interfaces between the Central Characterization Program (CCP) and the Savannah River Site (SRS) for implementing services described in the Statement of Work (SOW) 1E8863, *Characterization of SRS TRU Waste*. Specifically, this document identifies CCP and SRS responsibilities for implementing requirements and deliverables.

This document is provided to clarify and support details contained in the upper tier SOW and program documents. It is not intended to be used in lieu of a task-specific subcontract.

1.1 Background

CCP has been contracted to characterize, certify, and ship transuranic (TRU) wastes located at the SRS to the Waste Isolation Pilot Plant (WIPP) located in Carlsbad, New Mexico. SRS personnel may augment CCP transportation and characterization capabilities, as long as work is performed in accordance with CCP-certified procedures. All services provided by CCP will comply with WIPP requirements.

1.2 Scope

This document applies to all personnel identified on the SRS/CCP organization chart shown in Figure 2, Nuclear Waste Partnership – CCP at the Savannah River Site, with responsibilities for supporting services identified in the SOW. Figure 1, Nuclear Waste Partnership – SRS, represents the general Nuclear Waste Partnership (NWP) organization. This document addresses responsibilities associated with TRU waste characterization including interface requirements for the following areas:

- CCP Personnel Training and Qualification
- Container Handling
- Deficiencies
- Visual Examination (VE)
- Nondestructive Examination (NDE)
- Nondestructive Assay (NDA)
- Additional Waste Sampling and Analysis
- Flammable Gas Analysis (FGA)
- Acceptable Knowledge (AK)

- Waste Certification and WIPP Waste Information System/Waste Data System (WWIS/WDS) Data Entry
- Payload Assembly and Loading
- Transportation
- Measuring and Test Equipment (M&TE)
- Work Standards
- Radiological Characterization (Dose-To-Curie [DTC])

As a contractor to SRS, CCP will provide services in accordance with the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP), DOE/WIPP-02-3122*, Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP WAC) and DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP). This work will be performed under a comprehensive Quality Assurance (QA) Program that meets the requirements defined in DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* (QAPD). CCP will certify waste for disposal in accordance with the certification authority that has been granted by the U.S. Department of Energy (DOE)/Carlsbad Field Office (CBFO) upon successful completion of the certification audit.

SRS maintains overall responsibility for the characterization and certification of the waste for disposal at the WIPP in accordance with the SOW. This responsibility includes additional chemical sampling and analysis deemed necessary by the WIPP Permittees. SRS will also be responsible for reporting conditions or concerns that have or may have safety, health, QA, security, operational, or environmental implications.

SRS has primary responsibility for ensuring that requirements for safety (including Radiological Control, Emergency Management, Industrial Safety, and Industrial Hygiene), security, safety basis, and environmental permits are met for CCP activities conducted at SRS.

1.3 Site information

SRS is located in South Carolina. The U.S. Environmental Protection Agency (EPA) Facility Number is SC1890008989.

2.0 REQUIREMENTS

This document establishes the CCP/SRS interfaces necessary to implement the applicable requirements of:

- Statement of Work, 1E8863, *Characterization of SRS TRU Waste*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-005, *CCP Conduct of Operations*
- CCP-PO-026, *CCP Configuration Management*
- CCP-PO-050, *CCP TRUPACT-III TRU Waste Authorized Methods For Payload Control (CCP TRUPACT-III TRAMPAC)*
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
- DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
- DOE/WIPP 02-3183, *CH Packaging Program Guidance*
- DOE/WIPP 11-3456, *TRUPACT-III Program Guidance*
- NP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description*

3.0 RESPONSIBILITIES

3.1 CCP Site Project Manager (SPM)

3.1.1 Receives notification from Subcontract Technical Representative (STR) that documentation of required SRS site and Solid Waste Management Facility (SWMF)-specific training is sent to CCP Training.

3.1.2 Functions as CCP's primary interface and point of contact between CCP and SRS.

3.1.3 Confirms that waste characterization activities are conducted at SRS per SOW requirements and schedule.

3.1.4 Confirms sufficient characterization equipment is available to perform the required characterization activities at SRS.

3.1.5 Provides the AK Summary Report for SRS waste streams characterized by the CCP to the STR.

3.1.6 Provides a list of containers acceptable for characterization and posts on the CCP Secure File Transfer Protocol (sftp) site. This list will be updated routinely.

3.1.7 Works in conjunction with SRS operations to confirm reasonable and appropriate through-put of waste containers.

3.1.8 Responsible for project level verification and validation of batch data reports (BDRs).

3.1.9 Responsible for providing evidence to the STR of Performance Demonstration Program (PDP) participation and successful completion for each operating system.

3.1.10 Provide historical operating information to the STR, as requested, for lessons learned and implementing possible mitigating actions.

3.2 CCP Quality Assurance (QA)

3.2.1 Reports to the NWP QA Manager to maintain functional authority and independence from cost and schedule considerations.

3.2.2 Functions as CCP's primary interface and point of contact for QA between CCP and SRS.

3.2.3 Validates the Nonconformance Reports (NCRs) generated by CCP personnel, as needed.

3.2.4 Provides CCP nonconformance documentation to the STR, upon request.

3.2.5 Provides SRS with semi-annual trending summary reports.

3.2.6 Ensures that surveillances of CCP waste characterization and transportation activities at SRS are performed on a periodic basis and surveillance reports are provided to the STR.

3.2.7 Provides assistance in generation, disposition, and closure of NCRs and Corrective Action Reports (CARs).

3.3 SRS Subcontract Technical Representative (STR)

3.3.1 Functions as the Host site point-of-contact and is the primary interface between SRS Host site organizations and CCP.

3.3.2 Confirms containers, as specified on the sftp site lists, are provided to CCP in a timely manner.

3.3.3 Provides documented information on containers that have been modified since the original container closure and/or AK has been completed for the containers (e.g., remediation of containers, opening of containers for tag identification, vent, and purge campaigns).

3.3.4 Ensures radiological support is available.

3.3.5 Ensures documentation of completed SRS site-specific training is delivered to CCP Training and notification is made to the Site Project Manager (SPM).

3.3.6 The STR will notify the SPM of any revisions to SW15.3-SOP-CNP-01.

3.3.7 Reviews, provides comments on, and approves procedures per Section 4.15.5.

3.3.8 Provides adequate record storage facilities and access to the records for the CCP AK source documents as needed.

3.3.9 Provides local AK personnel to support characterization operations as needed.

3.3.10 Provides local transportation personnel to support loading and transportation activities as needed.

3.3.11 Ensures that periodic QA surveillances of CCP operations by SRS are conducted and reported to CCP.

3.3.12 Ensures CCP Vendor Project Manager (VPM) receives quarterly dosimetry and bioassay results on radiation worker-trained CCP personnel.

3.3.13 Ensures the provisions of WSRC 5Q, *Radiological Control Manual,* are implemented and compliance is maintained.

3.3.14 Ensures that the SRS Authorization Basis (AB) represents the CCP activities and equipment correctly.

3.4 SRS First Line Managers for Pad 3 or Pad 4

3.4.1 Confirms “In Process” waste containers are appropriately staged and returned to the CCP characterization process as appropriate.

3.4.2 Confirms “shippable” waste containers are appropriately staged for loading activities.

3.5 CCP Vendor Project Manager (VPM)

NOTE

VPM will assume overall CCP responsibility for characterization and loading activities if Mobile Loading Unit Team Lead is not present at the Host site. If present, the Mobile Loading Unit Team Lead will assist VPM with duties associated with loading and shipping.

3.5.1 Monitors the List of Qualified Individuals (LOQI) at the beginning of the shift to confirm that only qualified personnel perform waste characterization activities.

3.5.2 Provides daily pre-operations briefing.

3.5.3 Notifies the CCP SPM if the Host site safety basis notification levels are met.

3.5.4 Confirms applicable Material Safety Data Sheets (MSDSs) are maintained and available to support operations.

3.5.5 Notifies the STR of any occurrence reports or potential Noncompliance Tracking System-Price-Anderson Amendment Act (PAAA) reportable issues resulting from activities under the CCP certified program.

3.5.6 Attends daily SRS Plan of the Day (POD) meeting where safety issues and activities for the day are discussed, facility status is reviewed, and radiological changes are identified.

3.5.7 Reviews SRS quarterly dosimetry and bioassay results on radiation worker-trained CCP personnel and ensures the applicable results are provided to the individual CCP employee.

3.5.8 Obtains STR and Facility Site Representative (FSR) review and concurrence prior to issuance/approval of an Operator Aid or Standing Order that could affect changes to equipment operation or configuration.

3.5.9 Confirms that waste characterization field operations are conducted at SRS per the Interface Document.

3.5.10 Provides oversight for project safety, and compliance of CCP personnel at SRS to CCP's certified program requirements.

3.5.11 Receives reports of oversight activities from STR and formally responds, as required.

3.5.12 Ensures CCP personnel comply with SRS integrated work management, environmental, safety, and security requirements.

3.5.13 Controls access of CCP personnel including its subcontractors to the field. Requests site access for visitors.

3.5.14 Functions as CCP's primary interface and point-of-contact between CCP and SRS for field operations.

3.5.15 Performs training and briefing of personnel in regards to procedural changes.

3.5.16 Works with CCP Configuration Management (CM) group to ensure that CCP-provided equipment is maintained under a CCP-approved CM Program.

3.5.17 Ensures that new additions to and/or modifications made to CCP-provided facilities and/or equipment are submitted to the STR as soon as practicable and approvals are received prior to implementation.

3.6 SRS Facility Safety Representative (FSR)

3.6.1 Reviews, provides comments on, and approves technical operating procedures listed in Section 4.15.7.

3.6.2 Reviews, provides comments on, and approves any new technical operating procedures written for use at SRS.

3.6.3 Performs Unreviewed Safety Question (USQ) activities as required to document CCP activities and equipment into the SRS AB.

3.7 CCP Waste Certification Official (WCO)

3.7.1 Obtains from the CCP SPM the approved Waste Stream Profile Form (WSPF) for applicable containers to be certified.

3.7.2 Validates the CCP WWIS/WDS Data Spreadsheet.

3.7.3 Certifies the data for the container(s) to be certified as identified on the CCP WWIS/WDS Data Spreadsheet.

3.7.4 Submits the container data from the CCP WWIS/WDS Data Spreadsheet to the WWIS/WDS Characterization and Certification Modules as applicable.

3.8 CCP Transportation Certification Official (TCO) or Mobile Loading Unit Team Lead

3.8.1 Provides oversight to CCP Transportation personnel for payload and Overpack assembly and loading.

3.8.2 Certifies payloads for transportation to and disposal at WIPP.

3.8.3 Builds payloads from certified containers and Overpacks provided by Waste Certification Officials (WCOs) in WWIS/WDS.

3.8.4 Builds shipments from approved payloads in WWIS/WDS.

3.8.5 Ensures CCP Transportation personnel are trained and qualified to perform WIPP-compliant contact-handled (CH) and remote-handled (RH) TRU waste packaging and loading operations at the Host site prior to commencement of work activities and are listed on the LOQI.

3.8.6 Confirms that waste transportation activities are conducted at SRS per the Interface Document.

4.0 INTERFACE

4.1 Training

4.1.1 CCP personnel will be trained and qualified to WIPP requirements in accordance with CCP-QP-002, *CCP Training and Qualification Plan*. Additionally, CCP personnel assigned to the SRS must complete required SRS and SWMF-specific training. Both the WIPP (technical) training and SRS/SWMF-specific training must be completed prior to the individual being assigned to perform independent work on the SRS.

[A] A LOQI will be monitored by the CCP VPM to confirm CCP personnel are not assigned to perform work if they are not in compliance with training and qualification requirements.

4.1.2 The STR will ensure that the SRS site-specific training documentation is sent to CCP Training and notification is made to the SPM.

4.1.3 SRS personnel who perform work under CCP procedures will be trained to meet the requirements found in CCP-QP-002 by either the CCP VPM or the training organization. CCP Training and the SPM will then evaluate and approve the training in accordance with CCP-QP-002.

4.1.4 To ensure that notifications are made by offsite review personnel (e.g., Independent Technical Reviewer [ITR], NDA Expert Analyst [EA], SPM) for Host site safety basis notification levels, the Host site procedure SW15.3-SOP-CNP-01 will be included in a CCP Standing Order. Any revisions to the Host site procedure will be issued in a revision of the CCP Standing Order.

4.2 Container Management (CM)

4.2.1 SRS will provide waste managed as TRU waste in containers to the CCP characterization area.

4.2.2 SRS is responsible for providing documented information to the SPM on any modification to the container after original container closure and/or AK has been completed.

4.2.3 SRS is responsible for container movement and storage and implementing vehicle access controls.

4.2.4 The SPM will review the documented information of modified containers and will notify the STR when the containers are approved for entrance into the CCP characterization process.

4.2.5 CCP is responsible for CM throughout the CCP characterization process. CCP will perform CM in accordance with CCP-TP-035, *CCP Container Management*, and CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*.

4.2.6 SRS will provide the dose rate and surface contamination information to CCP records personnel necessary to certify the containers for disposal.

4.3 Deficiencies

4.3.1 CCP Identified Deficiencies

[A] If personnel identify a non-conformant condition associated with a waste container during the CCP characterization or certification process, CCP personnel will initiate an NCR in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

NOTE

In some cases, SRS will perform the work required to resolve deficiencies identified in CCP NCRs and will initiate internal documentation as required by the SRS program. However, the CCP NCRs will remain open and CCP NCR Hold Tags will remain on the affected containers until resolution of the NCR condition has been confirmed by CCP, if applicable, under its program. At that point, CCP will close the NCRs and remove the NCR tags.

[B] CCP will provide NCR data to SRS.

[C] As shown in Section 3.5, CCP will notify the STR immediately of occurrence reports or potential PAAA issues resulting from the CCP scope of work.

4.3.2 SRS Identified Deficiencies

[A] If SRS personnel identify a non-conformant condition during container movement or handling (e.g., missing container identification tag, duplicate container number), SRS personnel will initiate nonconformance documentation in accordance with the SRS QA Program.

[B] The STR will ensure a copy of any NCR affecting the CCP program is provided to the SPM for incorporation into the CCP Nonconformance Tracking System (as required).

[C] The STR will notify the CCP SPM of any procedure deficiencies, identified by SRS personnel, which relate to characterization activities.

[D] The STR will notify the Transportation Certification Official (TCO) or Mobile Loading Unit Team Lead of any procedure deficiencies, identified by SRS personnel, which relate to payload assembly or loading activities.

4.4 Visual Examination (VE)

4.4.1 VE requirements for certification of TRU waste containers will be performed in accordance with CCP procedures using facilities provided by SRS.

4.5 Nondestructive Examination (NDE)

4.5.1 Containers found with prohibited items or needing actions (e.g., vent and purge) will be identified with an NCR.

[A] The disposition may be to continue the container through the characterization process; such that the container is remediated using a CCP-approved procedure.

[B] The container may be returned to SRS for disposition as discussed in Section 4.3.

4.5.2 If real-time radiography (RTR) results meet the Host site safety basis notification levels identified in the Host site procedure (SW15.3-SOP-CNP-01), CCP RTR personnel will immediately make notifications as required.

4.5.3 If later reviews (e.g., ITR, SPM) identify that any of the Host site safety basis notification levels identified in the Host site procedure (SW15.3-SOP-CNP-01) have been met, notifications will immediately be made.

4.6 Nondestructive Assay (NDA)

4.6.1 SRS will provide support for CCP participation in the NDA PDP. This support includes maintaining trained PDP coordinators, preparation of the test containers, delivery of the containers to the CCP NDA equipment, and responsibility for PDP source control. The SRS support will be coordinated by the STR.

4.6.2 If NDA results meet the Host site safety basis notification levels identified in the Host site procedure (SW15.3-SOP-CNP-01), CCP NDA personnel will immediately make notifications as required. If notification levels are reached, NDA EA assay results will be performed and the resulting conclusions will be communicated both verbally and in writing to the STR, SPM, and the CCP VPM within 24 hours of the first normal work day following the assay.

4.6.3 If later reviews (e.g., ITR, NDA EA, SPM) identify that any of the Host site safety basis notification levels identified in the Host site procedure (SW15.3-SOP-CNP-01) have been met, notifications will immediately be made.

4.7 Radiological Characterization

4.7.1 The Host site will provide technical support for radiological characterization efforts based on the use of AK for stored RH TRU waste.

4.7.2 CCP will provide qualified personnel, including Host site personnel, to perform radiological characterization activities.

4.7.3 The Host site will provide support for the CCP for performing calibration of Radiological Characterization instrumentation. This support includes delivery of surrogate drums and source control as needed.

4.8 Waste Sampling and Analysis Methods

4.8.1 If the Permittees determine that additional characterization is necessary using chemical sampling and analysis, the Permittees shall direct the generator/storage site to provide the Permittees with the following documentation:

- Sampling and analysis plan
- EPA SW-846 test method(s), or functionally equivalent test method(s), to be used
- Identification of the laboratory(ies) that will be performing the test(s)

4.8.2 Upon the Permittees written approval of the sampling and analysis plan, the generator/storage site shall implement the sampling and analysis plan.

4.9 Flammable Gas Analysis (FGA)

4.9.1 FGA is for transportation only and will be performed using approved DOE/WIPP procedures by personnel trained under the CCP Qualification Program.

4.10 Acceptable Knowledge (AK)

4.10.1 CCP records personnel in Carlsbad will maintain a copy of the AK source documents necessary to support the AK Summary Report in accordance with the WAP and the QAPD.

4.10.2 CCP AK personnel will perform and document the AK collection and reporting in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation*. CCP shall submit the AK Summary Report for SRS review and concurrence. As warranted, the STR will provide written comments to be dispositioned before document approval. Upon satisfactory disposition of comments, the STR will provide written concurrence of the AK Summary Report on the basis of accuracy of technical data presented and reasonableness of interpretations and conclusions drawn from the technical data.

4.10.3 SRS AK personnel will assist, as needed, CCP AK personnel with AK compilation, discrepancy resolution, or AK reassessment of source documents.

4.11 Waste Certification and WWIS/WDS Data Entry

4.11.1 The WCO will transmit characterization and certification data using the WWIS/WDS and procedure CCP-TP-030, *CCP TRU Waste Certification and WWIS/WDS Data Entry*, for CH waste and CCP-TP-530, *CCP RH TRU Waste Certification and WWIS/WDS Data Entry*, for RH waste.

4.11.2 The SPM shall submit the Waste Stream Profile Package for SRS concurrence before final approval and submittal to CBFO. The STR will provide written concurrence on the basis of continued compliance with procedures and programs and CBFO certification of the CCP program.

4.11.3 The WCO will document and certify that all TRU waste payload containers prepared from the CCP processes for WIPP meet all of the requirements of the WAC.

4.11.4 The WCO will provide the TCO with all WAC information necessary to certify the payload for transportation.

4.12 Transportation – Contact-Handled (CH) Waste/Remote-Handled (RH) Waste

4.12.1 CH Waste

[A] SRS will provide and maintain CH Package Loading facilities.

[B] CCP Transportation will provide technical resources, TCOs, and qualified personnel to perform the transportation certification, preparation of the shipment, and loading of the waste for shipment.

[C] SRS will provide the equipment and trained personnel required to handle waste containers for payload assembly and loading operations.

[D] CCP Transportation will provide trained personnel required to handle waste containers for payload assembly and loading operations.

[E] SRS will provide manifesting, marking, labeling, and placarding of the shipments in accordance with 40 Code of Federal Regulations (CFR) and 49 CFR requirements and in accordance with site-specific procedures.

[F] CCP Transportation will provide documentation to the STR certifying the waste for shipment according to CCP procedures.

[G] SRS will coordinate the shipment, including providing prerequisite surveys.

4.12.2 RH Waste

[A] SRS will provide and maintain RH TRU 72-B transportation cask loading facilities.

[B] CCP Transportation will provide technical resources and personnel to perform the transportation certification, preparation of the shipment, and loading of the waste for shipment.

[C] SRS will provide the equipment and trained personnel required to handle waste containers for payload assembly and RH TRU 72-B loading operations.

[D] CCP Transportation will provide trained personnel required to handle waste containers for payload assembly and cask loading operations.

[E] SRS will provide manifesting, marking, labeling, and placarding of the shipments in accordance with 40 CFR and 49 CFR requirements and in accordance with site-specific procedures.

[F] CCP Transportation will provide documentation to the STR certifying the waste for shipment according to CCP procedures.

[G] SRS will coordinate the shipment, including providing prerequisite surveys.

4.13 Measuring and Test Equipment (M&TE)

4.13.1 The CCP M&TE Custodian will provide a recall notification for CCP M&TE that requires calibration to the STR/SRS M&TE Custodian. The list of equipment requiring calibration will include such things as weight scales, infrared thermometers, temperature data loggers, electronic calibrators, digital readouts, and pressure transducers.

4.13.2 For Host site M&TE furnished for use in the CCP program, the Host site STR/Designee will provide notification to the CCP M&TE Custodian when M&TE are added, deleted, found out-of-tolerance/defective or failed calibration.

4.13.3 SRS will provide National Institute of Science and Technology (NIST) traceable calibration services for specified M&TE to the CCP. SRS will maintain records on M&TE calibration in accordance with the WIPP-WAP, Section C-4a (7) and Table C-7, and the SRS Records Inventory and Disposition Schedule (RIDS). The SRS M&TE contact will make the Certificates of Calibration for these M&TE items available to the CCP VPM and/or the CCP M&TE Custodian prior to issuing M&TE to CCP for use, or for M&TE calibrated through a work package, within 14 work days of completion of calibration.

4.13.4 The STR will make calibration documentation and process available as needed for internal and external audits.

4.14 Work Standards

4.14.1 CCP operations personnel will work under applicable SRS Manual 8Q procedures.

4.14.2 CCP operations personnel will work under CCP-approved procedures for waste characterization and transportation activities and SRS-approved work packages for non-waste characterization activities (e.g., equipment repairs).

4.14.3 SRS maintenance may assist CCP with equipment maintenance. All activities will meet CCP configuration and maintenance requirements and be authorized by the CCP VPM.

4.14.4 CCP operations personnel will operate in accordance with CCP-PO-005, *CCP Conduct of Operations*.

4.14.5 CCP operations personnel will comply with the SRS Waste Management Area Project Safety and Health Plan for Hazardous Waste Operations as it pertains to CCP activities.

4.15 Procedures

4.15.1 Editorial or minor changes may be made to all CCP documents except CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, CCP-PO-002, *CCP Transuranic Waste Certification Plan*, CCP-PO-003, CCP-PO-505, and CCP-QP-001, *CCP Graded Approach*, without the same level of review and approval as the original document.

4.15.2 New procedures developed by CCP for use at the Host site, shall be evaluated by the Host site STR/Designee to determine if the procedure shall be added to the Host site review lists defined below.

NOTE

If operations no longer warrant use of any document listed in Sections 4.15.3, 4.15.6, or 4.15.7, the SPM may determine that the STR/FSR review is not applicable or a "Notify Only" is appropriate. If the document is reinstated, STR/FSR review will be required prior to site use.

4.15.3 The STR will review or designate the appropriate reviews of the CCP procedures listed in Section 4.15.5, and forward written comments to CCP Document Control in accordance with CCP-QP-010, *CCP Document Preparation, Approval, and Control* for resolution.

4.15.4 The SPM will confirm that the STR's written comments are resolved with STR concurrence prior to proceeding with CCP operations.

4.15.5 The following procedures and all revisions to these procedures will be provided to the STR for review and concurrence:

- All associated Acceptable Knowledge Summary Reports
- CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
- CCP-CM-013, *CCP Transportation Flammable Gas Analysis (FGA) Equipment Description*
- CCP-CM-019, *CCP Real-Time Radiography Unit #4 (RTR-4) (Equipment #NDE-RTR-04) Equipment Description*
- CCP-HSP-014, *Health and Safety Program Implementation for CCP*

- CCP-PO-004, *CCP/SRS Interface Document*
- CCP-PO-016, *CCP Gas Generation Testing Quality Assurance Project Plan*
- CCP-PO-026, *CCP Configuration Management*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-TP-011, *CCP Radiography Inspection Operating Procedure*
- CCP-TP-033, *CCP Shipping of CH TRU Waste*
- CCP-TP-035, *CCP Container Management*
- CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*
- CCP-TP-054, *CCP Adjustable Center of Gravity Lift Fixture Preoperational Checks and Shutdown*
- CCP-TP-055, *CCP Varian Porta-Test Leak Detector Operations*
- CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited Items*
- CCP-TP-074, *CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure*
- CCP-TP-086, *CCP CH Packaging Payload Assembly*
- CCP-TP-087, *CCP Scale Operations*
- CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*
- CCP-TP-139, *CCP In Situ Object Counting System Nondestructive Assay Operating Procedure*
- CCP-TP-145, *CCP RTR #4 Operating Procedure*
- CCP-TP-189, *CCP Box Segmented Gamma System (BSGS) Operating Procedure*

- CCP-TP-190, *CCP Box Segmented Gamma System (BSGS) Calibration Procedure*
- CCP-TP-191, *CCP Box Neutron Assay System (BNAS) Operating Procedure*
- CCP-TP-192, *CCP Box Neutron Assay System (BNAS) Calibration Procedure*
- CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*
- CCP-TP-505, *CCP Removable Lid Canister Loading*
- CCP-TP-507, *CCP Shipping of Remote-Handled Transuranic Waste*
- CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*
- CCP-TP-554, *CCP Remote-Handled Grapple Pre-Operational Checks and Operation*

4.15.6 The following documents will be sent to the STR as “Notify Only” during the review process:

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods For Payload Control (CCP CH-TRAMPAC)* (if CCP transportation program used by SRS)
- CCP-PO-005, *CCP Conduct of Operations*
- CCP-PO-006, *CCP Conduct of Operations Matrix*
- CCP-PO-050, *CCP TRUPACT-III TRU Waste Authorized Methods For Payload Control (CCP TRUPACT-III TRAMPAC)*
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
- CCP-QP-002, *CCP Training and Qualification Plan*

- CCP-QP-008, *CCP Records Management*
- CCP-QP-010, *CCP Document Preparation, Approval, and Control*
- CCP-QP-029, *Corrective Action Management*
- CCP-TP-005, *CCP Acceptable Knowledge Documentation*
- CCP-TP-055, *CCP Varian Porta-Test Leak Detector Operations*

4.15.7 The following procedures, and all revisions to these procedures, will be provided to the FSR for review and approval in accordance with CCP-QP-010:

- CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
- CCP-CM-013, *CCP Transportation Flammable Gas Analysis (FGA) Equipment Description*
- CCP-CM-019, *CCP Real-Time Radiography Unit #4 (RTR-4) (Equipment #NDE-RTR-04) Equipment Description*
- CCP-PO-004, *CCP/SRS Interface Document*
- CCP-PO-016, *CCP Gas Generation Testing Quality Assurance Project Plan*
- CCP-PO-026, *CCP Configuration Management*
- CCP-TP-011, *CCP Radiography Inspection Operating Procedure*
- CCP-TP-033, *CCP Shipping of CH TRU Waste*
- CCP-TP-035, *CCP Container Management*
- CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*
- CCP-TP-054, *CCP Adjustable Center of Gravity Lift Fixture Preoperational Checks and Shutdown*
- CCP-TP-055, *CCP Varian Porta-Test Leak Detector Operations*

- CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited Items*
- CCP-TP-074, *CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure*
- CCP-TP-086, *CCP CH Packaging Payload Assembly*
- CCP-TP-087, *CCP Scale Operations*
- CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*
- CCP-TP-139, *CCP In Situ Object Counting System Nondestructive Assay Operating Procedure*
- CCP-TP-145, *CCP RTR #4 Operating Procedure*
- CCP-TP-189, *CCP Box Segmented Gamma System (BSGS) Operating Procedure*
- CCP-TP-190, *CCP Box Segmented Gamma System (BSGS) Calibration Procedure*
- CCP-TP-191, *CCP Box Neutron Assay System (BNAS) Operating Procedure*
- CCP-TP-192, *CCP Box Neutron Assay System (BNAS) Calibration Procedure*
- CCP-TP-193, *CCP Data Reviewing, Validating, and Reporting Procedure for the Nondestructive Assay Box Counters*
- CCP-TP-504, *CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste*
- CCP-TP-505, *CCP Removable Lid Canister Loading*
- CCP-TP-507, *CCP Shipping of Remote-Handled Transuranic Waste*
- CCP-TP-509, *CCP Remote-Handled Transuranic Container Tracking*
- CCP-TP-554, *CCP Remote-Handled Grapple Pre-Operational Checks and Operation*

4.16 Documents

4.16.1 Documents listed in this section, which are provided from one organization to the other as information copies, may be transmitted via memo, fax, e-mail, formal correspondence, or as requested by SPM or STR. Documents identified as QA records will be transmitted via CCP-QP-008, *CCP Records Management*.

4.16.2 Documents/Electronic Data to be provided to SRS by CCP include:

[A] List of equipment requiring calibration.

[B] Electronic NCR data and copies of CARs, as applicable.

[C] Copies of the NDA Results for containers requiring notification per Section 4.6.2.

[D] Copies of AK Summary Reports.

[E] Data Quality Objective (DQO) Reconciliation Documentation, as requested by SRS.

[F] Cross-reference of containers to BDRs, as requested by SRS.

4.16.3 Documents to be provided to CCP by SRS include:

[A] Copies of calibration certifications.

[B] Documentation of training completion for CCP personnel for training received from SRS.

[C] Documentation of information for container modifications.

[D] AK source documentation requested by CCP.

[E] Radiological dose rate and surface contamination results on waste containers as needed to support WWIS/WDS data entry.

[F] Any documentation required for CCP to perform its scope of work, including correspondence pertaining to characterization activities.

4.17 Radioactive Sealed Sources

4.17.1 Radioactive sealed sources, whether owned by CCP or SRS, will be controlled under applicable requirements of the SRS Radiological Control Program for sealed sources.

4.17.2 SRS will provide support for leak testing, labeling, and inventory control for sealed sources owned and used by CCP NDA processes.

4.17.3 SRS may provide radioactive sealed sources to the CCP NDA processes when required for use in meeting NDA quality assurance objectives (QAOs).

4.17.4 CCP will submit a written request to SRS to bring any sealed radioactive source to SRS. The request will be accompanied by a copy of the applicable Radioactive Materials License. SRS will provide written permission to CCP to bring sealed radioactive sources to SRS upon receipt and approval of CCP's written request.

4.17.5 CCP will provide day-to-day control of the sources it owns and uses in accordance with requirements in the SRS Radiological Control Program.

4.18 Authorization Basis (AB) and Configuration Management (CM)

4.18.1 The Host site has primary responsibility to ensure that CCP equipment and processes have been appropriately considered within the DOE-approved Host site documented safety analysis.

4.18.2 CCP has primary responsibility to control operations and equipment configurations to ensure compliance with CCP procedures that protect the personnel, public, and environment.

4.18.3 For CCP-provided equipment, CCP will provide the documentation necessary for SRS to perform the evaluation against its safety analysis. This documentation may include health and safety plans, hazard assessments, system descriptions, equipment drawings, or other information deemed necessary through mutual agreement between CCP and SRS.

4.18.4 For Host site-provided equipment, CCP will review operational documentation to ensure the safety of CCP personnel while operating the equipment.

4.18.5 All changes to equipment operated by CCP will be controlled by the Host site Work Control Program to ensure appropriate Host site AB evaluations are conducted, and associated controls established.

4.18.6 CCP has primary responsibility to ensure changes to equipment are in accordance with CCP-CM-001, *CCP Equipment Change Authorization and Documentation*.

4.19 Notification

4.19.1 The Host site has primary responsibility to notify CCP when there are changes in the Host site facilities used by CCP for characterization activities or changes that may impact operations.

4.19.2 The Host site has primary responsibility to notify CCP when there are changes to policies, processes, or procedures that may affect CCP characterization activities or operations.

4.19.3 CCP has primary responsibility to notify the Host site when there are configuration changes to CCP or CCP vendor-owned equipment.

4.19.4 The Host site has primary responsibility to notify CCP when repairs or modifications are needed on the CH or RH transportation trailers, packaging equipment, or casks.

4.19.5 CCP is responsible for performing or coordinating repairs and modifications to the CH or RH transportation trailers, packaging equipment, or casks.

4.20 Procurement

4.20.1 SRS is shown as a supplier of procurement services on the NWP Qualified Suppliers List (QSL). SRS may procure, inspect, and perform receipt inspection of whatever items are listed in the most current NWP QSL for the CCP scope of work (this is presently limited to 55-gallon drums and container filter vents). SRS will perform these activities in accordance with its QSL-accepted program.

4.21 Occurrence Reporting and Processing System (ORPS) and PAAA

4.21.1 Both SRS and CCP maintain the responsibility for reporting potential PAAA issues resulting from waste certification or safe operation of characterization activities (e.g., Technical Safety Requirements, Radiation Safety, Industrial Safety, Industrial Hygiene, Maintenance, Lockout/Tagout, Conduct of Operations) of TRU waste by CCP at SRS. This includes filing any Occurrence Reporting and Processing System (ORPS) reports resulting from the characterization activities of TRU waste by CCP.

4.21.2 Both SRS and CCP shall invite the other to participate in the investigation of any waste characterization event that results in an ORPS or PAAA report.

4.21.3 Both SRS and CCP shall support and participate in investigations when CCP characterization activities result in an ORPS or PAAA report.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent Records

[A] Written comments from SRS (e.g., memo, e-mail)

Figure 1. Nuclear Waste Partnership - SRS

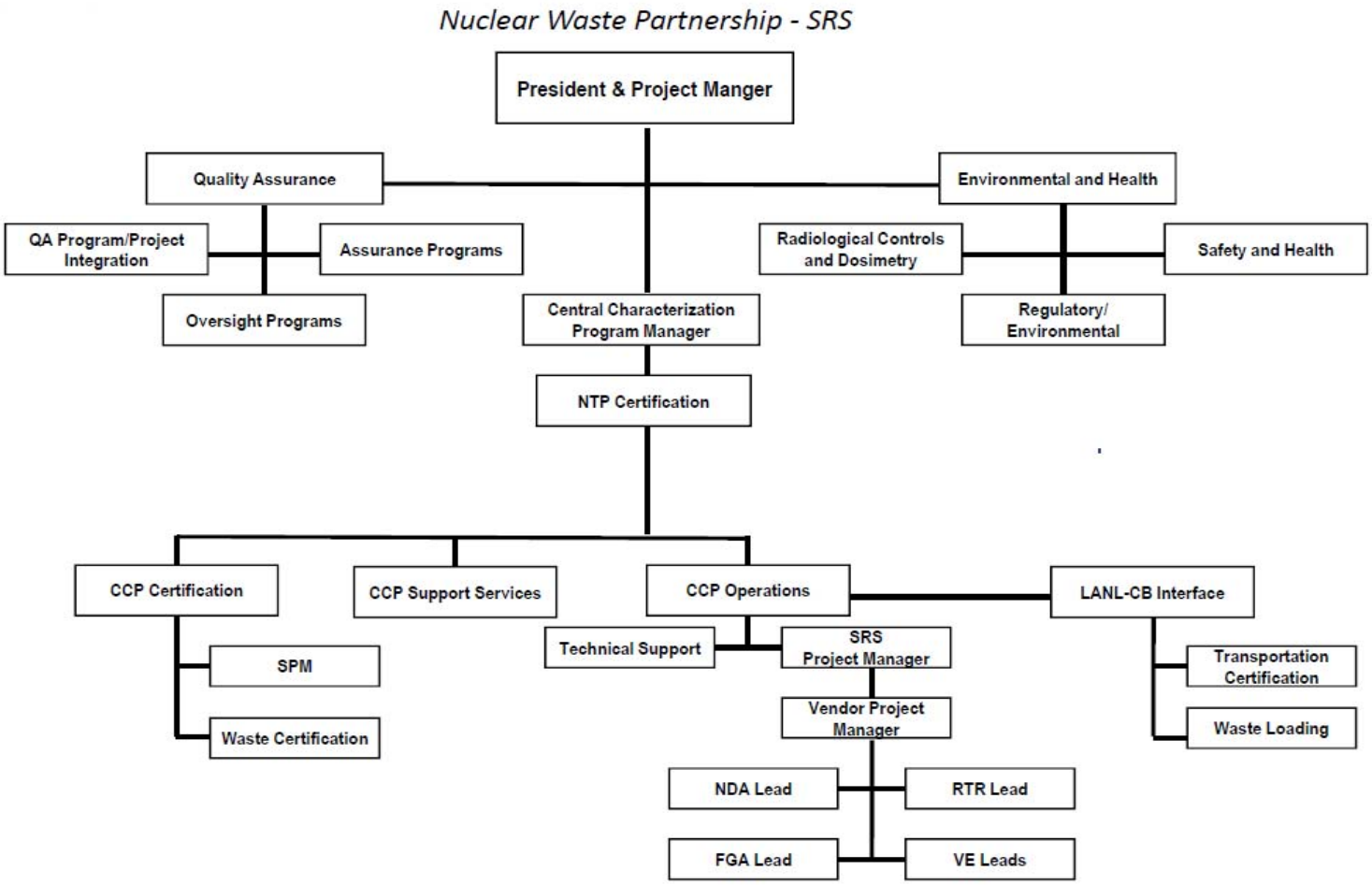

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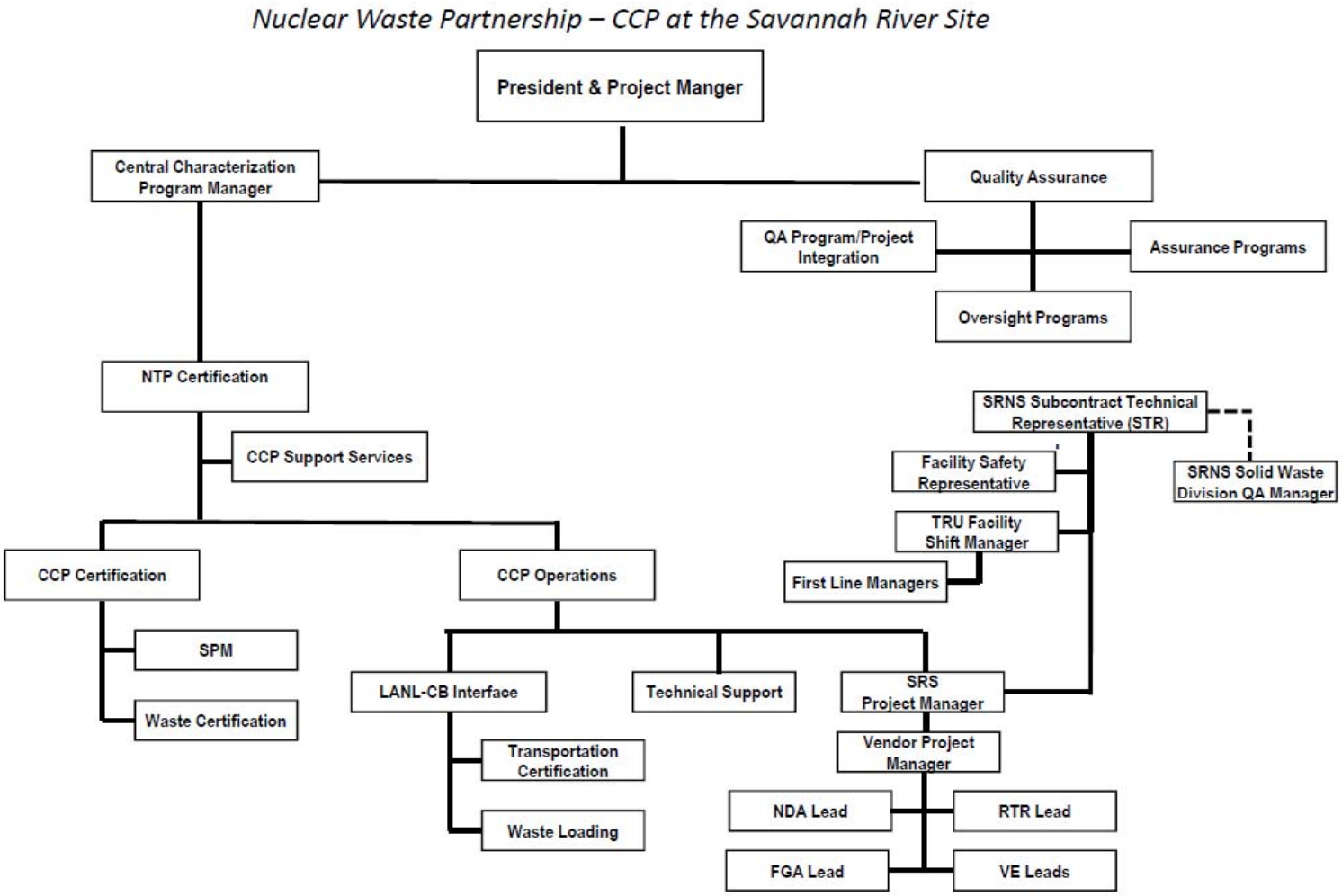
Figure 2. Nuclear Waste Partnership – CCP at the Savannah River Site



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CCP-PO-005

Revision 23

CCP
Conduct of Operations

EFFECTIVE DATE: 02/18/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
3	02/14/2002	Revised Section 15, updated referencing procedures.
4	07/12/2002	Minor changes to Sections 4.7.1, 4.7.2, and 17.7; a complete rewrite of Section 15; a minor revision to Attachment 1; Added Attachment 2, 3, 4, 5, 6, and 7.
5	08/29/2002	Modified last sentence of step 4.1. Added step 6.2, Rewriting of Section 12.0; Clarification to step 15.2.4 and 17.7, Rewriting of step 15.2.5 and 15.3.4. Addition of Operational Logbooks to Section 20.0. Corrections to Attachment 3, 4, 6 and 7. Replaced Attachment 1.
6	09/12/2002	Revised the definition of a logbook in Section 12.1 based on comments from the ANLE Certification Audit.
7	09/30/2002	Addition to Attachment 2, 3, 4, 5, 6, & 7.
8	12/09/2002	Revised Attachment 3 and 7
9	03/26/2003	Added to Section 12.0, Changes to Attachment 5, 6 and 7
10	07/17/2003	Added Hanford, LANL and LLNL to required reading. Separated electronically fillable form and updated references in procedure.
11	12/08/2003	Updated Sections 2.0, 6.0, 12.0, 15.0, 16.0 and 18.0 for clarification. Deleted references to E-QA, Updated Attachment 8 and added additional records to 20.0.
12	02/25/2005	Change to Section 4.1 and 4.4. Changes to all Attachments. Incorporated changes per OSR Project.
13	03/07/2005	Minor revision to add signature line to Attachment 1. Signature line was inadvertently left out during last revision.
14	02/28/2006	Revised to include a new Section 6.3, Communication of Employee Concerns.
15	07/19/2006	Revised to incorporate the automation of the required reading program and to include the Remote-Handled Program.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
16	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
17	03/04/2008	Revised to updated title of Section 14 to match DOE Order 5480.19 and to address the Corrective Action Report, ORNL-CCP-CH-RTR-001CR resulting from the CCP Oak Ridge National Laboratories Project Environmental Protection Agency Inspection (EPA-ORNL-CCP-CH-11.07-8).
18	10/30/2008	Revised in response to Department of Energy (DOE) Carlsbad Field Office (CBFO) Corrective Action Report (CAR)-08-023. Also, revised Section 16.2 to separate the Required Reading matrices in Appendix A from CCP-PO-005. They will be maintained by CCP Training in conjunction with responsible management, and the current versions will be posted on the CCP ftp site.
19	10/30/2008	Minor revision to Section 13.0 to clarify that the CCP Transportation personnel perform the independent verification of loading instead of the CCP Transportation Certification Official.
20	07/08/2009	Revised in response to recommendation from the Expert Review Team assessment of Central Characterization Project (CCP) Idaho National Laboratory (INL) Operations.
21	05/26/2010	Revised in response to Corrective Action Report (CAR)-CCP-0012-09. Also moved the controls for Lessons Learned to Section 6.2, and changed the scope of Section 13.0 to address operational logbooks exclusively.
22	06/14/2011	Revised to add detail to Section 6.0 and Section 7.0, and make minor editorial corrections throughout

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
23	02/18/2013	Updated to reflect DOE Order 422.1 throughout. Added language in Sections 17.2 and 17.5 regarding pagination of printed Standing Orders and revised text regarding incorporating Standing Orders into procedures. Revised Section 17.5, and Attachments 5, 6, and 7 in response to CBFO CAR 13-006.

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TABLE OF CONTENTS

1.0 PURPOSE 8
1.1 Scope 8

2.0 REQUIREMENTS 9
2.1 References 9

3.0 RESPONSIBILITIES 10

4.0 SHIFT ROUTINES AND OPERATING PRACTICES 11
4.1 Status Practices 11
4.2 Safety Practices 13
4.3 Inspection Tours 14
4.4 Personnel Protection 16
4.5 Response to Indications 16
4.6 Resetting Protective Devices 16
4.7 Authority to Operate Equipment 16
4.8 Shift Operating Bases 18
4.9 Potentially Distractive Written Material and Devices 18

5.0 CONTROL AREA ACTIVITIES 19
5.1 Control Area Access 19
5.2 Monitoring the Main Control Panels 19
5.3 Control Operator Ancillary Duties 19
5.4 Operation of Control Area Equipment 19

6.0 COMMUNICATIONS 20
6.1 Emergency Communications Systems 20
6.2 Lessons Learned 20
6.3 Communication of Employee Concerns 21

7.0 ON-SHIFT TRAINING 22
7.1 Adherence to Training Programs 22
7.2 Supervision and Control of Trainees 22
7.3 Operator Qualification Program Approval 23
7.4 Training Documentation 23

8.0 INVESTIGATION OF ABNORMAL EVENTS, CONDITIONS, AND TRENDS 24

9.0 NOTIFICATIONS 25

10.0 CONTROL OF EQUIPMENT AND SYSTEM STATUS 26
10.1 Status Change Authorization and Reporting 26
10.2 Equipment Locking and Tagging 27
10.3 Operational Limits Compliance 27
10.4 Equipment Deficiency Identification and Documentation 27
10.5 Equipment Post-Maintenance Testing and Return to Service 27

11.0 LOCKOUT AND TAGOUTS 28

12.0 INDEPENDENT VERIFICATION 29

13.0 LOG KEEPING 30
13.1 Logbook 30
13.2 Logbook Entries 30
13.3 Logbook Corrections 31
13.4 Late Entries 32
13.5 Logbook Reviews 32
13.6 Annual Reconciliation of Operational Logbooks 32

14.0 TURNOVER AND ASSUMPTION OF RESPONSIBILITIES 33
14.1 Turnover Checklists 33
14.2 Document Review 33
14.3 Control Panel Walkdown 34
14.4 Discussion and Exchange of Responsibility 34
14.5 Shift Crew Briefing 35
14.6 Relief Occurring During the Shift 35

15.0 CONTROL OF INTERRELATED PROCESSES 36

16.0 REQUIRED READING 37

17.0 TIMELY INSTRUCTIONS/ORDERS 38
17.1 Purpose of Timely Instructions/Orders 38
17.2 Writing Standing Orders 38
17.3 Review and Approval of Standing Orders 39
17.4 Controlling Standing Orders 39
17.5 Reviews of Standing Orders 40
17.6 Submittal of Standing Order to Records 40

18.0 TECHNICAL PROCEDURES 41
18.1 Procedure Development 41
18.2 Procedure Content 41
18.3 Procedure Changes and Revisions 41
18.4 Procedure Approval 41
18.5 Procedure Review 41
18.6 Procedure Availability 41
18.7 Use of Procedures 41
18.8 Fillable Forms 43

19.0 OPERATOR AIDS 44

20.0 COMPONENT LABELING 45

21.0 RECORDS 46

LIST OF ATTACHMENTS

Attachment 1 – Standing Order Index 47
Attachment 2 – Quarterly Standing Order Review 48
Attachment 3 – Operator Aid Index 49
Attachment 4 – VPM Semi-annual Operator Aid Review 50
Attachment 5 – Site-Specific Standing Order Format 51
Attachment 6 – Project Office Standing Order Format 52
Attachment 7 – Lessons Learned Form 53
Attachment 8 – CCP Required Reading Documentation 54

1.0 PURPOSE

The purpose of this document is to provide specific guidance for implementation of the Conduct of Operations into Central Characterization Program (CCP) activities. This document allows the user to reference implementing documents and procedures applicable to the CCP.

1.1 Scope

The scope of this document is to assemble the good operating practices by which personnel in CCP organizations, including subcontractors, are expected to perform. The practices in this document supplement other instructions provided in CCP documents.

2.0 REQUIREMENTS

2.1 References

Referenced Documents

- U.S. Department of Energy (DOE) Order 422.1, *Conduct of Operations*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-010, *CCP Document Preparation, Approval, and Control*
- CCP-QP-022, *CCP Software Quality Assurance Plan*
- CCP-TP-140, *CCP Equipment Maintenance*

3.0 RESPONSIBILITIES

Overall responsibilities and organizational interfaces are described in CCP-PO-002, *CCP Transuranic Waste Certification Plan*.

Memorandum of Understanding (MOU)/Agreement, Statements of Work (SOW), and/or Site Interface Documents specify Host site responsibilities, plans, and procedures.

The SOW outlines Host site's responsibilities as they apply to the CCP activities conducted at the Host site.

4.0 SHIFT ROUTINES AND OPERATING PRACTICES

4.1 Status Practices

CCP operations will be in accordance with approved procedures and will be performed by qualified personnel. The Vendor Project Manager (VPM) will verify daily that personnel are qualified to perform their assigned duties by reviewing the current List of Qualified Individuals (LOQI). The Transportation Certification Official (TCO) will verify that mobile loading unit personnel are trained and qualified to perform TRU waste packaging and loading operations, by checking the current LOQI prior to commencement of work activities. The TCO will also verify that Host site personnel are trained and qualified for transportation-related activities by checking the current LOQI. When the TCO is not available, the LOQI will be checked by the VPM or a designated individual assigned by the operations manager.

The VPM shall conduct a pre-shift meeting, as required in the Site Interface Documents, if the generator site is not working multiple shifts. (Section 14.5 of this document shall be followed if working multiple shifts). This meeting may be held separately or in conjunction with Host site pre-shift meetings. Pre-shift meetings may be tailored to fit the operation, as required by the VPM, but should address the following as a minimum:

- Adherence to established safety requirements
- Plans and priorities for the shift
- Changes in facility conditions or site access requirements
- Status of equipment
- Maintenance activities and special evolutions
- Visitors (i.e., anyone requiring an escort) expected during the shift
- Waste stream(s) expected to be introduced for characterization
- New or revised procedures approved since the last day of operations
- New or revised Acceptable Knowledge (AK) Summary Reports approved since the last day of operations

The term Lead Operator (LO) is used to identify the person responsible to assist the VPM in completion of his duties associated with a specific piece

or set of equipment. This individual will possess technical expertise for the specific equipment involved and will assist the VPM with duties such as ensuring assigned personnel are fit for duty, maintenance and review of equipment logbooks, preparation and review of standing orders, and preparation of operator aids. This position is assigned at the discretion of the VPM. The VPM shall notify affected personnel of any such assignments. This notification may be provided verbally during the daily Plan-of-the-Day (POD) meeting.

The VPM will be notified promptly of all changes in facility status, abnormalities, and difficulties or unexpected situations encountered when performing assigned tasks. The VPM shall promptly notify the CCP Project Manager of events impacting waste characterization activities.

When an unexpected event or series of events occurs or when the cause and consequences cannot be readily determined, the situation will be investigated and appropriate action taken before resuming operation.

An initial entry will be made in applicable logs stating the initiating event. Log entries will be clear, complete, and concise.

An on-shift assessment meeting will be held as soon as possible after an event to determine pertinent information relating to the event. If necessary, the shift will be held over to obtain this information.

Evidence regarding the cause of a problem will be safeguarded as sensitive information.

The LO and operators are responsible and accountable for the operations conducted during their shift. They will be cognizant of the status of all equipment and records of respective work areas.

All CCP personnel have the right and responsibility to STOP WORK. STOP WORK may be invoked any time anyone feels the safety, quality, or compliance of any CCP operation or maintenance activity has been or might be compromised. This is an individual right and responsibility and does not require the approval of supervision to invoke. STOP WORK is invoked without fear of reprisal in any form in the CCP program. The VPM will be immediately notified when STOP WORK authority has been invoked. The VPM will obtain the help of any resources necessary to respond to and correct the condition requiring the implementation of a STOP WORK order. Work may resume when the issue is resolved, the worker invoking STOP WORK is notified of the resolution, and authorization is given by the VPM to lift the STOP WORK.

STOP WORK shall **NOT** be ignored when invoked.

4.2 Safety Practices

Personnel assigned to CCP operations shall present and maintain themselves in a condition fit for duty.

The VPM or LO shall ensure that no employee is permitted to assume their duties and responsibilities, in support of CCP operations, if it is obvious that the person is not alert, coherent, or capable of performing the requirements of the position.

Pre-job briefings will be conducted by the VPM or Designee before evolutions that are new or complex in nature, or where proficiency at the task is questioned. This will ensure the evolutions will be conducted properly and safely.

In all situations, employees will place personnel safety, facility safety, and environmental safety above CCP production. Work that violates prescribed safe work practices must be stopped and the situation immediately reported to the Host site manager and the VPM.

Planning for safety is the responsibility of all employees. Strict compliance with applicable safety standards and/or precautions will be maintained at all times. Safety precautions may be posted or be described, or referenced in job-specific procedures or work instructions.

Personnel will not climb or walk on components because this could result in personnel injury or damage to equipment. Applicable site procedures shall discuss the proper use of man-lifts, temporary scaffolding, and ladders.

Personnel will exercise appropriate precautions when entering or working in or around energized panels or equipment. Applicable site procedures shall discuss specific requirements for working around energized equipment.

Doors that serve as fire protection, security, and ventilation barriers will not be propped open for the passage of energized electrical leads or pressurized hoses, or for any other reason without the Host site manager's approval.

4.3 Inspection Tours

Operators will conduct a thorough tour of all areas within their responsibility at least once per shift or more often if directed by CCP management. The initial tour will normally be made early in the shift before the operator attends to other duties. Equipment will be inspected during area tours to ensure that the equipment is operating properly and, for standby equipment, to verify that it is fully operable (i.e., able to perform its intended function). Operators will operate the facility in a safe and deliberate manner, to ensure the following items have been evaluated during their tours:

Housekeeping

Areas around the equipment, At-the-Controls, and egress routes are clear/free of:

- Slip, trip, fall hazards (i.e., electrical cords, ice, or water).
- Combustible materials or trash.
- Tools or materials lying adrift.
- Excessive dirt, dust, or debris.

General Safety

- Communication equipment is operational.
- Equipment guards, bumpers, external optical/limit switches, and signs are in place and not degraded/damaged.
- Operator Personal Protective Equipment (PPE) is available, worn, or in use (i.e., safety vests, safety shoes, leather gloves).
- Barriers are intact, in place, with applicable postings (i.e., at-the-controls).
- Dosimetry and security badges are properly worn and clearly visible.
- Operators have signed the current Radiological Work Permit (RWP) or work document and understand the applicable radiological postings in the area.
- Emergency equipment in the area is accessible and not damaged (i.e., eye wash stations, spill kits, portable extinguishers).

- Chemicals and lubricants not in use are stored in the local chemical/flammable storage locker(s).

- Equipment safety interlocks are checked and documented appropriately.

CCP management will designate specific areas to be inspected more frequently due to such considerations as areas of high personnel activity, or where known problems exist (e.g., adverse weather conditions). They may also designate areas to be inspected less frequently due to existing personnel safety concerns. The CCP VPM will conduct a thorough tour of all areas within their responsibility to evaluate the attributes of the Operator's Inspection Tours and the following:

General Safety

- Status board(s) are current/up-to-date.

- Standing orders/operator aids are properly posted and clearly visible to the operator.

- Operators are alert and attentive at the equipment.

- Waste Handling Equipment/waste containers do not block or restrict egress routes.

- Radiological Warning Devices are operating.

Procedural Compliance

- Operating procedures are at the equipment, current, in good repair, and open to the step(s) being performed.

- Equipment logbooks are in use, entries are legible and adequate.

- Steps performed from the procedure were observed to have been performed in sequence, verbatim, and were documented appropriately, if required.

4.4 Personnel Protection

CCP personnel shall adhere to the requirements of the Host site Industrial Safety Program. Proper hearing, vision, head, foot, and respiratory protection shall be worn in designated areas to reduce the potential for injury. Clothing will not be so tight as to restrict movement or so loose as to get caught in moving machinery. This information is specified within CCP operations procedures and posted appropriately throughout the area(s) where CCP activities will occur.

Emphasis will be placed on determining the adverse factors that contribute to personnel exposures and minimizing those factors to keep exposures within as low as reasonably achievable (ALARA) specifications.

4.5 Response to Indications

A fundamental principle of safe facility operation is to believe your indications. CCP personnel will:

- Assume that the alarm condition, gauge reading, meter reading, analytical result, etc., is accurate, unless proven otherwise.
- Take appropriate response action.

The results of the action will be reported to the appropriate facility personnel.

4.6 Resetting Protective Devices

The VPM is the only person who can authorize resetting tripped devices associated with the CCP-provided equipment downstream of the Host site utility interfaces.

The Host site manager is the only person who can authorize resetting tripped devices supporting CCP upstream of the Host site utility interfaces.

When a protective device trips, a visual inspection of the device and associated equipment will be performed prior to resetting the device.

4.7 Authority to Operate Equipment

4.7.1 The following requirements apply to the Host site, its equipment, and the interface with CCP characterization activities:

- The Host site manager is in charge of plant operations 24-hours-a-day. This judgment may be overruled only by the Host site manager's chain-of-command.

- The Host site manager's operational judgment will be considered definitive. This judgment may be overruled only by the Host site manager's chain-of-command.

- The Host site manager is responsible for maintaining the plant in a safe configuration during normal and abnormal situations.

- The Host site manager approves of operations and/or maintenance of plant equipment and systems.

4.7.2 The following requirements apply to the operation of CCP characterization activities:

The VPM will obtain approval from the Host site manager before performance of operations and maintenance of CCP equipment and systems.

The VPM's operational judgment will be considered definitive for the safe operation of CCP characterization activities. This judgment can only be overruled by the following:

- The Host site manager in matters of overall safe operation of the Host site.

- The CCP Manager responsible for Operations.

- The CCP Manager.

- Nuclear Waste Partnership (NWP) Senior Management, or designees, directly responsible for CCP operations.

CCP operations will be performed only by properly trained and qualified personnel as verified from the LOQI by the VPM.

Upon discovery of an emergency or non-routine event, CCP personnel shall:

- Take immediate actions to ensure their own safety.

- If appropriate, warn other employees who may be affected.

- Report the event to the VPM and the Host site manager as soon as possible.

Operators will establish plant safety conditions over facility production conditions for all off-normal and emergency facility situations.

4.8 Shift Operating Bases

Each operating base will be equipped with appropriate office equipment for the operator to maintain necessary procedures and references to conduct administrative duties.

Necessary communication equipment will be available at each operating base.

4.9 Potentially Distractive Written Material and Devices

Some devices, such as radios, are allowed in administrative work areas. Non-job-related written materials may be present in the administrative work areas, but personnel are not allowed to read these during work hours.

Written material that does not relate to operations and entertainment devices (e.g., radios, televisions, tape players, and computer games) are prohibited for use by on-duty operating personnel.

Non-work-related written materials and entertainment devices will not be brought to operator workstations.

Cell phones may be used by on-duty operating personnel to supplement other means of two-way communications as long as no Host site cell phone restrictions exist and no additional hazards are introduced by cell phone usage. On-duty operators shall not use text messaging for personal business or play games on cell phones. The VPM may authorize the use of text messaging as a means of communicating business related information within a project. Personal phone calls shall be minimized by on-duty operators.

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5.0 CONTROL AREA ACTIVITIES

5.1 Control Area Access

Control Areas, when required, shall be established by the VPM.

Access to Control Areas will be limited to persons who need to be in Control Areas on official business.

The Control Area Operator will grant access to Control Areas. The one exception to this requirement is the on-duty VPM. The on-duty VPM may enter a Control Area without permission. The VPM will clearly announce when entering and when leaving the Control Area.

The "at-the-controls" area of Control Areas will be clearly identified with a boundary understood by all persons who are granted access to the area.

Only those activities essential to supporting operations and activities authorized by management will be conducted in Control Areas.

5.2 Monitoring the Main Control Panels

The Control Area Operators will be alert and attentive to control panel indications and alarms.

The Control Area Operators will frequently and closely monitor control panel indications to detect problem situations early.

The Control Area Operators will take prompt action to determine the cause and to correct abnormalities.

5.3 Control Operator Ancillary Duties

Duties assigned to operators should not interfere with their ability to monitor parameters.

If an operator is involved in administrative tasks, other qualified operators will assume responsibility to monitor the process.

The administrative work load of operators responsible for monitoring and operating Control Areas will be minimized.

5.4 Operation of Control Area Equipment

Only persons specifically authorized by CCP qualification programs will operate Control Area equipment.

Trainees, when allowed to operate Control Area equipment, will be supervised and controlled properly by the operator who would normally perform the evolutions.

6.0 COMMUNICATIONS

6.1 Emergency Communications Systems

When personnel are working in areas where emergency notifications cannot be heard, alternate methods for alerting these persons will be used:

- The Host site manager and the VPM will provide the appropriate notification methods for their responsible areas.

- Operators will ask for clarification of any communication that is not understood. Repeat-backs are to be used when determined to be necessary by supervision.

6.2 Lessons Learned

Lessons Learned are developed based on CCP's operating experience, or operating experience information provided by the DOE or other external sources, to ensure ongoing improvement of safety and reliability. Cognizant CCP managers will review Lessons Learned materials or events and determine the necessity to issue a lessons learned. The cognizant manager or designee will develop CCP Lessons Learned.

Lessons Learned will be developed using Attachment 7, Lesson Learned Form. The number for the Lessons Learned will be obtained from the Lesson Learned Log maintained by CCP Training. Once Attachment 7 is complete, the preparer will sign and forward Attachment 7 to the cognizant manager for review and approval. The approved Attachment 7 may be routed to the target audience as supplemental required reading or be provided as a briefing to the target audience. The electronic read-and-sign process administered by CCP Training is the preferred method for distributing Lessons Learned as supplemental required reading.

The approved Attachment 7 will be posted to the Lessons Learned folder on the CCP file transfer protocol (sftp) site. The record copy will be submitted to the CCP Records program for retention. Lessons Learned obtained from other DOE facilities or the DOE National Lessons Learned Database may be issued by obtaining a Lessons Learned number from CCP Training and determining a target audience. A copy of all CCP Lessons Learned will be provided by the cognizant manager to the NWP Lessons Learned Coordinator.

TheNWP Lessons Learned Coordinator will ensure that NWP Lessons Learned are posted on the WIPP Lessons Learned Alerts Database on the

WIPPNet, making them available for review by CCP personnel as applicable.

6.3 Communication of Employee Concerns

6.3.1 When personnel wish to report an employee concern, they should follow existing processes (i.e., Open Door Policy, discussion with management). Documented employee concerns will be tracked in accordance with existing processes.

NOTE

This process DOES **NOT** take the place of STOP WORK for immediate safety issues. This process DOES **NOT** replace any other employee concern process.

6.3.2 When personnel identify an abnormal condition at CCP Host sites, formal notification should be made to the VPM:

- Notification can be made via telephone but will be followed with formal notification.
- Formal notification can be an e-mail, fax, or memorandum.
- Notification is to include the name of the person identifying the concern or abnormal condition and whether the issue is safety related.
- A copy of the notification shall be sent to the secretary for the CCP Project Manager by the VPM to allow tracking of issues in the NWP Commitment Tracking System (CTS).

7.0 ON-SHIFT TRAINING

7.1 Adherence to Training Programs

Qualification training is based on training identified in CCP-QP-002, *CCP Training and Qualification Plan*, or CCP-QP-040, *Support Training,* depending on the position requiring qualification training.

7.2 Supervision and Control of Trainees

CCP personnel will receive indoctrination, training, and qualification necessary to achieve initial proficiency; maintain proficiency; and adapt to changes in technology, methods, job responsibilities, and quality implementing procedures, prior to performing operations.

CCP On-the-Job-Training (OJT) Instructors will be specifically designated in writing. Selection of OJT Instructors will take into account communication skills, technical knowledge, and ability to instruct trainees properly using hands-on experience.

Trainees will not be allowed to perform any tasks within their qualification areas unsupervised. The maximum number of trainees allowed during operations and the maximum number of trainees per SME/qualified operator will be established by the VPM. The following requirements shall be met prior to allowing a trainee into the characterization activity to begin qualification:

- The LO shall provide the VPM with at least one week of advance notice prior to a trainee arriving at a Host site.

- The VPM shall verify that the trainee has the PPE required by the Health and Safety Plan, AHA, JHA, or other requirements document prior to allowing the trainee to proceed to the characterization activity to begin qualifications. As a minimum, this will include steel-toed or composite-toed safety shoes/boots.

The trainee has the following responsibilities during the time it takes to complete the qualification program and is accountable for these responsibilities:

- The trainee shall ensure that the PPE required to work in and transit to/from the characterization activity is available and worn at all times when under instruction.

- The trainee shall not leave the immediate supervised area of the OJT Instructor or other qualified operator while working on qualifications.

- The trainee shall not perform any task in the work area without the direct supervision of the OJT Instructor or a qualified operator until qualifications are complete and the trainee is listed on the LOQI.

The OJT Instructor or qualified operator has the following responsibilities any time a trainee is assigned to complete a qualification program and is accountable for these responsibilities.

- The OJT Instructor or qualified operator shall verify that the trainee has the required PPE to work in or around the characterization activity prior to transiting to the characterization activity.

- The OJT Instructor or qualified operator shall ensure that the trainee is supervised at all times. The OJT Instructor or qualified operator must be able to stop the trainee from performing tasks incorrectly or unsafely at all times.

Any ongoing training activities involving trainees will be suspended during unanticipated or abnormal events.

The LO and the VPM will monitor the trainee qualification to ensure that the above requirements are met.

7.3 Operator Qualification Program Approval

The CCP Cognizant Manager (CM) will ensure that the requirements of the training program are implemented in accordance with CCP-QP-002 and CCP-QP-040.

7.4 Training Documentation

CCP-QP-002 provides documentation guidance for qualification programs.

8.0 INVESTIGATION OF ABNORMAL EVENTS, CONDITIONS, AND TRENDS

All requirements of this section are covered by applicable Host site procedures.

9.0 NOTIFICATIONS

CCP personnel shall immediately notify CCP Management (PM/VPM for field operations) of any abnormal event (e.g., emergency event, injury/illness, damage to equipment).

All Host site notification requirements are covered by applicable Host site procedures.

10.0 CONTROL OF EQUIPMENT AND SYSTEM STATUS

The Host site manager is tasked with maintaining a broad overview of operations.

10.1 Status Change Authorization and Reporting

Responsibility for maintaining proper configuration and authorizing changes of Host site equipment and systems rests with the Host site manager.

Responsibility for maintaining proper configuration, and authorizing changes of CCP equipment, rests with the VPM, as modified by specific site interface documents.

All maintenance activities conducted on CCP equipment shall be authorized under the Host site work control program. The VPM shall be aware of and approve any maintenance activities conducted by Host site maintenance personnel on CCP equipment. The VPM shall evaluate the impacts of maintenance conducted by Host site maintenance personnel and provide a briefing to affected CCP personnel prior to the start of the maintenance activity.

A specific pre-job briefing shall be conducted by the VPM for any maintenance on CCP equipment conducted by CCP personnel or technical representatives from CCP subcontractors. The Host site prescribed pre-job briefing format will be followed where it is required by the work control system. In any case, the briefing shall include technical, radiological safety, and industrial safety aspects of the work and address the following as a minimum:

- The scope of the approved work document.
- The hazards identified in the approved work document, AHA, JHA, and RWP (or equivalent documentation).
- The actions taken to mitigate the hazards.
- The control of subcontractor technical personnel and limitations on their performance of work within the approved scope.
- Responsibilities of support personnel (i.e., Industrial Safety Engineer, Radiological Controls Technician, etc).
- Response to alarm or unexpected conditions.

All CCP and support personnel involved in the maintenance activity, including vendor technical representatives, shall attend the pre-job briefing. The briefing, including a list of all personnel attending the briefing, shall be documented in the applicable Operational Logbook (OLB).

CCP personnel will monitor the equipment and systems of their assigned area frequently, especially after starting components, to assure proper operation.

When changing the operational status of equipment/systems and anticipated results are not received, the operator will:

- STOP WORK and inform the LO and the VPM.
- Take necessary action to restore the equipment/system to a proper operating status or place it in a safe operating condition.
- Place the equipment or system in a safe condition and obtain direction from the LO and the VPM before proceeding if an unexpected result occurs while performing an operating procedure.

10.2 Equipment Locking and Tagging

All requirements of this section are covered by applicable Host site procedures.

10.3 Operational Limits Compliance

Operational limits will be addressed in CCP Technical Procedures, as required.

10.4 Equipment Deficiency Identification and Documentation

All requirements of this section are covered by applicable Host site procedures.

10.5 Equipment Post-Maintenance Testing and Return to Service

Requirements of this section are addressed in CCP-TP-140, *CCP Equipment Maintenance*, where implemented, or are covered by applicable Host site procedures.

11.0 LOCKOUT AND TAGOUTS

All requirements of this section are covered by applicable Host site procedures.

12.0 INDEPENDENT VERIFICATION

All requirements of this section are covered by applicable Host site procedures.

13.0 LOG KEEPING

OLBs shall be used at each CCP operation which operates complex equipment with nuclear material (e.g., NDA, NDE, GGT). The OLB provides an accurate narrative log of the history and status of the facility operation. Log keeping will not take precedence over the safe operation of the facility. Completed OLBs will be managed in accordance with CCP-QP-008*, CCP Records Management.*

13.1 Logbook

The logbook shall be a hard bound book. The OLB is considered a Quality Assurance (QA) record. Control numbers are issued by the CCP Records Center. For record purposes, an OLB shall only be in service for one calendar year or until the logbook is full (if filled within calendar year timeframe). The primary users of the OLB will be the equipment operators. A new logbook shall be issued to characterization activities on the first working day following the first of January each year or the first working day after notified the current OLB is full. The full logbook or logbook from the previous year shall be closed out and turned in to the CCP Facility Records Custodian.

When not in use, the OLB shall be stored in a locked fire-rated cabinet.

13.2 Logbook Entries

Information will be recorded in a timely fashion to prevent incomplete or inaccurate entries. The first page shall identify the logbook as an OLB, control number, calendar year, description of the facility/equipment, including location (e.g., Idaho National Laboratory [INL], Savannah River Site [SRS]), and the printed name and initials of the personnel who will be making entries. Each page shall be dated (a new page for each date) and each entry shall include the person's initials and time of day.

Daily entries will be made in a manner that can be easily read and understood and contain as much significant information as possible to make event and history reconstruction possible. Log entries will be made in indelible, reproducible ink (black recommended). At the end of each calendar day, a single diagonal line will be drawn through the remaining blank lines on the page in use and the initials and date entered by the diagonal line to indicate no further entries for that day. At the end of the calendar year, a single diagonal line shall be drawn through the first blank page after the last page of OLB entries. No further entries this year, initial, and date shall be entered by the diagonal line.

Minimum daily entries, when equipment is operational, shall include the following:

- Safety walk-down of facility
- Facility mode conditions (e.g., operational or shutdown), if applicable
- Safety or security issues, if any
- Verification that operating procedures are current
- Verification that software in use is approved and current
- Entries required by CCP technical procedures

Other daily entries could include information such as:

- Equipment startup and shut down times
- Equipment deficiencies
- Lockout/tagout information
- Visitors
- Production throughput
- Performed maintenance activities
- Reference to the approved procedure describing the work, including control number and revision
- When multiple procedures are associated with the work (e.g., documenting calibration data), a statement of the objectives and a description of the work to be performed may be added.

13.3 Logbook Corrections

NOTE

OLBs shall **NOT** be corrected with correction fluid or correction tape.

Corrections to logbook entries will be made by placing a single line through the incorrect entry without obliterating the prior entry and writing the correct entry in a nearby available space. Corrections will be initialed and dated.

13.4 Late Entries

Entries made in a logbook out of chronological sequence are designated as late entries. Late entries are made in the logbook by documenting the time the late entry is made, entering (late entry), documenting the time the entry should have been made, documenting the entry, and initialing the entry.

IF the day the entry should have been made has been closed out,
THEN document the time and the date the entry should have been made.

13.5 Logbook Reviews

The VPM will review, sign, and date the logbook each operational week at a minimum. The reviews validate the entries are accurate and adequate.

The Transportation Certification Official (TCO) will review, sign, and date the Mobile Loading Operational logbook each operational week at a minimum. Should the TCO not be available to review the Mobile Loading Operational Logbook, the VPM may perform and document the review.

For Small Quantity Sites, logbooks will be reviewed by the VPM or a person designated by the manager for operations within one week of the completion of the process or activity for which the logbook was used.

13.6 Annual Reconciliation of Operational Logbooks

CCP Records

13.6.1 At the end of each calendar year, reconcile assigned OLB numbers with the OLBs submitted to CCP Records, as follows:

[A] Verify that an OLB has been submitted for each OLB number assigned during the previous year.

[B] Resolve any discrepancies with the responsible VPM.

Following receipt of all required OLBs and resolution of discrepancies, file an Operational Logbook Annual Reconciliation Report documenting the reconciliation effort and listing the OLBs that were verified.

14.0 TURNOVER AND ASSUMPTION OF RESPONSIBILITIES

NOTE

This section is not applicable to CCP operations working only a normal day shift schedule. Turnover checklists will not be utilized unless the CCP operations extend to multiple shifts. Turnover checklists are otherwise not applicable to CCP personnel.

14.1 Turnover Checklists

Supervisory positions routinely conducting shift turnovers will use a turnover checklist for the process. These checklists will provide vital information about the site operational status. The managerial checklists will also require documenting the review of the equipment logbook.

Equipment logbooks, or other formal documentation, will be used to provide on-coming operators with an understanding of the operating status of their equipment.

A review of logbooks will be performed by on-coming shift personnel. Initials by watch station personnel after review of logbooks will signify review completion.

14.2 Document Review

On-coming personnel and CCP management will review documents specified on their turnover checklists before assuming responsibility for their shift position.

This document review will be as intensive as necessary for the on-coming personnel to understand important history, present status of the facility, and planned events.

Logbook entries for the previous 24-hour period, or since the relieving operator's last shift, will be reviewed.

Logbooks will be reviewed so that personnel and their management are familiar with all active entries, which emphasize changes that have occurred since the last shift.

14.3 Control Panel Walkdown

On-coming managers will walkdown main equipment areas during, or shortly after, shift turnover.

Control Area on-coming and off-going personnel will walkdown their main control panel(s) together.

14.4 Discussion and Exchange of Responsibility

The off-going manager or operator will explain all items noted on the turnover checklist at a time when facility conditions are stable.

When facility conditions are changing or unusually complicated conditions exist, watch relief will not occur until directed by the VPM.

Turnover communications will include the on-coming operator or management asking any pertinent questions.

Each unusual reading, significant log entry, or out-of-specification reading will be discussed, and reasons for any questionable entries resolved, before watch relief.

After reviewing the logs, the on-coming and off-going watch station personnel will discuss the current watch station status, using the turnover checklist (as applicable), noting the following (as appropriate):

- Work order/maintenance work in progress
- Work order/maintenance retest in progress or waiting retest
- Reason for equipment being out-of-commission
- Abnormal equipment conditions, system lineups, or alarm status
- Evolutions and tests in progress
- Potential problem areas.

On-coming operator or manager assumption of responsibility will be concluded with an entry into a logbook or operating log, as appropriate for the shift position.

14.5 Shift Crew Briefing

A crew briefing will be conducted by the VPM.

The crew shift briefing will include a review of facility and equipment status, problems with equipment, and evolutions in progress or planned during the shift.

Shift operators and personnel from support groups will attend shift briefings when their activities can directly affect facility operations.

Shift briefings will result in operating and support personnel understanding shift priorities and objectives.

14.6 Relief Occurring During the Shift

Shift relief occurring during the shift will result in a turnover that ensures that the on-coming person is at least as knowledgeable of the conditions as would have occurred had a complete shift turnover process been conducted.

Shift positions will not leave their assigned work areas without a formal relief by another qualified person if equipment is in operation.

The LO in charge may secure shift positions manned on a part-time basis.

15.0 CONTROL OF INTERRELATED PROCESSES

All requirements of this section are covered by applicable Host site procedures.

16.0 REQUIRED READING

The Host site prescribed Conduct Operations required reading program will be followed where it is part of their Safety Basis (SB) or Safety Management Program (SMP), or when otherwise required by a work control system. Required reading includes need-to-know corporate information, safety bulletins, lessons learned, or information that will add value to the operations but are not a prerequisite for indoctrination or performing work.

Required reading for personnel will be assigned by the cognizant manager. The cognizant manager will provide the reading material to assigned personnel. The cognizant manager will issue Attachment 8, CCP Required Reading Documentation with the required reading.

The completed Attachment 8 will be returned to the cognizant manager. Once the cognizant manager verifies and validates completion of Attachment 8, it will be forwarded to CCP Training in accordance with CCP-QP-008.

As an alternative to the use of Attachment 8, the electronic read-and-sign process administered by CCP Training may be used to distribute and document required reading. Although either the Attachment 8 or the electronic process may be used, the electronic process is preferred.

17.0 TIMELY INSTRUCTIONS/ORDERS

17.1 Purpose of Timely Instructions/Orders

Timely orders (normally technical or general information or direction), hereafter called standing orders, when used, provide a means to communicate direction to operators. This direction may be short-term or long-term depending on the situation as evaluated by the cognizant VPM or CCP Managers in Carlsbad. Information, such as special operations, data collection, plotting process parameters, special reviews, or other similar matters, may be included in standing orders. Standing orders shall not be used to deviate from approved procedures. However, standing orders may supplement approved procedures with new or additional requirements.

Standing orders may be technical or non-technical. Technical standing orders pertain to direction or clarification given to the physical operation of a characterization unit or activity. Non-technical standing orders pertain to direction or clarification given to data review, certification activities, or other non-operational reasons.

17.2 Writing Standing Orders

Standing orders will be written and issued at the appropriate level in the CCP Organization. Standing orders specific to field activity direction at a site or amplification of technical procedures at a specific site (i.e., amplification or change to a Host site technical safety requirement) shall be known as site-specific standing orders. Standing orders affecting Project Office documents or activities, QA documents, or CCP-wide review of characterization data at the data generation level, or waste certification shall be known as Project Office standing orders. The Project Office may request or direct that a site-specific standing order be written. Any VPM may request that a Project Office standing order be written.

Standing orders shall be written by the person having final approval authority or by a person designated by that authority. Site-specific standing orders shall be written using Attachment 5, Site-Specific Standing Order Format. Project Office standing orders shall be written using Attachment 6, Project Office Standing Order Format. Standing orders that when printed are more than one page will contain page X of XY at the bottom of each page and capture the standing order number and revision number at the top of each page.

17.3 Review and Approval of Standing Orders

Site-specific standing orders will be approved by the lead VPM. Site-specific standing orders that provide additional technical requirements to a characterization activity or technical procedure or clarify the implementation of existing requirements will be reviewed by the affected LO(s). Site-specific standing orders that are written for the implementation of new technical safety requirements or industrial safety requirements, or change the implementation of existing requirements, will be reviewed by the Host site technical representative (STR) and Facility Safety Representative (FSR) as required in the site-specific Interface Document. Site-specific standing orders that provide direction or additional guidance concerning implementation of compliance requirements will be reviewed by a currently qualified SPM.

Project Office standing orders will be approved by the cognizant Project Office manager in Carlsbad. In specific cases, Project Office standing orders may be approved by a Field Project Manager if assigned the responsibility for a Project Office document. Project Office standing orders that augment or clarify existing procedures concerning the implementation of compliance requirements will be reviewed by a currently qualified SPM.

17.4 Controlling Standing Orders

Each approved standing order shall be assigned a unique number, including a designator for the issuing site (i.e., Oak Ridge National Laboratory [ORNL], Savannah River Site [SRS], Los Alamos National Laboratory [LANL], Idaho National Laboratory [INL], etc.). Project Office standing orders will not have a site designator in the unique number. Standing orders shall have a revision number. Standing orders may be revised as conditions warrant. Standing orders shall be entered in Attachment 1, Standing Order Index, when approved. Each authority approving standing orders shall maintain a folder/binder listing all approved, superseded, or cancelled standing orders. This folder/binder shall be kept in an approved records safe when not in use. Standing orders DO **NOT** need to be revised due to a revision of CCP-PO-005, *CCP Conduct of Operations*.

Affected CCP personnel will be briefed on new or revised standing orders. This may be performed during the daily pre-operations briefing, turnover meeting, or at a briefing session for the affected operators. CCP operators will also be notified when any standing order is cancelled. All standing orders issued by CCP, site-specific or Project Office, shall be provided to CCP Training to post in the Standing Orders Folder on the CCP sftp site.

Site-specific standing orders containing technical direction or clarification shall be provided to the affected characterization activity LO for posting. The LO shall have the standing order posted in close proximity to the area in which the standing order will be used and securely fastened in a manner that will not obscure instruments, indicators, or alarms. LOs may choose to post other standing orders at their discretion.

Any data collected as instructed by a standing order will be dispositioned to records in accordance with CCP-QP-008.

17.5 Reviews of Standing Orders

Standing orders shall be reviewed on a quarterly basis to verify that the standing orders remain necessary and that the technical direction (the "Order" portion) in posted standing orders is still current. Standing orders that remain current and necessary shall not be revised. Standing orders that are not current but are necessary shall be revised and reissued. Standing orders that are no longer necessary shall be cancelled and removed from the field.

Standing orders that supplement existing procedures shall remain in effect for as long as they are needed, or until the language of the standing order has been incorporated into the existing procedure. The quarterly review shall be documented by the approving authority on Attachment 2, Quarterly Standing Order Review. Documentation of this review provides evidence that the remaining standing orders are necessary and that the posted standing orders are current. The completed Attachment 2 shall be filed in the controlled standing order folder/binder.

17.6 Submittal of Standing Order to Records

All site-specific standing orders, Standing Order Index forms, and Quarterly Standing Order Review forms will be submitted to CCP Records in accordance with CCP-QP-008 at the completion of characterization activities at the site.

Project Office standing orders and Quarterly Standing Order Review forms that have been superseded or cancelled will be submitted to CCP Records in accordance with CCP-QP-008. Project Office Standing Order Index forms will be maintained by the Project Office and submitted to CCP Records when all standing orders listed on a Standing Order Index form have been superseded or cancelled. They will be submitted in accordance with CCP-QP-008.

18.0 TECHNICAL PROCEDURES

Technical (operating) procedures are developed, reviewed, and approved to provide appropriate direction to ensure that the facility is operated safely. Approved procedures should be effectively used to support safe operation of the facility.

18.1 Procedure Development

CCP procedures are required to meet the format guidance in CCP-QP-010, *CCP Document Preparation, Approval, and Control*.

18.2 Procedure Content

The uniformity of content is controlled in accordance with CCP-QP-010.

18.3 Procedure Changes and Revisions

Procedure revisions are controlled in accordance with CCP-QP-010.

18.4 Procedure Approval

New or revised procedures are approved in accordance with CCP-QP-010.

18.5 Procedure Review

New or revised procedures are reviewed in accordance with CCP-QP-010.

18.6 Procedure Availability

Procedures are made available to operators through compliance with CCP-QP-010.

18.7 Use of Procedures

Procedures will be adhered to at all times. As the sole exception to this requirement, operators may take whatever action is necessary during emergency conditions to place the facility in a safe condition and to protect equipment, personnel, and public safety without first initiating a procedure change.

Copies of operating procedures printed from the CCP sftp site, Controlled Documents folder, may be used to conduct operations.

Procedures and fillable forms will be verified current at the beginning of each shift. Procedure revisions will be verified against the current revision of the procedure posted in the Controlled Documents folder on the CCP sftp site. When the CCP sftp site is not accessible, the document may be verified by calling CCP Document Control. An entry will be made in the logbook to document the document number, current revision, effective date, and person contacted when verifying documents with CCP Document Control. Documents verified at the beginning of the shift will be considered current through the remainder of that shift.

For continual shift work (i.e., more than one shift per day), if an evolution is stopped for more than one shift, the operator will re-verify the document is the current revision prior to restarting the evolution.

Numbered procedure steps will be performed in the order written unless specifically stated otherwise.

If, in the opinion of the operator, a procedure cannot be performed as written, the system or component will be placed in a safe condition and CCP management informed so the discrepancy can be corrected. Procedures have been prepared anticipating facility condition. In the event of a situation not covered by an approved procedure, personnel will:

- Minimize risk of personnel injury and personnel exposure to hazards.
- Minimize hazardous material release to the environment.
- Protect facility equipment.
- Protect experimental data.
- Notify the LO and the VPM.

All CCP operations will be conducted with the procedure open and followed step-by-step. The reader/performer method may be used as long as the reader has the procedure open and follows step-by-step, verifying that each action is performed as read. NO other methodology is acceptable for performing operations in CCP.

Only controlled or working (a copy of a controlled copy that has been verified correct) copies of procedures will be used by operators. This ensures that the procedures are up-to-date with all procedure change notices and revisions.

The VPM will ensure operating staff are aware of revisions to technical procedures impacting applicable CCP equipment at their sites.

The CCP Transportation Manager will ensure that transportation personnel are aware of revisions to procedures impacting the operation of transportation equipment.

18.8 Fillable Forms

Fillable forms, when used properly, are a valuable tool for improving the quality of data. Fillable forms may be produced by CCP Document Services or the end user and must meet the following requirements.

A fillable form must contain a header with the procedure number, revision number, procedure title, effective date, and page number as displayed in the parent procedure.

The attachment number and title from the parent procedure attachment shall be documented immediately following the header.

All data fields from the parent procedure attachment shall be presented on the fillable form in the same order and identically worded.

The data fields should be made to expand to ensure that the data is appropriately captured, as necessary. Data fields should only be limited on expansion to prevent having additional pages created by the expansion of one or more of the fields. The LO or SPM should be contacted for direction when data will not fit onto a one page fillable form.

Signature blocks shall be included on the fillable form when included on the parent procedure attachment.

Fillable forms may include simple calculations (addition or subtraction). However, these calculations must be checked by hand during the review of the data. No complex calculations or operations may be imbedded within a fillable form without being approved in accordance with CCP-QP-022, *CCP Software Quality Assurance Plan*.

Fields in fillable forms must be blank each time the forms are opened. No pre-filled-in data, information, or checks may be present in any data field when these forms are opened.

Fillable forms must be verified current prior to use as discussed in Section 18.7.

19.0 OPERATOR AIDS

Operator Aids, when used, provide information useful to operators in performing their duties. Operator Aids may be in many forms, such as the latest revision of pages out of procedures, handwritten notes, and information tags. Operator Aids shall be viewed as a convenience to the operator, not administrative/technical requirements and/or direction. Specifically, Operator Aids may supplement approved procedures, but shall not be used in lieu of approved procedures. Operator Aids may be proposed by any CCP personnel. The LO shall review all Operator Aids to verify they meet the criteria identified herein before they are approved by the VPM and posted. The LO will obtain concurrence for an Operator Aid that affects Host site equipment or personnel from the appropriate equipment and/or personnel manager/supervisor prior to VPM approval. The LO review, Host site concurrence, if required, and VPM approval shall be documented on the Operator Aid. The Operator Aids shall be posted in close proximity to the area in which they will be used and securely fastened in a manner that will not obscure instruments, indicators, or alarms. Operator Aids which detail characterization information shall be approved by the process Cognizant Engineer and the site SPM.

A Controlled Operator Aid folder/binder listing all currently approved, superseded, and canceled Operator Aids, including a copy of each, shall be maintained by the VPM. Each Operator Aid approved by the VPM shall be assigned a unique number and entered in Attachment 3, Operator Aid Index. The VPM shall review/verify, semi-annually, that the Operator Aids in use remain necessary and the posted Operator Aids are current. Operator Aids that are no longer applicable or outdated shall be promptly removed and canceled by the VPM. Those that are not current, but are still needed, will be revised and reissued. This review shall also be documented by the VPM on Attachment 4, VPM Semi-annual Operator Aid Review, and filed in the Controlled Operator Aid folder/binder. Operator Aids do not need to be revised due to a revision of CCP-PO-005.

All Operator Aids, Operator Aid Index forms, and VPM Semi-annual Operator Aid Review forms will be submitted to CCP Records, in accordance with CCP-QP-008, at the completion of characterization activities at the site.

20.0 COMPONENT LABELING

Components are labeled per equipment vendor specification.

21.0 RECORDS

Records generated during the performance of this document are maintained as QA records in accordance with CCP-QP-008. The records are the following:

21.1 QA/Nonpermanent

- Attachment 1, Standing Order Index
- Controlled standing orders

  - Site-specific

  - Project Office
- Attachment 2, Quarterly Standing Order Review
- Attachment 3, Operator Aid Index
- Controlled Operator Aids
- Attachment 4, VPM Semi-annual Operator Aid Review
- Formal Notification of Communication of Employee Reports of Abnormal Field Conditions (e-mail, fax, or memorandum)
- Turnover Checklists (when applicable)
- Attachment 5, Site-Specific Standing Order Format
- Attachment 6, Project Office Standing Order Format
- Briefing sheets (flows into CCP-QP-002)
- Attachment 7, Lessons Learned Form
- Lessons Learned Log
- Attachment 8, CCP Required Reading Documentation
- Training Module – Required Reading
- Operational Log Books
- Operational Logbook Annual Reconciliation Report

Controlled
Copy

Attachment 1 – Standing Order Index

Standing Order Number	Description	Date Approved	Date Cancelled	Superseded By	Date Superseded

Attachment 2 – Quarterly Standing Order Review

1. Site:_____ 2. Date: _____

3. Standing orders in effect:

4. Standing orders cancelled as a result of this review:

5. Standing orders revised as a result of this review:

6. Comments:

Printed Name	**Signature**	**Date**

Attachment 3 – Operator Aid Index

Operator Aid Number	Description	Date Approved	Date Cancelled	Superseded By	Date Superseded

Attachment 4 – VPM Semi-annual Operator Aid Review

1. Site:_____ 2. Date:_____

3. Operator Aids in effect:

4. Operator Aids cancelled as a result of this review:

5. Operator Aids revised as a result of this review:

Comments:

VPM Printed Name	**Signature**	**Date**

Attachment 5 – Site-Specific Standing Order Format

CCP Standing Order CCP-SO-____-___Rev. _____

Title:

Applicability

Order

This order will remain in effect until:

Background

Lead Operator **Printed Name/Signature/Date**

SPM (if applicable) **Printed Name/Signature/Date**

STR (if applicable) **Printed Name/Signature/Date**

FSR (if applicable) **Printed Name/Signature/Date**

VPM **Printed Name/Signature/Date**

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Attachment 6 – Project Office Standing Order Format

CCP Standing Order CCP-SO-___Rev. _____

Title:

Applicability

Order

This order will remain in effect until:

Background

VPM (if applicable) **Printed Name/Signature/Date**	**VPM** (if applicable) **Printed Name/Signature/Date**
VPM (if applicable) **Printed Name/Signature/Date**	**VPM** (if applicable) **Printed Name/Signature/Date**
VPM (if applicable) **Printed Name/Signature/Date**	**Safety** (if applicable) **Printed Name/Signature/Date**
SPM (if applicable) **Printed Name/Signature/Date**	**CCP Manager** **Printed Name/Signature/Date**

Attachment 7 – Lessons Learned Form

CCP Lessons Learned Number:	**Date:**
Title:	**Target Audience:**
Lessons Learned Statement:	
Background:	
Lessons Learned Discussion:	
Recommended follow-up actions:	
Prepared by:	**Management Approval:**

Attachment 8 – CCP Required Reading Documentation

Document Title:	**Document Number:**	**Revision No.:**
Assigned Date:	**Due Date:**	
Instructions: You are required to read this document as part of your CCP Required Reading. After you have read this document, sign, and date below.		
Acknowledgement Statement: My signature below indicates I have read the document listed above and understand the changes and impacts.		
Employee Printed Name:	**Employee Signature:**	**Date:**

Cognizant Manager Validation:

Printed Name	**Signature**	**Date**

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CCP-PO-024

Revision 14

CCP/INL
Interface Document

EFFECTIVE DATE: 06/28/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	10/25/2004	Initial issue.
1	02/23/2005	Revised based on the Implementation Plan for CCP Characterization Operations Improvements.
2	04/12/2005	Revised to incorporate changes for legacy debris waste.
3	04/29/2005	Revised to incorporate Host facility organizational changes.
4	03/14/2006	Revised to incorporate clarification of reporting and transportation requirements.
5	11/16/2006	Revised to clarify and strengthen the radiological reporting requirements of this interface document and to specify the use of the on-line headspace gas analysis system for transportation flammable gas analysis. Added new Sections 4.20 and 4.21. Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
6	05/15/2007	Revised to clarify Authorization Basis and Configuration Management requirements and to add direct-loaded standard waste boxes (SWBs). Revised to incorporate several freeze-file items provided by the Advanced Mixed Waste Treatment Project (AMWTP) during the previous revision.
7	01/04/2008	Revised to incorporate the implementation of the Central Characterization Project (CCP) Transportation Certification program at Advanced Mixed Waste Treatment Project (AMWTP).
8	07/07/2008	Revised to add guidance from the Packaging documents available through the U.S. Department of Energy (DOE) and realign operational procedures for Host site review. Revised process for managing nonconforming drums. Minor editorial changes made.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
9	03/16/2009	Revised in response to Corrective Action Report (CAR) CAR-INL-0006-08, and to add guidance concerning container segregation, use of Host site measuring and test equipment (M&TE), and Host site training.
10	12/29/2010	Minor revision to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
11	07/18/2011	Revised segregate documents which are required to be approved by each program and address any editorial corrections needed.
12	10/01/2012	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes and incorporated freeze file changes.
13	11/02/2012	In response to CAR-LANL-0003-12, revised to clarify roles associated with providing measuring and testing equipment (M&TE) Certificates of Calibration to Central Characterization Program (CCP).
14	06/28/2013	Revised to remove all instances of real-time radiography (RTR), to make changes referencing quality assurance (QA), and to incorporate the Class 2 permit modification approved by New Mexico Environment Department (NMED) on March 13, 2013.

TABLE OF CONTENTS

1.0 PURPOSE 6

2.0 REQUIREMENTS 9

3.0 RESPONSIBILITIES 10
3.1 Initial Setup 10
3.2 Operations 10
3.3 CCP INL Project Manager 12
3.4 CCP Site Project Manager (SPM) 13
3.5 Quality Assurance (QA) 13
3.6 Host Site Subcontract Technical Representative (STR)/Designee (Host Site Management Position) 14
3.7 Host Site Operations 15
3.8 Host Site Line Management 16
3.9 CCP Vendor Project Manager (VPM) 16
3.10 CCP Waste Certification Official (WCO) 17
3.11 AMWTP Waste Certification Official (AMWTP WCO) 17
3.12 CCP Transportation Certification Official (TCO) 17

4.0 INTERFACE 19
4.1 Training and Qualification 19
4.2 Container Management 19
4.3 Deficiencies and Nonconformances 20
4.4 Visual Examination (VE) Technique 21
4.5 Nondestructive Assay (NDA) 21
4.6 Flammable Gas Analysis (FGA) 22
4.7 Gas Generation Testing (GGT) 22
4.8 Source Control 22
4.9 Acceptable Knowledge (AK) 23
4.10 Data Validation and Reconciliation 23
4.11 Measuring and Test Equipment (M&TE) 24
4.12 Work Standards 24
4.13 Waste Certification and WWIS/WDS Data Entry 28
4.14 Transportation 28
4.15 Quality Assurance (QA) 29
4.16 Project Control 29
4.17 Procedures 30
4.18 Document Transmittals 34
4.19 Authorization Basis (AB) and Configuration Management 36
4.20 Notification 37
4.21 Procurement 37
4.22 Occurrence Reporting and Processing System (ORPS) and Price-Anderson Amendments Act (PAAA) 38

5.0 RECORDS..... 39

6.0 OVERSIGHT 40

LIST OF FIGURES

Figure 1. Nuclear Waste Partnership - INL..... 41

1.0 PURPOSE

The Central Characterization Program (CCP) is a mobile program designed to characterize, certify, and transport transuranic (TRU) waste from various U.S. Department of Energy (DOE) sites to the Waste Isolation Pilot Plant (WIPP) in New Mexico. The CCP is operated by Nuclear Waste Partnership (NWP), at the direction of the DOE Carlsbad Field Office (DOE-CBFO).

DOE-CBFO has deployed a portion of the CCP to the Radioactive Waste Management Complex (RWMC), located on the Idaho National Laboratory (INL). CCP has been deployed to this site to process both the legacy TRU waste currently in storage at the Advanced Mixed Waste Treatment Project (AMWTP), and the newly generated TRU waste being retrieved as part of the Accelerated Retrieval Project (ARP).

This document defines the interfaces between the CCP and the Host site organization(s) necessary to perform this work. This document is invoked contractually via a Statement(s) of Work (SOW) between the Host site organization and NWP. This document is intended to clarify and expand on details contained in the upper tier SOW and program documents.

CCP has responsibility for waste characterization, certification, and transportation activities as defined in the SOW. CCP services include compilation, reporting, acceptable knowledge (AK), nondestructive assay (NDA), visual examination (VE) and VE Technique, gas generation testing (GGT), flammable gas analysis (FGA), data validation and verification, waste certification, transportation certification, contact-handled (CH) Packaging operations, and WIPP Waste Information System/Waste Data System (WWIS/WDS) data entry. AMWTP personnel may augment CCP transportation activities, as long as work is performed in accordance with CCP and/or DOE-CBFO certified procedures.

In providing these services, CCP may opt to use other DOE-CBFO certified TRU programs. CCP will accept batch data reports (BDRs) validated through the data generation level from these other DOE-CBFO certified programs while performing project office activities in accordance with the DOE-CBFO Quality Assurance Program Document (QAPD).

These services will be performed with CCP and/or Host site equipment with appropriate DOE-CBFO certified procedures. Services provided by CCP comply with DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC); *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC); *Waste Isolation Pilot Plant Hazardous Waste Facility Permit,* Attachments C-C6, *Waste Analysis Plan* (WIPP-WAP), Host site authorization basis (AB) requirements; and permit requirements, including those pertaining to waste disposal and transportation. This work will be performed under a DOE-CBFO certified quality assurance (QA)

program that meets the requirements defined in the DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*. The Host site may augment CCP characterization efforts as requested by CCP. Where required, services performed by the Host site shall comply with CCP-certified procedures.

The Host site has primary responsibility for assuring that requirements for safety (including Radiological Control, Emergency Management, Industrial Safety and Hygiene [IS&H]), security, safety basis, environmental permits, and other areas are met for CCP activities, and that CCP activities support the scheduled objectives. CCP is responsible for complying with these Host site requirements and is also responsible for performing activities in support of the Host site's scheduled objectives.

Throughout this document, the Host site contractors' responsibilities are limited to the specific CCP activities being conducted within their facilities.

The CCP certifies DOE TRU waste at the INL for disposal in accordance with the certification authority that has been granted by the DOE-CBFO.

This document addresses specific requirements for the following areas:

- Working safely
- Training and qualification
- Container management
- Deficiencies and nonconformances
- VE and VE Technique
- Thermal conditioning environment
- NDA
- GGT
- FGA
- Performance Demonstration Program (PDP)
- Source control
- Reporting requirements, as applicable

- AK
- Data validation and verification
- Measuring and Test Equipment (M&TE)
- Work standards
- QA
- Project Control
- Procedures
- Document Transmittals
- Procurements
- Records
- Waste Certification and WWIS/WDS Data Entry
- Transportation
- Waste treatment data requirements

The Host site reports conditions or concerns that have or may have safety, health, QA, security, operational, or environmental implications to Department of Energy-Idaho (DOE-ID). CCP reports their similar issues to the Host site and to DOE-CBFO.

2.0 REQUIREMENTS

This document implements the applicable requirements of the following:

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, CCP *Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- WP 15-GM.02, *Worker Safety and Health Program Description*
- DOE/CBFO-94-1012, *Quality Assurance Program Document*

3.0 RESPONSIBILITIES

3.1 Initial Setup

3.1.1 CCP is responsible for the following during initial setup:

[A] Providing information and procedures to the Host site Subcontract Technical Representative (STR)/Designee, who will coordinate facility, QA, TRU Programs, and Environmental Safety & Health (ES&H) reviews to determine satisfactory compliance with Host site AB requirements, radiological control requirements, and other safety and operational requirements.

[B] Completing readiness activities, as needed, to support authorization of CCP activities at the Host site.

[C] Providing project support to complete administrative reviews and approvals of technical and administrative procedures or processes.

[D] Mobilization of project management and staff.

[E] Mobilization of equipment and supplies, as appropriate.

3.2 Operations

3.2.1 CCP is responsible for the following activities to support Operations:

[A] Performing system start-up and calibration of CCP-operated characterization equipment at the Host site.

[B] Successfully participate in the PDP, as needed.

[C] Performing safety walk-downs and management assessments.

[D] Responding to and resolving assessment and surveillance findings for CCP Operations activities.

[E] Ensuring CCP and Host site personnel are trained and qualified in accordance with the requirements specified in Section 4.1.

[F] Successful completion of DOE-CBFO Recertification Audit.

[G] Providing container tracking support for the containers introduced into characterization activities.

[H] Ensure CCP personnel are enrolled in a NWP-approved Occupational Medical Program in accordance with WP 15-GM.02.

3.2.2 The Host site provides the following support for CCP activities:

[A] Radiological controls required to support characterization activities in host facilities, including:

- Radiological postings.
- Radiation protection surveys, both initial and routine, on characterization equipment and approved survey reports to the CCP INL Project Manager (PM)/Designee, as required.
- Personnel dosimetry.
- Dose assessments and dosimetry reports.
- Calibrated and source-checked survey instrumentation, as required.
- Work Control documents to support CCP activities.
- Bioassay sample collection, evaluation, and reports. The CCP INL PM or CCP Vendor Project Manager (VPM) will be notified of any positive bioassay results as soon as is reasonably possible.
- Radiological source controls.

[B] Adequate heated storage space, as needed, for GGT and FGA.

[C] Site-specific training required to support characterization activities in Host facilities.

[D] IS&H support and oversight.

[E] Fire Protection and Emergency Management support.

[F] AB oversight, including Unreviewed Safety Question (USQ) evaluations.

[G] Environmental impact oversight and support.

[H] Container handling, inventory control, segregation, and storage location tracking.

[I] Personnel to be trained and qualified under the CCP program, as needed, to support CCP activities, such as VE Technique, Transportation Certification, CH Packaging operations, waste retrieval, and procurement.

[J] Document classification reviews, as required, to allow the public release of documents, such as the AK Summary Report.

[K] Maintenance support activities, as needed.

[L] Provide Batch Data Reports as needed.

3.3 CCP INL Project Manager

3.3.1 Functions as CCP's primary interface and point-of-contact between CCP and the Host site STR/Designee for waste characterization and certification activities.

3.3.2 Ensures CCP and Host site personnel are trained and qualified to perform WIPP-compliant TRU waste characterization, certification, and CH Packaging operations at the Host site prior to commencement of work activities.

3.3.3 Confirms sufficient characterization equipment is available to perform the required characterization activities at the Host site.

3.3.4 Provides evidence to the Host site STR/Designee of PDP participation and successful completion, as requested.

3.3.5 Provides status on CCP characterization operations to the Host site STR/Designee, as requested.

3.3.6 Ensures that the data packages required for waste to be certified under AMWTP's program are sent to the AMWTP Site Project Manager (SPM)/Designees after data generation level validation is completed.

3.3.7 Works with the STR/Designee to release work in CCP's areas of responsibility and to accomplish mode changes for safety basis equipment that CCP operates.

3.4 CCP Site Project Manager (SPM)

3.4.1 Functions as CCP's primary interface and point-of-contact for all data quality and validation as well as AK discrepancies.

3.4.2 Works in conjunction with the PM to confirm sufficient characterization has been completed for containers for validation and certification at the Host site.

3.4.3 Works in conjunction with the PM and VPM to ensure that the data generation and project level verification and validation of BDRs is completed.

3.4.4 Works in conjunction with the STR/Designee to ensure containers required for characterization (e.g., VE, etc.) are identified and lists transmitted to the STR/Designee.

3.4.5 Ensures Waste Stream Profile Forms are available for the Host site for waste characterized by CCP, as requested.

3.4.6 Provides the AK Summary Report to the STR/Designee for DOE waste characterized by the CCP.

3.4.7 Approves transmittal of data packages prepared for AMWTP-approved waste streams to AMWTP upon completion of data generation level review.

3.4.8 Functions as the point-of-contact to resolve any issues found during the AMWTP SPM review of data packages.

3.5 Quality Assurance (QA)

3.5.1 Functions as CCP's primary interface and point-of-contact for QA matters between CCP, Host site, and DOE-CBFO.

3.5.2 Validates the Nonconformance Reports (NCRs) or Corrective Action Reports (CARs) generated by CCP personnel performing characterization activities at the Host site, per CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*, and CCP-QP-029, *CCP Corrective Action Management.*

3.5.3 Provides copies of NCRs or CARs at initiation and upon closure for information to the Host site STR/Designee per Section 4.3.1 requirements.

3.5.4 Ensures that NCRs or CARs are dispositioned in a timely manner in accordance with CCP-QP-005 and/or CCP-QP-029.

3.5.5 Ensures receipt inspections of procured items and services are performed in accordance with CCP-QP-026, *CCP Inspection Control*, and coordinated with Host site personnel.

3.5.6 Provides the Host site STR/Designee with a copy of the semi-annual trending summary reports per CCP-QP-014, *CCP Quality Assurance Trend Analysis and Reporting*.

3.5.7 Reviews required CCP software QA per CCP-QP-022, *CCP Software Quality Assurance Plan*.

3.6 Host Site Subcontract Technical Representative (STR)/Designee (Host Site Management Position)

3.6.1 Functions as the Host site primary interface and point-of-contact between the Host site's organizations and CCP's INL PM and VPM.

3.6.2 Ensures that the AMWTP Facility Modification Process is complete and the USQ process is complete, including approval by the appropriately-qualified facility personnel as required, for proposed modifications to CCP hardware, software, or procedures prior to CCP implementing the proposed modification.

3.6.3 Ensures needed site infrastructure support, such as radiological safety and IS&H, is available for waste characterization certification and CH Packaging operations.

3.6.4 Ensures documentation of completed Host site-specific training is provided to CCP Training per Section 4.1.3.

3.6.5 Coordinates review, provides comments, and approves comment resolutions on procedures listed in Section 4.17.3 for the purpose of ensuring Host site AB requirements and permit requirements are met.

3.6.6 Ensures that periodic surveillances of CCP operations by the Host site are conducted and reported to CCP.

3.6.7 Distributes the CCP documents listed in Section 4.17.3 to Host site reviewers as required by the Host site administrative controls.

3.6.8 Reviews and, if appropriate, concurs per CCP-QP-010, *CCP Document Preparation, Approval and Control*, on documents in Section 4.17.3 of this Interface Document.

3.6.9 Provides facilities, construction services, utilities, phone services, office services, and supplies, as appropriate.

3.6.10 Provides AMWTP NCRs and/or CARs to CCP VPM or designee, if NCRs and/or CARs are generated on AMWTP waste containers after certification.

3.6.11 Ensures the data packages required for waste to be certified under CCP's program are sent to CCP Records after data generation level validation is completed, if applicable.

3.7 Host Site Operations

3.7.1 Ensures containers identified for characterization certification of CH Packaging operations are provided.

3.7.2 Provides personnel to support the CCP Acceptable Knowledge Expert (AKE) in the collection of required documents and procedures, as needed.

3.7.3 Performs container structural integrity checks per Host site procedures for Host site waste being provided to CCP for partial characterization, and ensures that data on direct-loaded standard waste boxes (SWBs), 55/85 gallon drums, and 100-gallon drums is provided to CCP prior to assay or FGA evolutions.

3.7.4 Provides oversight of CCP field operations to ensure safe, efficient operations.

3.7.5 Ensures containers identified as certified are physically segregated by placing them in a clearly identified and designated holding area until shipped. Containers with hold/nonconformance tags SHALL **NOT** be placed in these rows.

3.7.6 Ensures certified containers selected for payloads/shipping are ONLY retrieved from the clearly identified and designated holding area.

3.8 Host Site Line Management

3.8.1 The Host site will provide line management authority through assigned shift supervisor, plant shift managers, and Integrated Production Planning managers to Host site personnel to ensure FGA and CH Packaging operations under CCP procedures are adequately conducted to support the Host site transportation schedule.

[A] Responsible for the day-to-day assignment of a sufficient number of qualified Host site personnel to augment operations under CCP procedures to meet CH shipment commitments.

[B] Provides work authorization and release in accordance with Host site policies and procedures for FGA and CH Packaging operations.

[C] Acts as the direct line of communication to Host site support organizations and services in support of FGA and CH Packaging operations.

3.9 CCP Vendor Project Manager (VPM)

3.9.1 Functions as CCP's primary interface and point-of-contact between CCP and the Host site STR/Designee for field operations.

3.9.2 Provides daily pre-operations briefing.

3.9.3 Ensures that in-process documents and the documents listed in Section 4.18.2 are transmitted to the CCP Project Office as soon as practicable per CCP-QP-008, *CCP Records Management.*

3.9.4 Ensures applicable Material Safety Data Sheets (MSDS) are maintained, available to support operations, and have been approved by and provided to the Host site STR/Designee.

3.9.5 Provides oversight of CCP field operations to ensure safe, efficient operations.

3.9.6 Supervises day-to-day CCP TRU waste characterization activities.

3.9.7 Notifies the CCP INL PM, Host Site Integrated Production Planning Manager, Plant Shift Manager, Nuclear Facility Manager, and the STR/Designee of any abnormal events associated with safe operation of CCP activities, for reporting purposes.

3.9.8 Works in conjunction with Host site operations organizations to establish and maintain scheduled throughput of waste containers/drums.

3.9.9 Makes notifications to the CCP INL PM of operational mode changes.

3.10 CCP Waste Certification Official (WCO)

3.10.1 Interfaces with CCP Transportation Certification Officials (TCOs) to provide CCP containers certified for disposal at the WIPP.

3.10.2 Creates and certifies Overpack containers in WWIS/WDS.

[A] Provide Overpack builds list to AMWTP Integrated Production Planning for mining and delivery to CCP CH Packaging operations for Overpack assembly.

[B] Certify Overpack containers in WWIS/WDS for disposal at the WIPP.

3.11 AMWTP Waste Certification Official (AMWTP WCO)

3.11.1 Interfaces with CCP Waste Certification Official (WCOs) and TCOs to provide AMWTP containers certified for disposal at the WIPP.

3.11.2 Enters AMWTP containers requiring a FGA data review in pre-subcert in WWIS/WDS for certification.

3.11.3 After CCP review and verification of FGA data, AMWTP WCOs will certify containers for WWIS/WDS entry.

3.12 CCP Transportation Certification Official (TCO)

3.12.1 Provides oversight to AMWTP Operations personnel for payload and Overpack assembly.

3.12.2 Creates and verifies payload container(s) list(s) to AMWTP Integrated Production Planning for moving and delivering to CCP and CH Packaging Operations for payload assembly (e.g., seven packs, 14 packs).

3.12.3 Certifies payloads for transportation to and disposal at the WIPP.

3.12.4 Provides oversight to AMWTP operations for TRUPACT/HalfPACT loading.

3.12.5 Builds payloads from certified containers and overpacks provided by AMWTP WCOs and CCP WCOs in WWIS/WDS.

3.12.6 Builds shipments from approved payloads in WWIS/WDS.

3.12.7 Provides peer review of shipment file paperwork, including screening of Trackwise for NCRs.

3.12.8 Provides information and paperwork to AMWTP shippers for manifesting, marking, and labeling of TRUPACT/HalfPACT shipments to the WIPP.

3.12.9 Ensures Los Alamos National Laboratory (LANL) mobile loading unit personnel and Host site personnel are trained and qualified to perform WIPP-compliant CH TRU waste packaging and loading operations at the Host site prior to commencement of work activities.

4.0 INTERFACE

4.1 Training and Qualification

4.1.1 CCP personnel or Host site personnel who perform work under CCP procedures will be trained and qualified to WIPP requirements according to CCP-QP-002, *CCP Training and Qualification Plan*.

4.1.2 Administrative work, such as BDR reviews that require no access to the Host site, may be completed by personnel who have not completed the Host site required site-specific training. Personnel who have not completed site-specific training will not be allowed unescorted access to the characterization activities.

4.1.3 CCP and Host site personnel assigned to the field operations must complete the Host site, site-specific training. The STR will ensure that the Host site-specific training documentation is sent to CCP Training and notification is made to the SPM.

4.1.4 Both the CCP training and Host site-specific training must be completed prior to the individual being assigned to perform independent work at the Host site. Training must be tracked according to respective training procedures.

4.2 Container Management

4.2.1 The Host site is responsible for container movement, segregation, and storage.

4.2.2 The Host site will provide the dose rate and surface contamination information necessary to certify container(s) for disposal.

4.2.3 CCP is responsible for container management throughout the CCP characterization process. CCP will perform container management per CCP-TP-068, *CCP Standardized Container Management*.

4.2.4 Host site will provide the required information to CCP when the Host site requests CCP to perform characterization of non-CCP waste.

4.2.5 The Host site is responsible for providing direct-loaded SWBs and 100-gallon drums to CCP for assay.

4.2.6 The Host site is responsible for providing documented information to the CCP PM for any modification to containers after original

container closure and/or AK has been completed for CCP Certifiable Containers.

[A] The CCP SPM/Designee will review the documented information of modified containers and will correct/change/modify CCP characterization data, as necessary.

4.3 Deficiencies and Nonconformances

4.3.1 CCP Identified Deficiencies and Nonconformances

NOTE

The QA will confirm appropriate closure of the deficiencies that are resolved by CCP.

[A] If CCP personnel identify a nonconformance condition associated with a waste container during the CCP characterization or certification process, CCP personnel will initiate an NCR in accordance with CCP-QP-005.

[B] If the deficiency or nonconformance is resolved by CCP, CCP will ensure appropriate closure of the deficiency in accordance with CCP-QP-005.

NOTE

Due to the nature of the work, drums returned to ARP will not have an NCR generated by the Host site. This information will be provided to ARP for management tracking purposes.

[C] If a container with an NCR is provided to the Host site for remediation, CCP will provide the NCR documentation to the Host site STR/Designee. This information will be used by the Host site to initiate an NCR in the Host site's NCR management system. These containers shall be provided to the Host site for segregation consistent with DOE/WIPP QAPD, Section 1.3.2.4, Segregating Nonconforming Items. These containers will be managed in accordance with the Host site specific procedures and/or requirements. The Host site will not remove the CCP hold tag unless directed to do so by appropriate CCP personnel (e.g., PM, VPM, SPM, QA). After the Host site completes remediation, the container will be returned to CCP for subsequent verification of the remediation and characterization. If CCP closes an

NCR on a container previously provided to the Host site for remediation, CCP will provide the NCR closure documentation to the Host site STR/Designee. This information will be used by the Host site to close the NCR in the Host site's NCR management system.

[D] If a container with an NCR is removed from CCP's AK tracking spreadsheet to be permanently returned to the Host site, CCP will provide the NCR documentation to the Host site STR/Designee. This information will be used by the Host site to initiate an NCR in the Host site's NCR management system. The Host site will contact the CCP INL PM to remove CCP hold tags on containers which are permanently returned to the Host site.

4.3.2 Host Site Identified Deficiencies and Nonconformances

[A] Deficiencies or nonconformances identified by the Host site during this project which affect waste characterization, transportation, or certification activities shall be promptly identified to the CCP PM or VPM, who will initiate an NCR or CAR in accordance with applicable CCP procedures.

[B] The Host site will issue NCRs or CARs in accordance with the Host site QA Program and Procedures.

4.4 Visual Examination (VE) Technique

4.4.1 CCP will conduct VE Technique for the ARP at the time of waste packaging in accordance with CCP-TP-006, *CCP Visual Examination Technique for Idaho National Laboratory (INL) Newly Generated TRU Waste*, using a facility provided by Host site.

4.4.2 The Host site will be responsible for maintenance and repairs to the VE facility.

4.5 Nondestructive Assay (NDA)

4.5.1 The Host site will provide support for the CCP participation in the NDA PDP. This support includes preparation of the test containers, delivery of the containers to the CCP NDA equipment, and responsibility for PDP source control.

4.5.2 If the preliminary CCP assay results for any container indicate a fissile gram amount greater than 380 grams, including measurement error (that is, one standard deviation), the

appropriate Host Site Plant Shift Manager or Nuclear Facility Manager shall be immediately notified. The Host site Operations will remove the container from the NDA unit and store the container in a safe configuration. The CCP will provide a finalized NDA analysis report to the Host site STR/Designee within seven days.

4.6 Flammable Gas Analysis (FGA)

4.6.1 CCP will perform sampling and analysis using a GC/MS with TCD in accordance with DOE/WIPP-06-3345, *Waste Isolation Pilot Plant Flammable Gas Analysis.*

4.6.2 CCP will be responsible for maintenance and repairs to GC/MS instrumentation.

4.6.3 AMWTP will be responsible for replacing the filter vent, as needed, to support FGA sampling in WMF-634, per CCP procedure CCP-TP-082, *CCP Waste Container Filter Vent Operation*.

4.7 Gas Generation Testing (GGT)

4.7.1 CCP will perform GGT sampling and analysis using GGT canisters in accordance with CCP-TP-083, *CCP Gas Generation Testing*, and CCP-PO-016, *Gas Generation Testing Quality Assurance Project Plan*.

4.7.2 CCP will be responsible for maintenance and repairs of the GGT canisters and instrumentation.

4.8 Source Control

4.8.1 CCP will provide a list of Special Nuclear Materials (SNM) reference sources required for calibration of CCP-furnished NDA systems.

4.8.2 The Host site will be responsible for NDA non-SNM reference sources. The Host site will provide CCP the number of sources, location, isotopic distribution with activity levels, and the names of the custodian and authorized users, as required.

4.8.3 The Host site will be responsible for providing radiological control support associated with the CCP NDA non-SNM reference sources. This support consists of maintaining the radioactive materials area (RMA) postings, periodic surveys, and performing a semi-annual leak check on the sources as requested by CCP.

4.8.4 The Host site will be responsible for NDA SNM reference sources. The Host site, as custodian of SNM sources, will provide to CCP the necessary sources for calibration in accordance with procedure CCP-TP-010, *CCP Waste Assay Gamma Spectrometer (WAGS) and SWEPP Gamma-Ray Spectrometer (SGRS) Calibration Procedure*. Host site personnel will load the sources into the matrix containers as requested by CCP. CCP personnel will be trained as users of the sources to the Host site procedures.

4.8.5 The Host site will provide support for the CCP participation in the NDA PDP. This support includes maintaining trained PDP coordinators, preparation of the test containers, delivery of the containers to the CCP NDA equipment, and responsibility for PDP source control. Host site support will be coordinated by the Host site STR/Designee.

4.9 Acceptable Knowledge (AK)

4.9.1 CCP records personnel will maintain the auditable AK record necessary to support the AK Summary Report in accordance with the WIPP-WAP and QAPD.

4.9.2 CCP AK personnel will perform and document the AK collection and reporting, per CCP-TP-005, *CCP Acceptable Knowledge Documentation*. CCP shall submit the AK Summary Report for Host site review and concurrence. As warranted, the Host site STR/Designee will provide written comments. Upon satisfactory disposition of comments, the Host site STR/Designee will provide written concurrence of the AK Summary Report.

4.9.3 Host site AK personnel and CCP personnel will work in conjunction with one another in the AK compilation, discrepancy resolution, or AK reassessment of source documents.

4.10 Data Validation and Reconciliation

4.10.1 Wherever CCP has obtained the services of another DOE-CBFO-certified TRU Waste Program, that program will provide DGL BDRs to CCP in accordance with their own programmatic documents.

4.10.2 CCP will provide data generation and/or project level validated data packages for NDA, VE, FGA, and GGT analysis in accordance with the approved CCP or DOE procedures governing these processes.

4.10.3 The CCP SPM and AKE will perform data reconciliation with applicable data quality objectives (DQOs) using CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*.

4.11 Measuring and Test Equipment (M&TE)

4.11.1 For CCP M&TE that requires calibration, the CCP M&TE Custodian will provide recall notification to the Host site designee.

4.11.2 For Host site M&TE furnished for use in the CCP program, the Host site STR/Designee will provide notification to the CCP M&TE Custodian when M&TE are added, deleted, or found out-of-tolerance/defective.

4.11.3 The Host site will make available National Institute for Standards and Technology (NIST)-traceable calibration services for M&TE to the CCP. The Host site will maintain records on M&TE calibration in accordance with their Records Inventory and Disposition Schedule (RIDS). The Host site M&TE contact will make the Certificate of Calibration for these M&TE items available to the CCP VPM and/or the CCP M&TE Custodian prior to issuing M&TE to CCP for use, or for M&TE calibrated through a work package, within 14 work days of completion of calibration.

4.11.4 The Host site STR/Designee will make calibration documentation and processes accessible, as needed, for internal and external audits.

4.12 Work Standards

4.12.1 CCP Personnel will participate in the Host Site Integrated Safety Management System (ISMS) Program.

4.12.2 CCP operations personnel will work under the Host site Lockout/Tagout procedure.

4.12.3 CCP and Host site-provided personnel will perform quality-affecting work under CCP procedures for TRU waste characterization, transportation, and certification activities. Host site procedures and work packages will be used for non-waste characterization activities (e.g., equipment repairs).

4.12.4 CCP operations personnel will operate in accordance with CCP-PO-005, *CCP Conduct of Operations,* and appropriate Host site Conduct of Operation procedures.

4.12.5 CCP operations personnel will comply with Host site procedures as they apply to the surface disposal area for the retrieval of ARP waste and other established characterization areas and/or transportation areas.

4.12.6 CCP personnel will work under the Host site safety basis and work control standards, (e.g., General Employee Radiological Training [GERT]). Maintenance work control activities for CCP supplied equipment and Host site-supplied equipment will be controlled using Host site work authorization procedures.

4.12.7 As outlined in CCP-PO-005, it is the responsibility of the CCP VPM to maintain equipment configuration and authorize equipment changes to ensure that Mobile Characterization Equipment (MCE) systems are operated and maintained in accordance with the Host site safety basis. The CCP VPM will not authorize a change to any MCE until steps [A] and [B] have occurred:

[A] The CCP INL PM has completed, signed, and dated Section E of CCP-CM-001, *CCP Equipment Change Authorization and Documentation*, Attachment 1, CCP Characterization Equipment Change Authorization.

[B] The Host site STR/Designee must concur with the proposed change in writing (e.g., CCP-CM-001, Attachment 1) and must provide a copy of an approved Host site USQ prior to implementation of the proposed changes. The Host site STR/Designee is responsible for ensuring that all Host site configuration management processes are utilized and that the proposed change is within the approved safety basis and permitting requirements for the Host site.

[C] The Host site will manage the configuration of the WMF-610, Waste Assay Gamma Spectrometer (WAGS), and SWEPP Gamma-Ray Spectrometer (SGRS) units in accordance with the appropriate Host site procedures. Once the WMF-610, WAGS, and SGRS have been turned over to CCP for operation, no change to the configuration will be approved by the Host site without CCP concurrence in writing (this may be accomplished by e-mail) from the VPM.

[D] The Host site will manage the configuration of WMF-634 FGA units in accordance with the appropriate Host site procedures. Changes to the configuration of WMF-634 FGA units will be documented and reported to the CCP INL PM and/or VPM, as required.

4.12.8 CCP personnel will participate in the Host site bioassay program. CCP personnel will provide samples, as requested, under the routine/random program established by the Host site. CCP personnel will submit the bioassay samples required to establish a baseline for activities at the Host site.

4.12.9 The CCP INL PM or VPM will notify the STR/Designee when new CCP personnel, NWP, and subcontractor personnel are assigned to work at INL. The CCP INL PM or VPM will notify the STR/Designee when CCP personnel, NWP, and subcontractor personnel leave the INL as a result of reassignment or resignation. This notification will occur within three to five days. The STR will notify affected organizations to support the arrival or departure of CCP personnel.

[A] The CCP INL PM or VPM will notify the STR/Designee when CCP personnel or subcontract personnel are terminated for cause on the same day of the termination. The CCP INL PM or VPM will provide the STR/Designee with written documentation attesting to the cause(s) for termination within one day of the date of termination.

4.12.10 The CCP INL PM or VPM will be notified if any bioassay sample provided by CCP personnel indicates that an uptake of any radioactive isotopes may have occurred as soon as is reasonably possible.

4.12.11 Host site radiological controls personnel will perform routine surveys for contamination and radiation as specified in Host site policies or procedures. The CCP INL PM, or VPM, and appropriate Host site management personnel will be notified immediately upon the discovery of any loose surface contamination in any CCP-occupied buildings or any of the CCP characterization equipment contained in these buildings. Access to and copies of routine survey results will be made available to CCP upon request.

4.12.12 The Host site will immediately notify the CCP INL PM or VPM, and appropriate Host site management personnel of any abnormal continuous or fixed air sample filter analysis results from any area routinely occupied by CCP personnel.

4.12.13 CCP will provide historical information on the operation of any CCP equipment deployed at the Host site for the purpose of lessons learned and the implementation of any mitigating actions

from these lessons learned from other DOE sites that have CCP services performed.

4.12.14 For Host site-supplied equipment and facilities, the Host site is responsible for ensuring the safety basis is adequate to cover the equipment and facilities that are provided. For these instances the Host site is the Design Authority. It is expected that CCP will participate in review of hazards analysis for equipment and facilities being provided.

4.12.15 For non-Host site provided equipment, CCP will provide AB input for the Host site's AB. CCP will be the Design Authority for the equipment. In addition, prior to any modification of equipment, these changes will be provided to the Host site for review and incorporation into their AB documents and will be subject to CCP configuration management program. The programmatic limits for operation of the characterization equipment are the responsibility of CCP as part of their Design Authority responsibilities.

4.12.16 CCP personnel will work under the Host site 10 Code of Federal Regulations (CFR), Part 851, *Worker Safety and Health Program,* regulations and applicable procedures governing the Host site program.

4.12.17 CCP, through NWP established programs, will comply with the 10 CFR 851 requirements.

4.12.18 CCP will **NOT** authorize a change to any software on characterization equipment operated at Host site until step 4.12.18[A] has occurred:

[A] The Host site STR/Designee must concur with the proposed change in writing and provide a copy of the approved USQ, if it is required. The Host site STR/Designee will coordinate the review of the proposed change to ensure AB and Permitting requirements are met.

4.12.19 The focus of these interfaces is to adequately protect the workers on the equipment at the various facilities.

4.12.20 The Host site and NWP Radiological Safety organizations can meet on a quarterly basis, or as necessary, to discuss the status of radiological conditions and work practices in areas routinely occupied by CCP personnel. This requirement may be met by NWP Radiological Safety personnel visiting the Host site or by teleconference, as agreed to by these organizations. The NWP

Radiological Safety Organization will provide the CCP Operations Manager and CCP INL PM with a summary of the meeting including any issues that require resolution. This summary may be provided by e-mail.

4.13 Waste Certification and WWIS/WDS Data Entry

4.13.1 CCP will prepare Waste Stream Profile Forms (WSPFs) for the subject Host site waste using CCP-TP-002.

4.13.2 CCP will transmit characterization and certification data using the WWIS/WDS and procedure CCP-TP-030, *CCP CH TRU Waste Certification and WWIS/WDS Data Entry*.

4.13.3 CCP shall submit WSPFs to the Host site for information before submittal to DOE-CBFO. The Host site will provide written concurrence based on continued compliance with CCP procedures and programs, and DOE-CBFO certification of the CCP characterization program.

4.13.4 The CCP WCO will document and certify that TRU waste payload containers meet the requirements of the WIPP-WAC and submit the data to the WWIS/WDS for approval.

4.13.5 The AMWTP WCO will document and certify that TRU waste payload containers meet the requirements of the WIPP-WAC and submit the data to the WWIS/WDS for approval.

4.13.6 CCP WCO will provide listings of containers to be overpacked, as required, to AMWTP Integrated Production Planning and CCP Transportation via e-mail.

4.13.7 CCP Transportation will begin their loading and shipping process using payload containers approved in WWIS/WDS.

4.14 Transportation

4.14.1 AMWTP will provide CH package loading equipment and personnel required to handle waste containers for Overpack container and payload assembly.

4.14.2 AMWTP will provide hoisting and rigging equipment (i.e. crane, forklift, Adjustable Center-of-Gravity Lift Fixture [ACGLF]) and qualified personnel for support of Overpack container assembly, payload assembly, and CH package loading.

4.14.3 CCP will provide CH package and Transportation Certification training to AMWTP personnel, as required, to maintain certifications for transportation activities.

4.14.4 CCP Transportation is responsible for meeting requirements for packaging TRU waste certified by AMWTP or CCP, as approved in WWIS/WDS.

4.14.5 CCP Transportation will load containers into overpacks according to CCP WCO listings and will provide the CCP WCO with the necessary data to complete the process.

4.14.6 CCP WCO and AMWTP WCO will work with CCP Transportation, as necessary, to complete the transportation process.

4.14.7 AMWTP Shipping will provide manifesting, marking, labeling, and placarding of shipments in accordance with 40 CFR, *Protection of Environment,* and 49 CFR, *Transportation,* requirements and in accordance with site-specific procedures.

4.14.8 CCP will provide certification documentation to the STR/Designee for waste shipped in accordance to CCP procedures.

4.15 Quality Assurance (QA)

4.15.1 Activities performed in the completion of waste characterization, certification, and transportation work scope will be in compliance with applicable DOE-CBFO-certified CCP procedures.

4.15.2 CCP will conduct periodic QA surveillances to assess compliance with applicable WIPP requirements.

4.15.3 The Host site will conduct audits/surveillances to assess compliance with applicable procedures.

4.16 Project Control

4.16.1 CCP and the Host site will provide weekly status for their respective scheduled activities.

4.16.2 CCP will provide the Host site with an up-to-date accrual schedule and estimates of completion at the end of each month, or as requested.

4.16.3 CCP will maintain and provide the Host site with an up-to-date organization chart listing CCP personnel, along with associated roles and responsibilities.

4.16.4 CCP will provide the Host site with invoices reflecting labor hours and material costs grouped to the specific activity (i.e., AK, Deployment, Startup, and Operations) performed.

4.16.5 CCP will provide timely cost estimates to the Host site STR/Designee for any new CCP activities planned.

4.16.6 CCP will provide the Host site STR/Designee actual cost data for each scheduled CCP Level 3 activity on a monthly basis.

4.17 Procedures

4.17.1 As defined in CCP-QP-010, editorial or minor changes may be made to all CCP documents except CCP-PO-001, CCP-PO-002, CCP-PO-003, and CCP-QP-001, *CCP Graded Approach,* without the same level of review and approval as the original document. CCP will process any required changes to CCP procedures in accordance with CCP-QP-010 and will provide any minor or editorial changes to documents to the Host site STR/Designee as “Notify Only”.

4.17.2 New Technical Operating Procedures (procedures that operate equipment) developed by CCP and scheduled to be used at the Host site shall be evaluated by the Host site STR/Designee to determine if the procedure should be added to the Host site review and approval lists defined below.

4.17.3 The following documents, and revisions to these documents, will be provided to the Host facility STR/Designee for review and approval as designated below unless categorically excluded by the Host site:

AMWTP

- CCP AK Summary Reports
- CCP Waste Stream Profile Forms for AMWTP waste streams
- CCP-CM-001, *CCP Equipment Change Authorization and Documentation*
- CCP-PO-024, *CCP/INL Interface Document*

- CCP-PO-026, *CCP Configuration Management*
- CCP-PO-403, *CCP/AMWTP Roles and Responsibilities*
- CCP-TP-010, *CCP Waste Assay Gamma Spectrometer (WAGS) and SWEPP Gamma-Ray Spectrometer (SGRS) Calibration Procedure*
- CCP-TP-019, *CCP Waste Assay Gamma Spectrometer (WAGS) Operating Procedure*
- CCP-TP-054, *CCP Adjustable Center of Gravity Lift Fixture Preoperational Checks and Shutdown*
- CCP-TP-055, *CCP Varian Porta-Test Leak Detector Operations*
- CCP-TP-068, *CCP Standardized Container Management*
- CCP-TP-082, *CCP Waste Container Filter Vent Operation*
- CCP-TP-083, *CCP Gas Generation Testing*
- CCP-TP-086, *CCP CH Packaging Payload Assembly*
- CCP-TP-115, *CCP SWEPP Gamma-Ray Spectrometer (SGRS) Operating Procedure*
- CCP-TP-140, *CCP Equipment Maintenance*
- CCP-TP-146, *CCP SuperHENC Operating Procedure*
- CCP-TP-170, *CCP SuperHENC Calibration Procedure*
- CCP-HSP-014, *Health and Safety Program Implementation for CCP*

CH2M-WG Idaho, LLC (CWI)

- CCP AK Summary Reports for ICP CH TRU Waste
- CCP Waste Stream Profile Forms for ICP CH TRU Waste
- CCP-PO-024, *CCP/INL Interface Document*

- CCP-TP-006, *CCP Visual Examination Technique for Idaho National Laboratory (INL) Newly Generated TRU Waste*

4.17.4 The following documents, revisions to these documents, and all minor changes to these documents will be provided to the Host site STR/Designee as “Notify Only” for review:

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003*, CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-005, *CCP Conduct of Operations*
- CCP-PO-016, *CCP Gas Generation Testing Quality Assurance Project Plan*
- CCP-HSP-014*, Health and Safety Program Implementation for CCP* (CWI)
- CCP-QP-001, *CCP Graded Approach*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-010, *CCP Document Preparation, Approval, and Control*
- CCP-QP-014*, CCP Quality Assurance Trend Analysis and Reporting*
- CCP-QP-015, *CCP Procurement*
- CCP-QP-016, *CCP Control of Measuring and Testing Equipment*
- CCP-QP-022, *CCP Software Quality Assurance Plan*
- CCP-QP-026, *CCP Inspection Control*

- CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*
- CCP-QP-029, *CCP Corrective Action Management*
- CCP-QP-030*, CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*
- CCP-TP-001, *CCP Project Level Data Validation and Verification*
- CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
- CCP-TP-003*, CCP Data Analysis for S3000, S4000, and S5000 Characterization*
- CCP-TP-005*, CCP Acceptable Knowledge Documentation*
- CCP-TP-030, *CCP CH TRU Waste Certification and WWIS/WDS Data Entry*
- CCP-TP-058, *CCP NDA Performance Demonstration Program*
- CCP-TP-109, *CCP Data Reviewing, Validating, and Reporting Procedure*
- CCP-TP-148, *CCP SuperHENC Data Reviewing, Validating, and Reporting Procedure*
- WP 15-GM.02*, Worker Safety and Health Program Description*

4.17.5 The following documents are controlled by DOE/CBFO and, upon CCP receiving notification of issuance/revision, CCP shall notify the Host site for purposes of USQ screening:

- DOE/WIPP 02-3183, *CH Packaging Program Guidance*
- DOE/WIPP 02-3184, *CH Packaging Operations Manual*
- DOE/WIPP 02-3185, *CH Packaging Maintenance* Manual
- DOE/WIPP 06-3345, *Waste Isolation Pilot Plant Flammable Gas Analysis*

4.17.6 CCP will maintain control of procedures listed in Section 4.17.3 and 4.17.4 in accordance with CCP-QP-010.

4.17.7 The Host site STR/Designee will review or designate the appropriate reviews of the CCP procedures listed in Section 4.17.3, and forward written comments to CCP Document Control per CCP-QP-010, for resolution.

4.17.8 The CCP SPM will confirm that the Host site STR/Designee written comments are resolved with the Host site STR/Designee concurrence prior to proceeding with CCP operations.

4.18 Document Transmittals

4.18.1 Documents listed in Section 4.18, which are provided from one organization to the other as information copies, may be transmitted via memo, fax, e-mail, or formal correspondence. Documents identified as quality records will be transmitted via CCP-QP-008.

4.18.2 Documents to be provided to the Host site STR/Designee by CCP include:

[A] List of equipment requiring calibration

[B] Copies of NCRs and CARs, at initiation and/or closure, as requested

[C] Copies of AK Summary Reports

[D] Copies of AK source documents and source document summaries, as requested

[E] Copies of semi-annual trending summary reports

[F] Copies of QA surveillance reports

[G] Copies of WSPFs

[H] Copies of VE, NDA, and FGA BDRs, as requested

[I] Information on chemical usage and copies of applicable MSDSs, as requested for inventory or reporting reasons

[J] Copies of training requirements and associated training records for Host site personnel supporting CCP

[K] A copy of the RIDS developed by CCP

[L] CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*

[M] CCP-PO-002, *CCP Transuranic Waste Certification Plan*

[N] Results of all DOE/CBFO/New Mexico Environment Department (NMED)/Department of Environmental Quality/Environmental Protection Agency (EPA) or other regulatory audit or compliance/enforcement actions that may impact its ability to characterize and transport TRU waste

[O] Copy of final data package to the WIPP via WWIS/WDS, as requested

[P] Documented evidence of participating in and passing the DOE-CBFO PDP

[Q] NMED and EPA approval of the DOE-CBFO Certification Audit Report

[R] Copy of completed shipment documentation packages

4.18.3 Documents to be provided to CCP by Host site include:

[A] Documentation of required training

[B] Documentation of training completion for CCP and Host site personnel for training received from the Host site

[C] Copies of AK source documentation requested by CCP

[D] Radiological dose rate and surface contamination results on waste containers, as needed to support WWIS/WDS data entry

[E] Radiological information as described per Section 3.2.2[A] of this document

[F] Copies of NCRs, deficiency reports, or other nonconformance documentation per Section 4.3

[G] Copies of the results of Host site internal and external assessments and audits pertaining to CCP

[H] Copies of calibration certifications, as requested

[I] Copies of QA surveillance reports

[J] Results of Industrial Hygiene sampling activities to CCP by the Host site

[K] Copies of PD-ISIH-06, *Worker Safety and Health Program*

[L] Any documentation required for CCP to perform its scope of work, including correspondence pertaining to characterization activities

[M] Copies of BDR's as requested

4.19 Authorization Basis (AB) and Configuration Management

4.19.1 The Host site has primary responsibility to ensure that CCP equipment and processes have been appropriately considered within the DOE-approved, Host site documented safety analysis.

4.19.2 The Host site shall provide to CCP Host site-generated AB documentation concerning CCP related activities and equipment, including USQs, for CCP's review.

4.19.3 CCP has primary responsibility to control operations and equipment configurations to ensure compliance with Host site procedures that protect the personnel, public, and environment.

4.19.4 For CCP-provided equipment, CCP will provide the documentation necessary for the Host site to perform the evaluation against its safety analysis. This documentation may include health and safety plans, hazard assessments, system descriptions, equipment drawings, or other information deemed necessary through mutual agreement between CCP and the Host site.

4.19.5 For Host site-provided equipment, CCP will review operational and AB documentation, including USQs, to ensure the safety of CCP personnel while operating the equipment.

4.19.6 All changes to equipment operated by CCP will be controlled by the Host site Configuration Management and Work Control Program to ensure appropriate AB evaluations are conducted and associated controls are established.

4.19.7 The Host site will submit all changes to AB requirements that affect CCP operations for review and concurrence by CCP prior to implementation.

4.20 Notification

4.20.1 The Host site has primary responsibility to notify CCP when there are changes in the Host sites used by CCP for characterization and transportation activities or changes that may impact operations.

4.20.2 The Host site has primary responsibility to notify CCP when there are changes to the policies, processes, or procedures that may affect CCP characterization activities or operations.

4.20.3 CCP has primary responsibility to ensure changes to equipment are in accordance with CCP-CM-001.

4.20.4 CCP has primary responsibility to notify the Host site when there are configuration changes to CCP or CCP vendor-owned equipment.

4.20.5 The Host site has primary responsibility to notify CCP when repairs or modifications are made to transportation trailers or packaging equipment (TRUPACT-II, HalfPACTs, etc.). NWP will then notify the appropriate Cognizant Engineer at the WIPP site. The Cognizant Engineer will verify the modification.

4.20.6 The Host site has the responsibility to notify NWP of fleet equipment issues, communicating the need and supply of payload consumables.

4.21 Procurement

4.21.1 Items and services to be purchased under CCP-PO-001, will be graded by CCP in accordance with CCP-QP-001 and coordinated with the Host site. The grading will determine whether the items and services are quality-affecting (Quality Level 1 or Quality Level 2) or non-quality-affecting (Quality Level 0) for WIPP characterization, certification, and transportation. Procurements must be in compliance with Host site 851 WSHP and process safety management requirements.

[A] CCP, in coordination with the Host site, will procure, receive, and inspect quality-affecting items and services in accordance with CCP-QP-015, *CCP Procurement.* These items and services are the sole responsibility of CCP with regard to their quality integrity. Additionally, CCP quality-affecting software shall be procured in accordance with CCP-QP-022.

[B] CCP, in coordination with the Host site, will procure non-quality-affecting items and services per CCP-QP-015,

using a graded approach for WIPP characterization, certification, and transportation.

[C] Items and services that are **NOT** related to safe operation of the facility, and which do **NOT** affect WIPP characterization, certification, and transportation, are not required to be graded by CCP or the Host site.

[D] Receipt inspection of quality-affecting items will be performed by personnel trained and qualified to CCP-QP-002.

4.22 Occurrence Reporting and Processing System (ORPS) and Price-Anderson Amendments Act (PAAA)

4.22.1 CCP, through NWP established programs, maintains the responsibility for reporting potential Price Anderson Amendments Act (PAAA) issues resulting from the certification and transportation of TRU waste by CCP at INL. This includes filing any Occurrence Reporting and Processing System (ORPS) reports resulting from the certification or transportation of TRU waste by CCP at INL.

4.22.2 The Host site maintains the responsibility for reporting potential PAAA issues resulting from issues with safe operation of CCP characterization activities (e.g., Radiation Safety, IS&H, Industrial Hygiene, Maintenance, Lockout/Tagout, Conduct of Operations, etc.) at INL. This includes filing any ORPS reports resulting from issues with safe operations of CCP characterization activities at INL.

4.22.3 Both INL and CCP reserve the right to file ORPS and PAAA reports, as they deem appropriate, upon coordination and consultation with one another concerning certification or safe operation of characterization activities by CCP at INL.

4.22.4 Both INL and CCP shall invite the other to participate in the investigation of any waste characterization event that results in an ORPS or PAAA report.

4.22.5 Both INL and CCP shall support and participate in investigations when CCP characterization activities result in an ORPS or PAAA report.

5.0 RECORDS

5.1 Records generated during the performance of the waste characterization, transportation, and certification scope are controlled by CCP.

5.2 QA records generated by CCP documents referenced in this plan are maintained in accordance with CCP-QP-008.

5.3 QA records generated by CCP will be maintained and dispositioned in accordance with CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*.

6.0 OVERSIGHT

NOTE

Through the contract between the Host site and NWP, and the associated SOW, the Host site has delegated the authority to characterize and certify TRU waste to be shipped to the WIPP. Nonetheless, the Host site retains the responsibility for proper disposal as the waste generator. Accordingly, the following actions will define the level of oversight of the CCP by Host site personnel.

6.1 The Host site will accept successful completion of the DOE-CBFO certification audit as adequate evidence that the CCP implementation at the Host site is fully compliant with waste disposal requirements as set forth in the WIPP-WAC and WIPP-WAP. Host site conducts, at their discretion, periodic surveillances of CCP operations.

6.2 Following successful completion of the certification audit, the Host site QA will conduct periodic surveillances to ensure CCP work is conducted in accordance with CCP procedures. These surveillances will be conducted in accordance with the Host site QA procedures.

6.3 The Host site QA will provide copies of its surveillance reports to the CCP PM. The CCP PM and QA will take the following actions:

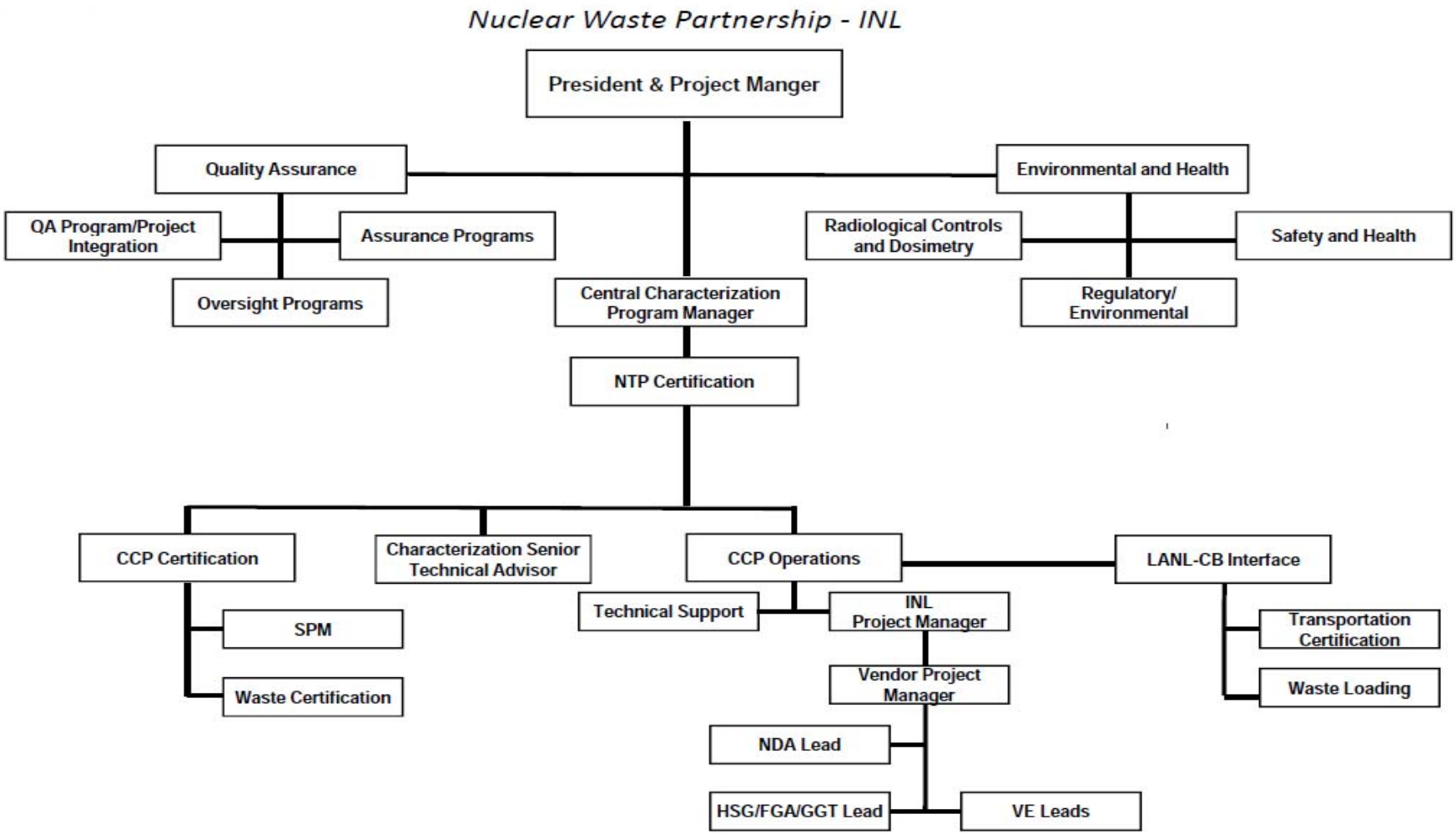
6.3.1 Review the Host site surveillance reports for any findings or other deficiencies against the CCP scope of work.

6.3.2 If required, prepare and process CARs in accordance with CCP-QP-029 for deficiencies identified during the review.

6.3.3 Provide Host site QA with CCP actions to correct the identified deficiencies, as documented in the CCP CAR.

6.3.4 QA will maintain an information file of the Host site surveillance reports conducted on the CCP scope of work.

Figure 1. Nuclear Waste Partnership - INL



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Effective Date: FEB 2 6 2013

CCP-PO-505
REVISION 2

CCP
Remote-Handled Transuranic Waste
Authorized Methods for Payload Control
(CCP RH-TRAMPAC)

Approved by: _____ Date: 2-25-13
CCP Site Project Manager
Mike Ramirez

Approved by: _____ for VC Date: 2-26-13
Quality Assurance
Val Cannon

Approved by: _____ Date: 2-25-13
NTPC Manager
Ed Gulbransen

Approved by: _____ Date: 2·26-13
ACTING DOE-CBFO Quality Assurance Director
Martin Navarrete

Approved by: _____ Date: 2·26·13
for DOE-CBFO
Office of National TRU Program Director
J.R. Stroble

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	09/25/2006	Initial Issue.
1	12/01/2011	Revised to update to *Remote-Handled Transuranic Waste Authorized Methods for Payload Control (RH-TRAMPAC)*, Revision 1, dated April 2011, U.S. Nuclear Regulatory Commission Docket No. 71-9212.
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TABLE OF CONTENTS

1.0 INTRODUCTION 8
1.1 Scope 8
1.2 Purpose 8
1.3 Requirements 9
1.4 Methods of Compliance 9
1.4.1 Visual Examination (VE) 10
1.4.2 Visual Inspection 11
1.4.3 Radiography 11
1.4.4 Records and Database Information 11
1.4.5 Administrative and Procurement Controls 11
1.4.6 Measurement 12
1.4.7 Sampling Program 12
1.5 RH-TRUCON Document 12
1.5.1 Required Elements 13
1.5.2 Use and Approval 15
1.6 Compliance Program 16
1.6.1 CCP Transportation Certification Official (TCO) 16
1.6.2 U.S. Department of Energy-Carlsbad Field Office 17
1.7 Quality Assurance (QA) 18

2.0 CONTAINER AND PHYSICAL PROPERTIES REQUIREMENTS 19
2.1 Authorized Payload Container 19
2.1.1 Requirements 19
2.1.2 Methods of Compliance and Verification 19
2.2 Container/Package Weight 19
2.2.1 Requirements 19
2.2.2 Methods of Compliance and Verification 20
2.3 Container Marking 21
2.3.1 Requirements 21
2.3.2 Methods of Compliance and Verification 21
2.4 Filter Vents 21
2.4.1 Requirements 21
2.4.2 Methods of Compliance and Verification 23
2.5 Residual Liquids 23
2.5.1 Requirements 23
2.5.2 Methods of Compliance and Verification 24
2.6 Sharp or Heavy Objects 24
2.6.1 Requirements 24
2.6.2 Methods of Compliance and Verification 25
2.7 Sealed Containers 25
2.7.1 Requirements 25
2.7.2 Methods of Compliance and Verification 25
2.8 Specification for RH-TRU Waste Canisters 26
2.8.1 RH-TRU Waste Canister 26
2.8.2 Neutron Shielded Canister 29

3.0 NUCLEAR PROPERTIES REQUIREMENTS 34
3.1 Nuclear Criticality 34
3.1.1 Requirements 34
3.1.2 Methods of Compliance and Verification 37
3.2 Radiation Dose Rates 43
3.2.1 Requirements 43
3.2.2 Methods of Compliance and Verification 43

4.0 CHEMICAL PROPERTIES REQUIREMENTS 60
4.1 Pyrophoric Materials 60
4.1.1 Requirements 60
4.1.2 Methods of Compliance and Verification 60
4.2 Explosives, Corrosives, and Compressed Gases 61
4.2.1 Requirements 62
4.2.2 Methods of Compliance and Verification 62
4.3 Chemical Composition 62
4.3.1 Requirements 63
4.3.2 Methods of Compliance and Verification 63
4.4 Chemical Compatibility 67
4.4.1 Requirements 67
4.4.2 Methods of Compliance and Verification 67

5.0 GAS GENERATION REQUIREMENTS 69
5.1 Flammable (Gas/VOC) Concentration Limits 69
5.1.1 Requirements 69
5.1.2 Methods of Compliance and Verification 69
5.1.3 Flammable Gas Generation Rates 75
5.1.4 Decay Heat Limits 76
5.1.5 Flammable VOCs 85
5.2 Aspiration and Venting 87
5.3 Pressure Limit 88

6.0 PAYLOAD ASSEMBLY CRITERIA 92
6.1 Requirements 92
6.2 Methods of Compliance and Verification 92
6.2.1 Procedure for Certification of Individual RH-TRU Waste Canisters 92
6.2.2 Procedure for Certification of an RH-TRU 72-B Package 96
6.2.3 Shipments Designated as Controlled Shipments 97

7.0 QUALITY ASSURANCE PLAN 105
7.1 Requirements for Payload Compliance 105
7.2 QA Compliance and Verification 105

8.0 REFERENCES 108

LIST OF TABLES

Table 2.2-1. Canister Maximum Gross Weight Limits 20
Table 2.2-2. RH-TRU 72-B Maximum Gross Weight Limit 20
Table 2.4-1. Minimum Filter Vent Specifications 22
Table 2.8-1. Canister Dimensions 26
Table 2.8-2. Canister Materials of Construction 27
Table 2.8-3. Canister Weights 27
Table 2.8-4. RH-TRU Waste Canister: Material Content Forms Authorized for Transport 29
Table 2.8-5. Neutron Shielded Canister Shield Insert Dimensions 30
Table 2.8-6. Neutron Shielded Canister Shield Insert Materials of Construction 30
Table 2.8-7. Neutron Shielded Canister Weights 33
Table 2.8-8. Neutron Shielded Canister: Material Content Forms Authorized for Transport 33
Table 3.1-1. Summary of FGE and FEM Limits 37
Table 3.2-1. Dose Rate Survey Form 47
Table 3.2-2. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding 52
Table 3.2-3. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters 56
Table 4.3-1. Table of Allowable Materials for RH-TRU Waste 65
Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides 79
Table 5.1-2. Flammable VOCs 85
Table 6.2-1. Payload Transportation Certification Document (PTCD) 100
Table 6.2-2. Site Control Checklist for Controlled Shipments 103
Table 6.2-3. Receiving Site Control Checklist for Controlled Shipments 104
Table 7-1. Application to Quality Assurance Requirements to the CCP TRAMPAC Implementation 106

LIST OF FIGURES

Figure 2.8-1. RH-TRU Waste Canister 28
Figure 2.8-2. NS15 Neutron Shielded Canister 31
Figure 2.8-3. NS30 Neutron Shielded Canister 32
Figure 3.2-1. Dose Rate Measurement Locations 46
Figure 5.1-1. Methodology for Compliance with Flammable (Gas/VOC) Concentration Limits 71

LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
AFGC	allowable flammable gas concentration
AFGGR	allowable flammable gas generation rate
AK	acceptable knowledge
ANS	American Nuclear Society
ALARA	as low as reasonably achievable
ANSI	American National Standards Institute
Be	beryllium
BeO	beryllium-oxide
CBFO	Carlsbad Field Office
CCP	Central Characterization Program
CCP RH-TRAMPAC	*CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
CFR	Code of Federal Regulations
Ci	curies
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
eV	electron-volt
FEM	fissile equivalent mass
FGE	fissile gram equivalent
FGGR	flammable gas generation rate
HAC	hypothetical accident conditions
HDPE	high-density polyethylene
ID	identification
K	kelvin
L/min	liters per minute
m/s/mf	moles per second per mole fraction
MLEL	mixture lower explosive limit
ml/min	milliliters per minute
mrem	milliröentgen equivalent man
NCT	normal conditions of transport
NDE	nondestructive examination
NIST	National Institute of Science and Technology
NRC	U.S. Nuclear Regulatory Commission
PTCD	Payload Transportation Certification Document
ppm	parts per million
psi	pounds per square inch
psig	pounds per square inch gauge
Pu	plutonium
QA	Quality Assurance
rem	röentgen equivalent man
RH	remote-handled

LIST OF ABBREVIATIONS AND ACRONYMS (continued)

RH-TRAMPAC	*Remote-Handled Transuranic Waste Authorized Methods for Payload Control*
RH-TRUCON	*RH-TRU Waste Content Codes*
RTR	real-time radiography
SAR	*Safety Analysis Report*
SFTP	secure file transfer protocol
SNT	Society for Nondestructive Testing
STP	standard temperature and pressure
TCO	Transportation Certification Official
TRAMPAC	*Transuranic Waste Authorized Methods for Payload Control* (programmatic or waste-specific data package)
TRU	transuranic
U	uranium
VE	visual examination
VOC	volatile organic compound
WCO	Waste Certification Official
WIPP	Waste Isolation Pilot Plant
wt%	weight percent
WWIS/WDS	WIPP Waste Information System/Waste Data System

1.0 INTRODUCTION

The Central Characterization Program (CCP) provides waste characterization, certification, and mobile loading capabilities for sites that do not have these capabilities or to augment the capacity of sites possessing these capabilities. CCP activities at these sites are defined in CCP/Site Interface documents. Transportation of the waste occurs in the RH-TRU 72-B packaging. The CCP Transportation Certification Official (TCO) certifies that the remote-handled (RH) waste from the various generator/storage sites meet this CCP *Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (*CCP RH-TRAMPAC*).

This CCP document fulfills the U.S. Nuclear Regulatory Commission (NRC) approved *Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (RH-TRAMPAC) requirements for payload compliance.

All CCP documents referenced in this document may be acquired on the CCP secure file transfer protocol (sftp) controlled document site (https://sftp.wipp.energy.gov/).

1.1 Scope

This CCP RH-TRAMPAC describes the requirements and acceptable methods of compliance that shall be used to evaluate the RH transuranic (TRU) materials payload contents and containers for authorization for transport in the RH-TRU 72-B packaging.

This CCP RH-TRAMPAC is reviewed at least annually and as the RH-TRAMPAC is revised.

1.2 Purpose

The purposes of this CCP RH-TRAMPAC are to:

- Define the applicable requirements for a payload to be transported in the RH-TRU 72-B packaging.
- Describe the acceptable methods that shall be used to prepare and characterize the RH-TRU waste or other payload materials prior to transport in an RH-TRU 72-B packaging.
- Identify the Quality Assurance (QA) Program that shall be applied to these methods.

1.3 Requirements

Requirements are established to ensure compliance of the payload with the transportation parameters of the RH-TRU 72-B packaging. The RH-TRAMPAC defines payload requirements under the following categories:

- Container and Physical Properties (Section 2.0).
- Nuclear Properties (Section 3.0).
- Chemical Properties (Section 4.0).
- Gas Generation (Section 5.0).
- Payload Assembly (Section 6.0).
- Quality Assurance (Section 7.0).

1.4 Methods of Compliance

This CCP RH-TRAMPAC defines how the CCP accumulates and processes the data to be provided to the CCP TCO in order for the CCP TCO to determine that a given payload meets the RH-TRAMPAC requirements for transport in the RH-TRU 72-B packaging. The CCP certification of waste for shipment includes the evaluation of existing data from host sites to verify compliance with the payload requirements listed in Section 2.0 through, and including, Section 6.0 of the RH-TRAMPAC. This CCP RH-TRAMPAC describes the allowable methods to be used for determining compliance with each payload requirement and the controls imposed on the use of each method. If evaluation of existing site data (i.e., acceptable knowledge [AK]) does not provide sufficient verification of compliance, qualified CCP personnel perform characterization activities at the particular generator/storage site to provide the necessary information to demonstrate compliance. CCP may use a combination of AK and the methods listed below to ensure that the payload is compliant with each requirement and is qualified for shipment.

CCP documents and demonstrates compliance with the RH-TRAMPAC by one of the following methods:

- CCP developed this programmatic CCP RH-TRAMPAC to define the process in which payload compliance is met. This CCP RH-TRAMPAC is approved by the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO). The implementing procedures generated from this document are reviewed for completeness and compliance as part of the audit process.

- CCP demonstrates compliance with the requirements found in this document for all sites per the following procedures: CCP-QP-002, *CCP Training and Qualification Plan,* CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* CCP-QP-008, *CCP Records Management,* CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment,* CCP-TP-005, *CCP Acceptable Knowledge Documentation,* CCP-TP-530, *CCP RH TRU Waste Certification and WWIS/WDS Data Entry,* CCP-TP-507, *CCP Shipping of RH TRU Waste,* and DOE/WIPP 02-32-85, *RH Packaging Operations Manual.* CCP demonstrates compliance for individual sites using approved CCP procedures. This document may use a generic reference for some characterization, container management and other described processes. For example, CCP may verify the absence of prohibited items using approved real-time radiography (RTR) procedures. Since CCP is deployed at several sites in the DOE complex, approved CCP procedures are utilized. The CCP secure file transfer protocol (sftp) site at https://sftp.wipp.energy.gov/ is utilized to look up procedures for specific activities.

- For a more detailed description of procedure implementing characterization and waste certification requirements (DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*), see CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan,* and CCP-PO-002, *CCP Transuranic Waste Certification Plan*.

- For small quantity shipments, a waste-specific data package *Transuranic Waste Authorized Methods for Payload Control* (TRAMPAC) is prepared by CCP in conjunction with the shipper/generator and approved by the DOE-CBFO. The waste data are evaluated against the requirements in the RH-TRAMPAC. A small-quantity shipment may be made by any waste generator who does not have a DOE-CBFO approved programmatic TRAMPAC or a waste generator with a limited number of containers not addressed in their programmatic RH-TRAMPAC.

A summary of methods of compliance that are used for RH-TRU 72-B payload control is provided in the following sections:

1.4.1 Visual Examination (VE)

VE at the time of waste generation may be used to qualify wastes for transport. The operator(s) of a waste generating area shall visually examine the physical form of the waste according to approved CCP VE procedures (e.g., CCP-TP-500, *CCP Remote Handled Waste Visual Examination)* and remove all prohibited

waste forms prior to placement in the payload container. Observation of the waste generation process by an independent operator may be used as an independent verification of the compliance of the waste prior to closure of the payload container. CCP operators also use VE to verify the absence of prohibited items in accordance with approved VE procedures.

1.4.2 Visual Inspection

Visual inspection may be used to evaluate compliance with specific restrictions (e.g., visual inspection of payload container marking). Visual inspection by a second operator may be considered independent verification. CCP performs visual inspection in accordance with CCP-TP-507 to verify that the payload containers meet the requirements (e.g., visual inspection of payload container type, marking, container integrity).

1.4.3 Radiography

Radiography, or equivalent nondestructive examination (NDE) techniques, may be used as an independent verification to qualify waste for transport after the container is closed (e.g., to NDE the physical form of the waste and to verify the absence of prohibited waste forms). Implementation of CCP-QP-002 ensures that radiography operator(s) are properly trained and qualified (including to Society for Nondestructive Testing [SNT]-TC-1A, *Personnel Qualification and Certification in Nondestructive Testing* requirements). RTR is discussed in CCP-PO-001. CCP compliance with these requirements is addressed in approved radiography procedures.

1.4.4 Records and Database Information

Information obtained from existing site records, and/or databases or knowledge of process, may be used to qualify waste for transport (e.g., as a basis for reporting the absence of prohibited waste forms within waste containers). This information may be verified using radiography (Section 1.4.3) and/or a waste sampling program (Section 1.4.7).

1.4.5 Administrative and Procurement Controls

Site-specific administrative and procurement controls may be used to show that the payload container contents are monitored and controlled and to demonstrate the absence of prohibited items.

The CCP use administrative and procurement controls to:

- Show that the payload container or contents are monitored and controlled. This is performed using the applicable site container management procedures. CCP also reviews the applicable AK information to provide evidence of proper container monitoring control during packaging.

- Demonstrate the purchase of required materials (e.g., RH-TRU waste canisters, filters) is in accordance with CCP-QP-015, *CCP Procurement*.

1.4.6 Measurement

Direct measurement or evaluation based on analysis using direct measurement may be used to qualify waste for transport (e.g., direct measurement of the weight or analysis of assay data to determine decay heat). CCP uses approved procedures for measurements obtained using the specific characterization method and uses evaluation based on analysis during the waste certification process per the requirements found in CCP-PO-002. CCP personnel are trained and qualified to industrial standards in their respective disciplines in accordance with CCP-QP-002.

1.4.7 Sampling Program

A sampling program comprised of the statistical application of other methods identified in this section may be used as an independent verification of compliance. A site-specific sampling program designed to address all payload requirements needing verification is recommended.

CCP currently does not use the statistical application of other methods identified in Section 1.4.1 through Section 1.4.6. Independent verification of compliance is performed using the approved methods outlined in Section 1.4.1 through Section 1.4.6.

1.5 RH-TRUCON Document

DOE/WIPP 90-045, *Remote-Handled Transuranic Waste Content Codes* (RH-TRUCON), is a catalog of RH-TRU 72-B authorized contents and a description of the methods used to demonstrate compliance with the RH-TRAMPAC.

1.5.1 Required Elements

Each content code within the RH-TRUCON document must contain the following elements:

CONTENT CODE: Identifies the two-letter site abbreviation that designates the physical location of the waste and the three digit code that designates the physical and chemical form of the waste. Content code identifiers are defined in the RH-TRUCON.

CONTENT DESCRIPTION: Identifies the physical form of the waste (e.g., describing whether it is inorganic or organic, solidified or solid).

GENERATING SITE: Provides the location of waste generation.

STORAGE SITE: Provides the location of the waste, if the location is different from the generating site. If the generating site and storage site are the same, this section is not required to be included in the content code.

WASTE DESCRIPTION: Provides basic information regarding the nature and/or main components of the waste.

GENERATING SOURCE(S): Lists processes and/or buildings at each site that generate the waste in each content code.

WASTE FORM: Provides more detailed information on the waste contents, how the waste is processed, and/or specific information about the chemistry of constituents.

WASTE PACKAGING: Describes, in detail, techniques necessary for waste packaging in a given content code. This includes a description of the waste confinement layers (the number of layers of confinement used in packaging waste; the mechanism for bag, can, or container closure; the size and shape of any inner containers); an estimate of the void volume within each confinement layer; the number and type of filters (if present) in each confinement layer; and the number of inner containers (if present) per RH-TRU waste canister.

METHODS FOR ISOTOPIC DETERMINATION: Describes the types of radioactive measurement techniques or other methods used to obtain fissile material content and decay heat values for a particular content code.

RESIDUAL LIQUIDS: Describes the procedures used to ensure that the limit imposed on residual liquids (<1% by volume) is met for each content code.

EXPLOSIVES/COMPRESSED GASES: Identifies the methods used to preclude the presence of explosives or compressed gases.

PYROPHORICS: Describes the controls in place to ensure that pyrophoric materials in the waste are not present in quantities greater than 1 percent by weight.

CORROSIVES: Describes the controls in place to ensure that corrosive materials in the waste either are not present or are neutralized or immobilized prior to placement in a container.

CHEMICAL COMPATIBILITY: Describes the controls in place to ensure chemical compatibility for the waste contents and the RH-TRU 72-B packaging. All chemicals/materials in the waste in quantities greater than 1 percent by weight for a specific content code are restricted to the list of allowable chemicals/materials (Table 4.3-1). The total quantity of trace chemicals/materials in the payload container is limited to 5 percent as specified in Section 4.3.

CHEMICAL LIST: Lists the chemicals/materials that may be present in the content code in quantities greater than 1 percent (weight) (used in the chemical compatibility evaluation) and less than or equal to 1 percent (weight) and, additionally, identifies the predominant chemicals/materials or relevant quantities (percent weight) of specific materials (used in the G value determination).

G VALUE: Defines the G value (gas generation potential) for the content code based on the chemicals/materials present in the waste.

ADDITIONAL CRITERIA: Provides details on how the waste qualifies for shipment by meeting additional transport requirements (e.g., venting containers).

MAXIMUM ALLOWABLE FLAMMABLE GAS GENERATION RATES: Specifies the flammable gas generation rate (FGGR) limits for the content code. The FGGR limits are calculated using information from the Waste Packaging parameter above.

MAXIMUM ALLOWABLE DECAY HEAT LIMITS: Specifies the decay heat limits for the content code. The decay heat limits are calculated using information from the Waste Form, Waste

Packaging, Methods for Isotopic Determination, and G Value parameters above. Decay heat limits based on dose-dependent G values are also specified, as applicable.

1.5.2 Use and Approval

All containers must have a content code approved by the Waste Isolation Pilot Plant (WIPP) RH-TRU Payload Engineer to be eligible for shipment. Any site requiring the transportation of RH-TRU waste in the RH-TRU 72-B that is not described in an approved content code must request the revision or addition of a content code by submitting a request in writing to the WIPP RH-TRU Payload Engineer. If CCP requires a revision or addition of a content code, CCP follows the instructions in this section to notify the WIPP RH-TRU Payload Engineer of the request. The container will not be shipped until an approved content code is obtained.

The WIPP RH-TRU Payload Engineer has the authority to approve a content code request only if compliance with the transportation requirements of the RH-TRAMPAC can be demonstrated. Any submittal not meeting the requirements of the RH-TRAMPAC shall not be approved for inclusion in the RH-TRUCON document or be used as the basis for a shipment in the RH-TRU 72-B. The WIPP RH-TRU Payload Engineer does not have the authority to change the transportation requirements for the RH-TRU 72-B as specified in the RH-TRAMPAC without approval from the NRC.

The process for requesting a content code addition or revision is as follows:

1. The site prepares in writing a request containing sufficient information to satisfy all of the necessary elements identified in Section 1.5.1. If the request is for a content code revision, only the revised elements require preparation and documentation. The site shall ensure that the information submitted in the form of a content code addition or revision accurately describes the waste and waste generating processes based on site knowledge.

2. The site submits the request (e.g., draft content code or revised content code elements) in writing to the WIPP RH-TRU Payload Engineer for review.

3. Under the direction of the WIPP RH-TRU Payload Engineer, the submittal shall be reviewed for completeness and satisfactory demonstration of compliance with all

transportation requirements of the RH-TRAMPAC. As part of this review, the WIPP RH-TRU Payload Engineer responsibilities may include a review to ensure that the information required for each of the previously identified elements (Section 1.5.1) is complete, compliance with the list of allowable chemicals/materials pursuant to Section 4.3 is evaluated, and confinement layer release rates and G values are appropriately applied in the calculation of flammable gas generation limits pursuant to the methodology referenced in Section 5.1. The WIPP RH-TRU Payload Engineer shall not approve any submittal that does not demonstrate compliance with every transportation requirement for the RH-TRU 72-B.

4. Upon completion of the review, the WIPP RH-TRU Payload Engineer shall send formal written notification to the site indicating the status of the request. If the request is denied, the WIPP RH-TRU Payload Engineer shall indicate in the notification the reason why the request was not accepted and shall identify which elements of the submittal are incomplete or out of compliance.

5. If the request is approved, a site may begin using the new or revised content code once official notification is received from the WIPP RH-TRU Payload Engineer. Sites may not use proposed content code additions or revisions to make shipments in the RH-TRU 72-B prior to receipt of written notification from the WIPP RH-TRU Payload Engineer.

The WIPP RH-TRU Payload Engineer shall record all approved content code additions or revisions in the RH-TRUCON document. The current revision of the RH-TRUCON document shall be available to sites.

1.6 Compliance Program

1.6.1 CCP Transportation Certification Official (TCO)

The CCP TCO is responsible for administratively verifying the compliance of each payload container and loaded RH-TRU 72-B package with all transportation requirements. The CCP TCO shall approve by signature on the Payload Transportation Certification Document (PTCD) each payload for transport.

The CCP TCO ensures that documents are accurately prepared and certifies that the payload containers and assemblies comply with the transportation requirements of the RH-TRAMPAC and meet an approved RH-TRUCON code. The CCP TCO ensures that

transportation requirements are met prior to release of the RH-TRU 72-B package to a carrier for transport. The CCP TCO is responsible for the following specific program activities:

- Preparing and approving, by signature, the PTCD. The CCP TCO uses the shipping module of the WIPP Waste Information System/Waste Data System (WWIS/WDS) to generate the PTCD. The CCP TCO uses CCP-TP-507 to generate and complete the PTCD.

- Stopping transportation certification activities if deficiencies affecting the quality of certification processes or work products exist.

- Reviewing the applicable CCP transportation plans and procedures.

- Interfacing with the CCP Site Project Manager, Waste Certification Official (WCO), and CCP QA on matters associated with TRU waste certification.

- Reviewing and maintaining this CCP RH-TRAMPAC.

- Ensuring that data used in completion of the transportation documents is accurate and demonstrates that the waste is acceptable for transport.

- Assisting the CCP QA with preparation of responses to deficiency reports in transportation matters; and

- Ensuring that transportation data entered into the WWIS/WDS is accurate and demonstrates that the waste is acceptable for transport.

1.6.2 U.S. Department of Energy-Carlsbad Field Office

The DOE-CBFO is responsible for the performance of compliance verification audits, which are conducted at each site prior to the first shipment and periodically thereafter to evaluate RH-TRU 72-B payload compliance. Audit activities include document review and interview of CCP operators on a job-function basis relative to meeting the applicable criteria. Where specific technical ability is required (e.g., chemical compatibility and isotopic inventory), technical experts are included on the audit team. DOE-CBFO will grant or deny waste transportation authorization based on objective evidence of the audit and the recommendation of the audit team's report. Compliance verification audits are not required at sites

using personnel from a qualified and audited program. Compliance verification audits are not required at sites that document compliance by preparing waste-specific data package TRAMPACs that are reviewed and approved by the DOE-CBFO.

1.7 Quality Assurance (QA)

The QA requirements applicable to the use of the RH-TRU 72-B packaging are defined by Title 10, *Code of Federal Regulations* (CFR), Part 71, *Packaging and Transportation of Radioactive Material* (10 CFR 71), Subpart H . The use and maintenance of the RH-TRU 72-B by the user are conducted under a QA Program approved by the appropriate DOE field office. The compliance of a payload to be transported in the RH-TRU 72-B is determined by the user under a QA Program approved by the DOE-CBFO, and all waste characterization, certification and transportation activities are performed within the bounds of the program.

The CCP implements the QA Plan found in Section 5.0 of CCP-PO-002 for TRU waste transportation and packaging. CBFO approves the QA Plan before TRU waste is packaged and transported to the WIPP.

The use, operation, and maintenance of the RH-TRU 72-B packaging is conducted by the CCP under DOE/WIPP 02-3283, *RH Packaging Program Guidance,* DOE/WIPP 02-3284, *RH Packaging Operations Manual,* and DOE/WIPP 02-3285, *RH Packaging Maintenance Manual*. Compliance of a payload to be transported in the RH-TRU 72-B packaging is determined by the implementation of the QA Plan and in accordance with CCP-TP-530 and CCP-TP-507.

2.0 CONTAINER AND PHYSICAL PROPERTIES REQUIREMENTS

2.1 Authorized Payload Container

2.1.1 Requirements

The only authorized payload container for the RH-TRU 72-B is the RH-TRU waste canister. The terms “payload container” and “RH-TRU waste canister” are interchangeable. The RH-TRU waste canister transported within the RH-TRU 72-B shall comply with the specifications in Section 2.8.

2.1.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Visual inspection to the specifications of Section 2.8
- Administrative and procurement controls demonstrating that the canister has been procured to the specifications of Section 2.8.

In addition to meeting the specifications of Section 2.8 at the time of procurement, the integrity of the RH-TRU waste canister is visually inspected prior to transport to ensure that the payload container is in good and unimpaired condition (e.g., no significant rusting and is of sound structural integrity). Compliance is documented in accordance with the requirements stated in CCP-TP-507. If the RH-TRU waste canister cannot be verified to meet the requirements, it will not be authorized for shipment.

2.2 Container/Package Weight

2.2.1 Requirements

Each payload container shall comply with the maximum gross weight limits summarized in Table 2.2-1, Canister Maximum Gross Weight Limits.

Table 2.2-1. Canister Maximum Gross Weight Limits

Canister Type	Maximum Gross Weight (Pounds)
Removable Lid	8,000
Fixed Lid	8,000
NS15 Neutron Shielded	3,100
NS30 Neutron Shielded	3,100

Each loaded RH-TRU 72-B package shall comply with the maximum gross weight limit provided in Table 2.2-2, RH-TRU 72-B Maximum Gross Weight Limit.

Table 2.2-2. RH-TRU 72-B Maximum Gross Weight Limit

Assembly	Maximum Gross Weight (Pounds)
Loaded RH-TRU 72-B	45,000

Actual payload assembly weights are limited by “as-built” RH-TRU 72-B weight and U.S. Department of Transportation requirements for loaded transport vehicle.

Payload containers shall be acceptable for transport only if the weight plus the error is less than or equal to the maximum gross weights specified in Table 2.2-1 and Table 2.2-2.

2.2.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Measurement.
- Review of records and database information, which may include knowledge of process.

The weight of loaded RH-TRU waste canisters is determined by weighing the loaded canister or its contents prior to loading and/or from the weight of the empty canister and from records and database information for its contents. The contents/components of the RH-TRU waste canister are weighed in accordance with CCP-TP-505, *CCP Remote-Handled Canister Loading*, or DOE/WIPP02-3284. The weight of a loaded RH-TRU 72-B is determined from the canister weight and the assigned tare weight of the applicable RH-TRU 72-B.

Scales used to determine the weights of payload contents/components are calibrated and maintained in accordance with National Institute of Science and Technology (NIST) Handbook 44 in accordance with CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*, the error is known, and a record of the calibration is maintained. The weight and the associated error of each RH-TRU waste canister are recorded in the PTCD (see Section 6.2). The CCP WCO enters the weight information into the WWIS/WDS in accordance with CCP-TP-530.

The CCP TCO reviews this information and verifies compliance with the weight restrictions by signing the PTCD. The WWIS/WDS performs edit/limit checks that further ensure that the reported weight plus uncertainty does not exceed applicable limits.

2.3 Container Marking

2.3.1 Requirements

Each payload container shall be labeled with a unique container identification number.

2.3.2 Methods of Compliance and Verification

Compliance shall be by one, or a combination of, the following methods:

- Visual inspection of each payload container
- Administrative and procurement controls.

The unique container identification number/label shall be recorded in the PTCD (see Section 6.2).

The CCP TCO performs the following activities in accordance with CCP-TP-507. Each payload container is inspected to ensure that a unique container identification label is affixed to the RH-TRU waste canister. For each payload container, the CCP TCO verifies that the container number listed in the PTCD matches the container number listed on the label.

2.4 Filter Vents

2.4.1 Requirements

The RH-TRU waste canister and any inner containers shall be vented. The RH-TRU waste canister shall have one or more filter

vents or equivalent venting mechanisms to meet the minimum specifications of Table 2.4-1, Minimum Filter Vent Specifications, and this section. Any equivalent venting mechanisms shall meet the minimum total hydrogen diffusivity per container specified in Table 2.4-1. The release rates of hydrogen for any inner containers and other inner confinement layers shall be accounted for as described in Appendix 2.5, Compliance Methodology for Gas Generation Requirements, of the *RH-TRU Payload Appendices*.

Table 2.4-1. Minimum Filter Vent Specifications

Container Type	Minimum Filter Vent Specifications		
	Total Flow Rate (ml/min of air, STP, at 1 inch of water)[1]	Efficiency (percent)	Total Hydrogen Diffusivity (m/s/mf at 25°C)[2,3]
Fixed Lid Canister (high diffusivity)	70	>99.5	9.34E-5
Fixed Lid Canister	70	>99.5	1.48E-5
Removable Lid Canister[4]	70	>99.5	1.48E-5
NS15 Neutron Shielded Canister	70	>99.5	1.48E-5
NS30 Neutron Shielded Canister	70	>99.5	1.48E-5

[1]Filters tested at a different pressure gradient shall have a proportional flow rate (e.g., 35 ml/min at 1 inch of water = 1 L/min at 1 psi).
[2]Total hydrogen diffusivity may be achieved through the use of multiple filter vents.
[3]Filters exceeding these specifications may be used to decrease the resistance to hydrogen release in accordance with the logic outlined in Appendix 2.5 of the *RH-TRU Payload Appendices*.
[4]Removable lid canisters with loosely placed lids, no gasket, and without filters shall demonstrate that the hydrogen diffusivity as a result of leakage is greater than or equal to 1.48E-5 m/s/mf at 25°C.

ml/min = Milliliter(s) per minute
m/s/mf = Moles per second per mole fraction
STP = Standard temperature and pressure
L/min = Liter(s) per minute
psi = Pounds per square inch
°C = Degrees Celsius

Filter vents for the RH-TRU waste canister shall be legibly marked to ensure both (1) identification of the supplier and (2) date of manufacture, lot number, or unique serial number.

The filter vent housing and element for the RH-TRU waste canister shall have an operating temperature range from -40 °C to +70°C (-40 degrees Fahrenheit [°F] to +158°F). The filter vent threads shall be compatible with the bung in the container or shall be self-tapping.

2.4.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Administrative and procurement controls demonstrating that filter vents have been procured to the specifications of Section 2.4.1.
- Visual inspection to the specifications of Section 2.4.1.
- Measurement by sampling of filter characteristics to the specifications of Section 2.4.1.

If measurement by sampling is selected as the compliance method, the test methods used to determine the compliance of filter vents or equivalent venting mechanisms with the minimum performance-based requirements specified in Table 2.4-1 and this section are directed by procedures under a QA Program.

CCP only uses filters on RH-TRU waste containers that have been approved by DOE-CBFO. All filters used comply with the specification described in Table 2.4-1 and are procured in accordance with CCP-QP-015.

CCP personnel perform the following activites in accordance with CCP-TP-507 and CCP-QP-005. CCP personnel visually verify that the filter vent, if present, has been installed properly. If a filter vent is not installed, an acceptable filter vent is procured and installed. The visual inspection also identifies the filter manufacturer and the model number. The CCP TCO verifies properly installed filters and compares filter number to the requirements of Table 2.4-1. In the event of a payload container that does not meet filter requirements, the container is segregated and a Nonconformance Report is generated. The container will not be shipped until the approved filter(s) are installed.

2.5 Residual Liquids

2.5.1 Requirements

Liquid waste is prohibited in the payload container except for residual amounts in well-drained containers. The total volume of residual liquid in the payload container shall be less than 1 percent (volume) of the payload container.

2.5.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Review of records and database information, which may include knowledge of process
- Radiography
- VE
- Sampling program

CCP personnel ensure that TRU waste is not in free-liquid form and that minor residual liquids remaining in well-drained, internal containers (e.g., bottles, cans) do not exceed 1 percent (volume).

CCP personnel develop AK in accordance with CCP-TP-005. CCP personnel perform the following RTR and VE activities in accordance with CCP RTR and VE procedures. AK may be used to determine container contents by reviewing records and database information. AK may be confirmed through radiography and/or visual examination (VE) or verified by VE at the time of packaging. CCP personnel record the location of any liquid detected in a waste container. CCP radiography and/or VE personnel reject payload containers found to have greater than 1 percent (volume) liquid and segregate them. If necessary, CCP personnel repackage noncompliant waste containers in accordance with VE procedures.

2.6 Sharp or Heavy Objects

2.6.1 Requirements

Sharp or heavy objects in the waste shall be blocked, braced, or suitably packaged as necessary to provide puncture protection for the payload container packaging these objects.

2.6.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Review of records and database information, which may include knowledge of process
- Radiography
- VE
- Sampling Program

CCP personnel develop AK in accordance with CCP-TP-005. CCP personnel perform the following RTR and VE activities in accordance with CCP RTR and VE activities in accordance with CCP RTR and VE procedures. AK may be used to determine container contents by reviewing records and database information. AK may be confirmed by radiography and/or VE or verified by VE at the time of packaging. As appropriate, any sharp or heavy objects identified in payload containers are either removed or repackaged in a manner to preclude puncture of the payload container.

2.7 Sealed Containers

2.7.1 Requirements

Sealed containers that are greater than 4 liters (nominal) are prohibited except for metal containers packaging solid inorganic waste. Solid inorganic waste packaged in metal containers does not generate any flammable gas (see Appendix 2.2, G Values for RH-TRU Waste, of the *RH-TRU Payload Appendices*).

2.7.2 Methods of Compliance and Verification

Compliance shall be by one, or a combination of, the following methods:

- Review of records and database information, which may include knowledge of process
- Radiography
- VE
- Sampling program

CCP personnel develop AK in accordance with CCP-TP-005. CCP personnel perform the following RTR and VE activities in accordance with CCP RTR and VE procedures. AK may be used to determine container contents by reviewing records and database information. AK may be confirmed by radiography and/or VE or verified by VE at the time of packaging. Radiography and/or VE may be used to determine compliance if records and database information is indeterminate or indicates the possible presence of sealed containers greater than 4 liters in volume. Any sealed containers greater than 4 liters in volume identified in payload container contents are either removed or remediated prior to certification and shipment of the payload container. CCP verifies the absence of the prohibited items in accordance with CCP RTR and VE procedures.

2.8 Specification for RH-TRU Waste Canisters

2.8.1 RH-TRU Waste Canister

The RH-TRU waste canister is authorized for transport within the RH-TRU 72-B (Figure 2.8-1, RH-TRU Waste Canister). The RH-TRU 72-B will accommodate one canister. The canister may have a fixed lid or a removable lid, each with an optional through-pintle fill port and plug. Drawings for the fixed and removable lid RH-TRU waste canisters, Drawing Numbers X-106-501-SNP and X-106-502-SNP, respectively, are presented in Appendix 1.3.1, General Arrangement Drawings, of the RH-TRU 72-B Safety Analysis Report (SAR). The approximate dimensions of the RH-TRU waste canisters are given in Table 2.8-1, Canister Dimensions.

Table 2.8-1. Canister Dimensions

Dimension	Approximate Measurements (inches)
Overall Height	120.5
Outside Diameter	26
Nominal Wall Thickness	0.25

Table 2.8-2, Canister Materials of Construction, presents the RH-TRU waste canister construction materials. Table 2.8-3, Canister Weights, specifies the weights associated with the RH-TRU waste canisters that are applicable to shipment within the RH-TRU 72-B. Canisters must be vented or filtered to meet the specifications of Section 2.4.

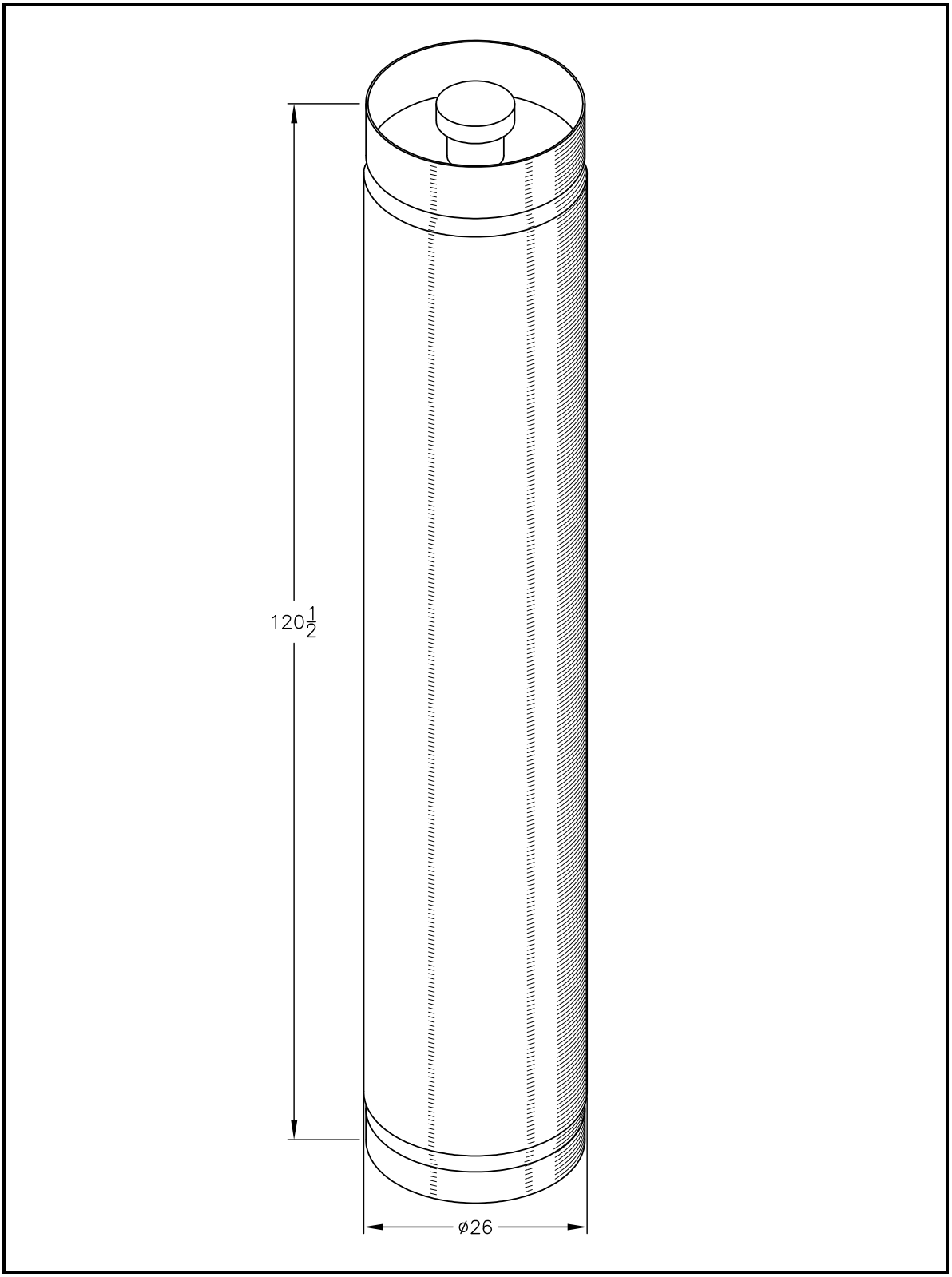
Table 2.8-2. Canister Materials of Construction

Canister Component	Material
Body, lid, and pintle	Carbon Steel or Stainless Steel
Gasket (optional)	Butyl rubber, Neoprene rubber, Ethylene Propylene, Silicon, or equivalent

Table 2.8-3. Canister Weights

Canister Type	Weight (pounds)	
	Approximate Empty	Maximum Gross
Removable Lid	1,100	8,000
Fixed Lid	1,762	8,000

Figure 2.8-1. RH-TRU Waste Canister



RH-TRU waste may be directly loaded into the canister or packaged within waste containers (e.g., three 30-gallon drums or three 55-gallon drums) in the canister. If the canister contains fewer than three 30- or 55-gallon drums, dunnage must be used inside the canister to position the drums. Table 2.8-4, RH-TRU Waste Canister: Material Content Forms Authorized for Transport, identifies material content forms authorized for transport within the canister.

Table 2.8-4. RH-TRU Waste Canister: Material Content Forms Authorized for Transport

Waste Material	Waste Material Description
1	Direct Load: Solids, any particle size (e.g., fine powder or inorganic particulates)
2	Direct Load: Solids, large particle size (e.g., sand, concrete, or debris)
3	Direct Load: Solids, large objects (e.g., metal cans containing waste)
4	Direct Load: Large, bulky dense objects with sharp and obtrusive members or components with dispersible Form 1 and 2 (e.g., steel plate, electric motors, steel pipe, or concrete blocks)[1]

[1]Blocked, braced, or suitably packaged as necessary to provide puncture protection for the RH-TRU waste canister.

2.8.2 Neutron Shielded Canister

The neutron shielded canister is a shielded version of the removable lid canister described in Section 2.8.1. The NS15 or NS30 neutron shielded canister consists of up to three approximately 15-gallon steel containers or up to three approximately 30-gallon steel containers, respectively, positioned within a removable lid canister containing a high-density polyethylene (HDPE) shield insert (body pipe and end caps) and an optional plywood spacer (Figure 2.8-2, NS15 Neutron Shielded Canister, and Figure 2.8-3, NS30 Neutron Shielded Canister). Appendix 5.1, *Description of Neutron Shielded Canister, of the RH--TRU Payload* Appendices provides a detailed description of these payload containers. The drawing for the NS15 and NS30 neutron shielded canisters, Drawing No. X-106-503-SNP, is presented in Appendix 1.3.1, *General Arrangement Drawings,* of the RH-TRU 72-B SAR. The RH-TRU 72-B will accommodate one neutron shielded canister. The nominal dimensions of the neutron shielded canister shield inserts are given in Table 2.8-5, Neutron Shielded Canister Shield Insert Dimensions.

Table 2.8-5. Neutron Shielded Canister Shield Insert Dimensions

Dimension	Approximate Measurements (inches)
Overall height (body pipe & end caps)	112
Outside diameter (body pipe & end caps)	24
Nominal wall thickness (NS15 body pipe)	3.387
Nominal wall thickness (NS30 body pipe)	1.454
Nominal thickness (NS15 & NS30 end caps)	5

Table 2.8-6, Neutron Shielded Canister Shield Insert Materials of Construction, presents the neutron shielded canister shield insert construction materials. Table 2.8-7, Neutron Shielded Canister Weights, specifies the weights associated with the canisters that are applicable to shipment within the RH-TRU 72-B. Canisters must be vented or filtered to meet the specifications of Section 2.4.

Table 2.8-6. Neutron Shielded Canister Shield Insert Materials of Construction

Shield Insert Component	Material
Body pipe	HDPE
End caps	HDPE
Gasket	Open-cell urethane foam
Gasket ring	Steel
Self-tapping screws	Steel

Figure 2.8-2. NS15 Neutron Shielded Canister

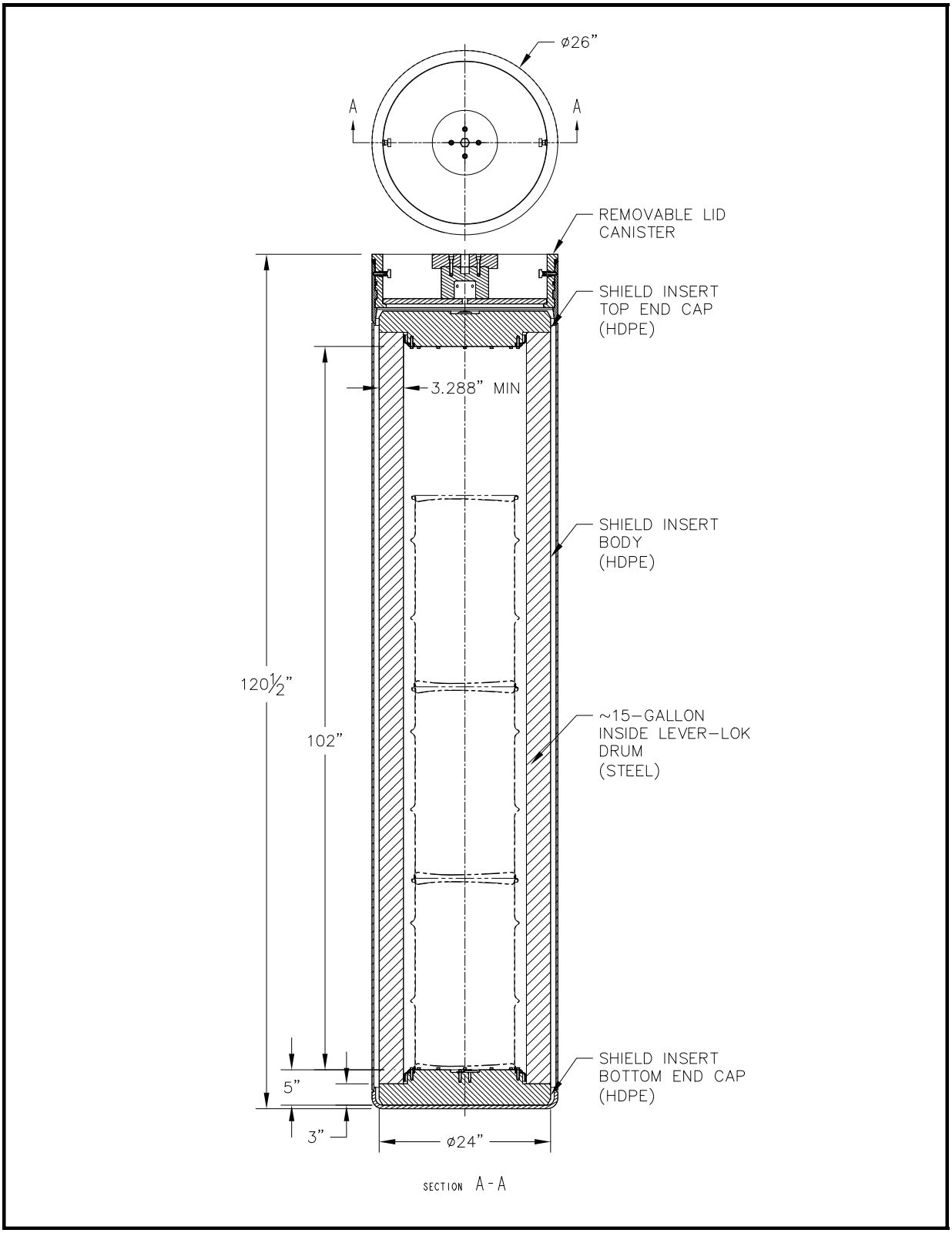


Figure 2.8-3. NS30 Neutron Shielded Canister

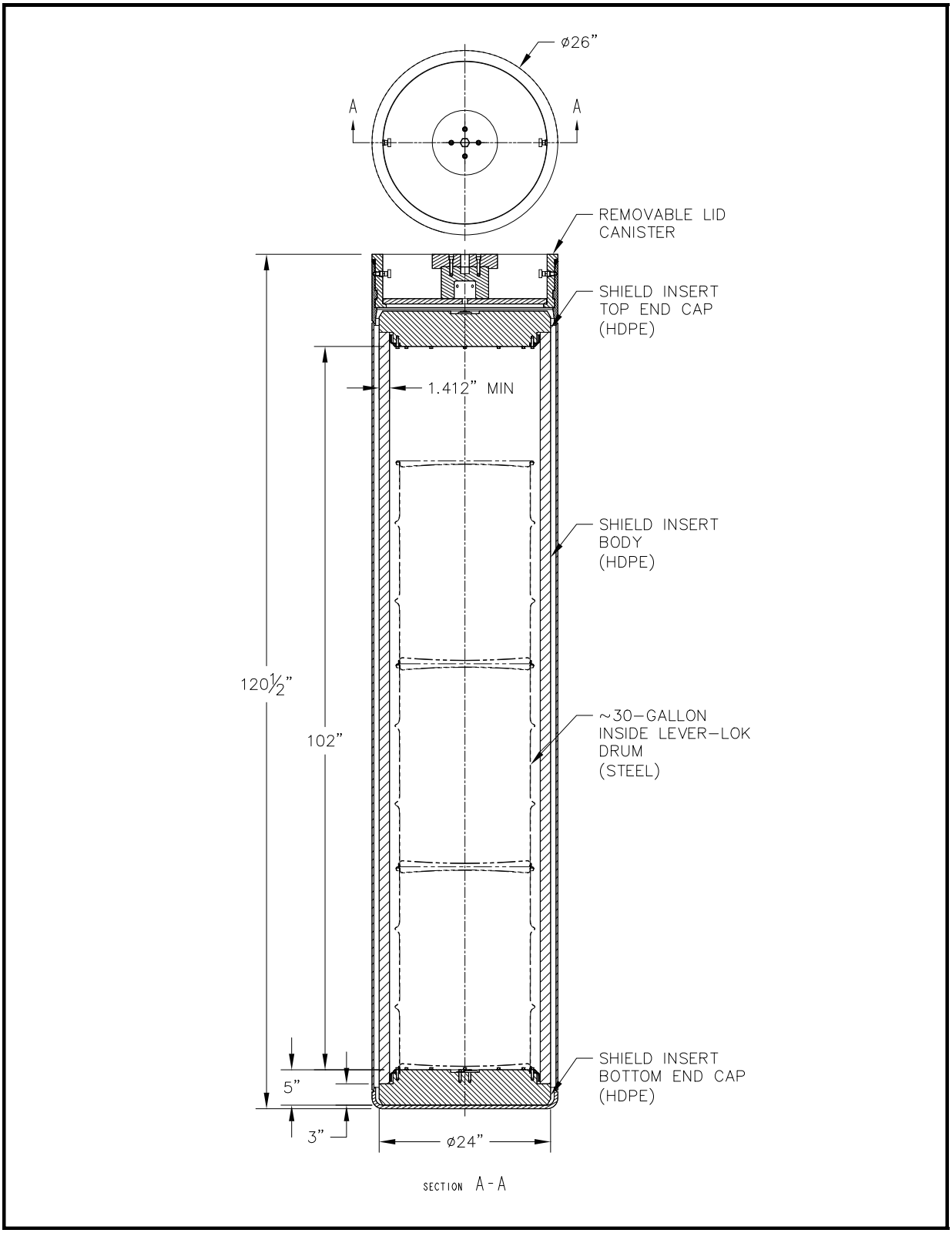


Table 2.8-7. Neutron Shielded Canister Weights

Canister Type	Weight (pounds)	
	Approximate Empty	Maximum Gross
NS15 neutron shielded canister	2,070	3,100
NS30 neutron shielded canister	1,660	3,100

RH-TRU waste must be loaded into up to three vented approximately 15- or 30-gallon drums with inside lever locks, which are then loaded into the NS15 or NS30 neutron shielded canister, respectively. If the NS15 or NS30 neutron shielded canister contains fewer than three approximately 15- or 30-gallon drums, dunnage must be used inside the canister to position the drums. Table 2.8-8, Neutron Shielded Canister: Material Content Forms Authorized for Transport, identifies material content forms authorized for transport within the neutron shielded canister.

Table 2.8-8. Neutron Shielded Canister: Material Content Forms Authorized for Transport

Waste Material	Waste Material Description
1	Solids, any particle size (e.g., fine powder or inorganic particulates) packaged in approximately 15- or 30-gallon drums.
2	Solids, large particle size (e.g., sand, concrete, or debris) packaged in approximately 15- or 30-gallon drums.
3	Solids, large objects (e.g., metal cans containing waste) packaged in approximately 15- or 30-gallon drums.

3.0 NUCLEAR PROPERTIES REQUIREMENTS

3.1 Nuclear Criticality

The nuclear properties requirements outlined in this section require knowledge of isotopic composition and quantity of fissile material. Requirements in accordance with 10 CFR §71.55, General Requirements for Fissile Material Packages, and §71.59, Standards for Arrays of Fissile Material Packages, are summarized for the RH-TRU 72-B payload. Detailed discussions of these requirements are provided in Section 6.0 of the RH-TRU 72-B SAR.

3.1.1 Requirements

An RH-TRU waste canister is acceptable for transport only if the fissile content is less than or equal to one of the following plutonium (Pu)-239 fissile gram equivalent (FGE) or uranium (U)-235 fissile equivalent mass (FEM) limits:

Pu-239 Fissile Grams Equivalent Limits for Canisters without Neutron Shielding

No Credit for Pu-240 Poisoning

An RH-TRU waste canister shall be acceptable for transport only if the Pu-239 FGE plus two times the error (i.e., two standard deviations) is less than or equal to the following limits:

- 315 FGE for an RH-TRU waste canister, except for RH-TRU waste canisters containing greater than 1 percent by weight beryllium (Be) or beryllium oxide (BeO) or machine-compacted waste.
- 305 FGE for an RH-TRU waste containing greater than 1 percent by weight Be or BeO that is chemically or mechanically bound to the fissile material.
- 100 FGE for an RH-TRU waste canister containing greater than 1 percent by weight Be or BeO that is not chemically or mechanically bound to the fissile material.
- 245 FGE for an RH-TRU waste canister containing machine-compacted waste.
- RH-TRU waste canisters containing greater than 1 percent by weight Be or BeO and machine-compacted waste are not shippable.

Credit for Pu-240 Poisoning

- For RH-TRU waste canisters without machine-compacted waste containing less than or equal to 1 percent by weight Be or BeO, the limits in Table 3.1-1, Summary of FGE and FEM Limits, apply. The minimum Pu-240 content for the RH-TRU waste canister shall be determined after the subtraction of two times the error.

Pu-239 Fissile Grams Equivalent Limits for Canisters with Neutron Shielding

No Credit for Pu-240 Poisoning

A neutron shielded canister shall be acceptable for transport only if the Pu-239 FGE plus two times the error (i.e., two standard deviations) is less than or equal to the following limits:

- 245 FGE for a neutron shielded canister, except for neutron shielded canisters containing greater than 1% by weight Be or BeO.

- Neutron shielded canisters containing greater than 1% by weight Be or BeO that is chemically or mechanically bound to the fissile material are not shippable.

- Neutron shielded canisters containing greater than 1% by weight Be or BeO that is not chemically or mechanically bound to the fissile material are not shippable.

- 245 FGE for a neutron shielded canister containing machine-compacted waste.

- Neutron shielded canisters containing greater than 1% by weight Be or BeO and machine-compacted waste are not shippable.

Credit for Pu-240 Poisoning

- Not applicable for neutron shielded canisters.

U-235 FEM Mass Limit for Canisters without Neutron Shielding

- An RH-TRU waste canister shall be acceptable for transport if the RH-TRU waste canister contains material that is not machine compacted, is primarily uranium (in terms of the heavy metal component), and has the waste matrix material distributed within the RH-TRU waste canister in such a manner that the maximum enrichment of fissile radionuclides does not exceed 0.96 percent

U-235 FEM in any location of the waste material. The U-235 FEM percentage for the RH-TRU waste canister shall be determined after the addition of two times the error (i.e., two standard deviations). In addition, the waste shall be a homogeneous solid/sludge generated from a process that ensures a particle size characteristic dimension of 1 inch or less.

U-235 FEM Mass Limit for Canisters with Neutron Shielding

- Not applicable for neutron shielded canisters.

Table 3.1-1 presents a summary of the FGE and FEM limits for the RH-TRU waste canister without neutron shielding and for the neutron shielded canister.

Table 3.1-1. Summary of FGE and FEM Limits

FGE Limits with No Credit for Pu-240 Poisoning			
Contents		**Fissile Limit per RH-TRU Waste Canister (Pu-239 FGE)**	**Fissile Limit per Neutron Shielded Canister (Pu-239 FGE)**
Not machine compacted with ≤ 1% by weight Be/BeO		315	245
Not machine compacted with > 1% by weight Be/BeO (chemically or mechanically bound)		305	Unauthorized
Not machine compacted with > 1% by weight Be/BeO (not chemically or mechanically bound)		100	Unauthorized
Machine compacted with ≤ 1% by weight Be/BeO		245	245
Machine compacted with > 1% by weight Be/BeO		Unauthorized	Unauthorized
FGE Limits with Credit for Pu-240 Poisoning			
Contents	**Minimum Pu-240 Content in RH-TRU Waste Canister (grams)**	**Fissile Limit per RH-TRU Waste Canister (Pu-239 FGE)**	**Fissile Limit per Neutron Shielded Canister (Pu-239 FGE)**
Not machine compacted with ≤ 1% by weight Be/BeO	5	325	N/A
	15	350	N/A
	25	370	N/A
FEM Limit			
Contents		**Fissile Limit per RH-TRU Waste Canister (weight % U-235 FEM)**	**Fissile Limit per Neutron Shielded Canister (Weight % U-235 FEM)**
Not machine compacted homogenous solid/sludge with a particle size characteristic dimension of one inch or less that is primarily uranium (in terms of the heavy metal component) with waste matrix distributed to not exceed enrichment limit.		0.96	N/A

3.1.2 Methods of Compliance and Verification

Compliance with the Pu-239 FGE or U-235 FEM limits, as applicable, involves the following steps:

- Determination of the isotopic composition.
- Determination of the quantity of radionuclides.
- Calculation of Pu-239 FGE or U-235 FEM, as applicable, and compliance evaluation.

Each of these steps is discussed in detail below.

Isotopic Composition

The isotopic composition of the waste may be determined from direct measurements taken on the product material during the processing or post-process certification at each site, analysis of the waste, or from existing records. The isotopic composition of the waste need not be determined by direct analysis or measurement of the waste unless process information is not available.

RH-TRU wastes from DOE sites can be divided into the following categories:

- Solid and solidified wastes from the examination of special reactor fuels, research and development activities, decontamination and cleanup, and other hot cell operations.
- Contaminated metals.
- Sludges processed into a solidified waste form from inorganic liquid wastes, originating from water treatment facilities, research and development activities, and decontamination operations.

These wastes can be referenced to processes requiring the knowledge of the radioisotopic composition and quantity for material accountability and tracking in support of the criticality hazard controls at each site.

Facilities that examine special reactor fuels have the most detailed and traceable data regarding the isotopic composition of the waste. Incoming radioactive materials originally generated by nuclear reactors have a well-known and documented history. The initial isotopic composition of the fuel, neutron flux, irradiation time, and cool-down time are measured and documented. From this information, the fissile material and the generation of fission and activation products can be calculated.

Mechanical subdivision of the reactor fuels for purposes of examination is required. The distribution of the isotopic inventories due to subdividing is measured and/or calculated. Generated waste items and their subdivided parts are identified and tracked by administrative systems at the sites. Items placed in the waste stream are documented with sufficient detail to permit an assignment of isotopic content. Items, such as cell equipment or decontamination materials that have been contaminated, are

documented and the isotopic composition of the contamination is determined by referencing materials handled in the cell.

The isotopic composition of the irradiated fuel is calculated based on the data mentioned above, or the isotopic composition of the irradiated fuel may be confirmed by radiochemical analysis. The isotopic composition of the resulting RH-TRU waste from the examination procedures shall be determined by referencing the irradiated fuel analysis.

In most cases, facilities generating RH-TRU wastes, other than from the examination of reactor fuels, are cognizant of the isotopes present. RH-TRU wastes generated as a result of research programs utilize specific isotopes, or isotopic mixtures, and require detailed information on the isotopic composition.

For process areas handling product materials that cannot be assigned an isotopic composition by process information, the isotopic composition of the waste is determined by direct measurement or analysis of the waste materials.

CCP may determine isotopic composition on a waste stream basis through AK information. Isotopic composition may also be determined by direct measurement (e.g., sampling/analysis) or a combination of AK information and direct measurement if AK information by itself is not available to adequately determine isotopic composition. Isotopic composition is documented by waste stream.

Quantity of Radionuclides

The quantity of the radionuclides in each RH-TRU waste canister is estimated by either a direct measurement or records of the individual RH-TRU waste canister, a summation of assay results from individual packages in an RH-TRU waste canister, or a direct measurement on a representative sample of a waste stream (such as solidified inorganics). From the quantity of estimated radionuclides, the remaining quantity of associated radionuclides present in the waste can be calculated.

Examples for some acceptable methods for quantifying radionuclides in RH-TRU waste include:

- Passive-Active Neutron Assay
- Radiochemical Assay

- Material Accountability and Tracking System
- Gamma Dose Measurements
- Waste Management Database Information

CCP uses the radionuclide measurement methods identified in CCP-PO-002 to quantify the radionuclides present in a payload container. These methods are implemented in compliance with the following general requirements as applicable:

- The method(s) selected for use is/are approved by the DOE-CBFO under this programmatic TRAMPAC or a waste-specific data package TRAMPAC (see Section 1.4) and the prescribed controls are implemented.
- The applicable RH-TRUCON code descriptions list the specific method(s) and its/their application(s).
- Site-/equipment-specific operating and QA procedures describe the method(s) and the controls imposed on these methods. The controls include performing calibration and background measurements, if applicable. The calibration and background measurements fall within the stated acceptable ranges, as applicable, before methods are implemented. If the accountability method or database information is used, the controls on incoming materials, calculations performed, and records are described.
- Site-/equipment-specific QA plans and procedures shall include oversight of assay and/or accountability methods and controls for determination of radionuclide quantity.
- Applicable training programs for methods involving fissile content and decay heat determination.

<u>Calculation of the Pu-239 FGE or U-235 FEM and Compliance Evaluation</u>

The American National Standards Institute/American Nuclear Society (ANSI/ANS)-8.1, *Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors,* establishes U-233, U-235, and Pu-239 subcritical mass limits for aqueous mixtures that might not be uniform and are independent of compound. Subcritical mass limits for other actinide isotopes are given in ANSI/ANS-8.15, *Nuclear Criticality Control of Special Actinide Elements*. The bases for these limits are similar, and the same

mass limit for Pu-239 is given in both standards. The ratio of these mass limits provides the basis for the Pu-239 FGE conversion factors given in Table 5.1-1, Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides.

ANSI/ANS-8.1 establishes U-235 enrichment limits for uranium mixed homogeneously with water, with no limitations on mass or concentration. For uranium oxide, the limit given is 0.96 U-235 weight percent (wt%). Nitrates are shown to have a higher limit. The uranium oxide case bounds the low enriched uranium payloads. The ANSI/ANS-8.12, *Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors,* establishes subcritical concentration limits for plutonium-uranium mixtures. A homogeneous mixture of plutonium oxide mixed with natural uranium oxide is shown to have a subcritical concentration limit of 0.13 wt% plutonium of unlimited mass. Since natural uranium is 0.71 wt% U-235, 0.25 wt% U-235 (i.e., 0.96-0.71=0.25 wt% U-235) is equivalent to 0.13 wt% Pu-239. This suggests that for uranium-plutonium compounds (not elemental mixtures), the U-235 FEM of Pu-239 is 1.92. Conservatively, a Pu-239 to U-235 FEM conversion factor of 2.0 is applicable to the low enriched uranium case and provides the basis for the U-235 FEM conversion factors given in Table 5.1-1.

FGE and FEM conversion factors for other fissile or fissionable isotopes, including special actinide elements, shall be obtained using the ANSI/ANS 8.1, 8.12, and 8.15 methods described above, or equivalent method.

FGE

The FGE of the RH-TRU waste canister without neutron shielding and the neutron shielded canister is calculated by summing the product of the quantity (in grams) of each radionuclide and its respective FGE conversion factor provided in Table 5.1-1. The FGE value plus two times the error (i.e., two standard deviations) shall be less than or equal to the applicable limit for the RH-TRU waste canister. If it can be demonstrated that the fissile content of the canister is below 10 percent of the applicable FGE limit, the FGE value shall be reported as less than 10 percent of the limit (e.g., if the applicable limit is 315 FGE, the FGE value may be reported as < 31.5 grams). In this case, no error needs to be assigned. The Pu-239 FGE of the RH-TRU waste canister is recorded on the PTCD (see Section 6.2).

FEM

Note: The U-235 FEM limit is not applicable to the neutron shielded canister.

The FEM of the RH-TRU waste canister shall be calculated by summing the product of the quantity (in grams) of each radionuclide and its respective FEM conversion factor provided in Table 5.1-1. The maximum enrichment of fissile radionuclides at any location within the RH-TRU waste canister shall be determined to be less than or equal to 0.96 percent U-235 FEM. The U-235 FEM percentage for the RH-TRU waste canister shall be determined after the addition of two times the error (i.e., two standard deviations).

The homogeneous solid/sludge waste stream process shall be documented in a programmatic or waste-specific data package TRAMPAC to include sampling and/or process knowledge data that ensure the particle size dimensional requirements are satisfied. The U-235 FEM of the canister shall be recorded on the PTCD (see Section 6.2).

CCP calculates the fissile mass (i.e., Pu-239 FGE or U-235 FEM as applicable) and associated uncertainty and the Pu-240 mass and associated uncertainty of each RH-TRU waste canister from the isotopic composition and quantity of radionuclides for the RH-TRU waste canister waste contents. The presence and quantity of beryllium in waste streams, and as such in canister waste contents, is determined by review of AK information and is documented. AK information or VE (or radiography) or a combination of AK information and VE (or radiography) is used to determine if waste contents in RH-TRU waste canisters are machine compacted.

Applicable information is reported to the WWIS/WDS in accordance with CCP-TP-530. The WWIS/WDS performs edit/limit checks that ensure that the reported FGE plus uncertainty does not exceed applicable FGE restrictions. The CCP TCO reviews and verifies compliance with nuclear criticality limits on the PTCD in accordance with CCP-TP-507.

3.2 Radiation Dose Rates

3.2.1 Requirements

Radiation dose rates for the RH-TRU 72-B shall comply with 10 CFR 71.47(b), *External radiation standards for all packages*. The external radiation dose rates of the RH-TRU 72-B shall be ≤ 200 milliröentgen equivalent man (mrem) per hour at the surface and ≤ 10 mrem per hour at 2 meters from the vertical planes projected by the outer edges of the vehicle under normal conditions of transport (NCT), as specified in Chapter 5.0 of the RH-TRU 72-B SAR. In addition, with respect to any normally occupied space (i.e., the cab of the trailer shipping the RH-TRU 72-B), the radiation dose rate shall be either ≤2 mrem/hour or the personnel who are in such an occupied space shall wear radiation dosimetry devices. Under accident conditions, the external radiation dose rate of the RH-TRU 72-B shall be ≤ 1 röentgen equivalent man (rem) per hour any point 1 meter from the surface of the package.

Additional payload container shielding, beyond that identified in Section 2.8 as an integral component of the payload container, shall not be used to meet the above requirements. However, payload containers that meet the above radiation dose rate requirements without shielding may be shielded to levels that are as low as reasonable achievable.

3.2.2 Methods of Compliance and Verification

[A] Compliance for Normal Conditions of Transport

Compliance with the regulatory radiation dose rate requirements for NCT is ensured by actual package surveys after each payload is loaded and the package (i.e., RH-TRU waste canister, inner vessel, and outer cask) is assembled.

Radiation dose rates shall be obtained through measurement of all external surfaces of the package and at 2 meters from the vertical planes projected by the outer edges of the vehicle. Both gamma and neutron dose rate measurements must be performed using instruments appropriately selected and calibrated for the package contents. Dose rate survey instruments shall be maintained and calibrated at least annually in accordance with national standards (e.g., ANSI-N323A).

Gamma and neutron survey instruments are designed to detect these respective radiations by interaction of these radiations with a carefully selected medium. This medium may be a gas, crystal, or

scintillator. For neutron measurements an additional layer of hydrogenous material (such as HDPE) may also surround the detector to allow thermalization or slowing down of the neutrons for easier detection in the selected medium. The overall design of the instrument allows relatively uniform response with minimal detector orientation effects and little energy dependence (usually less than 10% over the measured gamma energy range). For example, the WIPP site uses the Ludlum Model 17 Ion Chamber for gamma dose rate surveys and the Ludlum Model 2241-4 for neutron dose rates along with the Ludlum Model 78 or Eberline 6112B Teletector for gamma dose rates that are hard to reach on a RH TRU 72-B with a Model 17.

Site practices associated with performance of the dose rate surveys for the RH TRU 72-B are the same as those used to perform radiological surveys for other radioactive U.S. Department of Transportation shipments in accordance with 49 CFR 173 and applicable national standards. For example, ANSI-N323A Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments, provides comprehensive guidance for implementing a portable radiation monitoring instrument calibration program.

Instrument calibrations are performed before first use, following any major maintenance or modifications that could affect calibration, and after any failure of a source response test. Instrument response checks are performed daily.

Site-specific procedures shall govern the measurement of dose rates with the following steps completed by the TCO or designee:

Surface Dose Rate Surveys

[A.1] Ensure that all instruments used to perform the surveys are calibrated, response checked, and in proper working order.

[A.2] Perform gamma and neutron dose rate surveys by scanning all external surfaces of the package (front, back, top, bottom, driver side, and passenger side, as shown in Figure 3.2-1). Surface dose rate surveys shall be performed by slowly moving the probe at a rate compatible with the detector response capability (e.g., 1 to 2 inches per second) over the package surfaces. Record highest individual survey results for each surface on the Dose Rate Survey Form shown in Table 3.2-1, Dose Rate Survey Form. For each surface, sum the two values to determine and record the total dose

rate on Table 3.2-1. Table 3.2-1 may be reformatted for site use provided that equivalent information is recorded.

[A.3] Review the total dose rates recorded in Step [A.2] to determine the highest total dose rate and record on Table 3.2-1.

[A.4] Determine and document compliance with the ≤200 mrem/hr limit at the surface of the package on Table 3.2-1.

Two-Meter Dose Rate Surveys

[A.5] Ensure that all instruments used to perform the surveys are calibrated, response checked, and in proper working order.

[A.6] Perform gamma and neutron dose rate surveys by scanning at 2 meters from the vertical planes projected by the outer edges of the vehicle (front, back, driver side, and passenger side, as shown in Figure 3.2-1, Dose Rate Measurement Locations). Two-meter dose rate surveys shall be performed by slowly moving the probe at a rate compatible with the detector response capability (e.g., 1 to 2 inches per second) over the 2-meter surfaces. Note: For operational convenience, the 2-meter dose rate measurements can be taken at locations closer to the package than the planes shown in Figure 3.2-1. Record highest individual survey results for each 2-meter surface on the Dose Rate Survey Form shown in Table 3.2-1. For each 2-meter surface, sum the two values to determine and record the total dose rate on Table 3.2-1. Table 3.2-1 may be reformatted for site use provided that equivalent information is recorded.

[A.7] Review the total dose rates recorded in Step [A.6] to determine the highest total dose rate and record on Table 3.2-1.

[A.8] Determine and document compliance with the ≤10 mrem/hr limit at 2-meters from the vertical planes projected by the outer edges of the vehicle on Table 3.2-1.

Normally Occupied Space Surveys

Using site-specific procedures either (1) perform gamma and neutron dose rate surveys by scanning the normally occupied space and determine compliance with the ≤2 mrem/hr limit, or (2) ensure that the personnel who are in such an occupied space wear radiation dosimetry devices.

Figure 3.2-1. Dose Rate Measurement Locations

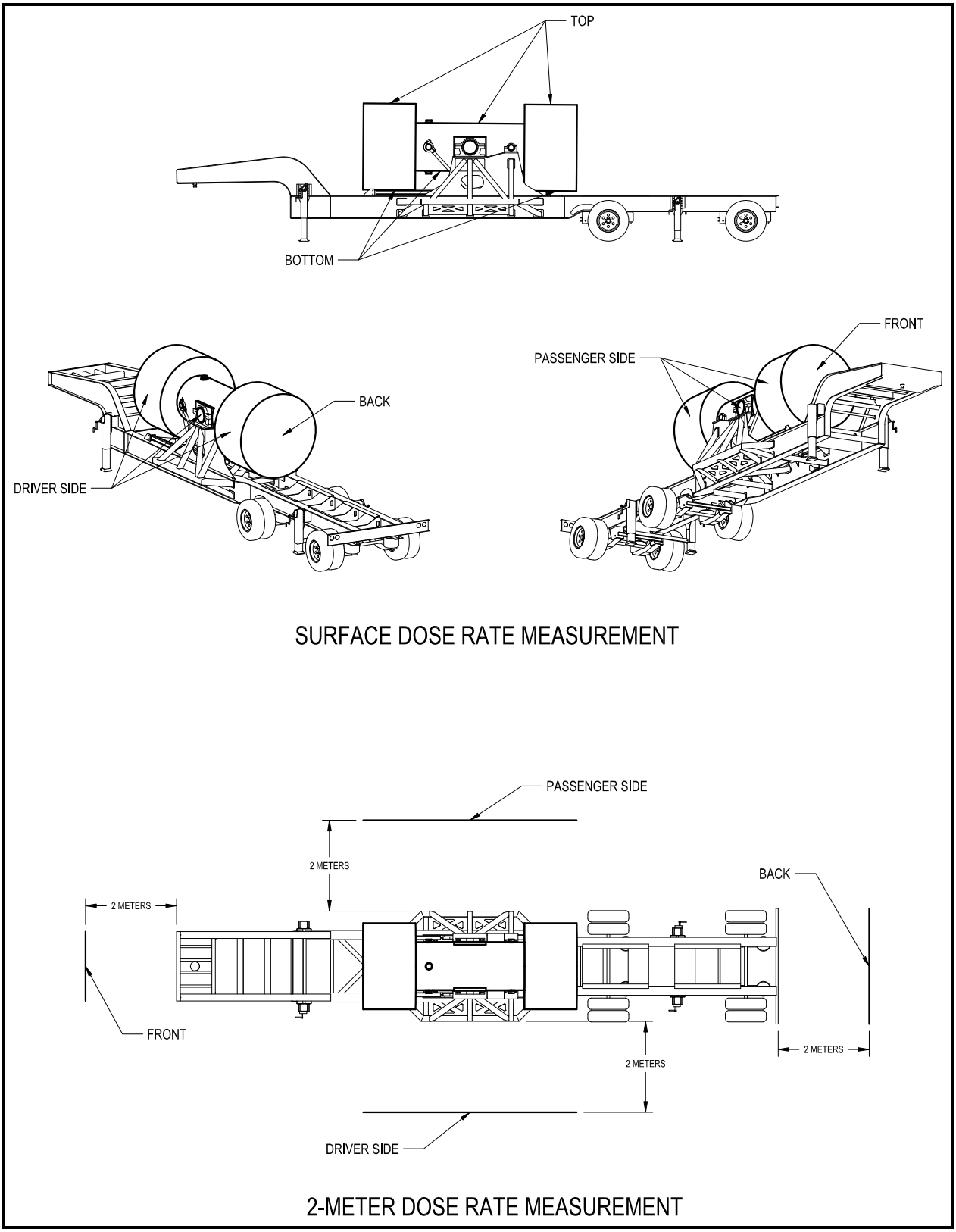


Table 3.2-1. Dose Rate Survey Form

Shipment No. _____ Packaging No. _____

To be completed by Site Transportation Certification Officer, or designee, for each package:

CCP RH-TRAMPAC Section No.	**Activity**					
3.2.2[A.2] and 3.2.2[A.6]	Record highest individual survey results from gamma and neutron dose rate surveys (see Figure 3.2-1). Sum the two recorded values to determine and record the total dose rates.					
Highest Individual Dose Rate Measurement	**Gamma (mrem/hr)**		**Neutron (mrem/hr)**		**Total (mrem/hr)**	
	Surface	**2-Meter (from plane)**	**Surface**	**2-Meter (from plane)**	**Surface**	**2-Meter (from plane)**
Front						
Back						
Driver Side						
Passenger Side						
Top		NA		NA		NA
Bottom		NA		NA		NA

CCP RH-TRAMPAC Section No.	**Activity**	
3.2.2[A.3] and 3.2.2[A.7]	Select the highest total dose rates (from values calculated in Steps 3.2.2[A.2] and 3.2.2[A.6]) and record below.	
3.2.2[A.4] and 3.2.2[A.8]	Determine compliance with the dose rate limits of ≤200 mrem/hr on the external surface of the package and ≤10 mrem/hr at any point 2 meters from the vertical planes projected by the outer edges of the vehicle.	
Highest Total Dose Rate Measurement	**Total (mrem/hr)**	**Limit (mrem/hr)**
Surface		≤200
2-Meter (from plane)		≤10
I certify that the above data meets the dose rate requirements specified in Section 3.2 of the RH-TRAMPAC. _____ / _____ TRANSPORTATION CERTIFICATION OFFICIAL (OR DESIGNEE) DATE		

*This table may be reformatted for site use provided that equivalent information is recorded.

Specifically, a Host site radiological control technician measures dose rates (at surface and 2 meters) of the loaded RH-TRU 72-B package in accordance with site radiological survey procedures and documents the survey information on the loaded shipment survey report. These reports are provided to the CCP TCO. The CCP TCO documents and verifies that the exterior RH-TRU 72-B dose rates are less than or equal to 200 mrem/hr at the surface and less than or equal to 10 mrem/hr at 2 meters. The CCP TCO enters the final dose rate information into the WWIS/WDS shipping module prior to shipment certification (CCP-TP-507). The CCP TCO steps described above are performed in accordance with DOE/WIPP 02-3284 and CCP-TP-507. The WWIS/WDS performs edit/limit checks to ensure that the reported radiation dose rates do not exceed the applicable restrictions.

[B] Compliance for Hypothetical Accident Conditions

Compliance with the hypothetical accident condition (HAC) dose rate requirements is met using one of the following two cases, as applicable:

- General Payload Case
- Controlled Self-Shielding Payload Case

Compliance Under the General Payload Case

The General Payload Case bounds any authorized contents, regardless of form or configuration. Under this case, compliance with the regulatory dose rate requirements for HAC is ensured through compliance with the limits on quantity of each radionuclide. Chapter 5.0 of the RH-TRU 72-B SAR presents a conservative shielding evaluation for HAC and establishes a limiting quantity for each radionuclide such that dose rates are at the HAC regulatory limit (1 rem per hour at 1 meter). For any radionuclide being transported in the RH-TRU 72-B, the quantity allowed (i.e., curies [Ci]) is based on satisfying the HAC dose rate, which conservatively assumes worst-case shielding damage. These limits are shown in Table 3.2-2, Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding, for canisters without neutron shielding and Table 3.2-3, Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters, for neutron shielded canisters. All radionuclides that do not have gamma energies and do not undergo spontaneous fission or whose maximum allowable activity is calculated to be greater than 1×10^8 curies are classified as “unlimited.” The source activity limits for gamma and neutron isotopes not listed in Table 3.2-2 or Table 3.2-3 or neutron isotopes

not bounded by the assumed UO_2 source matrix shall be determined by following the procedures given in Appendix 5.5.3, Screening Method for Neutron Emitting Isotopes, and Appendix 5.5.4, Screening Method for Gamma Emitting Isotopes, of the RH-TRU 72-B SAR. As shown in Chapter 5.0 of the RH-TRU 72-B SAR, the method of summing "partial fractions" is utilized to determine pre-shipment acceptability for any combination of the radionuclides being shipped. For the RH-TRU 72-B, the sum of the partial fractions for any combination of the radionuclides must be less than or equal to unity, or

$$\sum_{i=1}^{n} \frac{a_i}{A_{GN_i}} \leq 1$$

where, for a particular payload mix, a_i is the actual curie content of isotope "i" and A_{GN_i} is the limiting curie content of radionuclide "i" given in Table 3.2-2, or Table 3.2-3, or calculated from the methodologies outlined in Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR.

For example, using Table 3.2-2, 36.43 curies of Co-60, 557.4 curies of Zr-95, and 1,060 curies of Pu-242 each result in a limiting HAC dose rate of 1 rem per hour at a distance of 1 meter from the package surface. The sum of the partial fractions for a payload containing 20.0 curies of Co-60, 38.0 curies of Zr-95, and 155 curies of Pu-242 is:

$$\frac{a_{60_{Co}}}{A_{GN_{60_{Co}}}} + \frac{a_{95_{Zr}}}{A_{GN_{95_{Zr}}}} + \frac{a_{242_{Pu}}}{A_{GN_{242_{Pu}}}} = \frac{20.0}{36.43} + \frac{38.0}{557.4} + \frac{155}{1{,}060} = 0.55 + 0.07 + 0.15 = 0.77 \leq 1.00$$

Thus, the combination of isotopes for the above example will not exceed the HAC limiting dose rate of 1 rem per hour at a distance of 1 meter from the package surface.

Additionally, the sum of dose rate partial fractions must be less than 0.1 to limit the dose contribution from isotopes where activity limits were calculated by the procedures outlined in Appendix 5.5.3 and/or Appendix 5.5.4 of the RH-TRU 72-B SAR to 10 percent of the total, or:

$$\sum_{i=1}^{n} \frac{a_i}{A_{GN_i}} \leq 0.1$$

where, for a particular payload mix, a_i is the actual curie content of isotope "i" and A_{GN_i} is the limiting curie content of radionuclide "i" calculated from the methodologies outlined in Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR.

Compliance Under the Controlled Self-Shielding Payload Case

NOTE: The Controlled Self-Shielding Payload Case is not applicable to the neutron shielded canister.

The Controlled Self-Shielding Payload Case applies to wastes that are constrained in terms of payload form and configuration. Sites choosing to comply with the HAC limits using this case must meet one of the following requirements:

- The payload shall be a homogeneous solid/sludge generated from a waste stream process that ensures a particle size characteristic dimension of 1 inch or less in size. The homogeneous solid/sludge waste stream process shall be documented in the programmatic or waste-specific data package TRAMPAC to include sampling and/or process knowledge data that ensure the particle size dimension requirements are satisfied.

- The payload shall be composed of pucks, or equal, that are compacted with a minimum 20,000-pound compressive force. Each puck shall be dimensionally stable such that its form is retained once compacted. When multiple compacted pucks are used to make up a RH-TRU waste canister payload, the pucks shall be close-fitting and loaded to fill greater than 90 percent of the RH-TRU waste canister internal volume. The compacted puck waste stream process shall be documented in the site compliance documents to include compaction and loading procedures that ensure the compaction and RH-TRU waste canister fill requirements are satisfied.

Under this case, the HAC dose rate limits are satisfied by meeting the NCT dose rate limits at the time of shipment, as demonstrated in Chapter 5.0 of the RH-TRU 72-B SAR. Additionally, HAC dose rate compliance through NCT surveys is supplemented by limiting the quantity of each radionuclide to 15 times the values calculated for the General Payload Case. As shown in Chapter 5.0 of the RH-TRU 72-B SAR, the method of summing "partial fractions" should be appropriately utilized to determine preshipment acceptability for any combination of the radionuclides being shipped. For the RH-TRU 72-B, the sum of the partial fractions for

any combination of the radionuclides must be less than or equal to unity, or

$$\sum_{i=1}^{n} \frac{a_i}{15 x A_{GN_i}} \leq 1$$

where, for a particular payload mix, a_i is the actual curie content of isotope "i", and A_{GN_i} is the limiting curie content of radionuclide "i" given in Table 3.2-2 or calculated from the methodologies outlined in Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR.

Additionally, the sum of dose rate partial fractions must be less than 0.1 to limit the dose contribution from isotopes where activity limits were calculated by the procedures outlined in Appendix 5.5.3 and/or Appendix 5.5.4 of the RH-TRU 72-B SAR to 10 percent of the total, or:

$$\sum_{i=1}^{n} \frac{a_i}{15 x A_{GN_i}} \leq 0.1$$

where, for a particular payload mix, a_i is the actual curie content of isotope "i", and A_{GN_i} is the limiting curie content of radionuclide "i" calculated from the methodologies outlined in Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR.

CCP compliance with HAC dose rate requirements is usually achieved by using the General Payload Case. Under special conditions, CCP may achieve compliance using the Controlled Self-Shielding Payload Case, provided that the conditions necessary for using the Controlled Self-Shielding Payload Case are satisfied. In either case, approved radionuclide measurement methods are performed on the contents of each RH-TRU 72-B waste canister to quantitate the activity of radionuclides within the canister and as such, within the loaded RH-TRU 72-B package. These measurement results are used to evaluate and demonstrate compliance in accordance with the requirements specified for the payload case being utilized. The results of the HAC evaluation is documented in the PTCD and checked by the CCP TCO for compliance. Additionally, the WWIS/WDS performs calculations and associated edit/limit checks on data reported for a RH-TRU waste canister and RH-TRU 72-B package to verify compliance with the HAC criteria.

Table 3.2-2. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding

Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)	Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)
^{3}H			unlimited	^{90}Zr			unlimited
^{10}Be			unlimited	^{90m}Zr			unlimited
^{14}C			unlimited	^{93}Zr	X		unlimited
^{22}Na	X		7.040E+01	^{95}Zr	X		5.574E+02
^{32}P			unlimited	^{93m}Nb	X		unlimited
^{33}P			unlimited	^{94}Nb	X		1.887E+02
^{35}S			unlimited	^{95}Nb	X		4.578E+02
^{45}Ca	X		unlimited	^{95m}Nb	X		1.520E+06
^{46}Sc	X		7.058E+01	^{99}Tc	X		unlimited
^{49}V			unlimited	^{99m}Tc	X		unlimited
^{51}Cr	X		unlimited	^{103}Ru	X		7.161E+03
^{54}Mn	X		2.938E+02	^{106}Ru			unlimited
^{55}Fe			unlimited	^{103m}Rh	X		unlimited
^{59}Fe	X		8.578E+01	^{106}Rh	X		2.180E+03
^{57}Co	X		5.245E+05	^{107}Pd			unlimited
^{58}Co	X		3.122E+02	^{108}Ag	X		5.931E+04
^{60}Co	X		3.643E+01	^{108m}Ag	X		5.064E+02
^{59}Ni			unlimited	^{109m}Ag	X		unlimited
^{63}Ni			unlimited	^{110}Ag	X		1.971E+04
^{64}Cu	X		1.255E+04	^{110m}Ag	X		6.301E+01
^{65}Zn	X		2.044E+02	^{109}Cd	X		unlimited
^{73}As	X		unlimited	^{113m}Cd	X		unlimited
^{79}Se			unlimited	^{115m}Cd	X		3.938E+03
^{85}Kr	X		1.534E+06	^{114}In	X		4.741E+04
^{86}Rb	X		1.316E+03	^{114m}In	X		1.674E+04
^{87}Rb			unlimited	^{115m}In	X		9.296E+06
^{89}Sr	X		2.180E+06	^{119m}Sn	X		unlimited
^{90}Sr			unlimited	^{121m}Sn	X		unlimited
^{88}Y	X		2.485E+01	^{123}Sn	X		1.752E+04
^{90}Y	X		unlimited	^{126}Sn	X		unlimited
^{90m}Y	X		1.495E+04	^{124}Sb	X		5.003E+01
^{91}Y	X		3.201E+04	^{125}Sb	X		4.166E+03
^{88}Zr	X		2.204E+05	^{126}Sb	X		1.907E+02

Table 3.2-2. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding (Continued)

Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)	Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)
^{126m}Sb	X		4.589E+02	^{155}Eu	X		unlimited
^{123}Te			unlimited	^{152}Gd			unlimited
^{123m}Te	X		unlimited	^{153}Gd	X		unlimited
^{125m}Te	X		unlimited	^{160}Tb	X		1.379E+02
^{127}Te	X		8.177E+06	^{166m}Ho	X		2.564E+02
^{127m}Te	X		7.946E+06	^{168}Tm	X		3.067E+02
^{129}Te	X		1.231E+04	^{182}Ta	X		8.964E+01
^{129m}Te	X		1.695E+04	^{198}Au	X		3.074E+04
^{125}I	X		unlimited	^{207}Tl	X		8.436E+04
^{129}I	X		unlimited	^{208}Tl	X		1.617E+01
^{131}I	X		1.189E+04	^{209}Tl	X		3.819E+01
^{134}Cs	X		2.444E+02	^{209}Pb			unlimited
^{135}Cs			unlimited	^{210}Pb	X		unlimited
^{137}Cs	X		1.268E+03	^{211}Pb	X		6.387E+03
^{133}Ba	X		1.967E+06	^{212}Pb	X		6.065E+07
^{137}Ba			unlimited	^{214}Pb	X		1.967E+04
^{137m}Ba	X		1.198E+03	^{207}Bi	X		1.112E+02
^{141}Ce	X		unlimited	^{210}Bi			unlimited
^{142}Ce			unlimited	^{211}Bi	X		2.446E+07
^{144}Ce	X		unlimited	^{212}Bi	X		1.342E+03
^{143}Pr	X		unlimited	^{213}Bi	X		1.887E+04
^{144}Pr	X		2.393E+03	^{214}Bi	X		5.576E+01
^{144m}Pr	X		7.371E+04	^{209}Po	X		4.694E+04
^{146}Pm	X		9.394E+02	^{210}Po	X		2.819E+07
^{147}Pm	X		unlimited	^{211}Po	X		3.639E+04
^{148}Pm	X		1.760E+02	^{212}Po			unlimited
^{148m}Pm	X		2.576E+02	^{213}Po	X		8.565E+06
^{146}Sm			unlimited	^{214}Po			unlimited
^{147}Sm			unlimited	^{215}Po	X		unlimited
^{151}Sm	X		unlimited	^{216}Po	X		1.780E+07
^{150}Eu	X		2.750E+02	^{218}Po			unlimited
^{152}Eu	X		1.149E+02	^{211}At	X		3.290E+05
^{154}Eu	X		1.108E+02	^{217}At	X		1.673E+07

Table 3.2-2. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding (Continued)

Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)	Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)
^{219}Rn	X		1.019E+06	^{240}U	X		unlimited
^{220}Rn	X		3.373E+06	^{237}Np	X	X	9.030E+05
^{222}Rn	X		9.315E+06	^{238}Np	X		2.211E+02
^{221}Fr	X		6.687E+07	^{239}Np	X		4.986E+07
^{223}Fr	X		4.101E+04	^{240}Np	X		2.510E+02
^{223}Ra	X		7.495E+05	^{240m}Np	X		8.149E+02
^{224}Ra	X		2.257E+07	^{236}Pu	X	X	4.325E+05
^{225}Ra	X		unlimited	^{238}Pu	X	X	4.638E+05
^{226}Ra	X		unlimited	^{239}Pu	X	X	7.014E+05
^{228}Ra	X		unlimited	^{240}Pu	X	X	9.140E+04
^{225}Ac	X		2.925E+06	^{241}Pu	X	X	unlimited
^{227}Ac	X		unlimited	^{242}Pu	X	X	1.060E+03
^{228}Ac	X		1.730E+02	^{243}Pu	X		6.373E+07
^{227}Th	X		1.610E+06	^{244}Pu		X	4.500E+00
^{228}Th	X		unlimited	^{241}Am	X	X	5.455E+05
^{229}Th	X		unlimited	^{242}Am	X		unlimited
^{230}Th	X	X	1.000E+06	^{242m}Am	X	X	2.780E+07
^{231}Th	X		unlimited	^{243}Am	X	X	6.199E+05
^{232}Th	X	X	2.090E+06	^{245}Am	X		unlimited
^{234}Th	X		unlimited	^{240}Cm		X	9.500E+04
^{231}Pa	X	X	7.288E+05	^{242}Cm	X	X	6.109E+04
^{233}Pa	X		3.117E+06	^{243}Cm	X	X	5.830E+04
^{234}Pa	X		1.370E+02	^{244}Cm	X	X	3.410E+03
^{234m}Pa	X		8.465E+03	^{245}Cm	X	X	2.140E+04
^{232}U	X	X	6.389E+05	^{246}Cm		X	1.480E+01
^{233}U	X	X	8.720E+05	^{247}Cm	X		1.774E+05
^{234}U	X	X	8.909E+05	^{248}Cm		X	4.870E-02
^{235}U	X	X	9.472E+05	^{250}Cm		X	5.710E-03
^{236}U	X	X	9.680E+05	^{247}Bk	X		unlimited
^{237}U	X		unlimited	^{249}Bk	X	X	4.590E+06
^{238}U	X	X	1.180E+04	^{250}Bk	X		1.547E+02
^{239}U	X		3.108E+04	^{249}Cf	X	X	1.685E+05

Table 3.2-2. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Canisters Without Neutron Shielding (Continued)

Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)	Radionuclide Name	Gamma Emitter	Neutron Emitter	HAC @ 1 m Maximum Allowable Activity (Ci)
^{250}Cf	X	X	4.580E+00	^{252}Es	X		1.657E+03
^{251}Cf	X	X	4.580E+05	^{253}Es	X	X	3.569E+04
^{252}Cf	X	X	1.190E-01	^{254}Es	X	X	8.959E+04
^{254}Cf		X	3.640E-03	^{254m}Es	X	X	7.165E+00

Ci = Curie(s).
HAC = Hypothetical Accident Conditions.
M = Meter.

Table 3.2-3. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters

Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci)	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)	Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)
^{3}H	–	–	unlimited	unlimited	^{90m}Y	×	–	1.574E+04	1.705E+04
^{10}Be	–	–	unlimited	unlimited	^{91}Y	×	–	3.369E+04	3.649E+04
^{14}C	–	–	unlimited	unlimited	^{88}Zr	×	–	2.320E+05	2.513E+05
^{22}Na	×	–	7.410E+01	8.026E+01	^{90}Zr	–	–	unlimited	unlimited
^{32}P	–	–	unlimited	unlimited	^{90m}Zr	–	–	unlimited	unlimited
^{33}P	–	–	unlimited	unlimited	^{93}Zr	×	–	unlimited	unlimited
^{35}S	–	–	unlimited	unlimited	^{95}Zr	×	–	5.867E+02	6.355E+02
^{45}Ca	×	–	unlimited	unlimited	^{93m}Nb	×	–	unlimited	unlimited
^{46}Sc	×	–	7.429E+01	8.047E+01	^{94}Nb	×	–	1.986E+02	2.151E+02
^{49}V	–	–	unlimited	unlimited	^{95}Nb	×	–	4.819E+02	5.220E+02
^{51}Cr	–	–	unlimited	unlimited	^{95m}Nb	×	–	1.600E+06	1.733E+06
^{54}Mn	–	–	3.093E+02	3.350E+02	^{99}Tc	×	–	unlimited	unlimited
^{55}Fe	–	–	unlimited	unlimited	^{99m}Tc	×	–	unlimited	unlimited
^{59}Fe	×	–	9.029E+01	9.780E+01	^{103}Ru	×	–	7.537E+03	8.164E+03
^{57}Co	×	–	5.521E+05	5.980E+05	^{106}Ru	–	–	unlimited	unlimited
^{58}Co	×	–	3.286E+02	3.559E+02	^{103m}Rh	×	–	unlimited	unlimited
^{60}Co	×	–	3.835E+01	4.154E+01	^{106}Rh	×	–	2.294E+03	2.485E+03
^{59}Ni	–	–	unlimited	unlimited	^{107}Pd	–	–	unlimited	unlimited
^{63}Ni	–	–	unlimited	unlimited	^{108}Ag	×	–	6.243E+04	6.762E+04
^{64}Cu	×	–	1.321E+04	1.431E+04	^{108m}Ag	×	–	5.330E+02	5.774E+02
^{65}Zn	×	–	2.151E+02	2.330E+02	^{109m}Ag	×	–	unlimited	unlimited
^{73}As	×	–	unlimited	unlimited	^{110}Ag	×	–	2.075E+04	2.247E+04
^{79}Se	–	–	unlimited	unlimited	^{110m}Ag	×	–	6.633E+01	7.184E+01
^{85}Kr	×	–	1.614E+06	1.748E+06	^{109}Cd	×	–	unlimited	unlimited
^{86}Rb	×	–	1.385E+03	1.501E+03	^{113m}Cd	×	–	unlimited	unlimited
^{87}Rb	–	–	unlimited	unlimited	^{115m}Cd	×	–	4.145E+03	4.490E+03
^{89}Sr	×	–	2.295E+06	2.486E+06	^{114}In	×	–	4.990E+04	5.405E+04
^{90}Sr	–	–	unlimited	unlimited	^{114m}In	×	–	1.762E+04	1.908E+04
^{88}Y	×	–	2.616E+01	2.833E+01	^{115m}In	×	–	9.785E+06	1.060E+07
^{90}Y	×	–	unlimited	unlimited	^{119m}Sn	×	–	unlimited	unlimited

Table 3.2-3. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters (Continued)

Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci)	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)	Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)
^{121m}Sn	×	–	unlimited	unlimited	^{148m}Pm	×	–	2.712E+02	2.937E+02
^{123}Sn	×	–	1.844E+04	1.998E+04	^{146}Sm	–	–	unlimited	unlimited
^{126}Sn	×	–	unlimited	unlimited	^{147}Sm	–	–	unlimited	unlimited
^{124}Sb	×	–	5.266E+01	5.704E+01	^{151}Sm	×	–	unlimited	unlimited
^{125}Sb	×	–	4.385E+03	4.750E+03	^{150}Eu	×	–	2.894E+02	3.135E+02
^{126}Sb	×	–	2.007E+02	2.174E+02	^{152}Eu	×	–	1.209E+02	1.309E+02
^{126m}Sb	×	–	4.830E+02	5.232E+02	^{154}Eu	×	–	1.166E+02	1.263E+02
^{123}Te	–	–	unlimited	unlimited	^{155}Eu	×	–	unlimited	unlimited
^{123m}Te	×	–	unlimited	unlimited	^{152}Gd	–	–	unlimited	unlimited
^{125m}Te	×	–	unlimited	unlimited	^{153}Gd	×	–	unlimited	unlimited
^{127}Te	×	–	8.607E+06	9.322E+06	^{160}Tb	×	–	1.451E+02	1.572E+02
^{127m}Te	×	–	8.364E+06	9.059E+06	^{166m}Ho	×	–	2.699E+02	2.924E+02
^{129}Te	×	–	1.295E+04	1.403E+04	^{168}Tm	×	–	3.229E+02	3.497E+02
^{129m}Te	×	–	1.784E+04	1.932E+04	^{182}Ta	×	–	9.435E+01	1.022E+02
^{125}I	×	–	unlimited	unlimited	^{198}Au	×	–	3.235E+04	3.504E+04
^{129}I	×	–	unlimited	unlimited	^{207}Tl	×	–	8.879E+04	9.618E+04
^{131}I	×	–	1.252E+04	1.356E+04	^{208}Tl	×	–	1.702E+01	1.843E+01
^{134}Cs	×	–	2.573E+02	2.786E+02	^{209}Tl	×	–	4.020E+01	4.354E+01
^{135}Cs	–	–	unlimited	unlimited	^{209}Pb	–	–	unlimited	unlimited
^{137}Cs	×	–	1.335E+03	1.446E+03	^{210}Pb	×	–	unlimited	unlimited
^{133}Ba	×	–	2.071E+06	2.243E+06	^{211}Pb	×	–	6.723E+03	7.282E+03
^{137}Ba	–	–	unlimited	unlimited	^{212}Pb	×	–	6.384E+07	6.915E+07
^{137m}Ba	×	–	1.260E+03	1.365E+03	^{214}Pb	×	–	2.070E+04	2.242E+04
^{141}Ce	×	–	unlimited	unlimited	^{207}Bi	×	–	1.170E+02	1.267E+02
^{142}Ce	–	–	unlimited	unlimited	^{210}Bi	–	–	unlimited	unlimited
^{144}Ce	×	–	unlimited	unlimited	^{211}Bi	×	–	2.575E+07	2.789E+07
^{143}Pr	×	–	unlimited	unlimited	^{212}Bi	×	–	1.412E+03	1.529E+03
^{144}Pr	×	–	2.518E+03	2.728E+03	^{213}Bi	×	–	1.986E+04	2.152E+04
^{144m}Pr	×	–	7.758E+04	8.403E+04	^{214}Bi	×	–	5.869E+01	6.357E+01
^{146}Pm	×	–	9.887E+02	1.071E+03	^{209}Po	×	–	4.941E+04	5.352E+04
^{147}Pm	×	–	unlimited	unlimited	^{210}Po	×	–	2.967E+07	3.214E+07
^{148}Pm	×	–	1.853E+02	2.007E+02	^{211}Po	×	–	3.830E+04	4.149E+04

Table 3.2-3. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters (Continued)

Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci)	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)	Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)
^{212}Po	–	–	unlimited	unlimited	^{232}U	×	×	1.417E+06	3.981E+06
^{213}Po	×	–	9.015E+06	9.765E+06	^{233}U	×	×	1.978E+06	5.745E+06
^{214}Po	–	–	unlimited	unlimited	^{234}U	×	×	2.017E+06	5.904E+06
^{215}Po	×	–	unlimited	unlimited	^{235}U	×	×	2.250E+06	6.613E+06
^{216}Po	×	–	1.874E+07	2.030E+07	^{236}U	×	×	2.266E+06	6.748E+06
^{218}Po	–	–	unlimited	unlimited	^{237}U	×	–	unlimited	unlimited
^{211}At	×	–	3.463E+05	3.751E+05	^{238}U	×	×	3.118E+04	9.407E+04
^{217}At	×	–	1.761E+07	1.908E+07	^{239}U	×	–	3.271E+04	3.543E+04
^{219}Rn	×	–	1.073E+06	1.162E+06	^{240}U	×	–	unlimited	unlimited
^{220}Rn	×	–	3.551E+06	3.846E+06	^{237}Np	×	×	2.037E+06	5.942E+06
^{222}Rn	×	–	9.805E+06	1.062E+07	^{238}Np	×	–	2.327E+02	2.521E+02
^{221}Fr	×	–	7.038E+07	7.623E+07	^{239}Np	×	–	5.248E+07	5.684E+07
^{223}Fr	×	–	4.316E+04	4.675E+04	^{240}Np	×	–	2.642E+02	2.862E+02
^{223}Ra	×	–	7.889E+05	8.545E+05	^{240m}Np	×	–	8.578E+02	9.291E+02
^{224}Ra	×	–	2.376E+07	2.573E+07	^{236}Pu	×	×	9.390E+05	2.558E+06
^{225}Ra	×	–	unlimited	unlimited	^{238}Pu	×	×	1.027E+06	2.869E+06
^{226}Ra	×	–	unlimited	unlimited	^{239}Pu	×	×	1.562E+06	4.437E+06
^{228}Ra	×	–	unlimited	unlimited	^{240}Pu	×	×	2.247E+05	6.406E+05
^{225}Ac	×	–	3.079E+06	3.335E+06	^{241}Pu	×	×	unlimited	unlimited
^{227}Ac	×	–	unlimited	unlimited	^{242}Pu	×	×	2.609E+03	7.434E+03
^{228}Ac	×	–	1.821E+02	1.973E+02	^{243}Pu	×	–	6.709E+07	7.266E+07
^{227}Th	×	–	1.695E+06	1.836E+06	^{244}Pu	–	×	1.161E+01	3.433E+01
^{228}Th	×	–	unlimited	unlimited	^{241}Am	×	×	1.188E+06	3.260E+06
^{229}Th	×	–	unlimited	unlimited	^{242}Am	×	–	unlimited	unlimited
^{230}Th	×	×	2.268E+06	6.635E+06	^{242m}Am	×	×	6.559E+07	unlimited
^{231}Th	×	–	unlimited	unlimited	^{243}Am	×	×	1.365E+06	3.768E+06
^{232}Th	×	×	4.995E+06	1.577E+07	^{245}Am	×	–	unlimited	unlimited
^{234}Th	×	–	unlimited	unlimited	^{240}Cm	–	×	2.111E+05	5.552E+05
^{231}Pa	×	×	1.526E+06	3.644E+06	^{242}Cm	×	×	1.431E+05	3.947E+05
^{233}Pa	×	–	3.281E+06	3.554E+06	^{243}Cm	×	×	1.343E+05	3.602E+05
^{234}Pa	×	–	1.442E+02	1.562E+02	^{244}Cm	×	×	8.250E+03	2.262E+04
^{234m}Pa	×	–	8.910E+03	9.651E+03	^{245}Cm	×	×	4.935E+04	1.368E+05

Table 3.2-3. Summary of Hypothetical Accident Condition Curie Limits for Each Radionuclide for Neutron Shielded Canisters (Continued)

Radio-nuclide	Gamma Emitter	Gamma Emitter	HAC @ 1 m NS30 Maximum Allowable Activity (Ci)	HAC @ 1 m NS15 Maximum Allowable Activity (Ci)
^{246}Cm	–	×	3.579E+01	9.941E+01
^{247}Cm	×	–	1.867E+05	2.022E+05
^{248}Cm	–	×	1.209E-01	3.427E-01
^{250}Cm	–	×	1.494E-02	4.400E-02
^{247}Bk	×	–	unlimited	unlimited
^{249}Bk	×	×	1.176E+07	3.436E+07
^{250}Bk	×	–	1.628E+02	1.763E+02
^{249}Cf	×	×	2.541E+05	3.614E+05
^{250}Cf	×	×	1.040E+01	2.675E+01
^{251}Cf	×	×	9.861E+05	2.684E+06
^{252}Cf	×	×	2.643E-01	6.745E-01
^{254}Cf	–	×	8.066E-03	2.044E-02
^{252}Es	×	–	1.744E+03	1.889E+03
^{253}Es	×	×	7.928E+04	2.022E+05
^{254}Es	×	×	1.965E+05	5.065E+05
^{254m}Es	×	×	1.594E+01	3.995E+01

Ci = Curie(s).
HAC = Hypothetical accident conditions.
m = Meter.

4.0 CHEMICAL PROPERTIES REQUIREMENTS

4.1 Pyrophoric Materials

As defined by 10 CFR §61.2:

> A pyrophoric solid is any solid material, other than one classed as an explosive, which under normal conditions is liable to cause fires through friction, retained heat from manufacturing or processing, or which can be ignited readily and when ignited burns so vigorously and persistently as to create a serious transportation, handling, or disposal hazard. Included are spontaneously combustible and water-reactive materials.

Examples of pyrophoric radionuclides are metallic plutonium and americium. Examples of nonradioactive pyrophorics, or materials/wastes that may cause a pyrophoric-type event, are organic peroxides, sodium metal, and chlorates.

While the 1 percent restriction is an upper limit, the amount of radioactive material in a payload container is typically well below this limit because of fissile content and decay heat restrictions. Similarly, nonradioactive pyrophorics are reacted (or oxidized) and rendered nonreactive prior to placement in the payload container.

4.1.1 Requirements

Both radioactive and nonradioactive pyrophoric materials shall be limited to residual amounts (less than 1 percent by weight) in the RH-TRU waste canister.

4.1.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- Review of records and database information, which may include knowledge of process
- Administrative and procurement controls

In accordance with CCP AK and VE procedures, CCP personnel use AK and the VE technique during packaging to ensure prohibited items are not present in waste containers. Waste generators process items to eliminate any condition that may result in rejection of the payload container. VE personnel verify that the waste placed in the container meets the pyrophoric restriction.

CCP personnel verify compliance with the pyrophorics restriction by obtaining information (e.g., administrative, operating, and QA procedures and safety assessments) documenting that the waste does not contain pyrophorics or other prohibited materials. CCP personnel review and evaluate AK to verify that waste-producing processes included no pyrophorics or other prohibited materials. AK includes sampling and analysis data, documentation of waste stream descriptions, or actions to treat or stabilize the waste to eliminate specific characteristics. CCP personnel may verify AK through radiography and VE of randomly selected waste containers in accordance with approved AK and VE procedures.

4.2 Explosives, Corrosives, and Compressed Gases

As defined by 49 CFR §173.50:

> An explosive means any substance or article, including a device, which is designed to function by explosion (i.e., an extremely rapid release of gas and heat) or which, by chemical reaction within itself, is able to function in a similar manner even if not designed to function by explosion, unless the substance or article is otherwise classed under the provisions of (49 CFR 173, Subpart C). The term includes a pyrotechnic substance or article, unless the substance or article is otherwise classed under the provisions of (49 CFR 173, Subpart C).

Examples of explosives are ammunition, dynamite, black powder, detonators, nitroglycerine, urea nitrate, and picric acid.

As defined by 40 CFR §261.22:

[1] A solid waste exhibits the characteristic of corrosivity if a representative sample of the waste has the following property:

a) It is aqueous and has a pH less than or equal to two or greater than or equal to 12.5.

[2] A solid waste that exhibits the characteristic of corrosivity has the U.S Environmental Protection Agency (EPA) Hazardous Waste Number of D002.

The physical form of the waste and waste generating procedures at the sites ensure that the waste is in a nonreactive form. All waste generating sites administratively control the procurement, distribution, use, and disposal of explosives. Most sites have lists of restricted materials that include explosives. Typically, the TRU waste generating and storage sites do not allow explosives in the same facility as TRU waste.

4.2.1 Requirements

Explosives, corrosives, and compressed gases (pressurized containers) are prohibited from the payload.

4.2.2 Methods of Compliance and Verification

Compliance is by one, or a combination of, the following methods:

- VE of the waste
- Administrative and Procurement Controls
- Radiography
- Sampling Program
- Review of Records and Database Information, which may include knowledge of process

Waste generators use AK and the VE technique during packaging to ensure that there is no indication of the presence of waste materials that may contain explosives, compressed gases, and corrosives in waste containers. CCP personnel process items to eliminate any condition that may result in rejection of the payload container. CCP personnel verify compliance with the prohibited items requirement by obtaining information (e.g., administrative, operating, and QA procedures and safety assessments) documenting that waste does not contain explosives, corrosives, or pressurized containers. CCP personnel review and evaluate AK to verify that waste-producing processes included no prohibited or restricted materials. AK includes sampling and analysis data, documentation of waste stream descriptions, or actions to treat or stabilize the waste to eliminate specific characteristics. CCP personnel verify that prohibited materials are not in the waste container through radiography. RTR and VE are performed in accordance with approved CCP procedures.

4.3 Chemical Composition

The chemical constituents allowed in the RH-TRU 72-B payload are restricted to ensure chemical compatibility and to enable the determination of the gas generation potential (G value in molecules per 100 electron-volts [eV]) of the payload. The chemicals and materials that may be present within a given payload container are documented in the chemical list for a given RH-TRUCON code. Compliance with the list of allowable materials in Table 4.3-1, Table of Allowable Materials for

RH-TRU Waste[1] has been demonstrated for each chemical list corresponding to each RH-TRUCON code thereby ensuring chemical compatibility for approved RH-TRUCON codes. The chemical list for each RH-TRUCON code is also evaluated to determine a G value for the RH-TRUCON code in accordance with the methodology specified in Appendix 2.2 of the *RH-TRU Payload Appendices*.

4.3.1 Requirements

Chemical constituents in a payload shall conform to the list of allowable materials in Table 4.3-1. The total quantity of the trace chemicals/materials (materials that occur in the waste in quantities less than 1 percent [weight]) not listed in Table 4.3-1 in the payload container is restricted to less than 5 percent (weight).

4.3.2 Methods of Compliance and Verification

Compliance is by one, or a combination, of the following methods:

- Review of records and database information, which may include knowledge of process
- Administrative and procurement controls
- Sampling program

RH-TRUCON codes approved by the WIPP RH-TRU Payload Engineer comply with the chemical composition requirements. Any proposed change in process technology at a generating site for a given RH-TRUCON code is evaluated for compliance with the list of allowable materials in Table 4.3-1. This change is evaluated and approved by the WIPP RH-TRU Payload Engineer for compliance with existing restrictions. All changes in the chemical characteristics of the waste are recorded, and the date of the new process, description of the process, and list of new chemicals are submitted to the WIPP RH-TRU Payload Engineer. The WIPP RH-TRU Payload Engineer may allow transport of the waste under the approved RH-TRUCON code if none of the restrictions are violated as a result of the change. If the WIPP RH-TRU Payload Engineer determines that the old RH-TRUCON code is no longer valid, the waste may be assigned to a new RH-TRUCON code for shipment. The NRC is notified of any change not covered by the authorized contents as defined by this document through an amendment to the RH-TRAMPAC. All changes exceeding currently authorized contents are submitted to the NRC for review and approval prior to incorporation into a chemical list or RH-TRUCON code.

The method of compliance is a review of records and database information. CCP personnel compile AK information to identify chemical constituents in the waste in accordance with CCP-TP-005. This information is compared to Table 4.3-1 and from this review a content code is assigned to the waste stream. This content code is then confirmed, as applicable, during the following characterization activities. As an additional check, RTR and VE operators are required to confirm the content code, to the extent applicable, during their respective characterization confirmation activities. RTR and VE steps discussed above are performed in accordance with CCP RTR and VE procedures. Where discrepancies with the content code are identified, the following actions are taken:

- The payload container is rejected for noncompliance with the chemical constituents requirements marked and segregated or,

- The noncompliant item is removed or,

- CCP requests a new or updated content code from the WIPP RH TRU Payload Engineer. The request will include material and chemical information needed to support the content code application. The WIPP RH TRU Payload Engineer will evaluate each content code request for chemical composition and verify compliance with the RH-TRAMPAC prior to issuing or updating content codes.

- Any notifications or communication with the NRC will be conducted at the direction of the DOE-CBFO.

Table 4.3-1. Table of Allowable Materials for RH-TRU Waste[1]

Absorbent polymers, organic
Absorbents/adsorbents (e.g., Celite®, diatomaceous earth, diatomite, Florco®, Oil-Dri®, perlite, vermiculite)
Acids (inorganic and organic) – Neutralized/solidified
Alcohols (e.g., butanol, ethanol, isopropanol, methanol)
Alumina cement
Aquaset® products (for aqueous solutions)
Aqueous sludges
Aqueous solutions/water
Asbestos
Ash (e.g., ash bottoms, fly ash, soot)
Asphalt
Bakelite® [2]
Batteries, dry (e.g., flashlight)
Caustics – Neutralized/solidified
Cellulose (e.g., Benelex®, cotton Conwed®, paper, rags, rayon, wood)
Cellulose acetate butyrate
Cellulose propionate
Ceramics (e.g., molds and crucibles)
Chlorinated polyether
Clays (e.g., bentonite)
Concrete
Detergent, solid (e.g., emulsifiers, surfactants)
Envirostone® (no organic emulsifiers allowed)
Esters (e.g., ethyl acetate, polyethylene glycol ester)
Ethers (e.g., ethyl ether)
Fiberglass (inorganic and organic)
Filter media (inorganic and organic)
Firebrick
Glass (e.g., borosilicate glass, labware, leaded glass, Raschig rings)
Graphite (e.g., molds and crucibles)
Greases, commercial brands
Grit
Halogenated organics (e.g., bromoform; carbon tetrachloride; chlorobenzene; chloroform; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethylene; cis-1,2-dichloroethylene; methylene chloride; 1,1,2,2-tetrachloroethane; tetrachloroethylene; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethylene; 1,1,2-trichloro-1,2,2-trifluoroethane)
Heel (e.g., ash heel; soot heel; firebrick heel; sand, slag, and crucible heel)
Hydrocarbons, aliphatic (e.g., cyclohexane, n-paraffin hydrocarbons)
Hydrocarbons, aromatic (e.g., benzene; ethyl benzene; toluene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; xylene)
Insulation (inorganic and organic)
Ketones (e.g., acetone, methyl ethyl ketone, methyl isobutyl ketone)
Leaded rubber (e.g., gloves, aprons, sheet material)

Table 4.3-1. Table of Allowable Materials for RH-TRU Waste[1] (Continued)

Leather
Magnesia cement (e.g., Ramcote® cement)
Magnesium alloy
Metal hydroxides
Metal oxides (e.g., slag)
Metals (e.g., aluminum, cadmium, copper, steel, tantalum, tungsten, zinc)
Nitrates (e.g., ammonium nitrate, sodium nitrate)
Oil (e.g., petroleum, mineral)
Organophosphates (e.g., tributyl phosphate, dibutyl phosphate, monobutyl phosphite)
Paint, dry (e.g., floor/wall paint, as low as reasonably achievable [ALARA])
Petroset® products (for aqueous solutions)
Plastics [e.g., polycarbonate, polyethylene, polymethyl methacrylate (Plexiglas®, Lucite®), polysulfone, polytetrafluoroethylene (Teflon®), polyvinyl acetate, polyvinyl chloride, polyvinylidene chloride (saran)]
Polyamides (nylon)
Polychlorotrifluoroethylene (e.g., Kel-F®)
Polyesters (e.g., Dacron®, Mylar®)
Polyethylene glycol (e.g., Carbowax®)
Polyimides
Polyphenyl methacrylate
Polypropylene (e.g., Ful-Flo® filters)
Polyurethane
Polyvinyl alcohol
Portland cement
Resins (e.g., aniline-formaldehyde, melamine-formaldehyde, organic resins, phenol-formaldehyde, phenolic resins, urea-formaldehyde)
Rubber, natural or synthetic [e.g., chlorosulfonated polyethylene (Hypalon®), ethylene-propylene rubber, EPDM, polybutadiene, polychloroprene (neoprene), polyisobutylene, polyisoprene, polystyrene, rubber hydrochloride (pliofilm®)]
Salts (e.g., calcium chloride, calcium fluoride, sodium chloride)
Sand/soil (inorganic and organic)
Trioctyl phosphine oxide
Waxes, commercial brands
Other inorganic materials

[1]Other chemicals or materials not identified in this table are allowed provided that they meet the requirements for trace constituents, as defined in Section 4.3.1. All materials in the final waste form must be inert (nonreactive), be in a nonreactive form, or have been rendered nonreactive.

[2]Bakelite is a trademark for materials that can be composed of several different polymers, including polyethylene, polypropylene, epoxy, phenolic, polystyrene, phenoxy, perylene, polysulfone, ethylene copolymers, ABS, acrylics, and vinyl resins and compounds.

4.4 Chemical Compatibility

The list of allowable materials in Table 4.3-1 restricts the chemical composition of the payload. The basis for evaluating the chemical compatibility is the EPA document, *A Method for Determining the Compatibility of Hazardous Wastes*, (EPA 600/2-80-076). This method provides a systematic means of analyzing the chemical compatibility for specific combinations of chemical compounds and materials. Any incompatibilities between the payload and the packaging shall be evaluated separately if not covered by the EPA method. As described in Appendix 4.1, *Chemical Compatibility of Waste Forms*, of the *RH-TRU Payload Appendices*, the EPA method classifies individual chemical compounds into chemical groups and identifies the potential adverse reactions resulting from incompatible combinations of the groups.

4.4.1 Requirements

Chemical compatibility is ensured for the following conditions:

- Chemical compatibility of the waste form within the RH-TRU waste canister
- Chemical compatibility of the waste forms with the RH-TRU 72-B IV
- Chemical compatibility of the waste forms with the RH-TRU 72-B O-ring seals.

4.4.2 Methods of Compliance and Verification

Compatibility has been demonstrated for transport in the RH-TRU 72-B using the List of Allowable Materials for RH-TRU Waste (Table 4.3-1). The restrictions imposed on the chemical constituents of the RH-TRUCON codes approved by the WIPP RH-TRU Payload Engineer ensure compliance with the compatibility requirements (see also Appendices 4.1, 4.2, Free Halides in the RH-TRU 72-B Payload – Source Term and Release Rate Estimates, 4.3, Payload Compatibility with Butyl Rubber O-Ring Seals, and 4.4, Volatile Organic Compounds [VOC] in the RH-TRU 72-B Payload – Source Term and Release Rate Estimates of the *RH-TRU Payload Appendices*). The chemical list for each RH-TRUCON code is formally documented in DOE/WIPP 90-045.

CCP ensures the waste has an approved RH-TRUCON code prior to shipment. If the waste has an approved RH-TRUCON code, the requirement for compatibility has been met. If a RH-TRUCON code is not assigned, then CCP applies for a RH-TRUCON code in accordance with Section 1.5.2.

5.0 GAS GENERATION REQUIREMENTS

Gas concentrations and pressures during transport of RH-TRU wastes in an RH-TRU 72-B payload are restricted as follows:

- For any package containing water and/or organic substances that could radiolytically generate combustible gases, determination must be made by tests and measurements or by analysis of a representative package such that the following criterion is met over a period of time that is twice the expected shipment time (defined in Appendices 2.3 and 2.4 of the *RH-TRU Payload Appendices*): The hydrogen generated must be limited to a molar quantity that would be no more than 5 percent by volume of the innermost layer of confinement (or equivalent limits for other inflammable gases) if present at STP (i.e., no more than 0.063 gram-moles/cubic foot at 14.7 psi absolute and 32°F).

- The gases generated in the payload and released into the RH-TRU 72-B IV cavity shall be controlled to maintain the pressure within the IV cavity below the acceptable design pressure of 150 pounds per square inch gauge (psig).

The design decay heat limit for the RH-TRU 72-B is as follows:

- 50 watts per canister for all payloads.

Specific requirements associated with the restrictions on gas generation during transport of a payload are described in detail below.

5.1 Flammable (Gas/VOC) Concentration Limits

5.1.1 Requirements

As discussed in Appendices 4.1, 4.5, and 4.6 of the *RH-TRU Payload Appendices,* the primary mechanism for potential flammable gas generation in TRU wastes is radiolysis. TRU wastes to be transported in the RH-TRU 72-B are restricted so that no flammable mixtures can occur in any layer of confinement during shipment. While the predominant flammable gas of concern is hydrogen, the presence of flammable VOCs is limited along with hydrogen to ensure the absence of flammable (gas/VOC) mixtures in the RH-TRU 72-B payload.

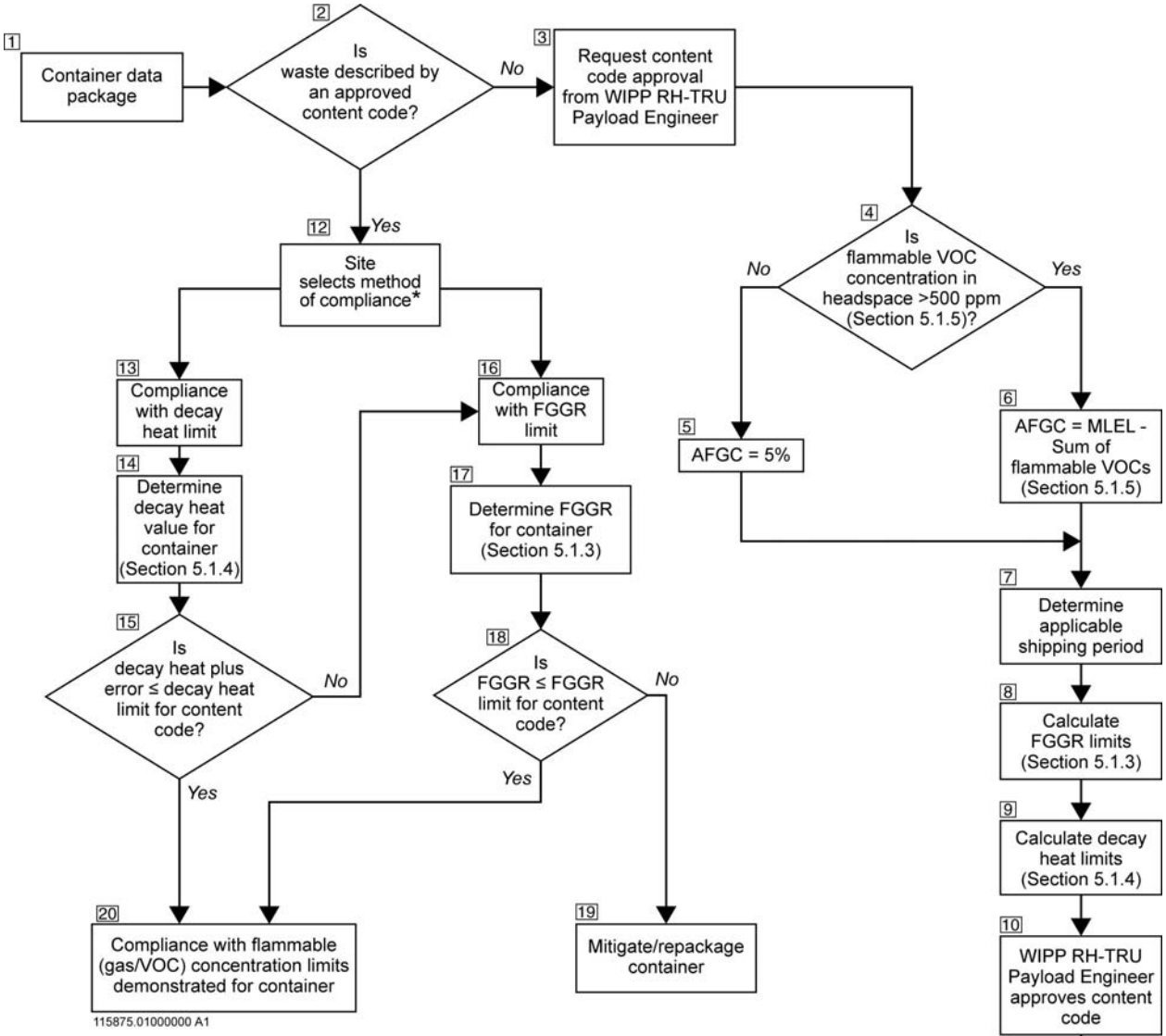
5.1.2 Methods of Compliance and Verification

Compliance with flammable (gas/VOC) limits may be demonstrated through the evaluation of compliance with either a decay heat or flammable gas generation rate (FGGR) limit per container specified in approved RH-TRUCON codes. If a container meets either the applicable decay heat limit or the FGGR limit, compliance with the flammable

(gas/VOC) limits is ensured. The implementation of the compliance methods for flammable (gas/VOC) concentration limits is described in Appendix 2.5 of the *RH-TRU Payload Appendices*. The WIPP RH-TRU Payload Engineer uses the methodology described in Appendix 2.5 to determine gas generation limits for all RH-TRU waste shipments. The methodology described in Appendix 2.5 is detailed below and illustrated in Figure 5.1-1, Methodology for Compliance with Flammable (Gas/VOC) Concentration Limits.

CCP reports applicable information to the WWIS/WDS in accordance with CCP-TP-530. The RH-TRUCON code specifies the applicable wattage/FGGR limits determined by the required calculations of Sections 5.1.3 and 5.1.4 and the associated appendices. The CCP TCO reviews and verifies compliance with wattage/FGGR limits for the assigned RH-TRUCON code on the PTCD in accordance with CCP-TP-507, as applicable. Sections 5.1.3 and 5.1.4 define the compliance in more detail.

Figure 5.1-1. Methodology for Compliance with Flammable (Gas/VOC) Concentration Limits



AFGC = Allowable flammable gas concentration
FGGR = flammable gas generation rate
MLEL = mixture lower explosive limit
ppm = parts per million
RH-TRU = remote-handled transuranic
VOC = volatile organic compound

* If decay heat limit is not defined for content code, compliance with FGGR limit must be evaluated.

Compliance with Flammable (Gas/VOC) Concentration Limits

Figure 5.1-1 presents the logic for performing the compliance evaluation for flammable (gas/VOC) concentration limits, which consists of the following steps:

Step 1, Container data package – The starting point for compliance evaluation is the waste container data package, which includes all data associated with the waste container. These data are gathered from one or more of the methods of payload compliance listed and defined in Section 1.4 (i.e., VE, visual inspection, radiography, records and database information, administrative and procurement controls, measurement, and sampling program).

Step 2, Is waste described by an approved RH-TRUCON code? – Each RH-TRU waste canister must have a RH-TRUCON code approved by the WIPP RH-TRU Payload Engineer to be eligible for shipment. If the container is accurately described by an approved RH-TRUCON code, the container shall be assigned to the RH-TRUCON code and the compliance evaluation shall proceed to **Step 12, Site selects method of compliance.** If the container is not described by an approved RH-TRUCON code, proceed to **Step 3, Request RH-TRUCON code approval from WIPP RH-TRU Payload Engineer**.

Step 3, Request RH-TRUCON code approval from WIPP RH-TRU Payload Engineer – The site must request the revision or addition of a RH-TRUCON code by submitting a request in writing to the WIPP RH-TRU Payload Engineer as described in Section 1.5. Data necessary to complete each of the required RH-TRUCON code elements specified in Section 1.5.1 must be provided by the site as part of this request. Under the direction of the WIPP RH-TRU Payload Engineer, the request will be reviewed for completeness and satisfactory demonstration of compliance with all transportation requirements of the RH-TRAMPAC. The process of requesting RH-TRUCON code approval proceeds to **Step 4, Is flammable VOC concentration in headspace >500 parts per million (ppm)?**

Step 4, Is flammable VOC concentration in headspace >500 ppm? – The concentration of flammable VOCs present in the headspace of a container may be determined as described in Section 5.1.5. If it can be determined based on available data that no flammable VOCs are present in the container, or if it can be established that the total flammable VOC concentration in the container headspace is less than or equal to 500 ppm (i.e., VOC contribution to flammability is expected to be negligible), proceed to **Step 5, Allowable Flammable Gas Concentration is 5 Percent**. This is expected to be true for the majority of RH-TRU wastes based on the waste generation processes and the absence of wastes with significant quantities of VOCs (e.g., solidified organic solvents). However, if the concentration of flammable VOCs in the container cannot be established to be less than or equal to 500 ppm, proceed to **Step 6, Allowable Flammable Gas Concentration is Mixture Lower Explosive Limit minus sum of flammable VOCs**.

Step 5, Allowable Flammable Gas Concentration is 5 Percent - For containers with flammable VOC concentrations less than or equal to 500 ppm in the headspace, the allowable flammable gas concentration (AFGC) is equal to 5 percent hydrogen. Proceed to **Step 7, Determine applicable shipping period**.

Step 6, Allowable Flammable Gas Concentration is Mixture Lower Explosive Limit minus sum of flammable VOCs – For containers with flammable VOC concentrations greater than 500 ppm in the headspace, the AFGC must be adjusted (reduced from 5 percent hydrogen) to account for the total flammable VOC concentration. As described in Section 5.1.5, a specific mixture lower explosive limit (MLEL) shall be calculated for the container. The reduced AFGC is then calculated as the MLEL minus the sum of flammable VOCs in the container headspace. Following the calculation of the reduced AFGC, proceed to **Step 7, Determine applicable shipping period**.

Step 7, Determine applicable shipping period – The conditions specified in Appendix 2.4 of the *RH-TRU Payload Appendices* must be met for use of the 10-day Controlled Shipment shipping period. For other shipments (not Controlled Shipments), a 60-day shipping period (Appendix 2.3 of the *RH-TRU Payload Appendices*) shall be applied. The requirements for the use of the Controlled Shipment (10 days) shipping period shall be met by administrative and procedural controls as specified in Appendix 2.4 of the *RH-TRU Payload Appendices* and Section 6.2.3, Shipments Designated as Controlled Shipments. Following the selection of either the 10- or 60-day shipping period, proceed to **Step 8, Calculate FGGR limits**.

Step 8, Calculate FGGR limits – As described in Section 5.1.3, the FGGR limits for the RH-TRUCON code shall be calculated. Following the calculation of the FGGR limits, proceed to **Step 9, Calculate decay heat limits**.

Step 9, Calculate decay heat limits – As described in Section 5.1.4, the decay heat limits for the RH-TRUCON code shall be calculated. Following the calculation of the decay heat limits, proceed to **Step 10, WIPP RH-TRU Payload Engineer approves RH-TRUCON code**.

Step 10, WIPP RH-TRU Payload Engineer approves RH-TRUCON code – If compliance with all other transportation requirements of the RH-TRAMPAC have been demonstrated, the WIPP RH-TRU Payload Engineer shall approve the RH-TRUCON code and send formal written notification to the site indicating the approval of the request. Upon receipt of official notification of RH-TRUCON code approval from the WIPP RH-TRU Payload Engineer, the compliance evaluation shall proceed to **Step 11, Re-evaluate container**.

Step 11, Re-evaluate container – The container shall be re-evaluated beginning with **Step 2, Is waste described by an approved RH-TRUCON code?**

Step 12, Site selects method of compliance – Compliance with flammable (gas/VOC) limits may be demonstrated through the evaluation of compliance with either the decay heat or FGGR limit per container specified in approved RH-TRUCON codes. If compliance will be demonstrated by meeting the decay heat limit, the evaluation shall proceed to **Step 13, Compliance with decay heat limit**. If compliance will be demonstrated by meeting the FGGR limit, the evaluation shall proceed to **Step 16, Compliance with FGGR limit**.

Step 13, Compliance with decay heat limit – The compliance evaluation using the decay heat limit specified in the assigned RH-TRUCON code shall proceed to **Step 14, Determine decay heat value for container**.

Step 14, Determine decay heat value for container – The site shall determine the decay heat value for the container as described in Section 5.1.4. Following the determination of the decay heat value for the container, the compliance evaluation shall proceed to **Step 15, Is decay heat plus error ≤ decay heat limit for RH-TRUCON code?**

Step 15, Is decay heat plus error ≤ decay heat limit for RH-TRUCON code? – Compliance with the applicable decay heat limit specified by the assigned RH-TRUCON code is evaluated. If the container exceeds the decay heat limit, the compliance evaluation shall proceed to **Step 16, Compliance with FGGR limit**. If the container meets the decay heat limit, the flammable (gas/VOC) limits are met, and the compliance evaluation is complete (see **Step 20, Compliance with flammable (gas/VOC) concentration limits demonstrated for container**).

Step 16, Compliance with FGGR limit – The compliance evaluation using the FGGR limit specified in the assigned RH-TRUCON code shall proceed to **Step 17, Determine FGGR for container**.

Step 17, Determine FGGR for container – The site shall determine the FGGR value for the container as described in Section 5.1.3. Following the determination of the FGGR value for the container, the compliance evaluation shall proceed to **Step 18, Is FGGR ≤ FGGR limit for RH-TRUCON code?**

Step 18, Is FGGR ≤ FGGR limit for RH-TRUCON code? - Compliance with the applicable FGGR limit specified by the assigned RH-TRUCON code is evaluated. If the container exceeds the FGGR limit, the compliance evaluation shall proceed to **Step 19, Mitigate/repackage container**. If the container meets the FGGR limit, the flammable (gas/VOC) limits are met and the compliance evaluation is complete (see **Step 20, Compliance with flammable (gas/VOC) concentration limits demonstrated for container**).

Step 19, Mitigate/repackage container – If the container cannot be shown to meet the applicable decay heat limit or FGGR limit, the container is not eligible for shipment and must be segregated for repackaging, treatment, or other mitigation measures. Following the completion of mitigation measures, the compliance evaluation shall proceed to **Step 1, Container data package**.

Step 20, Compliance with flammable (gas/VOC) concentration limits demonstrated for container – All containers reaching this step meet the flammable (gas/VOC) limits and are eligible for shipment if all other transportation requirements are satisfied.

5.1.3 Flammable Gas Generation Rates

Compliance with the flammable (gas/VOC) limits can be demonstrated by meeting an FGGR limit. The 5 percent limit on hydrogen concentration may be converted into limits on the FGGR for each RH-TRUCON code. FGGR limits are specified in approved RH-TRUCON codes. If it can be shown for a given waste container that the applicable FGGR limit specified by the assigned RH-TRUCON code can be met, the hydrogen concentration will remain below 5 percent under transportation conditions.

The FGGR limits for each RH-TRUCON code are calculated using numerical solutions to differential equations that describe the unsteady-state mass balances on hydrogen within each confinement volume of the RH-TRU 72-B payload. The FGGR that will yield a hydrogen concentration of 5 percent volume within the innermost layer of confinement is calculated using an iterative scheme described in Appendix 2.5 of the *RH-TRU Payload Appendices.*

The determination of the FGGR limits requires the quantification of the following parameters for each RH-TRUCON code, which are part of the data provided to the WIPP RH-TRU Payload Engineer by the site in requesting a RH-TRUCON code:

- Waste packaging configuration (i.e., number and type of confinement layers)
- Confinement layer descriptions
- Void volume inside each confinement layer and in the RH-TRU 72-B IV outside the RH-TRU waste canister available for gas accumulation
- Duration of the shipping period.

The actual FGGR for a container is obtained using the methodology described in Appendix 3.1 of the *RH-TRU Payload Appendices*. The actual FGGR is compared to the FGGR limit for the RH-TRUCON code. An example of the derivation of the FGGR limits for a RH-TRUCON code and the evaluation of compliance is provided in Appendix 2.5 of the *RH-TRU Payload Appendices*.

Typically, CCP utilizes the compliance methodology described for Decay Heat Limits (Section 5.1.4) to demonstrate compliance with flammable (gas/VOC) concentration limits. At times, CCP may utilize the compliance methodology described for FGGR limits for solid waste forms in which headspace gas sampling and analysis information is the measurement technique required to calculate actual FGGR for a container. In these cases, CCP uses approved headspace gas sampling and analysis procedures to measure the hydrogen concentration in the container headspace. Applicable information is reported to the WWIS/WDS in accordance with CCP-TP-530. The RH-TRUCON code specifies the applicable FGGR limits determined by the required calculations of this section and the associated appendices. The CCP TCO reviews and verifies compliance with FGGR limits for the assigned RH-TRUCON code on the PTCD in accordance with CCP-TP-507, as applicable.

5.1.4 Decay Heat Limits

Compliance with the flammable (gas/VOC) limits can be demonstrated by meeting a decay heat limit. Because radiolysis of the TRU waste materials is the primary mechanism by which hydrogen is generated, the 5 percent limit on hydrogen concentration may be converted into limits on the decay heat for each RH-TRUCON code. Decay heat limits are specified in approved RH-TRUCON codes. If it can be shown for a given waste container that the applicable decay heat limit specified by the assigned RH-TRUCON code can be met, the hydrogen concentration will remain below 5 percent under transportation conditions.

As described in Appendix 2.5 of the *RH-TRU Payload Appendices*, decay heat limits for each RH-TRUCON code are calculated from the FGGR limits for the RH-TRUCON code (see Section 5.1.3) and the following parameters:

- G value (gas generation potential) of the waste: Appendix 2.2 of the *RH-TRU Payload Appendices* describes the determination of the G value based on the composition of the waste for each RH-TRUCON code. Appendix 2.5 of the

RH-TRU Payload Appendices describes the use of dose-dependent G values and the methodology for evaluating compliance with the watt*year criterion of >0.012 watt* year for the use of dose-dependent G values.

- Waste density and RH-TRU waste canister geometry
- Isotopic composition
- Fraction of the gamma energy absorbed by waste materials that could potentially generate hydrogen.

The methodology for calculating decay heat limits uses the RadCalc program (see Appendix 2.5 of the *RH-TRU Payload Appendices*), which employs a decay algorithm to calculate the activity of a radionuclide and its associated daughter products using the ORIGEN database. The RadCalc program performs decay and in-growth calculations and calculates the isotopic composition and decay heat of a container at the end of a user specified decay time. The total activity is adjusted until the RadCalc-calculated hydrogen gas generation rate is equal to the applicable FGGR limit for the RH-TRUCON code calculated through the methodology described in Appendix 2.5 of the *RH-TRU Payload Appendices*. The corresponding decay heat calculated by RadCalc then defines the decay heat limit for the container.

The actual decay heat for a container is determined by calculations using the isotopic inventory information for fissile and non-fissile TRU radionuclides and for any non-TRU radionuclides that may be present in the waste. Decay heats and specific activities for many radionuclides are shown in Table 5.1-1. Acceptable methods for determining the isotopic composition and the quantity of radionuclides necessary for the calculation of decay heat values are discussed in Section 3.1. The decay heat of each radionuclide contributing more than 1 percent of the total decay heat of the container shall be calculated. Isotopes present in trace amounts (contributing less than 1 percent to the total decay heat for the container) do not need to be accounted for in the calculation of total decay heat of the container. The total quantity of these trace isotopes shall not exceed 5 percent by contribution of the decay heat to the total decay heat for the container.

The actual decay heat plus error (i.e., one standard deviation) is compared to the decay heat limit for the RH-TRUCON code. If multiple decay heat values must be considered (e.g., if the RH-TRU waste canister contains inner containers for which individual decay heat values and associated error values are determined), the total

decay heat value for the RH-TRU waste canister shall be determined by summing the individual decay heat values. The total decay heat error is calculated as the square root of the sum of the squares of the individual decay heat error values. An example of the derivation of the decay heat limits for a RH-TRUCON code and the evaluation of compliance is provided in Appendix 2.5 of the *RH-TRU Payload Appendices*.

CCP uses approved radionuclide measurement methods performed on the contents of each RH-TRU 72-B waste canister to quantitate the activity and mass of the radionuclides contained in the RH-TRU waste canister. These measurement results are used to calculate the total decay heat and error (i.e., uncertainty) for the canister. Applicable information is reported to the WWIS/WDS in accordance with CCP-TP-530. The RH-TRUCON code specifies the applicable decay heat limits determined by the required calculations of this section and the associated appendices. The CCP TCO reviews and verifies compliance with decay heat limits for the assigned RH-TRUCON code on the PTCD in accordance with CCP-TP-507, as applicable.

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
H	3	1	0.00E+00	0.00E+00	3.28E-01	9.76E+03
Be	10	4	0.00E+00	0.00E+00	2.68E-05	2.24E-02
C	14	6	0.00E+00	0.00E+00	1.32E-03	4.51E+00
Na	22	11	0.00E+00	0.00E+00	8.94E+01	6.32E+03
P	32	15	0.00E+00	0.00E+00	1.19E+03	2.89E+05
P	33	15	0.00E+00	0.00E+00	2.33E+02	1.58E+05
S	35	16	0.00E+00	0.00E+00	1.23E+01	4.26E+04
Ca	45	20	0.00E+00	0.00E+00	8.12E+00	1.78E+04
Sc	46	21	0.00E+00	0.00E+00	4.25E+02	3.38E+04
V	49	23	0.00E+00	0.00E+00	2.06E-01	8.08E+03
Cr	51	24	0.00E+00	0.00E+00	1.95E+01	9.24E+04
Mn	54	25	0.00E+00	0.00E+00	3.88E+01	7.82E+03
Fe	55	26	0.00E+00	0.00E+00	8.49E-02	2.44E+03
Fe	59	26	0.00E+00	0.00E+00	3.80E+02	4.92E+04
Co	57	27	0.00E+00	0.00E+00	7.29E+00	8.55E+03
Co	58	27	0.00E+00	0.00E+00	1.91E+02	3.18E+04
Co	60	27	0.00E+00	0.00E+00	1.76E+01	1.14E+03
Ni	59	28	0.00E+00	0.00E+00	3.22E-06	8.08E-02
Ni	63	28	0.00E+00	0.00E+00	6.05E-03	5.98E+01
Cu	64	29	0.00E+00	0.00E+00	7.21E+03	3.89E+06
Zn	65	30	0.00E+00	0.00E+00	2.89E+01	8.24E+03
As	73	33	0.00E+00	0.00E+00	1.02E+01	2.25E+04
Se	79	34	0.00E+00	0.00E+00	2.18E-05	6.97E-02
Kr	85	36	0.00E+00	0.00E+00	5.94E-01	3.97E+02
Rb	86	37	0.00E+00	0.00E+00	3.71E+02	8.22E+04
Rb	87	37	0.00E+00	0.00E+00	7.32E-11	8.75E-08
Sr	89	38	0.00E+00	0.00E+00	1.01E+02	2.94E+04
Sr	90	38	0.00E+00	0.00E+00	1.60E-01	1.38E+02
Y	88	39	0.00E+00	0.00E+00	2.24E+02	1.41E+04
Y	90	39	0.00E+00	0.00E+00	3.01E+03	5.44E+05
Y	90m	39	0.00E+00	0.00E+00	4.40E+04	1.09E+07
Y	91	39	0.00E+00	0.00E+00	8.83E+01	2.45E+04
Zr	88	40	0.00E+00	0.00E+00	4.46E+01	1.80E+04
Zr	90	40	0.00E+00	0.00E+00	N/A[6]	N/A[6]
Zr	90m	40	0.00E+00	0.00E+00	2.13E+09	1.55E+11
Zr	93	40	0.00E+00	0.00E+00	7.29E-07	2.51E-03
Zr	95	40	0.00E+00	0.00E+00	1.10E+02	2.17E+04

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides (Continued)

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
Nb	93m	41	0.00E+00	0.00E+00	5.01E-02	2.83E+02
Nb	94	41	0.00E+00	0.00E+00	1.91E-03	1.87E-01
Nb	95	41	0.00E+00	0.00E+00	1.87E+02	3.91E+04
Nb	95m	41	0.00E+00	0.00E+00	6.11E+02	3.81E+05
Tc	99	43	0.00E+00	0.00E+00	8.49E-06	1.70E-02
Tc	99m	43	0.00E+00	0.00E+00	4.31E+03	5.27E+06
Ru	103	44	0.00E+00	0.00E+00	1.05E+02	3.26E+04
Ru	106	44	0.00E+00	0.00E+00	2.00E-01	3.38E+03
Rh	103m	45	0.00E+00	0.00E+00	7.55E+03	3.25E+07
Rh	106	45	0.00E+00	0.00E+00	6.74E+07	3.56E+09
Pd	107	46	0.00E+00	0.00E+00	2.83E-08	5.14E-04
Ag	108	47	0.00E+00	0.00E+00	2.74E+06	7.35E+08
Ag	108m	47	0.00E+00	0.00E+00	2.53E-01	2.61E+01
Ag	109m	47	0.00E+00	0.00E+00	1.32E+06	2.61E+09
Ag	110	47	0.00E+00	0.00E+00	3.01E+07	4.17E+09
Ag	110m	47	0.00E+00	0.00E+00	7.99E+01	4.80E+03
Cd	109	48	0.00E+00	0.00E+00	1.68E+00	2.61E+03
Cd	113m	48	0.00E+00	0.00E+00	2.34E-01	2.17E+02
Cd	115m	48	0.00E+00	0.00E+00	9.59E+01	2.55E+04
In	114	49	0.00E+00	0.00E+00	6.32E+06	1.38E+09
In	114m	49	0.00E+00	0.00E+00	3.23E+01	2.31E+04
In	115m	49	0.00E+00	0.00E+00	1.26E+04	6.34E+06
Sn	119m	50	0.00E+00	0.00E+00	2.38E+00	4.48E+03
Sn	121m	50	0.00E+00	0.00E+00	1.44E-02	5.91E+01
Sn	123	50	0.00E+00	0.00E+00	2.58E+01	8.22E+03
Sn	126	50	0.00E+00	0.00E+00	3.06E-05	2.84E-02
Sb	124	51	0.00E+00	0.00E+00	2.32E+02	1.75E+04
Sb	125	51	0.00E+00	0.00E+00	3.27E+00	1.04E+03
Sb	126	51	0.00E+00	0.00E+00	1.54E+03	8.36E+04
Sb	126m	51	0.00E+00	0.00E+00	1.01E+06	7.85E+07
Te	123	52	0.00E+00	0.00E+00	6.50E-17	4.85E-12
Te	123m	52	0.00E+00	0.00E+00	1.31E+01	8.87E+03
Te	125m	52	0.00E+00	0.00E+00	1.57E+01	1.80E+04
Te	127	52	0.00E+00	0.00E+00	3.59E+03	2.64E+06
Te	127m	52	0.00E+00	0.00E+00	5.21E+00	9.43E+03
Te	129	52	0.00E+00	0.00E+00	7.48E+04	2.09E+07
Te	129m	52	0.00E+00	0.00E+00	5.42E+01	3.01E+04

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides (Continued)

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
I	125	53	0.00E+00	0.00E+00	6.38E+00	1.76E+04
I	129	53	0.00E+00	0.00E+00	9.34E-08	1.79E-04
I	131	53	0.00E+00	0.00E+00	4.23E+02	1.25E+05
Cs	134	55	0.00E+00	0.00E+00	1.33E+01	1.31E+03
Cs	135	55	0.00E+00	0.00E+00	3.82E-07	1.15E-03
Cs	137	55	0.00E+00	0.00E+00	9.74E-02	8.80E+01
Ba	133	56	0.00E+00	0.00E+00	6.82E-01	2.53E+02
Ba	137	56	0.00E+00	0.00E+00	N/A[6]	N/A[6]
Ba	137m	56	0.00E+00	0.00E+00	2.12E+06	5.38E+08
Ce	141	58	0.00E+00	0.00E+00	4.19E+01	2.88E+04
Ce	142	58	0.00E+00	0.00E+00	0.00E+00	2.40E-08
Ce	144	58	0.00E+00	0.00E+00	2.14E+00	3.22E+03
Pr	143	59	0.00E+00	0.00E+00	1.26E+02	6.73E+04
Pr	144	59	0.00E+00	0.00E+00	5.54E+05	7.56E+07
Pr	144m	59	0.00E+00	0.00E+00	6.22E+04	1.81E+08
Pm	146	61	0.00E+00	0.00E+00	2.22E+00	4.43E+02
Pm	147	61	0.00E+00	0.00E+00	3.44E-01	9.38E+02
Pm	148	61	0.00E+00	0.00E+00	1.26E+03	1.64E+05
Pm	148m	61	0.00E+00	0.00E+00	2.73E+02	2.14E+04
Sm	146	62	0.00E+00	0.00E+00	3.47E-07	2.38E-05
Sm	147	62	0.00E+00	0.00E+00	3.04E-10	2.30E-08
Sm	151	62	0.00E+00	0.00E+00	3.10E-03	2.66E+01
Eu	150	63	0.00E+00	0.00E+00	5.95E-01	6.46E+01
Eu	152	63	0.00E+00	0.00E+00	1.35E+00	1.78E+02
Eu	154	63	0.00E+00	0.00E+00	2.39E+00	2.67E+02
Eu	155	63	0.00E+00	0.00E+00	3.42E-01	4.70E+02
Gd	152	64	0.00E+00	0.00E+00	2.77E-13	2.18E-11
Gd	153	64	0.00E+00	0.00E+00	2.96E+00	3.53E+03
Tb	160	65	0.00E+00	0.00E+00	9.24E+01	1.13E+04
Ho	166m	67	0.00E+00	0.00E+00	1.99E-02	1.80E+00
Tm	168	69	0.00E+00	0.00E+00	8.39E+01	8.44E+03
Ta	182	73	0.00E+00	0.00E+00	5.60E+01	6.31E+03
Au	198	79	0.00E+00	0.00E+00	1.51E+03	2.45E+05
Tl	207	81	0.00E+00	0.00E+00	5.58E+05	1.90E+08
Tl	208	81	0.00E+00	0.00E+00	6.93E+06	2.95E+08
Tl	209	81	0.00E+00	0.00E+00	8.58E+06	4.16E+08

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides (Continued)

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
Pb	209	82	0.00E+00	0.00E+00	5.32E+03	4.54E+06
Pb	210	82	0.00E+00	0.00E+00	1.96E-02	7.72E+01
Pb	211	82	0.00E+00	0.00E+00	7.61E+04	2.47E+07
Pb	212	82	0.00E+00	0.00E+00	2.64E+03	1.39E+06
Pb	214	82	0.00E+00	0.00E+00	1.49E+05	3.28E+07
Bi	207	83	0.00E+00	0.00E+00	5.34E-01	5.48E+01
Bi	210	83	0.00E+00	0.00E+00	2.86E+02	1.24E+05
Bi	211	83	0.00E+00	0.00E+00	1.64E+07	4.18E+08
Bi	212	83	0.00E+00	0.00E+00	2.42E+05	1.47E+07
Bi	213	83	0.00E+00	0.00E+00	7.64E+04	1.93E+07
Bi	214	83	0.00E+00	0.00E+00	7.25E+05	4.41E+07
Po	209	84	0.00E+00	0.00E+00	4.94E+00	1.68E+01
Po	210	84	0.00E+00	0.00E+00	1.45E+02	4.54E+03
Po	211	84	0.00E+00	0.00E+00	4.58E+09	1.04E+11
Po	212	84	0.00E+00	0.00E+00	9.24E+15	1.77E+17
Po	213	84	0.00E+00	0.00E+00	6.26E+14	1.26E+16
Po	214	84	0.00E+00	0.00E+00	1.46E+13	3.21E+14
Po	215	84	0.00E+00	0.00E+00	1.29E+12	2.95E+13
Po	216	84	0.00E+00	0.00E+00	1.40E+10	3.48E+11
Po	218	84	0.00E+00	0.00E+00	9.90E+06	2.78E+08
At	211	85	0.00E+00	0.00E+00	3.05E+04	2.06E+06
At	217	85	0.00E+00	0.00E+00	6.74E+10	1.61E+12
Rn	219	86	0.00E+00	0.00E+00	5.30E+08	1.30E+10
Rn	220	86	0.00E+00	0.00E+00	3.44E+07	9.22E+08
Rn	222	86	0.00E+00	0.00E+00	5.01E+03	1.54E+05
Fr	221	87	0.00E+00	0.00E+00	6.71E+06	1.77E+08
Fr	223	87	0.00E+00	0.00E+00	1.10E+05	3.87E+07
Ra	223	88	0.00E+00	0.00E+00	1.83E+03	5.18E+04
Ra	224	88	0.00E+00	0.00E+00	5.37E+03	1.59E+05
Ra	225	88	0.00E+00	0.00E+00	2.78E+01	3.92E+04
Ra	226	88	0.00E+00	0.00E+00	2.88E-02	1.00E+00
Ra	228	88	0.00E+00	0.00E+00	2.76E-02	2.76E+02
Ac	225	89	0.00E+00	0.00E+00	1.99E+03	5.80E+04
Ac	227	89	0.00E+00	0.00E+00	3.68E-02	7.32E+01
Ac	228	89	0.00E+00	0.00E+00	1.80E+04	2.24E+06

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides (Continued)

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
Th	227	90	0.00E+00	0.00E+00	1.11E+03	3.07E+04
Th	228	90	0.00E+00	0.00E+00	2.71E+01	8.29E+02
Th	229	90	0.00E+00	0.00E+00	6.17E-03	2.13E-01
Th	230	90	0.00E+00	0.00E+00	5.75E-04	2.04E-02
Th	231	90	0.00E+00	0.00E+00	6.43E+02	5.32E+05
Th	232	90	0.00E+00	0.00E+00	2.68E-09	1.11E-07
Th	234	90	0.00E+00	0.00E+00	3.45E+00	2.32E+04
Pa	231	91	0.00E+00	0.00E+00	1.46E-03	4.78E-02
Pa	233	91	0.00E+00	0.00E+00	4.90E+01	2.08E+04
Pa	234	91	0.00E+00	0.00E+00	2.40E+04	2.00E+06
Pa	234m	91	0.00E+00	0.00E+00	3.40E+06	6.87E+08
U	232	92	0.00E+00	0.00E+00	6.93E-01	2.16E+01
U	233	92	9.00E-01	1.80E+00	2.84E-04	9.76E-03
U	234	92	0.00E+00	0.00E+00	1.82E-04	6.32E-03
U	235	92	6.43E-01	1.00E+00	6.04E-08	2.19E-06
U	236	92	0.00E+00	0.00E+00	1.78E-06	6.54E-05
U	237	92	0.00E+00	0.00E+00	1.64E+02	8.25E+04
U	238	92	0.00E+00	0.00E+00	8.62E-09	3.40E-07
U	239	92	0.00E+00	0.00E+00	1.69E+05	3.35E+07
U	240	92	0.00E+00	0.00E+00	1.17E+03	9.26E+05
Np	237	93	1.50E-02	3.00E-02	2.09E-05	7.13E-04
Np	238	93	0.00E+00	0.00E+00	1.49E+03	2.59E+05
Np	239	93	0.00E+00	0.00E+00	5.87E+02	2.32E+05
Np	240	93	0.00E+00	0.00E+00	8.52E+04	1.27E+07
Np	240m	93	0.00E+00	0.00E+00	9.98E+05	1.08E+08
Pu	236	94	0.00E+00	0.00E+00	1.87E+01	5.37E+02
Pu	238	94	1.13E-01	2.25E-01	5.73E-01	1.73E+01
Pu	239	94	1.00E+00	2.00E+00	1.95E-03	6.29E-02
Pu	240	94	2.25E-02	4.50E-02	7.16E-03	2.30E-01
Pu	241	94	2.25E+00	4.50E+00	3.31E-03	1.04E+02
Pu	242	94	7.50E-03	1.50E-02	1.17E-04	3.97E-03
Pu	243	94	0.00E+00	0.00E+00	5.38E+03	2.60E+06
Pu	244	94	0.00E+00	0.00E+00	5.22E-07	1.79E-05
Am	241	95	1.87E-02	3.75E-02	1.16E-01	3.47E+00
Am	242	95	0.00E+00	0.00E+00	9.38E+02	8.08E+05
Am	242m	95	3.46E+01	6.92E+01	4.32E-03	9.83E+00
Am	243	95	1.29E-02	2.57E-02	6.49E-03	2.02E-01

Table 5.1-1. Pu-239 Fissile Gram Equivalent, U-235 Fissile Equivalent Mass, Decay Heat, and Specific Activity of Selected Radionuclides (Continued)

NUCLIDE		SPECIFIC ATOMIC NUMBER	Pu-239 FGE[1,2]	U-235 FEM[1,2,3]	DECAY HEAT[4] (W/g)	SPECIFIC ACTIVITY[5] (Ci/g)
Am	245	95	0.00E+00	0.00E+00	2.12E+04	6.24E+06
Cm	240	96	0.00E+00	0.00E+00	7.48E+02	2.01E+04
Cm	242	96	0.00E+00	0.00E+00	1.23E+02	3.35E+03
Cm	243	96	5.00E+00	1.00E+01	1.90E+00	5.22E+01
Cm	244	96	9.00E-02	1.80E-01	2.86E+00	8.18E+01
Cm	245	96	1.50E+01	3.00E+01	5.77E-03	1.74E-01
Cm	246	96	0.00E+00	0.00E+00	1.02E-02	3.11E-01
Cm	247	96	5.00E-01	1.00E+00	2.98E-06	9.38E-05
Cm	248	96	0.00E+00	0.00E+00	5.53E-04	4.30E-03
Cm	250	96	0.00E+00	0.00E+00	1.59E-01	2.10E-01
Bk	247	97	0.00E+00	0.00E+00	3.69E-02	1.06E+00
Bk	249	97	0.00E+00	0.00E+00	3.24E-01	1.66E+03
Bk	250	97	0.00E+00	0.00E+00	3.34E+04	3.90E+06
Cf	249	98	4.50E+01	9.00E+01	1.54E-01	4.14E+00
Cf	250	98	0.00E+00	0.00E+00	4.12E+00	1.11E+02
Cf	251	98	9.00E+01	1.80E+02	5.89E-02	1.60E+00
Cf	252	98	0.00E+00	0.00E+00	4.06E+01	5.44E+02
Cf	254	98	0.00E+00	0.00E+00	9.10E-01	8.50E+03
Es	252	99	0.00E+00	0.00E+00	4.37E+01	1.11E+03
Es	253	99	0.00E+00	0.00E+00	9.91E+02	2.52E+04
Es	254	99	0.00E+00	0.00E+00	7.35E+01	1.88E+03
Es	254m	99	0.00E+00	0.00E+00	1.69E+03	3.14E+05

[1]ANSI/ANS 1981, "Nuclear Criticality Control of Special Actinide Elements," ANSI/ANS-8.15-1981, American National Standards Institute/American Nuclear Society, Washington, D.C.
[2]American National Standards Institute/American Nuclear Society (ANSI/ANS), 1998, "Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors," ANSI/ANS-8.1-1998, American National Standards Institute/American Nuclear Society, Washington, D.C.
[3]American National Standards Institute/American Nuclear Society (ANSI/ANS), 1987, "Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors," ANSI/ANS-8.12-1987, American National Standards Institute/American Nuclear Society, Washington, D.C.
[4] International Commission on Radiological Protection, 1983, "Radionuclide Transformations: Energy and Intensity of Emissions," Annals of the International Commission on Radiological Protection-38, Volumes 11-13, Pergamon Press, Oxford.
[5]Walker, F.W., Kiravac, G.J., and Rourke, F.M., 1983, Chart of the Nuclides, 13th Edition, Knolls Atomic Power Laboratories, Schenectady, NY.
[6]These isotopes are stable and thus have decay heats and specific activities of zero.

Ci/g = Curies per gram.
W/g = Watts per gram.

5.1.5 Flammable VOCs

For a given container, one of the following must be established in order to evaluate compliance with flammable (gas/VOC) limits (a list of flammable VOCs is provided in Table 5.1-2, Flammable VOCs).

- No flammable VOCs are present,
- Total flammable VOC concentration in the container headspace is less than or equal to 500 ppm, or
- Estimated concentration of flammable VOCs in the container headspace if greater than 500 ppm.

Table 5.1-2. Flammable VOCs

Acetone
Benzene
1-Butanol
Chlorobenzene
Cyclohexane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
Ethyl benzene
Ethyl ether
Methanol
Methyl ethyl ketone
Methyl isobutyl ketone
Toluene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Xylenes

The following methods may be used to estimate the total flammable VOC concentration in the container headspace. An upper bounding concentration of flammable VOCs may be applied to the waste using these methods.

- Establish that no flammable VOCs are present or establish the concentration of flammable VOCs in the waste (or container headspace) using records and database information. This may include taking credit for repackaging and/or segregation activities during waste generation.

- Using spot detection methods, establish the absence or the concentration of flammable VOCs (e.g., during waste generation, characterization, or packaging). Examples of spot detection methods include the use of flame ionization detectors, trace gas analyzers, and portable VOC monitors.

- Determine the concentration of potentially flammable VOCs by measuring the container headspace. Measurement of the container headspace may be performed on a statistical basis under a sampling program.

If the headspace concentration of potentially flammable VOCs is determined to be less than or equal to 500 ppm, the container is evaluated against flammable (gas/VOC) concentration limits calculated using an AFGC of 5 percent hydrogen.

If the concentration of potentially flammable VOCs is determined to be greater than 500 ppm in the headspace, the AFGC must be adjusted (i.e., reduced from the value of 5 percent volume) to account for the total concentration of flammable VOCs. The adjusted AFGC value is then used to calculate the FGGR and decay heat limits for the RH-TRUCON code using the methodology in Appendix 2.5 of the *RH-TRU Payload Appendices*. The methodology for calculating the adjusted AFGC value is as follows:

Calculate the MLEL within the innermost confinement layer by the flammable group method described in Appendix 3.2 of the *RH-TRU Payload Appendices* using the following equation:

$$MLEL = \frac{100\%}{\sum (f_i \, GCF_i)}$$

where,

MLEL = Mixture lower explosive limit (volume percent)

f_i = Fraction of flammable gas i in mixture on an air-free and nonflammable VOC free basis (i.e., the concentration of flammable compound i divided by the sum of the concentrations of flammable VOCs and hydrogen)

GCF_i = Group contribution factor for compound i. The group contribution factor values for various compounds are listed in Appendix 3.2 of the *RH-TRU Payload Appendices*.

Calculate the RH-TRUCON-code-specific AFGC as the difference between the MLEL and the sum of the flammable VOCs within the innermost confinement layer. This AFGC is used to determine FGGR and decay heat limits for the RH-TRUCON code.

CCP uses AK information to evaluate waste streams to determine if flammable VOCs may be present. Compliance with the flammable VOC requirements is achieved if adequate records/database information exists to demonstrate that no flammable VOCs are present in the waste stream or to establish a concentration of flammable VOCs in the waste (or container headspace). If AK information is unable to demonstrate compliance by itself, then VOC sampling and analysis is performed under a representative sampling program to determine the concentration of potentially flammable VOCs in the container headspace for a waste stream. Applicable information is reported to the WWIS/WDS in accordance with CCP-TP-530. The RH-TRUCON code specifies the applicable flammable (gas/VOC) concentration limits determined by the required calculations of this section and the associated appendices. The CCP TCO reviews and verifies on the PTCD that flammable VOCs in the container headspace are less than or equal to 500 ppm or, if not, the flammability assessment methodology program (in WWIS/WDS) was used to calculate applicable flammable (gas/VOC) concentration limits and for compliance evaluation.

5.2 Aspiration and Venting

RH-TRU waste is, in general, packaged and stored in vented containers prior to loading for transport in the RH-TRU 72-B. If containers have been stored in an unvented condition, they shall be aspirated to ensure equilibration of any gases that may have accumulated in the closed container prior to transport.

Newly generated waste is packaged in vented containers to obviate the need for aspiration and venting. Compliance with the aspiration and venting restrictions for previously packaged unvented containers is achieved by shipping waste under approved RH-TRUCON codes. Specifically, the existence of previously packaged unvented containers in a RH-TRUCON code is identified during the submittal and authorization process of the RH-TRUCON code. If applicable, the RH-TRUCON code specifies the aspiration and venting requirements. The CCP TCO reviews

and verifies compliance with aspiration requirements for the assigned RH-TRUCON code. Assignment of RH-TRUCON codes to canisters and verification of RH-TRUCON code compliance is performed in accordance with CCP-TP-530.

5.3 Pressure Limit

Pressure increase calculations that correspond to FGGR Limits provide a bounding assessment of pressure increase values (as opposed to the extremely conservative theoretical maximum value for the NewPaper content code [solid organic material] in Table 3.4-5 of the RH-TRU 72-B SAR, which corresponds to the design pressure limit). The FGGR limit will be maximized if no layers of confinement exist and the void volume is maximized by assuming the waste occupies no volume.

With no barriers to gas confinement, the maximum void volume corresponds to the internal volume of the inner vessel of 1,460 liters without waste. At the time the RH-TRU 72-B is sealed, through the ideal gas law this volume of gas corresponds to:

$$n_T = \frac{(1\text{atm})(1{,}460\,\text{liters})}{(0.08206\ \text{atm liters mole}^{-1}\text{K}^{-1})(294\text{K})}$$

n_T = 60.52 moles of gas

To comply with 5 percent hydrogen limit during an assumed 60-day shipping period, the allowable flammable gas generation rate (AFGGR) in the IV with no confinement layers is calculated as:

$$\text{AFGGR} = \frac{0.05\,(60.52)\,\text{mole hydrogen}}{60\ \text{days}\,(86400\,\text{sec/day})}$$

$$\text{AFGGR} = 5.837 \text{ x } 10^{-7} \text{ mole/sec}$$

Cellulose, which is the material with the highest ratio of net-to-flammable gas G value authorized for RH-TRU 72-B transport, has a net gas G value of 8.4 (molecules of hydrogen per 100 eV of energy absorbed) and a dose-dependent flammable gas G value of 1.09 molecules/100 eV. Using the G value of 1.09 molecules/eV, the maximum decay heat limit corresponding to the FGGR limit of 5.837 x 10^{-7} mol/sec is calculated as:

$$\text{Decay heat limit} = \frac{5.837 \text{ x } 10^{-7} \text{ mole/sec}}{(1.04 \text{ x } 10^{-5} \frac{\text{mole} * \text{eV}}{\text{molecule} * \text{watt} * \text{sec}})(1.09 \frac{\text{molecules}}{100 \text{ eV}})}$$

Decay heat limit = 5.149 watts

Using the above AFGGR (maximum possible FGGR limit), the maximum possible "radiolytic gas generation rate" can be calculated using the following formula:

$$CG_{total} = \left(\frac{G_{eff(T)}}{G} \right) \text{x FGGR}$$

where,

CG_{total}	=	Rate of total radiolytic gas generation (moles/second)
$G_{eff(T)}$	=	Temperature-corrected effective total gas G value (the total number of molecules of gas generated per 100 eV of energy absorbed [molecules/100 eV])
G	=	Flammable gas G value (molecules/100 eV)
FGGR	=	Flammable gas generation rate (moles/second)

The temperature-corrected effective G value can be calculated using Arrhenius equation (3) from Section 3.4.4.3 of the RH-TRU 72-B SAR.

$$G_{eff(T)} = G_{eff(RT)} e^{\left\{ \left[\frac{E_a}{R} \right] \left[\frac{T - T_{RT}}{(T)(T_{RT})} \right] \right\}}$$

where,

$G_{eff(RT)}$	=	Effective total gas G value at room temperature (RT) (the total number of molecules of gas generated per 100 eV of energy absorbed [molecules/100 Ev])
E_a	=	Activation energy for the target material (2.1 kcal/mole)
R	=	Ideal gas constant, (R = 1.99×10-3 kcal/mole kelvin [K])
T	=	Absolute temperature of the target material, average contents temperature (K)

T_{RT} = Absolute room temperature of 25 ºC (298 K).

The average contents temperature T can be calculated using the equation for paper waste in Section 2.5.4.1 of Appendix 2.5 of the RH-TRU Payload Appendices.

T = 1.08288 Q + 123.593

where,

Q = Decay heat (watts)

T = Average contents temperature (°F).

Therefore, at the decay heat limit of 5.149 watts, the average contents temperature is calculated to be 129.17 °F (327.13 K). The temperature-corrected effective total gas G value at 327.13 K is thus calculated as:

$$G_{eff(T)} = \left(8.4\frac{\text{molecules}}{100\text{ eV}}\right) e^{\left\{\left[\frac{2.1\frac{\text{kcal}}{\text{mole}}}{1.99\text{x}10^{-3}\frac{\text{kcal}}{\text{mole–K}}}\right]\left[\frac{327.13\text{K}-298\text{K}}{(327.13\text{K})\,(298\text{K})}\right]\right\}}$$

$$= \left(8.4\frac{molecules}{100\,eV}\right) e^{0.3153} = 11.5\frac{molecules}{100\,eV}$$

Therefore, the maximum possible total radiolytic gas generation rate (as a function of the maximum possible container FGGR limit) is calculated as:

$$CG_{total} = \left(\frac{11.5\frac{\text{molecules}}{100\,\text{eV}}}{1.09\frac{\text{molecules}}{100\text{ eV}}}\right) \text{x } 5.837 \text{ x } 10^{-7}\ \frac{\text{mole}}{\text{sec}}$$

$$= 6.158 \text{ x } 10^{-6}\ \frac{\text{mole}}{\text{sec}}$$

Using this maximum total radiolytic gas generation rate, the maximum possible FGGR-limited pressure at the end of the 60-day shipping period was calculated to be 31.10 psig, which is well below the design pressure limit.

Based on this bounding analysis, the payload will reach the 5 percent hydrogen limit before it reaches the design pressure limit of the RH-TRU 72-B. Because radiolysis is the primary mechanism for gas generation of

both flammable and total gas, compliance with the FGGR limit will always ensure compliance with the total gas generation rate limit for all solidified inorganic, solid inorganic, and solid organic RH-TRUCON codes. Solidified organic waste, for which this logic is not applicable, is not expected in RH-TRU waste.

6.0 PAYLOAD ASSEMBLY CRITERIA

This section presents an overview of the control procedures that shall be used by the sites in order to assemble a payload qualified for transport in the RH-TRU 72-B. The parameters described in previous sections shall be evaluated for selection of the payload. The RH-TRU waste canister ID number shall uniquely identify the canister. Each RH-TRU waste canister shall be assigned an approved RH-TRUCON code. Wherever applicable, the physical, nuclear, and gas generation parameters (weight, fissile material, and decay heat) shall be checked against the limits after addition of the measurement error, as detailed in previous sections. If any of the limits are not met by the canister, it shall be rejected from transport (subject to mitigation or repackaging), marked, and segregated.

6.1 Requirements

The RH-TRU 72-B payload shall be authorized for shipment by the site TCO by completing and signing the PTCD.

The shipping records shall be maintained by the shipper for a minimum period of three years after the shipment is made.

6.2 Methods of Compliance and Verification

6.2.1 Procedure for Certification of Individual RH-TRU Waste Canisters

Generating and storage sites shall qualify an individual RH-TRU waste canister for transport in the RH-TRU 72-B by verifying that the RH-TRU waste canister meets the parameter requirements/limits listed in Table 6.2-1, Payload Transportation Certification Document (PTCD). The information in Table 6.2-1 must be completed for each canister. Table 6.2-1 may be reformatted for site use. All parameters noted on the form must be included in modified versions. Data on the parameters shall be obtained by the methods outlined in this document. Table 6.2-1 shall be completed as follows (section numbers in parentheses refer to sections in the RH-TRAMPAC that provide requirement and compliance and verification information for the transportation parameter described).

Identification Parameters

- Canister Identification (ID) # (Section 2.3): The site-specific ID number is unique to each canister of waste and provides a means for tracking process data records and package history. These records on the properties of the canister are referred to as the data package. The canister ID number is assigned prior to loading the waste in the canister. Information necessary for transporting canisters is entered into the data package under this ID number.

- Certification Site: This is the location at which transportation certification takes place.

- Canister Designated for Controlled Shipment? (Section 5.1.2): Indicate if the canister is designated for controlled shipment in accordance with the controls specified in Appendix 2.4 of the *RH-TRU Payload Appendices*. If the canister is designated for controlled shipment, Table 6.2-2, Site Control Checklist for Controlled Shipments*, must also be completed as described in Section 6.2.3.

- RH-TRUCON Code (Section 1.5): The Site TCO shall ensure that the proper RH-TRUCON code is assigned to the RH-TRU waste canister. In some cases, the RH-TRU waste canister may be loaded with inner containers. Inner containers of different waste types with different bounding G values and resistances may be packaged together in an RH-TRU waste canister provided the decay heat limit and FGGR limit for all inner containers are conservatively assumed to be the same as that of the inner container with the lowest decay heat limit and FGGR limit specified by the applicable RH-TRUCON code. The RH-TRU waste canister shall be assigned the RH-TRUCON code with the most restrictive limits. Credit for the use of dunnage inside the RH-TRU waste canister is as described in Appendix 2.5 of the *RH-TRU Payload Appendices*.

- Canister Type (Section 2.8): Identify the canister type as fixed lid, removable lid, NS15, or NS30.

- Filter Specifications of Section 2.4 are met: Compliance with the filter specifications in Section 2.4, if applicable, shall be ensured.

Inner Containers

- Filter Specifications of Section 2.4 are met: Compliance with the filter specifications in Section 2.4, if applicable, shall be ensured for containers packaged within the RH-TRU waste canister.

Transportation Parameters

Compliance information for the transportation parameters shall be obtained from the data package for the RH-TRU waste canister. The following criteria shall be met:

- Criteria:
  - Residual liquids are <1 percent of the RH-TRU waste canister volume (Section 2.5).
  - Sharp/heavy objects blocked/braced/suitably packaged (Section 2.6).
  - Radioactive and nonradioactive pyrophorics are <1 percent (weight) (Section 4.1).
  - Explosives are not present (Section 4.2).
  - Corrosives are not present (Section 4.2).
  - Pressurized containers and compressed gases are not present (Section 4.2).
  - Sealed containers that are >4 liters (nominal) are not present, except for solid inorganic waste packaged in metal (Section 2.7).
  - Flammable VOCs are ≤500 ppm in the container headspace (Section 5.1.5). (Note: If flammable VOCs are >500 ppm, the Flammability Assessment Methodology Program has been used [Appendix 3.2 of the *RH-TRU Payload Appendices*] and the assigned RH-TRUCON code reflects the resulting flammable [gas/VOC] concentration limits).
- Weight Limit (Section 2.2): The loaded weight of each canister is obtained from its data package. The canister weight plus error shall be compared to the applicable maximum allowable weight limit.

- Fissile Mass Limits (Section 3.1): Compliance with the fissile mass requirements shall be either by compliance with the Pu-239 FGE limit or by compliance with the U 235 FEM limit. NOTE: The U-235 FEM limit is not applicable to the neutron shielded canister. The Pu-239 FGE or U-235 FEM determined for the canister shall be recorded. If compliance with a Pu-239 FGE limit has been demonstrated, the canister FGE value plus two times the error (i.e., two standard deviations) shall be compared to the applicable limit. If it can be demonstrated that the fissile content of the canister is below 10 percent of the applicable FGE limit, the FGE value shall be reported as less than 10 percent of the limit (e.g., "<31.5 grams"). In this case, no error needs to be assigned (enter "NA" for error). If compliance with the U-235 FEM limit has been demonstrated, the fissile content of the canister plus two times the error (i.e., two standard deviations) shall be compared to the <0.96 percent U 235 FEM limit.

- Flammable (Gas/VOC) Concentration Limits (Section 5.1): Compliance with the 5 percent limit on hydrogen concentration shall be by one of two methods:

  - Compliance with Flammable Gas Generation Rate Limit (Section 5.1.3): If this method is used, the FGGR for the canister shall be determined according to the procedures described in Section 5.1.3. This FGGR shall be compared to the FGGR limit specified in the assigned RH-TRUCON code.

  - Compliance with Decay Heat Limit (Section 5.1.4): If this method is used, the decay heat for the canister shall be determined as described in Section 5.1.4. The decay heat plus error (i.e., one standard deviation) shall be compared to the decay heat limit specified in the assigned RH-TRUCON code. If the waste meets watt*year criteria as described in Appendix 2.5 of the *RH-TRU Payload Appendices*, the decay heat limit based on the dose-dependent G value specified in the assigned RH-TRUCON code shall be used.

- Radiation Dose Rate Limits (Section 3.2): Compliance with the dose rate requirements for NCT shall be by survey of the loaded package (see Section 6.2.2).

  Compliance with the HAC radiation dose rate limits shall be either by compliance with the General Payload Case limits or by compliance with the Controlled Self-Shielding Payload Case limits. NOTE: The Controlled Self-Shielding Payload case is not applicable to the neutron shielded canister. The sum of

partial fractions for radionuclides listed in Table 3.2-2 for canisters without neutron shielding and Table 3.2-3 for neutron shielded canisters and for radionuclides for which the limiting curie contents are calculated from the methodologies outlined in Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR shall be recorded. The recorded values shall be compared to the applicable limits (i.e., ≤ 1 for the sum of partial fractions for any combination of the radionuclides and ≤ 0.1 for the sum of partial fractions for radionuclides for which the limiting curie contents are calculated per Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR).

If the above requirements are met, proceed to Section 6.2.2.

6.2.2 Procedure for Certification of an RH-TRU 72-B Package

Compliance with the RH-TRU waste canister requirements ensures compliance with the RH-TRU 72-B packaging requirements, except for the weight and dose rate measurements for the loaded package. No additional controls, other than certifying the canister and meeting the weight and NCT dose rate requirements of Section 2.2 and Section 3.2, are needed for certifying the package for shipment. Compliance with the NCT dose rate limits for the loaded package shall be documented in accordance with approved procedures.

- RH-TRU 72-B OC Body ID No.: Record the ID number on the RH-TRU 72-B OC body.
- Shipment No.: Record the shipment number of the trailer.
- Date IV Closed: The date that the IV is closed shall be recorded.
- Time IV Closed: For canisters designated for controlled shipment only, the time that the IV is closed shall be recorded. For canisters not designated for controlled shipment, the time that the IV is closed need not be recorded (e.g., enter “NA” for time).
- Loaded Package Weight (Section 2.2): Ensure that the weight of the loaded RH-TRU 72-B does not exceed 45,000 pounds.

- Approved for Shipment: The CCP TCO shall verify that all of the requirements for the above transportation parameters are met as stated in this document. The CCP TCO shall sign and date the PTCD upon compliance, thereby authorizing the payload for shipment. If the requirements are not met, the canister is rejected (nonconformance disposition) and not qualified for shipment.

CCP implements the Procedure for Certification of Individual RH-TRU waste canisters (Section 6.2.1) and the Procedure for Certification of RH-TRU 72-B Package (Section 6.2.2) and completion of the associated PTCD (Table 6.2-1) through the execution of CCP-TP-530 and CCP-TP-507. Canister and package information is obtained and entered into a data entry spreadsheet. The data is then transmitted into the WWIS/WDS. The WWIS/WDS performs all calculations to verify the parameters identified in this document. The canister/package is only certified if all parameters are met. The CCP TCO uses the WWIS/WDS shipping module to generate the PTCD. The CCP TCO reviews the PTCD and verifies compliance with all of the applicable parameters prior to certification by signature. CCP uses the WWIS/WDS for all shipments.

6.2.3 Shipments Designated as Controlled Shipments

Compliance with the 10-day shipping period is administratively controlled in accordance with the conditions of Appendix 2.4 of the *RH-TRU Payload Appendices* and through the following steps. These steps must be completed by the CCP TCO, or designee, and the designated WIPP operations personnel, as applicable.

Loading Time

The loading time begins with the closure of the IV and ends with the departure of the shipment from the site. The loading time is limited to a maximum of 24 hours. The following steps must be completed to ensure compliance with the 24-hour loading time:

[A] Review PTCD to determine date and time that the IV closure was completed. Record date and time on the Site Control Checklist for Controlled Shipments shown in Table 6.2-2. Table 6.2-2 may be reformatted for site use provided that the same information is recorded.

[B] Note date and time that the shipment containing the loaded package is scheduled to depart the site. Record date and time on the Site Control Checklist for Controlled Shipments.

[C] Review dates and times recorded in Steps [A] and [B] to calculate total loading time. If total loading time is less than or equal to 24 hours, proceed to Step [D]. If total loading time exceeds 24 hours, the package must be vented for a period at least as long as the period the RH-TRU 72-B was sealed and the closure process must be repeated. Return to Step [A] above.

[D] Indicate compliance with the 24-hour loading time by signature on the Site Control Checklist for Controlled Shipments.

Transport and Unloading Time

The transport and unloading time begins with the departure of the shipment from the shipping site and ends with the venting of the package at the receiving site. The maximum transport and unloading time is nine days. The following steps must be completed to document compliance:

[E] Review Table 6.2-2 to determine the date and time that the package was scheduled to depart from the shipping site. Record this date and time on the Receiving Site Control Checklist for Controlled Shipments shown in Table 6.2-3, Receiving Site Control Checklist for Controlled Shipments*. Table 6.2-3 may be reformatted for site use provided that the same information is recorded.

[F] Using the date and time recorded in Step [E], ensure that the package is vented within nine days of the departure of the shipment from the shipping site by implementing the site unloading procedures specific to controlled shipments. Record date and time to show compliance. Operational procedures must be in place for unloading at the receiving site to ensure that the controlled shipments are not unattended beyond the maximum nine day transport and unloading time. If total transport and unloading time exceeds nine days, the shipment is noncompliant with the Certificate of Compliance for the applicable package and subject to the reporting requirements defined by 10 CFR §71.95.

[G] Indicate compliance with the nine-day transport and unloading time by signature on the Receiving Site Control Checklist for Controlled Shipments.

CCP executes shipments designated as ten-day controlled shipments in accordance with CCP-TP-507. CCP implements the requirements of Tables 6.2-2 and 6.2-3 through the use of CCP-TP-507 to control and document the loading and shipping times associated with controlled shipments.

Table 6.2-1. Payload Transportation Certification Document (PTCD)

IDENTIFICATION PARAMETERS

Canister ID #: _____ Certification Site: _____

Canister Designated for Controlled Shipment?[1] o Yes o No

RH-TRUCON Code: _____

Canister Type: o Fixed Lid
o Removable Lid

Filter specifications of Section 2.4 are met.

o NS15
o NS30

INNER CONTAINERS

Filter specifications of Section 2.4 are met.

TRANSPORTATION PARAMETERS

Criteria:

- Residual liquids are <1 percent of canister volume
- Sharp/heavy objects blocked/braced/suitably packaged
- Radioactive and nonradioactive pyrophorics are <1 percent (weight)
- Explosives are not present
- Corrosives are not present
- Pressurized containers and compressed gases are not present
- Sealed containers >4 liters (nominal) are not present (except for solid inorganic waste packaged in metal)
- Flammable VOCs are ≤500 ppm in the container headspace
    - o If not, the Flammability Assessment Methodology Program has been used to calculate flammable (gas/VOC) concentration limits

Weight Limit:

Value (pounds)	Error	Value + Error (pounds)	Limit (pounds)

Fissile Mass Limits: [2]				
Compliance Method	Value	Error	Value + 2X Error	Limit
Fissile mass (Pu-239 FGE) [2]				_____ Pu-239 FGE
Fissile mass (U-235 FEM) [2]				<0.96% U-235 FEM

Table 6.2-1. Payload Transportation Certification Document (PTCD) (Continued)

Flammable (Gas/VOC) Concentration Limits: [3]

Compliance with FGGR Limit: [3]

FGGR Value (mol/s)	FGGR Limit (mol/s)

Compliance with Decay Heat Limit: [3]

Time since waste packaging: _____

Does waste meet >0.012 watt*year criterion? o Yes o No

Decay Heat Value (watt)	Error	Value + Error (watt)	Decay Heat Limit (watt)

Radiation Dose Rate Limits: [4,5]

Compliance with Hypothetical Accident Conditions General Payload Case: [5]

Sum of partial fractions for any combination of the radionuclides (i.e., in Table 3.2-2 or Table 3.2-3 and/or those for which limiting curie contents calculated per Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR):

$$\sum_{i=1}^{n} \frac{a_i}{A_{GN_i}} = \_\_\_\_ \leq 1$$

Sum of partial fractions for radionuclides for which limiting curie contents calculated per Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR:

$$\sum_{i=1}^{n} \frac{a_i}{A_{GN_i}} = \_\_\_\_ \leq 0.1$$

Compliance with Hypothetical Accident Conditions Controlled Self-Shielding Payload Case: [5]

Sum of partial fractions for any combination of the radionuclides (i.e., in Table 3.2-2 and/or those for which limiting curie contents calculated per Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR):

$$\sum_{i=1}^{n} \frac{a_i}{15 x A_{GN_i}} = \_\_\_\_ \leq 1$$

Sum of partial fractions for radionuclides for which limiting curie contents calculated per Appendix 5.5.3 or Appendix 5.5.4 of the RH-TRU 72-B SAR:

$$\sum_{i=1}^{n} \frac{a_i}{15 x A_{GN_i}} = \_\_\_\_ \leq 0.1$$

RH-TRU 72-B PACKAGE

RH-TRU 72-B OC Body ID No. _____
Shipment No.: _____

Date IV Closed: _____ Time IV Closed: _____ [6]

Loaded package weight: _____ ≤ 45,000 pounds

APPROVED FOR SHIPMENT

I certify that the above RH-TRU 72-B packaging and contents meet the requirements for transport.

_____
CCP Transportation Certification Official

_____
Date

Table 6.2-1. Payload Transportation Certification Document (PTCD) (Continued)

[1]If the canister is designated for controlled shipment, Table 6.2-2 must also be completed for the shipment of this canister as specified in Section 6.2.3.
[2]Compliance with the fissile mass requirements shall be documented for either the Pu-239 FGE limit or the U-235 FEM limit. NOTE: The U-235 FEM limit is not applicable to the neutron shielded canister.
[3]Compliance with the flammable (gas/VOC) concentration limits shall be documented for either the FGGR limit or the decay heat limit.
[4]In addition, compliance with the dose rate requirements for normal conditions of transport (Section 3.2) shall be by survey of the loaded package.
[5]Compliance with the hypothetical accident conditions dose rate limits shall be documented for either the General Payload Case or the Controlled Self-Shielding Payload Case. NOTE: The Controlled Self-Shielding Payload Case is not applicable to the neutron shielded canister.
[6]Only required for canisters designated for controlled shipment (10-day shipping period).

Table 6.2-2. Site Control Checklist for Controlled Shipments*

Shipment No. _____ Packaging No._____

To be completed by CCP Transportation Certification Officer, or designee, for each package designated as a controlled shipment:

CCP RH-TRAMPAC Section No.	Activity	Recorded Date	Recorded Time	Completion of Activity (Indicate by checkmark [√])
6.2.3 [A]	Record date and time of IV closure			
6.2.3 [B]	Record date and time the shipment containing the loaded package is scheduled to depart from the site			
6.2.3 [C]	Calculate and record total **Loading Time** [Limit = 24 hours]			
	Total Loading Time ≤1 day, proceed to Section 6.2.3 [D]. *Total Loading Time >1 day,* ***STOP****. Vent package and repeat closure process.*			
6.2.3 [D]	I certify that the above data is accurate and compliant with the Loading Time limit of 24 hours, as specified in Section 6.2.3 of the RH-TRAMPAC. _____ / _____ CCP TRANSPORTATION CERTIFICATION OFFICIAL (OR DESIGNEE) DATE			

*Controlled shipments (10 days) shall be made in accordance with the conditions specified in Appendix 2.4 of the *RH-TRU Payload Appendices* and Section 6.2.3. This table may be reformatted for site use provided that the same information is recorded.

Table 6.2-3. Receiving Site Control Checklist for Controlled Shipments*

Shipment No. _____ Packaging No._____

To be completed by designated Receiving Site Operations Personnel for each package designated as a controlled shipment:

CCP RH-TRAMPAC Section No.	Activity	Recorded Date	Recorded Time	Completion of Activity (Indicate by checkmark [√])
6.2.3 [E]	Record date and time that the package was scheduled to depart from the shipping site			
6.2.3 [F]	Vent package within nine days of date and time recorded above and record vent date and time			
6.2.3 [G]	I certify that the above data is accurate and compliant with the Transport and Unloading Time limit of nine days, as specified in Section 6.2.3 of the RH-TRAMPAC. _____ / _____ RECEIVING SITE OPERATIONS PERSONNEL DATE			

*Controlled shipments (10 days) shall be made in accordance with the conditions specified in Appendix 2.4 of the *RH-TRU Payload Appendices* and Section 6.2.3. This table may be reformatted for site use provided that the same information is recorded.

7.0 QUALITY ASSURANCE PLAN

This section describes the QA programs applicable to the RH-TRAMPAC. QA programs applicable to procurement, design, fabrication, assembly, testing, use, maintenance, and repair of the 72 B packaging are found in Chapter 9.0 of the RH-TRU 72-B SAR. The certification and packaging QA requirements are based on the CBFO Quality Assurance Program Description; the packaging QA requirements are also based on 10 CFR 71, Subpart H, and the RH-TRAMPAC. A matrix showing the relationship for Subpart H requirements and how they are addressed through CCP documents is provided in Table 7-1, Application to Quality Assurance Requirements to the CCP TRAMPAC Implementation.

7.1 Requirements for Payload Compliance

Certification of authorized contents for shipment in the RH-TRU 72-B shall be performed under a written QA program that provides confidence, for both the shipper and receiver, that the RH TRAMPAC requirements have been met. All waste shall be described in an approved RH-TRUCON code.

7.2 QA Compliance and Verification

Compliance methods are documented in DOE-CBFO-approved programmatic TRAMPACs and/or waste-specific data package TRAMPACs. The DOE-CBFO managing and operating contractor performs review of users' payload compliance procedures or data packages to ensure the requirements of this CCP RH-TRAMPAC are met. The DOE-CBFO will periodically audit users' payload compliance QA programs.

The CCP implements the QA Plan found in Section 5.0 of CCP-PO-002, for TRU waste transportation and packaging. DOE-CBFO approves the QA Plan before TRU waste is packaged and transported to the WIPP or other sites.

The use, operation, and maintenance of the RH-TRU 72-B is conducted by the CCP under DOE/WIPP 02-3283, DOE/WIPP 02-3284, and DOE/WIPP 02-3285. Compliance of a payload to be transported in the RH-TRU 72-B is determined by the implementation of the QA Plan and in accordance with CCP-TP-507 and CCP-TP-530. CCP utilizes the WWIS/WDS for performing calculations for compliance of the RH-TRAMPAC.

This CCP RH-TRAMPAC document describes CCP compliance methods and is approved by DOE-CBFO. The DOE-CBFO managing and operating contractor, in conjunction with DOE-CBFO, periodically audits

CCP's payload compliance procedures and data packages to ensure the requirements of this CCP RH-TRAMPAC are met.

Table 7-1. Application to Quality Assurance Requirements to the CCP TRAMPAC Implementation

Title	10 CFR 71 Subpart H1 Section	CCP-PO-002, CCP QA Plan Section	Description	Application to CCP TRAMPAC Implementation
Quality Assurance Organization	71.103	5.1	Identifies organizations and their relationships in performance of activities affecting quality.	Applicable
Quality Assurance Program	71.105	5.1	Describes basic methods for establishing a documented QA program that implements requirements of 10 CFR 71, Subpart H.	Applicable
Packaging Design Control	71.107	5.1	Describes design control measures established for structures, systems, and components.	NA
Procurement Document Control	71.109	5.7	Describes procedures for ensuring that applicable regulatory requirements, design bases, and other requirements necessary to ensure adequate quality are suitably included or referenced in documents for procurement of material, and services.	Applicable
Instructions, Procedures, and Drawings	71.111	5.5	Describes documentation of instructions, procedures, or drawings to ensure that safety criteria have been met. Also describes QA review and concurrent processes.	Applicable
Document Control	71.113	5.4	Describes documents to be maintained by the QA program and how those documents may be changed, reviewed, approved, and issued.	Applicable
Control of Purchased Material, Equipment, and Services	71.115	5.7	Describes procurement planning, sources, bids, evaluations, awards, performance control, verification activities, control of nonconformances, and records.	Applicable
Identification and Control of Materials, Parts, and Components	71.117	5.6	Describes procedures to track materials to prevent the use of incorrect or defective items.	Applicable
Control of Special Processes	71.119	5.6	Describes procedures to monitor special processes such as welding, radiography, and heat treating.	Applicable
Internal Inspection	71.121	5.8	Describes the planning and use of inspection procedures, instructions, and checklists.	Applicable

Table 7-1, Application to Quality Assurance Requirements to the CCP TRAMPAC Implementation (Continued)

Title	10 CFR 71 Subpart H1 Section	CCP QA PLAN Section	Description	Application to CCP TRAMPAC Implementation
Test Control	71.123	5.8	Describes requirements and procedures for testing materials in accordance with original design and testing requirements. Also ensures that the test results are documented and evaluated by qualified individuals.	Applicable
Control of Measuring and Test Equipment	71.125	5.8	Describes procedures for ensuring that measuring and test equipment is properly calibrated and appropriate actions should the equipment be out of calibration.	Applicable
Handling, Storage, and Shipping Control	71.127	5.8	Describes procedures for ensuring that containers and packaging are preserved, prepared, released and delivered in good condition.	Applicable
Inspection, Test, and Operating Status	71.129	5.8	Describes methods for the identification of the inspection, test and operating status of items including the application/removal of tags, markings, or stamps.	Applicable
Nonconforming Materials, Parts, or Components	71.131	5.7	Describes the identification, segregation, disposition, and evaluation of items that do not conform to design and construction criteria.	Applicable
Corrective Action	71.133	5.7	Describes procedures for identifying, reporting and obtaining corrective actions from suppliers for defective material.	Applicable
Quality Assurance Records	71.135	5.5	Describes the establishment of quality assurance records, content, indexing and classification, and appropriate methods for storage, preservation, and safekeeping.	Applicable
Audits	71.137	5.9	Describes internal and external audit programs applicable to both in-house and major suppliers.	Applicable

8.0 REFERENCES

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CCP-QP-002

Revision 35

CCP
Training and Qualification Plan

EFFECTIVE DATE: 06/06/2013

Mike Ramirez

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
9	02/20/2002	Major rewrite to streamline and create a more concise procedure. Document reduced from 57 pages to 16 pages.
10	06/05/2002	Added References. Changes to CCP Technical Supervisor responsibilities. Added Training Evaluations to Records section. Deleted 4.2.5 Audit Personnel Qualifications. Other changes for clarification and consistency.
11	09/12/2002	Deleted Sections 3.3.2 and 3.3.3.
12	10/24/2002	Added Steps 3.8.2 and 3.8.3 in response to SRS Recertification Audit.
13	06/30/2003	Added NDE RTR Section, revised qualification letter and other minor editorial changes. Separated electronically fillable forms and updated references in procedure.
14	12/02/2003	Revision initiated to address CAR# 04-002 identified during CBFO audit A-04-03 and CAR# CCP-0009-03. Added information about RTR audio/videotapes and Capability Demonstrations. Added paragraph 4.2.3[A.5] discussing qualification card addenda. Added section 4.2.4[C] discussing FQAO appointment requirements.
15	03/10/2004	Added Capability Demonstration Instructions (Attachment 2) and CCP Capability Demonstration Data Sheet (Attachment 3 or CCP-QP-002-A1).
16	12/07/2004	Deleted the Technical Supervisor responsibilities section and incorporated them into the Vendor Project Manager responsibilities. Added partial qualification section. Removed requirement for the Site Project Manager to appoint the Facility Quality Assurance Officer by letter.
17	06/06/2005	Addressed CAR 05-029 and CAR 05-033 identified during Carlsbad Field Office (CBFO) Audits A-05-09 and A-05-12. Areas modified were qualification requirements for Nondestructive Assay (NDA) Expert Analyst and examination requirements for Central Characterization Project (CCP) Helium Leak Detection (HLD) Level III.
18	12/13/2005	Clarified roles and responsibilities in reviewing Capability Demonstration training audio/video media and modified Attachment 3 – CCP Capability Demonstration Data Sheet.
19	12/15/2005	Clarification for Level of Qualification in step 4.2.2[B.1].

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RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
20	05/03/2006	Addressed CAR-RHINL-0001-06. Incorporated Remote-Handled waste training and position requirements. Restructured for improved flow.
21	06/13/2006	Updated step 4.2.5 to delete the word “training” from the requirements for VE Operator/ITR/TS/FQAO.
22	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
23	02/01/2007	Revised to address CCP Quality Assurance Surveillance Number SUR-CCP-0005-06.
24	02/27/2007	Revised to address concern raised during Surveillance #S-07-18.
25	05/08/2007	Revised to address Corrective Action Report (CAR) SRS-0002-07.
26	02/07/2008	Revised to address U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 08-004.
27	09/30/2008	Revised to change nondestructive examination (NDE) to comply with Management Assessment MA-CCP-0023-08. Also revised Section 5.1.1[J] in response to Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 08-036.
28	05/26/2010	Revised to address Corrective Action Report (CAR)-CCP-0012-09, to clarify Acceptable Knowledge (AK) briefings, training for solids lab, and approval process for training material. References to Central Characterization Project (CCP) Program Manager/Project Manager were removed and the responsibilities assigned to the Lead Site Project Manager and CCP Manager responsible for Training.
29	07/08/2010	Revised to incorporate changes into Attachment 4, CCP Test Drum Data Sheet for Contact-Handled Waste, and other minor editorial changes.
30	12/29/2010	Revised to bring into compliance with the revision of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*

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RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
31	04/21/2011	Revised based on Revision 2 of the DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*.
32	04/03/2012	Revised to simplify the process for tracking waste stream Summary Training in Section 4.2. Added full requalification as an option in Section 4.1.2 [I]. Added the Training Module in Integrated Data Center (IDC) as a source of Training information to the note in Section 4.1. Incorporated Standing Orders CCP-SO-051 in Section 4.4.1[C], CCP-SO-069 in Section 4.2, and CCP-SO-078 in Section 4.1.2[F]. Expanded Section 4.1.1 to add a documented analysis of positions requiring qualification, in response to Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 12-010.
33	08/30/2012	As a corrective action in response to CBFO CAR 12-033, revised the document to remove references to Lead SPMs and Alternate SPMs, so that any qualified SPM may perform the actions in Section 3.1.
34	01/30/2013	Revised to incorporate Standing Order CCP-SO-086, *Clarification of the Time Period for Performance of the RTR Semiannual Training Container Required by CCP-QP-002*; incorporate changes to DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*; update the title of the organization, as appropriate; and minor editorial changes.
35	06/06/2013	Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and CAR-CCP-0003-13.

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TABLE OF CONTENTS

1.0 PURPOSE 6
1.1 Scope 6

2.0 REQUIREMENTS 7
2.1 References 7

3.0 RESPONSIBILITIES 8
3.1 Site Project Manager (SPM) 8
3.2 Vendor Project Manager (VPM) 9
3.3 Training 9
3.4 SME/OJT Instructor 11
3.5 Personnel 12
3.6 Trainee 12
3.7 Manager Responsible for Training 12
3.8 Cognizant Engineer (CE) 13

4.0 PROCEDURE 14
4.1 General Training Requirements 14
4.2 Waste Stream Summary Training 17
4.3 Specific Qualification and Training Requirements 18
4.4 Appointments 24

5.0 RECORDS 26

LIST OF ATTACHMENTS

Attachment 1 – Minimum Training, Education, and/or Experience 28
Attachment 2 – Test Drum Instructions for Contact-Handled Waste Drums 29
Attachment 3 – Test Drum Data Sheet for Contact-Handled Waste 32
Attachment 4 – Training Container Instructions 34
Attachment 5 – Training Container Evaluation Data Sheet 36
Attachment 6 – Annual Record of Eye Examination 37

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1.0 PURPOSE

NOTE

CCP-QP-040, *Support Training,* applies to those activities that do not fall under the scope of CCP-QP-002, *CCP Training and Qualification Plan* as defined herein. CCP-QP-040 applies to those positions which are not covered by the baseline documents listed in Section 2.1 of this document.

This plan describes the responsibilities of personnel involved in the Central Characterization Program (CCP) Qualification and Training Program. This plan also describes the process for identifying qualification and training requirements for all personnel and technical support personnel, who perform characterization, packaging, certification, and activities.

1.1 Scope

This plan applies to all personnel who conduct quality-affecting activities associated with transuranic (TRU) waste under the CCP, including characterization, packaging, certification, and transportation.

Personnel under this plan are qualified and trained to ensure suitable proficiency is achieved and maintained for assigned tasks. Training and qualification requirements are commensurate with the nature of the activities and level of responsibility.

Training will emphasize the correct performance of work, provide a description of why quality, safety, and TRU waste characterization and certification requirements exist, and describe the fundamentals of the work and its context.

Training will be subject to an on-going evaluation to determine instruction and training program effectiveness and will be upgraded whenever needed improvements or enhancements are identified.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/WIPP 02-3183, *CH Packaging Program Guidance*
- DOE/WIPP 02-3184, *CH Packaging Operations Manual*
- DOE/WIPP 02-3185, *CH Packaging Maintenance Manual*
- NRC Docket 71-9212, *RH-TRU 72-B Safety Analysis Report*, Rev. 3, November 2002
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods For Payload Control (CCP-CH-TRAMPAC)*

Referenced Documents

- DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- ASNT SNT-TC-1A, *Recommended Practice for Personnel Qualification and Certification in Nondestructive Testing,* American Society for Nondestructive Testing (1980 Edition)
- ASTM C1490, *Standard Guide for the Selection, Training, and Qualification of Nondestructive Assay (NDA) Personnel*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*
- CCP-QP-032, *CCP Written Practice for the Qualification of CCP Pressure Change Leak Testing Personnel*
- CCP-TP-028, *CCP Radiographic Test Drum and Training Container Construction*

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3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Oversees planning, characterization, and certification activities.

3.1.2 Ensures personnel are qualified and trained to perform their assigned job functions.

3.1.3 Determines initial and continuing qualification and training requirements in cooperation with appropriate Cognizant Engineer (CE), Manager Responsible for Training, and Training to ensure job proficiency is maintained.

NOTE

Staffing changes includes situations where individuals are brought into, re-assigned, or are leaving the program (i.e., situations which require a change to a List of Qualified Individuals [LOQI]).

3.1.4 Notifies Training of staffing changes and candidates for job positions and provides supporting documentation (e.g., resumes, certificates, diplomas, training records).

3.1.5 Verifies education/experience requirements for Nondestructive Assay (NDA) Expert Analysts (EA).

3.1.6 Appoints Visual Examination Experts (VEE), NDA Expert Analysts (EA), and the remote-handled (RH) Technical Staff, based on education and experience, if applicable.

3.1.7 Reviews and approves Qualification Cards.

3.1.8 Ensures project personnel who are assigned to perform project activities that affect quality:

[A] Are cognizant of the qualification and training requirements of this plan.

[B] Satisfy qualification and training requirements for the tasks associated with their assigned job classification(s).

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3.1.9 Ensures the requirements of this plan are implemented, as follows:

[A] Personnel receive training and qualification, as necessary, to achieve initial proficiency, maintain proficiency, and adapt to changes in technology, methods, job responsibilities, and quality implementing procedures, prior to performing or verifying any waste characterization, certification, or transportation activities.

3.1.10 Appoints qualified personnel as Subject Matter Expert (SME)/On-the-Job Training (OJT) Instructors.

3.1.11 Ensures qualification and training documentation is complete and is submitted to Training.

3.1.12 Evaluates and documents personnel job performance at periodic intervals (as a minimum, during requalification).

3.1.13 Notifies the Manager Responsible for Training when full requalification is required (e.g., when an individual has been disqualified for unsatisfactory performance).

3.1.14 Analyzes positions to determine major job/task responsibilities as a basis for preparation of qualifications cards (shared responsibility).

3.2 Vendor Project Manager (VPM)

3.2.1 May administer the annual eye examination.

3.3 Training

3.3.1 Determines initial and continuing qualification and training requirements for positions in cooperation with an appropriate SME/OJT Instructor, the CE, and a Site Project Manager (SPM) using a graded approach that is commensurate with scope, complexity, and nature of the work to include:

[A] Descriptions of the fundamentals of the work and the context in which the work is performed.

[B] Identification of the applicable quality and safety requirements related to job performance.

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[C] Emphasis on the correct performance of work in accordance with established procedures and/or other relevant technical documents.

[D] Inclusion of education in both principles and enhancement of skills.

3.3.2 Supports a SPM in evaluating training and qualification requirements of each position. This may be done by, but is not limited to, evaluating training requirements using a training analysis. The analysis will result in an approved task list from which tasks may or may not be selected for training. When completed, the analysis will be signed by participants, and the task list reviewed and approved by the designated SME/OJT, the CE, a SPM, and the Manager Responsible for Training for completeness of training requirements.

3.3.3 Develops, implements, and monitors training required to maintain qualification of personnel.

3.3.4 Ensures project-required training effectiveness is reviewed when the need for improvements or enhancements is identified, and ensures the training program is updated.

3.3.5 Maintains documentation of current personnel training status.

3.3.6 Issues approved training materials and assists in the completion of qualifications and training activities.

3.3.7 Prepares Qualification Cards.

3.3.8 Returns incomplete/incorrect training materials to candidate's manager, as applicable.

3.3.9 Ensures qualification, training records, and supporting documentation (including video and audio recorded media for test drum) are maintained, secured, and controlled in accordance with CCP-QP-008, *CCP Records Management*.

3.3.10 Prepares LOQIs delineating those individuals who have completed Qualification Cards, and distributes to the applicable site.

3.3.11 Reviews, develops, and approves Comprehensive Examinations for thoroughness and adequacy.

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3.3.12 Reviews real-time radiography (RTR) completed Attachment 3, Test Drum Data Sheet for Contact-Handled (CH) Waste, video and audio recorded media in accordance with CCP-QP-008.

3.4 SME/OJT Instructor

NOTE

Before any OJT can be performed, it is necessary to initially qualify one SME/OJT Instructor for each discipline based on education and experience. The basis for SME/OJT Instructor qualification will be provided by an SPM and documented in the applicable Training files. The qualification is by discipline and is non-site specific. The basis for qualification will be used to complete a qualification card for the candidate as an SME/OJT Instructor. The successful candidate will be added to the appropriate LOQI(s) once the qualification card is complete.

The SME/OJT Instructor will have adequate education and/or technical knowledge in the applicable discipline, communication skills, and ability to provide trainees with hands-on experience, as determined by an SPM. Technical knowledge may be based on experience with the applicable process or involvement in development of operational procedures or qualification requirements for the applicable process.

The Mobile Loading Unit (MLU) Field Operations Manager (or designee) will appoint SME/OJTs for Transportation activities.

All SME/OJT candidates must complete the SME/OJT briefing and pass the SME/OJT exam.

3.4.1 Provides supervised hands-on training in the work environment to accomplish performance objectives of the training tasks.

3.4.2 Determines initial and continuing qualification and training requirements for National TRU Program Certification (NTPC) positions in cooperation with a SPM, the CE, the Manager Responsible for Training, and Training.

3.4.3 Ensures trainee(s) have satisfactory knowledge of and competence in skills requirements, as defined on the Qualification Card.

3.4.4 Verifies the correct revision of the qualification card is being used.

3.4.5 Signs and dates Qualification Card, indicating acceptable performance levels are met.

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3.4.6 Provides all training documentation generated to an SPM for review and approval.

3.4.7 Analyzes positions to determine major job/task responsibilities as a basis for preparation of qualifications cards (shared responsibility).

3.5 Personnel

3.5.1 Provides copies of their qualification documents (e.g., resumes, education, and experience) to an SPM or Training as applicable.

3.5.2 Completes initial training in accordance with this procedure, as stated on each individual's Qualification Card.

3.5.3 Ensures qualification requirements are completed and signed off before performing assigned tasks without supervision.

3.5.4 Maintains requisite qualifications throughout the duration of work.

3.5.5 Attends CCP and site-specific training, as necessary.

3.6 Trainee

3.6.1 Completes Qualification Card(s) in a timely manner.

3.6.2 Works only under the supervision of a qualified operator or a SME/OJT Instructor.

3.7 Manager Responsible for Training

3.7.1 Reviews and approves all training material for applicability and technical content.

3.7.2 Determines when full requalification is required.

3.7.3 Analyzes positions to determine major job/task responsibilities as a basis for preparation of qualifications cards (shared responsibility).

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3.8 Cognizant Engineer (CE)

NOTE
A CE is not required for Transportation or Acceptable Knowledge.

3.8.1 The CE is designated for each specific process by the NTPC Manager based on their education, knowledge, and experience for the characterization process.

3.8.2 The CE has overall responsibility for the implementation and quality of the characterization activity.

3.8.3 The CE reviews material developed by Training for applicability and technical content.

3.8.4 Analyzes positions to determine major job/task responsibilities as a basis for preparation of qualifications cards (shared responsibility).

3.8.5 Reviews and evaluates training containers for RTR personnel.

3.8.6 Evaluates the training documentation for RTR personnel and determines if they meet the requirements for certification.

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4.0 PROCEDURE

4.1 General Training Requirements

NOTE

The Training Module in the Integrated Data Center (IDC) provides information that may be used to update and maintain the information in documents provided by training, such as the LOQI. Such usage will be described in the applicable sections of this procedure.

4.1.1 Personnel selected to perform or verify NTPC activities will have the education, experience, and training commensurate with job position requirements. The need for job position Qualification Cards will be determined by a SPM, the CE, and the Manager Responsible for Training.

[A] Job position requirements will be analyzed and documented to determine the major duties and tasks associated with the position, as a basis for developing the Qualification Card for each activity requiring qualification. The analyses will be performed by a SPM, a SME/OJT Instructor, the CE, and the Manager Responsible for Training.

[B] A separate analysis may not be required for new positions where the major duties and tasks are closely-related to those for an existing, already-analyzed position. This determination will be made and documented by the performers identified in [A], above.

4.1.2 All training candidates are required to complete a Qualification Card to verify that they possess the knowledge and skills necessary to competently perform specified tasks.

[A] Qualification Cards technical content will be determined by a SME/OJT Instructor, the CE, the Manager Responsible for Training, and a SPM based on project requirements and federal and state regulations.

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NOTE

The qualification cards for Helium Leak Detection Personnel are issued in accordance with CCP-QP-030, *CCP Written Practice for the Qualification of CCP Helium Leak Detection Personnel*. The qualification cards for Pressure Change Leak Testing (PCLT) personnel are issued in accordance with CCP-QP-032, *CCP Written Practice for the Qualification of CCP Pressure Change Leak Testing Personnel*.

[B] All Qualification Cards shall be issued by Training.

[C] The SME will verify current revision.

[D] Training will verify that prerequisites are met.

[E] Upon completion of the Qualification Card, candidates are considered qualified to perform their respective duties.

[F] The Qualification Cards will contain the following information:

[F.1] Name of job position.

[F.2] Revision number and effective date.

[F.3] Trainee's name.

[F.4] Signature spaces for approvals of format, technical content, and use by a SME/OJT, the CE, a SPM, and the Manager Responsible for Training, as applicable.

[G] The Qualification Card will be divided into the following parts, as applicable:

[G.1] Education/Experience.

[G.2] Job Specific Training (which may include):

- Indoctrination/Orientation
- Initial Reading
- Formal Training
- National Standards Certifications
- OJT
- Signature line and date for trainee
- Approval section for a SME/OJT
- Approval section for a SPM

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[G.3] If a Qualification Card requires changes, the following is performed:

(a) Training, prepare the revised Qualification Card, using the next sequential revision number.

(b) Training, route the revised Qualification Card to the following for review and approval: a SME/OJT, the CE, a SPM, and the Manager Responsible for Training.

(c) Training, upon approval, place a new effective date on the Qualification Card and issue the Qualification Card.

[G.4] Other required formal training materials, such as the Waste Analysis Plan (WAP)/Quality Assurance Project Plan (QAPjP) Briefing or training determined by a training evaluation (i.e., classroom, OJT, or self-paced instruction) shall be approved for format, technical content, and use by a SPM and the Manager Responsible for Training.

(a) As initial and continuing qualification and training requirements change, these approved training materials shall be revised by Training.

(b) All approved training materials shall be maintained, secured, and controlled by Training.

[H] Operational Positions (e.g., RTR, NDA, etc.) require requalification every two (2) years. Exceptions are: Helium Leak Detection (HLD) Level III (Limited) has a three year requalification requirement. If necessary, additional training may be required by a SPM, or the Manager Responsible for Training. The sections of the qualification card that must be re-performed during each requalification are identified on the Qualification Cards.

NOTE

Requalifications are due by the end of the month in which the qualification period falls, unless a specific date is listed on the qualification card.

[I] Requalification of Project Office positions is not required.

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[J] Unsatisfactory performance will result in disqualification by the Manager Responsible for Training. The candidate must successfully complete a full requalification (i.e., repeat the entire Qualification Card) to re-establish qualification.

[K] Full requalification is also required when a SPM and the Manager Responsible for Training jointly determine that an individual has not been performing in the qualified function for a significant period of time, due to re-assignment and return, or extended absence from the position for other reasons. Typically, full requalification would apply after an absence from the position of more than one year; however, there may be extenuating circumstances and each occurrence is reviewed and documented on a case-by-case basis.

4.1.3 Completion of the Waste Isolation Pilot Plant (WIPP) WAP/QAPjP Briefing is a pre-requisite for all personnel before they perform *Waste Isolation Pilot Plan, Waste Analysis Plan* (WIPP-WAP) specific tasks.

NOTE

RTR and visual examination (VE) personnel shall be trained on newly developed and revised waste stream reports which change the waste generating processes, packaging, and expected waste material parameters (WMP) expected to be found in each Waste Matrix.

4.2 Waste Stream Summary Training

4.2.1 An SPM in conjunction with Acceptable Knowledge Expert (AKE), develop the training in the form of a briefing which identifies as a minimum the following:

- Specific waste generating processes
- Packaging
- WMP for the waste matrix code

4.2.2 SPM, provide the briefing to the required RTR and VE personnel.

4.2.3 SPM, submit the briefing materials and the completed briefing sheet(s) (or personnel can send individual e-mail acknowledgements) to Training.

4.2.4 Training, update the LOQI for all personnel who received the briefing, showing that they are qualified to perform work on the identified waste stream.

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[A] Remove the qualified status for the identified waste stream from the LOQI when either:

[A.1] The SPM so directs, because the waste stream is no longer active, or

[A.2] The Training Module in the IDC shows that the waste stream is no longer active.

4.3 Specific Qualification and Training Requirements

4.3.1 Acceptable Knowledge (AK) Personnel

[A] Personnel assigned to compile, evaluate, and resolve discrepancies associated with acceptable knowledge (AK) information, require the following:

[A.1] WIPP-WAP Briefing.

[A.2] Waste Acceptance Criteria (WAC) knowledge.

[A.3] DOE/WIPP 02-3214, *Remote Handled TRU Waste Characterization Program Implementation Plan* knowledge.

[A.4] Training on Federal and State Resource Conservation and Recovery Act (RCRA) regulations associated with solid and hazardous waste determinations. Training requirement will be satisfied by documented completion of a formal RCRA training program, (e.g., a commercially available RCRA Seminar, or a SPM's documented evaluation of adequate training and/or experience).

[A.5] Knowledge of procedures associated with:

(a) Waste characterization using AK.

(b) AK records development including AK discrepancy resolution.

(c) Nonconformance Report (NCR)/Corrective Action Report (CAR) Process

[A.6] Knowledge of resolving and managing prohibited items as noted in nonconformance reporting.

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4.3.2 RTR Operator/Independent Technical Reviewer (ITR)

[A] Qualification Process

[A.1] An individual qualifying as an RTR Operator/ITR is considered a trainee. A trainee will work only under the supervision of a qualified operator or SME/OJT Instructor.

[A.2] All RTR personnel will be trained to the guidance of American Society for Nondestructive Testing (ASNT) Recommended Practice Number SNT-TC-1A, *Recommended Practice for Personnel Qualification and Certification in Nondestructive Testing,* modified to suit the RTR application/method.

[A.3] An RTR Operator/ITR will:

(a) Be able to set up and operate equipment, and qualified to interpret and evaluate results with respect to applicable codes, standards, and specifications.

(b) Be thoroughly familiar with the scope and limitations of RTR.

(c) Exercise the responsibility for OJT and apprenticeship of trainees.

(d) Be able to prepare written instructions.

(e) Be able to organize Batch Data Reports (BDRs) with the results of RTR.

[B] Education, Training, and Experience Requirements for Initial Qualification

[B.1] Personnel considered for qualification in RTR must have sufficient education, training, and experience to ensure understanding of the principles and procedures.

[B.2] Education requirements are listed in Attachment 1, Minimum Training, Education, and/or Experience.

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[B.3] Personnel being considered for qualification as an RTR Operator/ITR will complete organized training to become familiar with the principles and practices of the applicable RTR method.

[B.4] A certificate from an approved vendor stating that the individual operator is a qualified RTR operator Level II SNT-TC-1A.

[B.5] To be considered for qualification as an RTR Operator/ITR, the trainee must:

(a) Pass the required examinations in step 4.3.2[C].

(b) Complete the Qualification Card.

[B.6] Any previous training and experience gained in a position similar to the RTR Operator/ITR position may be considered in satisfying the qualification criteria of this procedure and shall be documented in the Training file (i.e., resume).

[C] Examinations

[C.1] Physical

(a) All trainees will pass an initial eye examination to ensure natural or corrected near-distance acuity in at least one eye. The trainee must be capable of reading Jaeger Number 2 at a distance of not less than twelve (12) inches on a standard Jaeger test chart.

(b) The eye examination will demonstrate the capability of distinguishing and differentiating contrast used in RTR.

(c) The eye examination will be administered on an annual basis and the results maintained in the Training files. The Vendor Project Managers (VPMs) at each site may administer the eye examination.

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[C.2] Comprehensive

(a) Pass a program-specific comprehensive exam with an 80 percent or better grade that addresses radiography operations, documentation, characterization, and procedural elements.

[C.3] Test Drum (Capability Demonstration)

NOTE

The requirement for completing the test drum defined in the Waste Characterization Program Implementation Plan (WCPIP) is met by successfully completing the Training Container.

Test Drums (Capability Demonstrations) are due by the end of the month in which the qualification period falls.

(a) At initial qualification and subsequent requalification, successfully examine a test drum that includes items common to the waste streams and is representative of the waste matrix codes and WAC required items.

(b) Use Attachment 2, Test Drum Instructions for Contact-Handled Waste Drums.

(c) Documentation required for test drums is as follows:

(c.1) Nondestructive Examination (NDE) Test Drum Inventory Sheet (from CCP-TP-028, *CCP Radiographic Test Drum and Training Container Construction*).

(c.2) Attachment 3, Test Drum Data Sheet for Contact-Handled Waste.

(c.3) Video and audio recorded media of the test drum.

[C.4] Training Container

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NOTE

A Training Container is required by CH and RH operators at initial qualification, requalification, and semi-annually. The nominal period for performance of the Training Container is every six months, due by the end of the month of the sixth month from the date the Training Container was successfully passed.

The Training Container will contain items which can be identified by RTR, are representative of the physical properties of the waste based on AK documentation reviewed, and prohibited items.

(a) At initial qualification, requalification, and semiannually, successfully examine a Training Container and identify 100 percent of the items required to meet the Data Quality Objectives (DQO's).

(b) Use Attachment 4, Training Container Instructions

(c) Documentation required for Training Containers is as follows:

(c.1) NDE Training Container Inventory Sheet (from CCP-TP-028).

(c.2) Attachment 5, Training Container Evaluation Data Sheet

(c.3) Video and audio recorded media of the Training Container

(d) The NDE CE will review the audio/video recording to ensure the operator's interpretations remain consistent and accurate.

(e) The NDE CE or the SPM may request an extension of the period between performances of the Training Container for up to one additional month (for a total of seven months between Training Containers, beginning with the date the examination was reviewed and approved by the CE).

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(e.1) Upon receipt of a written request from the SPM or NDE CE, Training will extend the Training Container due date for the operator on the LOQI.

(e.2) The request will be retained by Training.

(e.3) When Training receives evidence the operator has satisfactorily completed the Training Container, Training will enter a due date for the next Training Container that takes into account the earlier extension (e.g., 5 month due date, not 6 month).

(e.4) If the operator exceeds the one month extension due date on the LOQI, Training will remove the individual from the LOQI until the Training Container has been successfully completed.

(e.5) Extension is not permitted at the time of requalification.

NOTE
Certification of RTR operator/ITR personnel is documented on the completed qualification card.

[D] Qualification

[D.1] Successful qualification of the RTR Operator/ITR is documented by completing the Qualification Card.

[D.2] To maintain qualifications, the CH and RH RTR Operator/ITR must perform a Training Container semiannually, documented on Attachment 5.

[D.3] Complete an annual eye examination.

[E] Requalification

[E.1] Requalification is based on evidence of satisfactory performance of a test drum, a training container, and passing a comprehensive exam with a grade of 80 percent or better once every two years. If necessary, additional training may be required by a

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SME/OJT, a SPM, the CE, or the Manager Responsible for Training.

4.3.3 Transportation personnel who require qualification in HLD are trained in accordance with CCP-QP-030 and documented on Attachment 1, CCP HLD Qualification Card of CCP-QP-030.

4.3.4 Transportation personnel who require qualification in PCLT are trained in accordance with CCP-QP-032 and documented on Attachment 1, CCP PCLT Qualification Card.

4.3.5 NDA EA requires the completion of a EA Qualification Card.

4.3.6 Visual Examination (VE) Operator/ITR

[A] For the initial qualification and subsequent requalification, the Operator/ITR must:

[A.1] Pass comprehensive exam with an 80 percent or better grade that addresses VE operations, documentation, characterization, formal training elements, and procedural elements.

[A.2] VE Operators must demonstrate capability in the presence of the site VEE during OJT. However, the formal and OJT training is conducted by a qualified SME.

4.4 Appointments

4.4.1 For VEE candidate(s), a SPM performs the following:

[A] Review the training files for qualification/familiarity to waste stream, experience handling TRU waste, and VE Operator qualifications.

[B] Provide written notification to Training delineating the candidate's qualifications and experience.

[C] Ensures that the appointments are facility–specific.

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4.4.2 For NDA EA candidate(s), a SPM will perform the following:

[A] Review the training files for an undergraduate degree in physical science or engineering and five years NDA experience; or ten equivalent years of experience in the NDA field.

[B] Provide written notification to Training delineating the candidate's qualifications and experience.

4.4.3 For RH Technical Staff candidate(s), a SPM will perform the following:

[A] Review the training files for the minimum requirements identified in Attachment 1

[B] Provide written notification to Training delineating the candidate's qualifications and experience.

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5.0 RECORDS

5.1 Records generated during the performance of this plan are maintained as quality assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent Records

[A] Written Notification of Appointments/Designations

[B] Letters to Training

[C] Certificates of Completion

[D] Analysis documentation for positions requiring qualification

[E] Qualification and training records

[E.1] OJT records

[E.2] Completed exams

[E.3] Qualification Card

[F] Training materials (e.g., course presentation, exam)

[G] Completed attendance/briefing forms,

[H] Training evaluations (which may include a Table-Top Job Analysis)

[I] Attachment 3, Test Drum Data Sheet for Contact-Handled Waste

[I.1] Audio and Video Recording media (primary and backup)

[J] Attachment 5, Training Container Evaluation Data Sheet

[J.1] Audio and Video Recording media (primary and backup)

[K] Resumes as applicable

[L] Comprehensive Examinations

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[M] WAP Briefing

[N] Eye Examination (Medical)

- Attachment 6, Annual Record of RTR Eye Examination, when applicable
- Independent Eye Examination (from medical facility), when applicable

[O] Training Module (Electronic)

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Attachment 1 – Minimum Training, Education, and/or Experience

Personnel	Education/Experience/Requirements
1. Radiography	
Radiography Operators	Site specific training based on waste matrix codes and waste material parameters; requalification every two years.
2. Nondestructive Assay (NDA)	
NDA Personnel	In accordance with ASTM C1490, *Standard Guide for Selection, Training, and Qualification of Nondestructive Assay (NDA) Personnel;* ANSI N15.54, *Radiometric Calorimeters- Measurement Control Program.*
3. Technical Staff	
RH Technical Staff	B.S. Nuclear Engineering or the equivalent knowledge and experience to perform assigned tasks, including: • Calculation of reactor neutron spectra • Generate ORIGEN format cross sections • Perform ORIGEN isotope generation and depletion calculations • Ensure that appropriate samples are collected and analyzed from waste • Perform shielding calculation of waste containers **OR** B.S. degree in statistics or the equivalent knowledge and experiences to problem assigned tasks, including: • Develop Sampling plan to obtain representative samples of waste. Propagate uncertainties to determine Total Measurement Uncertainty.
RH Technical Reviewer	• Equivalent qualifications necessary to have originally performed the task under review. At least five years experience in the technical area applicable to the review task.

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Attachment 2 – Test Drum Instructions for Contact-Handled Waste Drums

OPERATOR

1.0 In the presence of a RTR SME/OJT Instructor, perform the following:

1.1 Pre-start operations and video and audio recording media system setup of the RTR equipment per site approved radiography operating procedure.

1.2 Load the test drum into the RTR unit.

1.3 Ensure the video/audio recording identifies the following information:

[A] The identifying test drum container (e.g., NDE-TEST-01)
[B] Exam date
[C] Operator's name

1.4 Complete Blocks 1 through 4 of Attachment 3.

1.5 Perform scan of the test drum, identifying test drum container, and complete Blocks 5 and 6 of Attachment 3. Provide a detailed description (including content) of all items found within the container.

1.6 Label the video/audio media with the following information:

[A] The identifying training container (e.g., NDE-TEST-01)
[B] Exam date
[C] Operator's name
[D] "A" for primary or "B" for backup

1.7 Complete Block 7.

1.8 Forward the video and audio recording media to a RTR SME/OJT Instructor.

SME/OJT INSTRUCTOR

2.0 Observe the test drum and complete Attachment 3 as follows:

2.1 **IF** the Operator has correctly identified the items within the test drum, **THEN** check PASS in Block 9, print name, sign, and date Block 10, **AND** forward the video and audio recording media and Attachment 3 to Training in accordance with CCP-QP-008.

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Attachment 2 – Test Drum Instructions for Contact-Handled Waste Drums (Continued)

2.2 **IF** the Operator DOES **NOT** identify all WAC required prohibited items in Block 8 on Attachment 3 correctly,
THEN perform the following:

2.2.1 Document unidentified WAC required prohibited items in Block 8 on Attachment 3.

2.2.2 Check FAIL in Block 9 of Attachment 3.

2.2.3 Print name, sign, and date in Block 10 of Attachment 3.

2.2.4 Notify an SPM and Training.

2.2.5 Forward Attachment 3 and the video and audio recording media to Training in accordance with CCP-QP-008.

NOTE

RTR Personnel who fail the test drum will be requalified after meeting initial qualification requirements.

2.3 **IF** any items (other than WAC-required items) were not identified,
THEN discuss and document the noted discrepancies with the Operator,
AND provide documentation along with the required test drum documentation.

2.3.1 Document unidentified items on Attachment 3, Block 8, **AND** discuss with the Operator.

2.3.2 Check PASS in Block 9 of Attachment 3.

2.3.3 Print name, sign, and date in Block 10 of Attachment 3.

2.3.4 Forward Attachment 3 with the video and audio recording media toTraining in accordance with CCP-QP-008.

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Attachment 2 – Test Drum Instructions for Contact-Handled Waste Drums (Continued)

TRAINING

3.0 Ensure receipt of all required test drum documentation stated in step 4.3.2[C.3](a) of CCP-QP-002.

4.0 **IF** notified by the RTR SME/OJT Instructor that a currently qualified Operator has failed the test drum,
THEN perform the following:

4.1 Remove the Operator from the LOQI.

4.2 Notify an SPM.

5.0 **IF** Attachment 3 indicates PASS,
THEN perform the following:

5.1 Update the LOQI and the Training files.

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Attachment 3 – Test Drum Data Sheet for Contact-Handled Waste

1. Name:	
2. Test Drum #:	**3. Date of Demonstration:**
4. Video and Audio Recording Media Label:	
5. Container Inventory (Provide detailed description)	
6. Operator Printed Name: _____	
Operator Signature: _____ **Date:** _____	

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Attachment 3 – Test Drum Data Sheet for Contact-Handled Waste (Continued)

7. Name:					
8. As SME/OJT Instructor, I observed the above demonstration and discussed the below missed items with the Operator.					
WAC Required items missed by Operator (check applicable items)		**Other items missed by Operator**			
	Aerosol can with puncture				
	Horsetail bag				
	Pair of coveralls				
	Empty bottle				
	Irregular shaped pieces of wood				
	Empty one gallon paint can				
	Full container				
	Aerosol can with fluid				
	One gallon bottle with three tablespoons of fluid				
	One gallon bottle with one cup of fluid (upside down)				
	Leaded glove or leaded apron				
	Wrench				
9. I have assigned a grade based on the review above.		**PASS**		**FAIL**	
10. SME/OJT Instructor printed name:					
SME/OJT Instructor signature:			**Date:**		

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Attachment 4 – Training Container Instructions

OPERATOR

1.0 Perform the following:

1.1 Verify the RTR unit and video/audio system is configured to run the training container.

1.2 Load the training container into the RTR unit.

1.3 Ensure the video/audio recording identifies the following information:

[A] The identifying training container (e.g., NDE-TRAINING-01)
[B] Exam date
[C] Operator's name

1.4 Perform scan of the training container, identifying training container, detailed description of contents including container sizes and volumes of liquid if prohibited.

1.5 Label the video/audio media with the following information:

[A] The identifying training container (e.g., NDE-TRAINING-01)
[B] Exam date
[C] Operator's name
[D] "A" for primary or "B" for backup

2.0 Forward the video and audio (primary and backup) recording media to Training, in accordance with CCP-QP-008.

TRAINING

3.0 Forward a copy of the video and audio record to the NDE CE.

NDE CE

4.0 Complete information required in Blocks 1-4 of Attachment 5.

5.0 Review the Training Container scan and document discrepancies (accuracy and consistency) in Block 5 on Attachment 5.

6.0 Record in Block 6 on Attachment 5 if the operator passed or failed based on identification of the DQOs.

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Attachment 4 – Training Container Instructions (Continued)

7.0 Print, Sign, and Date in Block 7, Attachment 5.

8.0 Forward Attachment 5 and the video and audio recording media to Training.

TRAINING

9.0 Ensure receipt of all required documentation.

9.1 Update Training files and the LOQI.

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Attachment 5 – Training Container Evaluation Data Sheet

1. Name:			
2. Training Container #:		□ Box	□ Drum
3. Date of Demonstration:			
4. Video and Audio Recording Media Label:			
5. I have counseled the operator on the following interpretation issues.			
6. PASS		**FAIL**	
7. NDE CE Printed Name:			
NDE CE Signature:		**Date:**	

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Attachment 6 – Annual Record of Eye Examination

Employee Name:		
Examination Date:		
Examined by:		
	Printed name	
	Signature	
Examination Type:	**Jaeger- near acuity**	
Jaeger Level Tested:	**J-2**	
Results: **(circle one)**	**Pass**	**Fail**
Contrast Proficient: **(circle one)**	**Yes**	**No**

Note:

A visual acuity examination shall be administered to the candidate prior to the initial qualification and annually thereafter.

A professional optometrist, medical doctor, nurse, or personnel designee by procedure shall administer this examination.

The candidates shall have natural or corrected near distance acuity in at least one eye, capable of reading J-2 letters on a standard Jaeger test chart at a distance of not less then 30.5 centimeters (12 inches).

The candidate shall receive a contrast vision examination to verify the capability of distinguishing and differentiating contrast normally used.

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CCP-QP-005

Revision 22

CCP
TRU Nonconforming
Item Reporting and Control

EFFECTIVE DATE: 09/27/2012

Mike Ramirez

PRINTED NAME

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
17	08/27/2008	Revised to include language describing the process the Central Characterization Project (CCP) personnel use when performing open Nonconformance Report (NCR) checks and whether the NCR is "resolved" for a particular container in conjunction with software changes to the Progress Tracking System (PT-S) (NCR status) portion of the CCP Datacenter. Also included additional language with respect to reconciliation of HOLD Tags once the NCR's are cleared for containers and incorporated the directive in Standing Order CCP-SO-30, Clarification of Rework and Reject. This is in response to U.S. Department of Energy-Carlsbad Field Office (DOE/CBFO) Corrective Action Report (CAR) CAR-08-025.
18	08/13/2009	Revised to incorporate freeze file editorial changes, clarify the ability to delete/remove containers from the Batch Data Report (BDR)/Container ID list when revising a nonconformance report (NCR) per CAR-LANL-0001-09, and incorporate Central Rev. Characterization Project (CCP) Standing Order (SO) CCP-SO-024, 1.
19	10/14/2010	Revised to: clarify hold tag application; Carlsbad Field Office (CBFO) notification requirements including responsibility, incorporate CCP-SO-054, 1 and CCP-SO-065, 0; revisions to Attachment 1, CCP Nonconformance Report (NCR); and other minor editorial changes.
20	04/26/2011	Revised to incorporate relevant steps from CCP-QP-004, *CCP Corrective Action Management,* and other editorial changes.
21	03/05/2012	Revised to incorporate clarification of K-trend code designees signature authority and other editorial changes and freeze file items.
22	09/27/2012	Revised to add definitions; to move 2.5.1 to 4.2.1 [F]; to clarify 4.4.15 and Attachment 1, 4.2.10, and Carlsbad Field Office (CBFO) notification in 4.3.1; to add new 4.9.3 to address removal of Hold Tags when voiding a Nonconformance Report (NCR); to incorporate freeze file changes; to modify Attachment 1; to correct some typos and editorial mistakes.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Definitions 7
2.3 Conditions Adverse to Quality 9
2.4 Reporting and Control 10
2.5 Evaluation and Disposition 12
2.6 Nonconformance Reporting Module (NCRM) 14

3.0 RESPONSIBILITIES 15
3.1 NCR Originator 15
3.2 CCP QA 15
3.3 CCP QA Designee 16
3.4 Responsible Manager 16
3.5 CCP Site Project Manager (SPM) or Project Manager (PM) 16
3.6 Vendor Project Manager (VPM) 17
3.7 NCR Coordinator (Site CCP QA serves as the QA Coordinator for the assigned site) 17
3.8 CCP Training 18
3.9 Certification Manager 18
3.10 Waste Certification Official (WCO) 18
3.11 Packaging Manager 18

4.0 PROCEDURE 19
4.1 NCR Initiation 19
4.2 Review and Validation 23
4.3 NCR Processing 27
4.4 Disposition Determination 29
4.5 NCRM Update 34
4.6 Disposition Completion 34
4.7 Completion Verification and Closeout 35
4.8 Closeout 36
4.9 Voiding the NCR 37
4.10 Attachments 38
4.11 Revisions and Corrections 39
4.12 NCR Log Reconciliation - CCP Project Office and Host Site 40
4.13 Work Suspension and CBFO Stop Work Orders 40

5.0 RECORDS 43

Controlled
Copy

LIST OF ATTACHMENTS

Attachment 1 – CCP Nonconformance Report (NCR)..... 44
Attachment 2 – CCP Nonconformance Report (NCR) Continuation Sheet..... 47
Attachment 3 – Additional CBFO Notification Details..... 48
Attachment 4 – Trend Codes..... 49

1.0 PURPOSE

This procedure establishes the requirements and responsibilities for identifying, documenting, reporting, and dispositioning items and services that do not meet established requirements.

1.1 Scope

This procedure applies to Central Characterization Project (CCP) waste characterization, certification, packaging, and transportation. It establishes the process for identifying, documenting, controlling, evaluating, dispositioning, and verifying completion of dispositioning of nonconforming conditions associated with items, equipment, and Batch Data Reports (BDRs).

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/CBFO-94-1012, *U.S Department of Energy Carlsbad Field Office Quality Assurance Program Document* (QAPD)
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-QP-010, *CCP Document Preparation, Approval, and Control*

Referenced Documents

- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-008, *CCP Quality Assurance Interface with the WTS Quality Assurance Program*
- CCP-QP-004, *CCP Corrective Action Management*
- CCP-QP-006, *CCP Corrective Action Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-014, *CCP Quality Assurance Trend Analysis and Reporting*
- CCP-TP-001, *CCP Project Level Data Validation and Verification*
- 10 Code of Federal Regulations (CFR) Part 71, *Packaging and Transportation of Radioactive Material*

2.2 Definitions

ALARA (As Low As Reasonably Achievable)	A principle of all work at the site in the use or handling of radioactive materials in which personnel radiation exposure, including the work force and public, is kept at a level as low as possible by reasonable means.
Condition Adverse to Quality (CAQ)	An all-inclusive term used in reference to any of the following: failures, malfunctions, deficiencies, defective items, nonconformances, and technical inadequacies.
Data Quality Objective (DQO) Process	A strategic planning approach based on the scientific method used to prepare for data collection. The DQO process provides a systematic procedure for defining the criteria that a data collection design should satisfy, including when and where to collect samples, the tolerable level of decision errors for the study, and how many samples to collect.
Item	An all-inclusive term used in place of any of the following: appurtenance, assembly, component, equipment, material, module, part, structure, subassembly, subsystem, system, unit, support system, or data.
Nonconformance	A deficiency in a characteristic or record that renders the quality of an item or sample unacceptable or indeterminate.
Orphaned Hold Tag	A Hold Tag no longer attached to its associated nonconforming item.
PAAA (Price-Anderson Amendments Act)	Law passed by Congress intended to minimize the risk to workers and the public by ensuring that DOE nuclear work is conducted so that human health and safety and the environment are protected adequately.
Repair	The process of restoring an item to a condition such that the capability of the item to function reliably and safely is unimpaired even though that item still does not conform to the original requirement.

Rework	The process by which an item is restored to original specifications by completion or correction.
Supplier	Any individual or organization who furnishes items or services in accordance with a contract. An all-inclusive term used in place of any of the following: vendor, seller, source, participant, contractor, or subcontractor.
Technical Change	Changes to container or BDR identifications, Interim or Final Dispositions, Actual Conditions, or Requirements.
Traceability	The ability to trace the history, application, and location of an item, data, or sample using documentation. As related to metrology, traceability means the ability to relate individual measurement results through an unbroken chain of calibrations to one or more of the following: • U.S. national standards maintained by National Institute of Standards and Technology (NIST) or the U.S. Naval Observatory • Fundamental or natural physical constants with values assigned or accepted by NIST • National standards of other countries which are correlated with NIST
Use-As-Is	A disposition permitted for a nonconforming item when it can be established that the item is satisfactory for its intended use.
Work	The process of completing a defined task. Examples include research and development, operations, maintenance and repair, administration, software development and use, inspection, safeguards and security, and data collection and analysis.

2.3 Conditions Adverse to Quality

2.3.1 CCP personnel who discover nonconforming items and processes have the responsibility to initiate NCRs for nonconforming items or equipment or to notify their managers for assistance in ensuring that an NCR is initiated. Personnel are encouraged to suggest improvements. Nonconformances will be documented, evaluated, and dispositioned with a no-fault attitude fostered by management at all levels.

2.3.2 Personnel evaluating and determining the disposition of nonconforming items will have demonstrated competence in the specific area they evaluate, adequate understanding of the requirements, and access to pertinent background information.

2.3.3 NCRs are not to be used as administrative holds (e.g., to stop a shipment when there is **NO** nonconformance). Refer to the container management procedures for specific sites for more details on the proper use of administrative holds.

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2.4 Reporting and Control

NOTE
The precautions selected SHALL **NOT** be solely reliant on a single administrative control to differentiate waste containers that are acceptable for shipment to the Waste Isolation Pilot Plant (WIPP) from those containers that DO **NOT** meet the WIPP acceptance criteria.

NOTE
When it is determined that CCP HOLD TAGS will be applied, the CCP HOLD TAGS SHALL remain on the containers until the nonconforming condition has been resolved and the technical disposition has been implemented and verified under the CCP Program.

Resolution of nonconforming containers is not predicated on the closure of the NCR but rather by verifying the acceptable completion of the disposition for individual containers, and releasing them for shipment to WIPP. For all containers Quality Assurance (QA) confirms resolution using the “Resolve” or “Return” feature in the Nonconformance Report Module (NCRM).

Other methods used to control the affected items may include segregation and the use of dual independent check systems (for non-compliant remote-handled [RH] waste packages based on the As Low As Reasonably Achievable [ALARA] principle) which utilize two separate and distinct processes and data sets for verifying waste packages are acceptable for shipment.

2.4.1 The Site Project Manager (SPM) is responsible for overseeing the NCR process, developing a plan to identify and track all nonconformances, and reporting this information. The requirement for the SPM to develop a plan is satisfied by approval of this procedure. Nonconforming items will be identified by marking (or tagging) or segregating, or both, or other methods that do not adversely affect the end use. The identification will provide traceability to the NCR number, will be legible and easily recognizable, and will remain attached to the nonconforming item(s) until all actions required by the disposition have been completed and accepted. It is required that all containers that are identified with an NCR be physically tagged with a CCP HOLD TAG until resolution of the nonconformance, except as identified in step 4.1.3[A].

2.4.2 Most CCP NCRs are initiated to document conditions that DO **NOT** reflect on the adequacy of the CCP QA program (e.g., NCRs for containers that have a prohibited item, or those involving acceptable knowledge). These NCRs are assigned Trend Code K or L in accordance with CCP-QP-014 (see also Attachment 4, Trend Codes).

NOTE

CCP Training will maintain a list of personnel designated to perform NCR validation and approve interim and final dispositions for Trend Code K NCRs.

[A] Interim and final dispositions for these NCRs may be validated and approved by designated CCP personnel. Those steps in Section 4.0 which include steps that designated CCP personnel may carry out, as described above, will be identified by "or CCP QA Designee."

[B] CCP QA must validate and approve NCRs which are not assigned Trend Code K.

[C] CCP QA will verify disposition completion and closure of **ALL NCRs**.

2.4.3 **IF** marking or tagging of a nonconforming item is impractical, **OR** segregation is impractical or impossible because of physical conditions,
THEN other precautions will be employed to preclude inadvertent use and shipment.

2.4.4 Nonconforming items will be documented by an NCR, including those found by CCP personnel at a supplier's facility or during a receipt inspection.

2.4.5 NCRs will be clearly identified and will describe the characteristics that do not conform to specified requirements.

2.4.6 NCRs will have a unique numbering and logging system and will account for all NCRs issued, including voided NCRs. An NCR log will be maintained (generated either manually or electronically by the generator site and the CCP Project Office) and will identify the following, as a minimum:

[A] NCR number

[B] Initiation date

[C] NCR Originator

This log is used to account for all NCRs issued during a calendar year at a generator site and the CCP Project Office.

The NCR numbering system will provide the capability to determine the following:

- Document is an NCR
- Site Designator (when applicable to remote-handled waste, include "RH" as a prefix to the site designator [e.g., Savannah River Site remote-handled waste = "RHSRS"])
- Number issued for the organization or site in that calendar year
- Calendar year issued
- Revision number

Examples of NCR Numbers

- NCR-INL-0001-12, Rev. 0
- NCR-SRS-0001-12, Rev. 1
- NCR-LANL-0001-12, Rev. 2
- NCR-RHANL-0001-12, Rev. 0

2.4.7 Nonconforming items will be controlled to prevent any adverse impact on test, installation, use, waste certification, or waste shipment. Organizations affected by the nonconformance will be notified.

2.5 Evaluation and Disposition

2.5.1 Once an NCR is validated, the NCR will be evaluated for significance and recurrence in accordance with Steps 4.2.6 through 4.2.10 of this procedure.

2.5.2 NCRs will be reviewed and recommended dispositions of nonconforming items will be proposed.

2.5.3 The disposition for nonconforming items will be identified and documented.

[A] The standard schedule for completing the NCR disposition is ninety (90) calendar days from the date of the final NCR disposition.

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[B] **IF** completion of the NCR is anticipated to take more than ninety (90) calendar days from the date of the final NCR disposition,
THEN the final disposition must identify the expected completion date.

[C] NCRs with a final disposition that is outside the control of CCP are exempted from the requirement to identify an expected completion date. These are typically NCRs where the disposition is to return the container to the Host location for correction of the nonconforming condition.

2.5.4 Interim dispositions will be used only when necessary to achieve a final disposition.

2.5.5 Items that do not meet original design requirements that are dispositioned Use-As-Is or Repair will be subject to design control measures commensurate with those applied to the original design. If changes to the specifying document are required to agree with the as-built condition, the disposition shall include a step to change the specifying document to agree with the as-built condition. Any document or QA record change required by the disposition of the nonconformance shall be identified in the nonconformance documentation, and when a document or record is changed, the justification for the change shall cite the nonconformance documentation.

2.5.6 The disposition of an item to be reworked or repaired will contain requirements to re-examine, inspect, test, or conduct nondestructive examination (NDE) to verify acceptability. Repaired or reworked items will be re-examined using the original process and acceptance criteria, unless alternative acceptance criteria or methods have been established and approved as part of the nonconforming item disposition.

2.5.7 Reject dispositions will be accompanied by instructions for the disposal of the item(s), such as Scrap or Return-to-Vendor, in accordance with applicable procedures.

2.5.8 Final dispositions will address all items described by the NCR and are limited to Use-As-Is, Reject, Repair, Rework, and Scrap. Validated NCRs cannot be closed until completion and verification of the final disposition.

2.5.9 NCRs are limited to only one Interim or Final Disposition type per NCR.

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2.5.10 Recommended dispositions will be evaluated and approved.

2.5.11 Further processing, delivery, installation, or use of a nonconforming item will be controlled, pending the evaluation and approval of the disposition.

2.6 Nonconformance Reporting Module (NCRM)

2.6.1 The NCRM will provide the capability for an accurate and timely assessment of the status of all NCRs.

2.6.2 The NCRM will provide the capability to trend NCRs for conditions adverse to quality.

2.6.3 The NCRM will provide, as a minimum, the following:

- NCR Number and Revision
- Initiation Date
- NCR Originator
- Responsible Manager
- BDR/Container (as applicable)
- Actual Condition
- Final Disposition
- Trend Code
- Closure Date

2.6.4 The NCRM is maintained in the CCP Project Office. The NCRM may also be updated by specified Host facilities.

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3.0 RESPONSIBILITIES

3.1 NCR Originator

3.1.1 CCP personnel who discover conditions adverse to quality are responsible for originating an NCR or ensuring an NCR is initiated.

3.1.2 Applies or ensures application of a CCP HOLD TAG or provides other segregation or control methods.

3.2 CCP QA

3.2.1 Validates the NCR.

3.2.2 Evaluates NCRs in accordance with this procedure.

3.2.3 Approves interim and final dispositions.

3.2.4 Ensures that NCRs are entered into the NCRM.

3.2.5 Verifies interim and final disposition completion and closes NCRs.

3.2.6 Applies, removes, or ensures application or removal of CCP HOLD TAGS (if applicable), and will reconcile the removed HOLD TAGS prior to releasing a container or closing an NCR.

3.2.7 Immediately notifies the SPM or Vendor Project Manager (VPM) when HOLD TAGS DO **NOT** reconcile or when orphaned HOLD TAGS are found in process areas.

3.2.8 Provides CCP Training with a notification of individuals who are designated to validate and approve dispositions for NCRs that are Trend Code K. These individuals will have been briefed and designated for this function by CCP QA.

3.2.9 Assists the NCR Originator as needed to determine status of all affected containers associated with NCRs initiated at the Project level.

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NOTE

CCP QA Designees are allowed to review and sign only NCRs that are assigned Trend Code K. All other NCRs must be reviewed and signed by CCP QA.

3.3 CCP QA Designee

3.3.1 Validates Trend Code K NCRs.

3.3.2 Approves interim and final dispositions for Trend Code K NCRs.

3.3.3 Ensures that NCRs are forwarded to the Host site CCP QA NCR Coordinator or the CCP Project Office NCR Coordinator for entry into the NCRM.

3.3.4 Applies, removes, or ensures application or removal of CCP HOLD TAGS (if applicable) for Trend Code K NCRs and delivers removed HOLD TAGS to CCP QA for validation of removal and reconciliation.

3.4 Responsible Manager

3.4.1 Provides interim and final dispositions to correct identified deficiencies.

3.4.2 Identifies resolutions to deficiencies and (when applicable) identifies actions to preclude recurrence.

3.4.3 Monitors progress of nonconformance resolution, including completion of dispositions in a timely manner.

3.4.4 Provides for the control of further processing, delivery, installation, or operation of nonconforming items or equipment.

3.5 CCP Site Project Manager (SPM) or Project Manager (PM)

3.5.1 Ensures NCR process is followed in accordance with this procedure and is accountable for the implementation of the nonconformance program.

3.5.2 Coordinates CBFO notification between the Certification Manager and the NCR Coordinator.

3.5.3 Prepares interim and final dispositions.

3.5.4 Verifies interim and final disposition completion.

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3.5.5 Ensures forwarding of validated and in-process NCRs to the CCP Project Office for NCRM updates, as necessary.

3.5.6 Ensures distribution of completed NCRs as required by applicable interface documents.

3.5.7 Notifies CBFO of nonconformances as required by this procedure.

3.5.8 Monitors to ensure timely completion of NCRs in their area of responsibility.

3.5.9 Carries out responsibilities of the Responsible Manager, when an NCR so specifies.

3.6 Vendor Project Manager (VPM)

3.6.1 Ensures site personnel evaluating and dispositioning NCRs have demonstrated competence in the specific area they evaluate, have an adequate understanding of the requirements, and have access to pertinent background information.

3.6.2 Monitors to ensure timely completion of NCRs in their area of responsibility.

3.6.3 Carries out responsibilities of the Responsible Manager, when an NCR so specifies.

3.6.4 Concurs with interim and final dispositions (as requested).

3.6.5 Ensures the application of CCP HOLD TAGS and, in coordination with CCP QA, ensures their removal after container resolution or NCR closure, as required, and will assure removed CCP HOLD TAGS are delivered to CCP QA for verification of removal and reconciliation.

3.6.6 Notifies the Host site representative of drums that are inaccessible with a request to make them available as soon as possible so that the drums may be monitored and tagged as soon as they are available.

3.7 NCR Coordinator (Site CCP QA serves as the QA Coordinator for the assigned site)

3.7.1 Maintains the NCR Log.

3.7.2 Distributes NCRs in accordance with this procedure.

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3.7.3 Submits closed NCRs to CCP Records.

3.7.4 Updates the NCRM.

3.8 CCP Training

3.8.1 Annotates each site-specific List of Qualified Individuals (LOQI) with a qualified statement for individuals who have been designated by CCP QA.

3.8.2 Maintains designation notifications in each individual's training file.

3.9 Certification Manager

3.9.1 Ensures a consistent review for all NCRs that have the potential to require CBFO notification according to the seven (7) calendar days notification requirement.

3.10 Waste Certification Official (WCO)

3.10.1 Assists the NCR Originator as needed to determine status of all affected containers associated with NCRs initiated at the Project level.

3.11 Packaging Manager

3.11.1 Reviews NCRs whose description is Transportation for 10 CFR, Part 71, *Packaging and Transportation of Radioactive Material,* applicability.

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4.0 PROCEDURE

4.1 NCR Initiation

NCR Originator

4.1.1 On identifying a nonconforming item obtain the latest issued revision of Attachment 1, CCP Nonconformance Report (NCR) from the sftp site.

NOTE

The NCR Coordinator in the CCP Project Office and the CCP QA representatives located at the Host sites maintain the NCR Logs. The CCP QA representatives located at the Host sites issue numbers when requested. The NCR Coordinator in the CCP Project Office issues NCR numbers for those locations without CCP QA at the Host site (e.g., ECL, ALD, etc.). Any NCR initiated after the Data Generation Level (DGL) validation and verification of a BDR will be designated as a project-level NCR and will be processed through the Carlsbad Project Office.

NOTE

Expert analyst review of Nondestructive Assay (NDA) results can result in preparation and attachment of NCR Hold tags after the NCRs are initiated.

4.1.2 Obtain an NCR number from the NCR Coordinator, OR obtain the NCR Number from the block of numbers assigned, **AND** enter the number and revision on all pages of Attachment 1.

NOTE

Block 1 of Attachment 1 is for entering applicable lot numbers when a procurement or supplier issue is identified. This block is not used to refer to certification lot numbers. Block 6 of Attachment 1 is for entering applicable suppliers. A site is not a supplier.

[A] Complete Blocks 1 through 7, as applicable, of the NCR form.

[A.1] Enter N/A (Not Applicable) for those blocks **NOT** applicable to the NCR Use Attachment 2, CCP Nonconformance Report [NCR] Continuation Sheet, whenever available space on this report is inadequate.

NOTE

An NCR shall be prepared for each nonconformance identified. Multiple containers and other items may be identified on one NCR provided the nonconformances are the same. Each NCR shall be initiated by the individual(s) identifying the nonconformance. For global NCRs where containers may be added without revising the NCR, the individual who identifies the nonconformance assures the container is added to the appropriate NCR.

Global NCRs should be reserved for those rare occasions when there is a physical issue with an entire waste stream or a container issue that causes a major physical effort with containers (e.g., shielded containers within a container, tape over vent holes, etc.) and will be issued through the project office.

For NCRs that are initiated for multiple BDRs and containers (Block 3), the relationship between containers and their applicable BDRs MUST be maintained. All NCRs shall be processed by knowledgeable and appropriate personnel.

An NCR may be prepared on a calendar-year basis to allow drums to be added without revision of the NCR, if there are a number of occurrences or an extended time period is anticipated. For global NCRs where containers may be added without revising the NCR, the individual who identifies the nonconformance assures the container is added to the appropriate NCR. In this case, the fact MUST be clearly stated on the NCR to add drums. Drums may NOT be added to global NCRs from a previous year. The existing drum list will not be carried forward to the new NCR number.

[B] **IF** the NCR is documented against a container and a BDR, **THEN** ensure that Block 3 correctly identifies the container number and BDR number, matching exactly the IDs identified in the BDR.

NOTE

NCRs generated during Project Level reviews in accordance with CCP-TP-001, *CCP Project Level Data Validation and Verification*, which are documented against BDR(s) and associated container(s) shall be managed through the Carlsbad Project Office and the NCR shall indicate a project level issue. The associated containers may require application of CCP HOLD TAGS and shall be controlled at the applicable Host site. The Responsible Manager shall ensure control of these containers and completion of Section 4.1.3[A].

NCR Originator/Waste Certification Official (WCO)/CCP QA

[C] The NCR Originator, with assistance from the Waste Certification Official (WCO) and CCP QA, will determine the status of all affected container(s) associated with NCRs initiated at the Project level as follows:

[C.1] **IF** the container(s) is (are) not in a shipping lot,
THEN go to step 4.1.3.

[C.2] **IF** the container(s) is (are) in a shipping lot,
THEN it must be determined whether the container is in Waste Data System (WDS).

(a) **IF** the container(s) is (are) in WDS **AND** the NCR is not data-affecting,
THEN go to step 4.1.3.

(b) **IF** the container(s) is (are) in WDS **AND** the NCR is data-affecting,
THEN the container(s) must be moved into pre-sub certification **OR** removed from WDS before the NCR can be validated by QA.

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NOTE

When it is determined that CCP HOLD TAGS will be applied, the CCP HOLD TAGS SHALL remain on the containers until the nonconforming condition has been resolved and the technical disposition has been implemented and verified under the CCP Program.

Other methods used to control the affected items may include segregation and the use of dual independent check systems (for non-compliant RH waste packages based on the ALARA principle) which utilize two separate and distinct processes and data sets for verifying waste packages are acceptable for shipment.

4.1.3 NCR Originator or CCP QA Designee

[A] Determine whether CCP HOLD TAGS will be applied **OR** whether other methods will be used to control the affected items, **AND** document in Block 7d of the NCR (if applicable).

[A.1] Apply CCP HOLD TAGS UNLESS one or more of the following conditions exist:

- **IF** containers are physically inaccessible, **THEN** inform the VPM to notify the Host site representative of drums that are inaccessible with a request to make them available as soon as possible so that the drums are monitored and tagged as soon as they are available
- Container is an RH container
- Other physical identification methods (i.e., Permanent Reject Labels Not Certifiable to WIPP)

[B] Enter the following minimum information on the CCP HOLD TAG as follows:

- NCR number
- Container or Item number
- BDR number (if applicable)
- Brief description of nonconforming condition
- Name, date, and signature of individual who applies the CCP HOLD TAG
- Limitations on further processing, if any

[C] Complete Blocks 7a, 7b, and 7c of Attachment 1

[C.1] Ensure that the 7b Requirement(s) correctly includes the procedure, revision, section, and quoted text, and that the 7c Actual Condition is accurate.

[C.2] Check the Transportation box in block 7a only when issues with TRAMPAC limits and packaging materials or conditions for shipped containers are identified.

[D] Print name, sign, and date Block 8.

NOTE

CCP QA Designees are allowed to review and sign only NCRs that are assigned Trend Code K. All other NCRs must be reviewed and signed by CCP QA.

4.1.4 Forward the NCR to the CCP QA Engineer, or CCP QA Designee (Trend Code K NCRs only), for review.

4.1.5 **IF** the NCR is initiated at the Host site, **AND** there is **NOT** an SPM/CCP QA Engineer or CCP QA Designee available, **THEN** carry out the following steps:

[A] Copy the NCR and forward it to the responsible individual at the Host site for NCR Log update, if needed.

[B] Forward the NCR to the NCR Coordinator in the CCP Project Office. The NCR Coordinator will initiate a review by a CCP QA Engineer in the CCP Project Office.

4.2 Review and Validation

CCP QA Engineer or CCP QA Designee

4.2.1 Review the NCR for the following, at a minimum:

[A] Verify that the identified condition and requirement meet the criteria for an NCR (i.e., hardware items or BDRs, or both) and **NOT a** programmatic or process failure, malfunction, or deficiency as specified in CCP-QP-006.

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NOTE

There may be instances where both an NCR and a CAR are appropriate. The NCR may be needed to provide control of nonconforming items, and the CAR may be needed to address programmatic issues relating to the nonconformance. In these instances, both shall be processed as required by each implementing procedure.

[B] **IF** the nonconformance is determined to meet the criteria for a CAR,
THEN void the NCR in accordance with Section 4.9, **AND** instruct the NCR Originator to initiate a CAR in accordance with CCP-QP-006.

[C] **IF** the NCR is documented against a container and a BDR,
THEN verify that Block 3 correctly identifies the container number and BDR number, matching exactly the IDs identified in the BDR.

[C.1] **IF** the IDs do not match,
THEN ensure there is a valid reason for the difference, such as WDS number prefixes, historical ID number differences, etc. OR ensure the numbers in question are captured on the AK Tracking spreadsheet and show a clear correlation between the two.

[D] Verify that the current revision of Attachment 1 has been used, the NCR number and revision are on all pages of the NCR, **AND** the form is filled out correctly.

[E] Verify that the identified requirement (procedure no., revision no., section, and quoted text) is correct and applies to the actual condition requiring disposition.

[F] Verify the disposition, if already documented in Block 19, was not completed prior to the date of NCR validation.

4.2.2 **IF** any inconsistencies, clarifications, or other concerns are identified, **THEN** resolve with the NCR Originator, **AND** reprocess in accordance with step 4.1.1.

4.2.3 **IF** the NCR is determined to be invalid,
THEN void the NCR in accordance with Section 4.9.

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NOTE

Steps 4.2.4 and 4.2.5 may be completed in any order.

4.2.4 Determine whether the identified condition has the potential to impact AK (i.e., related to waste stream variance, waste matrix code, etc.), and, if applicable, enter Trend Code L in Block 10. Refer to first NOTE before 4.2.12.

NOTE

CCP HOLD TAGS can be verified by physically placing or confirming tag placement on the container, or by receiving in writing from the VPM or CCP QA Designee. NCRs that are initiated at the project office may be issued with block 7d incomplete. Once notification is received by CCP QA that hold tags have been applied, update the NCR by completing block 7d. Completion of this block does not require NCR revision.

4.2.5 Verify that the Hold Tags have been applied as needed, **AND** complete Block 7d, if not addressed by NCR Originator or CCP QA Designee (see 4.1.3[A]).

NOTE

NCRs that do not involve a significant or recurring condition adverse to quality will not be screened in accordance with steps 4.2.7 through 4.2.10 (i.e., prohibited items, out of calibration range).

4.2.6 Initially determine whether a significant condition adverse to quality exists by comparing with the following criteria:

[A] Does the noncompliance adversely impact the capability to characterize, certify, or ship waste?

[B] Is the noncompliance a violation of the Hazardous Waste Facility Permit (HWFP)?

[C] Could the noncompliance have a serious effect on Health and safety of employees, the public, or the environment?

4.2.7 **IF** the initial determination is YES to any criterion in step 4.2.7 (see also 4.2.10),
THEN discuss with the CCP QA Manager, **AND** if directed, initiate a CAR in accordance with CCP-QP-006, control as a “Significant” condition, cite the NCR number and revision in the CAR, **AND** document the determination in an email to the NCR Coordinator, who will include it as part of the NCR QA record file.

4.2.8 **IF** the answer is NO to all criteria in step 4.2.7,
THEN search the Corrective Action Report Module (CARM) and NCRM to determine whether there are previous violations of the same requirement and the Actual Condition is the same or similar (recurring conditions adverse to quality).

4.2.9 **IF** three (3) or more NCRs are identified within the last 12 months, or two (2) in the past six (6) months,
THEN discuss with the CCP QA Manager, who will determine whether the recurring nature of the conditions represents a Significant Condition Adverse to Quality.

[A] Email the determination to the NCR Coordinator who will include it as part of the QA record file.

[B] If the determination of a Significant Condition Adverse to Quality is affirmed, check “yes” in NCR Block 12, and GO TO 4.2.8.

[C] Enter the assigned CAR number in Block 12 or 13 (if applicable). If the evaluation of a recurring condition is rejected, check block 13 “no.”

4.2.10 Identify the Trend Code using NCR Trend Codes in Attachment 4, **AND** enter the Trend Code in Block 10, if not previously identified in step 4.2.5.

4.2.11 NCRs that identify possible changes to the AK of a waste stream (Trend Code L) will be forwarded to the SPM as the Responsible Manager.

[A] **IF** re-evaluation is warranted as a result of:

- Inconsistencies noted during the process of comparing AK information to characterization results, **OR**
- The initiation of an NCR(s) identifies potential changes to the AK of a waste stream,

THEN the SPM notifies the AK Expert.

NOTE

Examples of possible changes to the AK of a waste stream are:

- Incorrect assignment of a waste container to a waste stream (e.g., sludge matrix in a debris container)
- Identification of unanticipated waste material parameters (WMPs) in a container (e.g., metal in a combustibles-only debris container)

NOTE

The Responsible Manager determination is based on negotiations and agreements between the SPM and/or CCP QA Engineer, or both, and applicable Responsible Managers.

4.2.12 Determine the manager responsible for resolution.

4.2.13 Enter the Responsible Manager's name in Block 11.

4.2.14 **IF** the NCR is determined to be valid,
THEN validate the NCR by signing concurrence in Block 14.

4.2.15 Forward the NCR to the NCR Coordinator at the Host site (if applicable) or the NCR Coordinator in the CCP Project Office.

NOTE

The SPM and/or CCP QA Engineer may, if deemed expedient, submit directly to the Responsible Manager NCRs that can be readily dispositioned, and then submit to the NCR Coordinator for processing.

4.3 NCR Processing

NCR Coordinator

4.3.1 At receipt of the NCR, carry out the following steps:

[A] Verify the NCR information matches information in the NCR Log.

[B] Enter the NCR information in the NCRM.

[C] **IF** the NCR Description in Block 7a is Transportation,
THEN forward a copy of the NCR to the Packaging Manager or designee for consideration of 10 CFR, Part 71, applicability and request the results of the review.

Packaging Manager

[C.1] Review NCRs whose description is Transportation (in block 7a) for 10 CFR, Part 71, applicability and email the NCR Coordinator the results of the review.

NCR Coordinator

[D] File a copy of the email from the Packaging Manager or designee with the NCR.

[D.1] **IF** the NCR was generated at or after the SPM signature level,
THEN forward a copy of the project-level NCR to the Certification Manager for review to determine whether CBFO notification is required in accordance with Section 4.3.1 [D.2] of this procedure.

Certification Manager

[D.2] **Review** the project-level NCR to determine whether any nonconformance first identified at or after the SPM signature release level (e.g., CCP-TP-001) does not meet applicable requirements of CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* or DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (i.e., a failure to meet a Data Quality Objective [DQO]), and if so,
THEN inform in writing or by email the NCR Coordinator and SPM, the latter of whom notifies the CBFO as required.

SPM

[D.3] Notify the CBFO in accordance with Attachment 3, Additional CBFO Notification Details, and as follows:

- **IF** the Certification Manager determined that the project-level NCR is reportable,
  THEN notify CBFO within seven (7) calendar days of identification of the deficiency.

- Copy the NCR Coordinator on the CBFO notification.

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[D.4] **IF** the NCR was unready for submittal when the initial notification was made,
THEN submit the NCR to DOE CBFO within thirty (30) calendar days of identification of the deficiency.

Certification Manager

[D.5] **IF** the project-level NCR is determined not to be reportable,
THEN email the NCR Coordinator that the NCR is not reportable.

NRC Coordinator

[D.6] Update the NCRM, **AND** file a copy of the CBFO notification and related e-mails with the NCR.

[E] Forward the NCR to the Responsible Manager.

4.4 Disposition Determination

Responsible Manager

NOTE
The Responsible Manager may assign responsibility for interim and final dispositions to responsible individuals (Blocks) 16a and 20 of the NCR), but maintains overall responsibility for NCR completion.

4.4.1 Determine the need for interim disposition, **AND**, if applicable, identify any additional approval requirements.

4.4.2 Complete Block 15a and 15b of the NCR, **AND** print name, sign, and date Block 16a.

4.4.3 **IF** interim disposition is **NOT** required, **THEN** check “N/A” in Block 15a.

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NOTE

Nonconforming items with their CCP HOLD TAGS may be further processed unless otherwise directed by the NCR. Specific limitations or actions identified in the approved NCR disposition must be written on the CCP HOLD TAG. However, no processing steps may be taken that would interfere with the ability to complete and accept the disposition stated in the NCR.

NCRs can have only one final disposition for the containers listed.

4.4.4 Evaluate the nonconforming condition, **AND** provide a final disposition to correct the identified deficiency.

4.4.5 Check the Final Disposition Type in the appropriate box in Block 19.

[A] **IF** the final disposition is expected to take more than ninety (90) days to implement, **AND** the disposition can be implemented by CCP,
THEN include the anticipated completion date in the final disposition (see step 2.5.3 for additional detail).

NOTE

Final dispositions may be deferred until after completion of interim dispositions, if applicable and if deemed necessary.

NOTE

Use-As-Is dispositions MUST **NOT** specify any actions. The nonconforming condition remains as identified in Section 7c and the technical justification provides for acceptance.

4.4.6 **IF** the disposition is Use-As-Is,
THEN provide Technical Justification in Block 19a.

4.4.7 **IF** the disposition is Repair,
THEN provide Technical Justification in Block 19a and instructions for completion in Block 19b.

NOTE

When containers that have been characterized are identified on an NCR and the disposition specifies that the containers are to be returned to the Host site for correction of the nonconforming item they shall have a Final Disposition of Reject, with Instructions for Completion "Return to Host site" or similar. For these containers, the NCR is **NOT** closed, and the container returned to the Host site with the CCP HOLD TAG attached to the container (e.g., a container has a prohibited item and requires remediation to bring the container into compliance with CCP-PO-001 acceptance criteria). For such containers, CCP HOLD TAGS SHALL **NOT** be removed until nonconforming conditions have been corrected **AND** verified by CCP under the CCP Program. Any orphaned tags found SHALL be presented to CCP QA for action to be taken in accordance with step 4.7.4[A].

4.4.8 **IF** the disposition is Reject or Scrap,
THEN provide instructions for completion in Block 19b.

4.4.9 **IF** the nonconforming condition is data which requires that the container be rerun through that characterization (e.g., NDA, Real-Time Radiography [RTR] or Visual Examination [VE], Head Space Gas [HSG], Flammable Gas Analysis [FGA], Gas Generation Testing [GGT]),
THEN the NCR will disposition the container as Reject.

4.4.10 **IF** the nonconforming condition is data for the container that will be corrected without rerunning the container through characterization (e.g., NDA, RTR or VE, HSG, FGA, GGT),
THEN the NCR will disposition the container as Rework.

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NOTE

Some open NCRs exist from a time before creation of the present database. Using step 4.4.9, if these NCRs had been documented with a rework disposition, revise the NCR to change the disposition to reject, allowing the status of the individual containers to be updated in the NCRM as "Resolved" when the resolution for the drum has been completed.

If dispositions have been completed prior to revision of the NCR, the containers may be removed from the NCR, but will remain in the NCRM and be resolved in the NCRM based on the clearly stated reason for revision, and provide objective evidence documenting completion of the actions.

NOTE

NCRs documented on containers that have been characterized, and the nonconformance identifies that the condition is such that the container associated documentation has to be corrected to be certifiable and shippable shall have a final disposition of rework. The container and applicable BDR will also be administratively controlled in NCRM with a status of NCR Hold until resolution of the nonconforming condition.

NOTE

Copies of NCRs that are to be included in the applicable BDRs that identify the container as nonconforming must have an approved disposition before insertion in the BDR.

4.4.11 **IF** the disposition is Rework,
THEN provide instructions for completion in Block 19b.

4.4.12 **IF** changes to the specifying document are required to agree with the as-built condition,
THEN ensure the disposition requires action to change the specifying document to agree with the accepted nonconformance.

4.4.13 **IF** a document or QA record change is required by the disposition of the nonconformance,
THEN identify in the disposition.

4.4.14 **WHEN** a document or QA record is changed as a result of the NCR disposition,
THEN ensure that the document or QA record cites the NCR number.

NOTE

Dispositions for Repair, Rework, and Actions to Prevent Recurrence (if applicable) MUST identify all actions to resolve the nonconforming condition completely. The Responsible Manager or individual may assign completion dates for required actions to meet project requirements and commitments.

4.4.15 Evaluate the need for Actions to Prevent Recurrence (Repair or Rework), **AND** document corrective action(s) or "N/A" in Block 19c.

4.4.16 Identify any additional approval requirement, if applicable, **AND** document in appropriate block(s).

4.4.17 Print name, sign, and date Block 20, **AND** forward the NCR to the CCP QA Engineer.

CCP QA Engineer or CCP QA Designee

NOTE

CCP QA Designees are allowed to review and sign in blocks 14, 16b, and 21 only NCRs that are assigned Trend Code K. All other NCRs must be reviewed and signed by CCP QA.

CCP QA Designees must ensure that they are included on the appropriate List of Qualified Individuals for validation and disposition approval of Trend Code K NCRs prior to implementing this function.

4.4.18 Review the NCR and determine the following:

[A] The disposition (Interim or Final) adequately addresses measures to be taken to correct the identified deficiency.

[B] The disposition (Interim or Final) has been completed in accordance with Section 4.4.

[C] Actions to prevent recurrence (as applicable) address adequate measures to control recurrence.

[D] Assure any attachments have been completed as required by Section 4.10.

4.4.19 **IF** disposition is deemed appropriate,
THEN approve by completing Block 16b (Interim) or Block 21 (Final), **AND** GO TO step 4.4.20.

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4.4.20 **IF** disposition is deemed to be deficient,
THEN recommend changes, resolve with the Responsible Manager, **AND** reprocess according to Section 4.4.

4.4.21 **IF** the NCR is initiated by the DGL against a container or BDR,
THEN copy the validated and dispositioned NCR, **AND** submit it to the appropriate DGL process to be included in the BDR, **OR,** if an NCR revision, to be submitted with the corrected data as an update to the BDR.

4.4.22 **IF** the NCR is initiated by the CCP Project Office against a container or BDR during CCP-TP-001 review,
THEN copy the validated and dispositioned NCR, **OR,** if an NCR revision, **AND** forward a copy to the SPM to be included in the BDR.

4.4.23 **IF** the NCR is initiated by the CCP Project Office against a container or BDR, **AND** the disposition is required to be completed at DGL that correct data in an existing BDR,
THEN, at DGL, include a copy of the validated and dispositioned NCR, **OR,** if an NCR revision, with the corrected data as an update to the BDR.

4.4.24 Forward the NCR to the NCR Coordinator.

4.5 NCRM Update

NCR Coordinator

4.5.1 At receipt of the NCR:

[A] Enter the NCR in NCRM.

[B] Retain the NCR and any attachments in a working file until NCR closure.

4.6 Disposition Completion

Responsible Manager/VPM/ SPM

4.6.1 Monitor disposition completion to assure timely completion.

Responsible Manager

4.6.2 At completion of the required dispositions (Interim or Final), request the original (if necessary) from the NCR Coordinator.

4.6.3 Provide objective evidence of completion of disposition (Interim, Final, and Actions to Prevent Recurrence) by one or more of the following:

[A] Prepare attachments as required by Section 4.10.

[B] Cite traceable documentation that substantiates completion of dispositions and actions to prevent recurrence.

[C] Sign and date statement(s) of fact or include as attachment.

NOTE

Discussions with the SPM may be conducted to review the documentation that substantiates completion of dispositions prior to formal submittal to ensure that the documentation is adequate.

4.6.4 Document in an attachment prepared as required by Section 4.10 that substantiates completion of dispositions (as applicable).

4.6.5 Print name, sign, and date Block 16a (Interim) or Block 22 (Final), or both, **AND** submit original NCR with attachments (if applicable) to the CCP QA Engineer.

4.7 Completion Verification and Closeout

CCP QA Engineer

NOTE

Although nonconforming items may, under certain controlled circumstances, be allowed to continue through normal processing with an open NCR, the approved disposition(s) must always be implemented **AND** verified prior to NCR closure.

4.7.1 Review the NCR and verify the following:

[A] Attachments provide traceability to objective evidence substantiating completion of disposition.

[B] Documentation provides adequate objective evidence of completion of disposition.

[C] Attachments (if applicable) have been completed as required by Section 4.10.

[D] Review the NCR and all attachments (if applicable) to assure conformance to applicable requirements.

4.7.2 Document the Attachment number(s) in Block 23 as needed. If no attachments, enter “N/A.”

4.7.3 **IF** Interim disposition **AND** other requirements in accordance with step 4.7.1 are satisfactorily completed,
THEN print name, sign, and date in Block 18, **OR** continue to step 4.7.4 for Final Disposition.

4.7.4 **IF** Final Disposition,
THEN ensure removal of all CCP HOLD TAGS as required, either by removing them personally or in coordination with the VPM or CCP QA Designee. Reconciliation will be so noted by checking the box in Section 24 of Attachment 1 prior to closing the NCR.

[A] **IF** reconciliation identifies missing tags,
THEN immediately notify the SPM/VPM.

NOTE

Checking the appropriate box in Block 24a or 24b of Attachment 1 is confirmation that CCP QA has validated the basis for the removal of CCP HOLD TAGS and has verified that all CCP HOLD TAGS have been removed or reconciled as applicable. Complete this step prior to proceeding to step 4.7.5.

4.7.5 Print name, sign, and date Block 25.

4.7.6 **IF** disposition (Interim **OR** Final) **AND** other requirements in accordance with step 4.7.1 are **NOT** satisfactorily completed,
THEN return to Responsible Manager (with detailed reasons for return) for correction and resubmittal.

4.7.7 Determine any distribution requirements as identified in applicable interface documents.

4.7.8 Forward the closed NCR and applicable attachments to the NCR Coordinator.

4.8 Closeout

NCR Coordinator

4.8.1 At receipt of the closed NCR:

[A] Update the NCR in the NCRM.

[B] Distribute as required.

[C] Submit the completed NCR with attachments, if applicable, to CCP Records in accordance with CCP-QP-008, *CCP Records Management*.

4.9 Voiding the NCR

Originator/CCP QA Engineer

NOTE

When voiding an NCR, the detailed justification may be written anywhere on the NCR form as long as it does not obliterate existing information. If this is not possible, use Attachment 2, or create an attachment in accordance with CCP-QP-008.

4.9.1 **IF** an NCR is determined to be invalid during the review in accordance with Section 4.2 (prior to NCR validation),
THEN:

[A] On the NCR, document the detailed justification for voiding, **AND** ensure that the NCR Originator and the CCP QA Engineer print name, sign, and date.

[B] Forward the NCR to the NCR Coordinator.

[C] GO TO step 4.9.4.

Responsible Manager/SPM/CCP QA Engineer/NCR Originator

4.9.2 **IF**, at any time after NCR validation, the NCR Originator, the SPM, the Responsible Manager, and the CCP QA Engineer agree that it is appropriate to void a validated NCR,
THEN:

[A] On the NCR, document the technical justification for voiding, **AND** ensure that the NCR Originator, the SPM, the Responsible Manager, and the CCP QA Engineer print name, sign, and date.

[B] Stamp or write “void” on the first page of the NCR, initial, and date.

[C] Forward the NCR to the NCR Coordinator AND a copy of the NCR to the SPM.

NCR Coordinator

4.9.3 Verify Section 24 of Attachment 1 (NCR) has been completed.

4.9.4 Update the NCR Log identifying that the NCR is voided.

4.9.5 Input the NCR into NCRM.

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4.9.6 Submit voided NCR to CCP Records in accordance with CCP-QP-008.

4.9.7 Ensure a copy of the NCR is submitted to the appropriate DGL personnel as required by CCP-TP-001.

4.10 Attachments

NCR Originator/SPM/CCP QA Engineer/Responsible Manager

4.10.1 When using attachments to an NCR:

[A] Identify the NCR number and revision number on each page of the attachment.

[B] Identify the attachment number.

[C] Paginate each page of the attachment.

EXAMPLE:
NCR-LANL-0700-06, Rev 0, Attachment 1,
Page 1 of 1

NCR-SRS-0800-06, Rev 1, Attachment 3, Page 1 of 6,
2 of 6, etc.

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NOTE

Before validation (Block 9), technical changes may be lined through and the correct data entered, initialed, and dated.

Editorial changes (correcting grammar or spelling, renumbering sections, attachments or pagination; transcription errors and date) that DO **NOT** affect technical content may be lined through and the correct data entered, initialed, and dated at any time during the life cycle of the NCR.

Technical changes are defined as changes to container and/or BDR identifications, Interim and Final Dispositions, Actual Conditions, and Required Conditions (which do not meet editorial definition, as described above). Redistribution is required.

4.11 Revisions and Corrections

NCR Originator/SPM/Responsible Manager

4.11.1 After validation of the NCR, change technical content by revising the NCR as follows:

[A] Obtain a blank copy of the current revision of the NCR from the sftp site.

[B] Apply next sequential revision number to all pages of the NCR and all attachments.

[C] Document the reason for revision in Block 7c.

[D] Supersede the previous revision by drawing a diagonal line across the first page of the NCR, **AND** adding a statement, "Superseded by Revision # (next sequential revision #)," **AND** initial and date.

[E] Attach the superseded revision to the new revision.

[F] Submit new revision for review and approval in accordance with Section 4.2.

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4.12 NCR Log Reconciliation - CCP Project Office and Host Site

NCR Coordinators/CCP QA Engineer

4.12.1 At the end of the calendar year, reconcile NCR numbers issued with NCR logs maintained at Host sites (where applicable), the NCR Log, and the NCRM, as follows:

CCP QA Engineer:

[A] Verify that all NCR numbers issued and that appear in the Host Site Log, are accounted for in the NCRM.

[B] Resolve all discrepancies identified with the NCR Coordinator.

[C] Prepare and submit a report to the NCR Coordinator that documents the reconciliation effort.

NCR Coordinator

4.12.2 Reconcile NCR numbers issued to the CCP QA Engineer at Host sites with the NCR Log, based on the report submitted by the CCP QA Engineer.

4.12.3 Annotate any NCR numbers **NOT** used during the year as "Number Not Used" in the Report.

4.12.4 Submit the NCR Reconciliation Report to CCP Records in accordance with CCP-QP-008.

4.13 Work Suspension and CBFO Stop Work Orders

Personnel Working

4.13.1 During Normal Work

NOTE

Any CCP employee concerned with employee safety, the safety of the environment, or the quality of the work has the responsibility and authority to suspend that work.

[A] **IF** work CAN **NOT** be carried out as specified in a procedure **OR** continuing work would result in an undesirable situation, a condition adverse to quality or the environment, or an unacceptable safety risk,
THEN suspend work in a safe configuration **AND**, inform the Lead Operator (LO) or VPM.

Lead Operator or Vendor Project Manager

[B] Resolve the concerns of the employee or inform the SPM of the work suspension and the reason it is suspended.

CCP Management

[C] Resolve the concerns prior to resuming operation **OR** initiate actions to correct the condition using existing procedures. In either event, keep the employee who raised the concern informed of actions taken in response.

[D] Initiate the appropriate documentation in accordance with CCP-QP-004, *CCP Corrective Action Management,* CCP-QP-005, and CCP-QP-006, as applicable to the situation.

4.13.2 During Development of Corrective Actions

CCP Management or CCP QA

[A] During evaluation of significant conditions adverse to quality in accordance with CCP-QP-004, document the determination whether to suspend work.

[A.1] **IF** the decision is to suspend work,
THEN issue a written directive (e.g., memo, e-mail, Standing Order) to the SPM, VPM, or other responsible personnel, identifying the work to be suspended.

[B] Document the actions to be taken or conditions to be met before restarting suspended work.

[C] Resolve deficient conditions, as applicable, to allow restart of suspended work.

CCP QA

[D] During review of the documentation for the significant condition adverse to quality, approve the corrective actions needed to restart suspended work.

[E] Verify completion of corrective actions needed to allow restart of the suspended work.

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SPM

[F] **WHEN** all corrective actions have been completed and verified,
THEN direct restart of suspended work.

4.13.3 CBFO Stop Work Orders

NOTE
CBFO is authorized to issue Stop Work Orders for the protection of the environment and health and safety of CCP employees and the public.

CCP Personnel

[A] Immediately comply with the terms of any Stop Work Order issued by the CBFO.

CCP Management

[B] Accept direction set forth in CBFO Stop Work Orders and carry out such directives in a safe and responsible manner in accordance with established procedures.

[C] Submit Stop Work Orders and related documentation to CCP Records according to CCP-QP-008.

5.0 RECORDS

5.1 Records generated during implementation of this procedure are maintained and controlled as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent Records

- Attachment 1, CCP Nonconformance Report (NCR) (including related emails and supporting documentation [if applicable])
  - Attachment 2, CCP Nonconformance Report (NCR) Continuation Sheet (if applicable)
  - CBFO Notifications (if applicable)
- NCR Reconciliation Report
- CCP NCRM Database
- Written Directive to suspend work (e.g., memo, email [if applicable])

Attachment 1 – CCP Nonconformance Report (NCR)

CCP NONCONFORMANCE REPORT (NCR)

(Use NCR Continuation, Attachment 2, if necessary)

NCR No. **NCR-** Revision:

1. Lot No., Heat No., or Serial No. (if applicable):	**2. Process (e.g., NDA, HSG, NDE, VE, Other):**	**3. Batch Data Report #(s):**
4. Order/Work Order/Job Control Number (if applicable):	**5. PO # (if applicable):**	**Container #(s):**
	6. Supplier (if applicable):	

DESCRIPTION OF NONCONFORMANCE

7a. NCR Description: ☐ < 100 nCi/g ☐ Prohibited Item ☐ E-Flag ☐ Receipt Inspection ☐ Transportation ☐ WWIS/WDS ☐ Other

7b. Requirement(s) (Enter Implementing Procedure No., Revision, Section No., & Quoted Text):

7c. Actual Condition:

7d. Have the CCP HOLD TAGS associated with this NCR been applied? ☐ **YES** ☐ **NO** **(If no is checked, explain:)**

8. NCR Originator:

printed name _____ signature _____ date _____

9. Does the identified condition have the potential to impact AK? ☐ **YES** ☐ **NO** ☐ **INDETERMINATE**
If YES or INDETERMINATE, enter Trend Code L in Block 10.

10. Trend Code:	**11. Responsible Manager:**
12. Significant Condition? ☐ **YES** ☐ **NO** **(If Yes, enter CAR No.:)**	**13. Recurring Condition?** ☐ **YES** ☐ **NO** **(If Yes, list NCRs and CARs:)**

14. CCP QA Engineer or CCP QA Designee validation:

printed name _____ signature _____ date _____

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. **NCR-** Revision:

INTERIM DISPOSITION

15a. Interim Disposition (Check Only One):

☐ N/A (See Final Disposition) ☐ Hold ☐ Conditionally Accept ☐ Conditionally Use

☐ Sort ☐ Reinspect or Retest ☐ Remediate

15b. Instructions for Completion of the Interim Disposition:

INTERIM DISPOSITION APPROVALS

16a. Responsible Manager or Individual:			**16b. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

COMPLETION OF INTERIM DISPOSITION

17. Interim Disposition Complete – Responsible Manager or Individual:

printed name signature date

18. Interim Disposition Verified – CCP QA Engineer:

printed name signature date

Attachment 1 – CCP Nonconformance Report (NCR) (Continued)

NCR No. **NCR-** Revision:

FINAL DISPOSITION

19. Final Disposition (Check Only One):
☐ **Use-As-Is** ☐ **Repair**

19a. Technical Justification – Required for Use-As-Is or Repair dispositions. (Enter "N/A" for Reject, Rework, and Scrap:)

☐ **Reject** ☐ **Rework** ☐ **Scrap**

19b. Instructions for Completion – Required for Reject, Repair, Rework, or Scrap. (Enter "N/A" for Use-As-Is:)

19c. Corrective Actions (Actions to Prevent Recurrence – For Repair or Rework, if applicable. Enter "N/A," if not applicable, and for Use-As-Is, Reject, and Scrap):

FINAL DISPOSITION APPROVALS

20. Responsible Manager or Individual:			**21. CCP QA Engineer or CCP QA Designee:**		
printed name	signature	date	printed name	signature	date
Additional Approvals:			**Additional Approvals:**		
printed name	signature	date	printed name	signature	date

CLOSURE

22. Final Disposition Complete – Responsible Manager or Individual:

printed name signature date

23. Attachments:

24a. HOLD TAG removal has been verified and reconciled for all nonconforming items on the NCR. ☐
24b. Check if not applicable (N/A) and explain. ☐

25. Final Disposition Verified – NCR Closed **CCP QA Engineer:**

printed name signature date

Attachment 2 – CCP Nonconformance Report (NCR) Continuation Sheet

NCR No.	Revision	Attachment #	Page	of
Continuation from Section Number:				

Attachment 3 – Additional CBFO Notification Details

This attachment details reporting notification requirements for CCP-generated Nonconformance Reports (NCRs) which meet the condition identified in CCP-PO-001, Section C3-13, and 4.3.1[D.5] of this procedure.

WIPP e-mail Address: wipp.notify@wipp.ws

Electronic notification is strongly encouraged. If electronic notification is used, the following criteria are required:

On the subject line, preceding the subject, [ncr]. The term “ncr” in brackets [ ] allows the automatic transfer into the proper folder of the receiving system.

Include the NCR number, description of the deficiency, and the date identified.

CCP must email an NCR containing CCP’s procedurally required information thirty (30) days after the nonconformance was identified.

CCP may choose to transmit the NCR within the required seven (7) days, and satisfy both notification requirements, provided the following information is submitted:

- Site NCR #
- Responsible Organization
- Date initiated
- Individual who identified the NCR
- Deficiency
- Requirement violated
- Actions
- Date closed, if applicable

General Notification

If CCP does not have the capability of transmitting documents by e-mail, or elects not to, hard-copy transmittal may be used instead. Correspondence must be sent to the following address:

[Assigned CBFO Contact]
Carlsbad Field Office
U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

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Attachment 4 – Trend Codes

Trend Codes	Descriptions	Definitions and Examples
A*	Personnel Error and Failure to Follow Procedure	Personnel wrongly entered data or transposed figures or letters; inattention to detail; lack of understanding; use of superseded or incorrect version of specifying document; used procedure, but before required approval(s); required review missed problem(s); failed to follow procedure(s); deliberate violation.
C	Engineering Deficiency	Inadequate or erroneous engineering design, design input, or design output.
D	Procedure Less Than Adequate	Procedure erred or was vague in specifying requirements; failure to revise procedure when work processes change; no procedure to control QA work.
E	Software Deficiency	Software error resulted in deficient data; unqualified software used to obtain QA data; failure to initiate software qualification process; failure to verify software following software or operating system upgrade.
F	Vendor Deficiency	Deficiencies related to a vendor (i.e., procured item including hardware does not meet a requirement prescribed in the purchase order); wrong or less than adequate vendor documentation.
H	Material or Equipment Control Deficiency	Failure of material, equipment, or items because of damage, failure of a component, inadequate maintenance, etc.

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Attachment 4 – Trend Codes (Continued)

Trend Codes	Descriptions	Definitions and Examples
I	Calibration Deficiency	Calibration was inadequate, resulting in nonconforming or indeterminate data; use of out-of-calibration M&TE.
J	Inadequate Documentation	Record is nonconforming: does not include required data; required data are incorrect; record(s) improperly stored.
K	WAP/WAC Deficiency	Noncompliance with a WAP or WAC requirement **(Exempt from trending)**.
L	Acceptable Knowledge Deficiency	Possible changes to the AK of a waste stream (e.g., assignment of waste container to wrong waste stream; identification (ID) of unanticipated waste material parameters in a waste container) **(Exempt from trending)**.
M	Inadequate Communication	Personnel were given ambiguous or incorrect information or instructions to do their work; inadequate or lack of planning.
O	Ineffective Control of Corrective Action	Actions intended to correct deficiencies or preclude recurrence proved ineffective; identification of nonconforming item(s) less than adequate.
P	Inadequate Training	Condition Adverse to Quality resulted from lack of or inadequate indoctrination, training, or qualification; work done before indoctrination, training, or qualification or after qualification expired.
Q	Deficiency Caused by Others	The deficiency was caused by non-WTS personnel working to non-WTS QA program or none at all.
R	Control of Electronic Data Less Than Adequate	Inadequate security access control; inadequate protection of data; failure to backup data; inadequate traceability of data; failure to verify transferred data.

* Former Trend Code B was combined with A.

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CCP-QP-008

Revision 21

CCP
Records Management

EFFECTIVE DATE: 02/28/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
6	03/11/2002	Additions for use of e-QA system
7	06/07/2002	Incorporation of instructions for pagination and removal of text in Attachments.
8	09/04/2002	Added the definition of magnetic tape and incorporated text to clarify the requirements of computer generated electronic records (clarified steps 2.3.7 and 4.8.3). Updated Attachment 2 to reflect new fax machine number. Added new steps regarding duties for the CCP Site Project Manager and the release of records (steps 3.1 and 4.7).
9	08/27/2003	Updated to reflect issuance of Revision 5 of the QAPD. Made other editorial changes. Separated electronically fillable forms and updated references in the procedure.
10	10/15/2004	Clarified CCP Personnel and Facility Records Custodian responsibilities. Editorial changes throughout.
11	08/22/2005	Reorganized sections for improved flow and added clarifications. Deleted Attachments 3 through 6.
12	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
13	04/24/2007	Revised to change title in responsibilities and body of procedure and to add statement (Note) from QAPD and remove verbiage about in-process records.
14	09/19/2007	Revised to address finding from U.S. Department of Energy, Carlsbad Field Office, Corrective Action Report 07-016, Audit A-07-24. Also revised to provide some clarifications within the procedure, added a step to address superseding and voiding of documents (i.e., Batch Data Reports, Nonconformance Reports), and added a note at the beginning of section 4.9 to address computer modeling results methods.
15	10/28/2009	Revised to make personnel title changes and name changes to organizations. Added section 4.7.1[G] for lost records as well as a section for receipt and handling of Official Use Only (OUO) and Unclassified Controlled Nuclear (UCN) documents.
16	07/06/2010	Revised to clarify and address the submittal of historical source documents.

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RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
17	11/02/2010	Revised to change the submittal process for Acceptable Knowledge (AK) documentation and section on historical source documents.
18	03/30/2011	Revised to support corrective action report (CAR)-LANL-0004-10.
19	08/02/2011	Revised to change the number of the form in the definition of retention period. Change to Section 4.8 for clarification.
20	08/10/2012	Revised to clarify editorial changes, transmitting of records, and destruction of QA records.
21	02/28/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Training Requirements 6
2.3 Definitions 6

3.0 RESPONSIBILITIES 12
3.1 CCP Manager or Designee 12
3.2 Cognizant Manager 12
3.3 Lead Records Custodian 12
3.4 Records Custodian 13
3.5 Facility Records Custodian 13
3.6 WIPP Records Management Services (WRMS) 14
3.7 Personnel 14
3.8 WRMS Manager 14

4.0 PROCEDURE 15
4.1 Generation of Records 15
4.2 Legibility 15
4.3 Accuracy 15
4.4 Completeness 16
4.5 Storage, Maintenance, Control, and Protection of QA Records 16
4.6 Records Separation and Availability 18
4.7 Corrections, Additions, Revisions, Supplements, and Lost Records 18
4.8 Quality Assurance (QA) Record Authentication/Validation 22
4.9 Generation, Protection, and Preservation of Computer Generated Electronic Records 23
4.10 Transmitting Records 25
4.11 Unclassified Controlled Nuclear Information (UCNI) and Official Use Only (OUO) Documentation 26
4.12 Internal Use Only (IUO) and No Foreign National (NOFORN) 28
4.13 Receiving Quality Assurance (QA) Records 29
4.14 Retrieval of Original Records from CCP Records at the Project Office 30
4.15 Destruction of QA and Non-QA Records 30

5.0 RECORDS 33

LIST OF ATTACHMENTS

Attachment 1 – Written Request for Records Destruction (Example) 34
Attachment 2 – CCP Records Transmittal/Receiving Form 35

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1.0 PURPOSE

This document outlines the Central Characterization Program (CCP) Records Management Program. The records program involves CCP Records and interaction with WIPP Records Management Services (WRMS) as outlined in this procedure.

1.1 Scope

This procedure applies to the creation, maintenance, use, and disposition of records generated by the CCP.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document* (QAPD)

Referenced Documents

- *National Archives Records Administration (NARA) Approved Record Schedules*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Definitions

2.3.1 **Authentication** - Synonymous with validation.

2.3.2 **Computer System** - A configuration, or working combination, of hardware, software, and data communication devices.

2.3.3 **Destruction** - The physical destruction of records by shredding, incinerating, or other permanent means.

2.3.4 **Disposition** - The action taken regarding records no longer needed for current government business. Actions may include transfer to the Carlsbad Field Office (CBFO) Records Holding Facility or Federal Records Center, transfer from one federal agency to another, transfer of permanent records to the National Archives and Records Administration (NARA), or destruction of nonpermanent records.

2.3.5 **Electronic Record** - A record in a form that is readable only by a computer. Electronic records are most frequently recorded on media such as disk, diskette, tape, and tape cartridges.

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2.3.6 **External Records** - Records generated by the waste generating sites (e.g., procurement records, procedures, radiological surveys, facility operating logs, container packaging records, historical source documents, etc.). These records are not subject to the requirements of this procedure concerning legibility, pagination, accuracy, completeness, or revision.

2.3.7 **Inactive Record** - A record no longer required to conduct government business and therefore dispositioned in accordance with approved records schedules and stored for authorized retention periods.

2.3.8 **Index** - A listing of records and cross-reference information. At a minimum, an index will indicate record location within the record filing and storage system.

2.3.9 **Internal Use Only (IUO)** - A document that has been identified as Internal Use Only (IUO) and is considered proprietary, which is not to be disseminated beyond the organization.

2.3.10 **Legible** - For the purpose of this document, legible means that the characters, letters, and numbers making up data or information contained in a record can be read without difficulty or magnification.

2.3.11 **Lifetime QA Records** - Records that are required to be retained and preserved in an acceptable condition for the operating life of the repository (i.e., until termination of the repository permit). Prior to destruction of any lifetime record, it shall be evaluated for upgrade to a post-closure record.

2.3.12 **Magnetic Tape** - A tape with a magnetizable surface on which data can be stored and retrieved. A tape or ribbon of any material impregnated or coated with magnetic or other material on which information may be placed in the form of magnetically polarized spots.

2.3.13 **Medium** - Refers to the physical form of recorded information such as paper, film, disk, magnetic tape, or other materials on which information can be recorded.

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2.3.14 **Microfilming** - A photographic process used to record images of records on a fine-grain, high-resolution film in sizes greatly reduced from the original. Formats in general use are rolls of 16 millimeter (mm) images, pages of 16 mm images called microfiche, and 35 mm images mounted in aperture cards. Microform is a generic term for all microfilm formats.

2.3.15 **Migrate** - In electronic records, the process of moving from one computer system to another.

2.3.16 **National Archives and Records Administration (NARA)** - An independent government agency responsible for establishing policies and procedures for managing the records of the federal government. NARA exercises final authority for approving the disposition of government records.

2.3.17 **Nonpermanent Records** - Records having value for a specific, limited time and authorized by NARA (via approved disposition schedules) to be destroyed after that time. Nonpermanent records are sometimes referred to as temporary records.

2.3.18 **No Foreign National (NOFORN)** -No Foreign National (NOFORN) is a marking that identifies a document is not to be given to a person who is a foreign national – not a United States citizen.

2.3.19 **Nonrecord Material** - Those classes of documentary or other material that fail to meet the general definition of a record or fall under one of the following categories: (a) library or museum material made or acquired for reference or exhibition purposes; (b) extra copies of documents preserved only for convenience of reference on which no action is recorded or taken; (c) stocks of publications or other processed documents that require no action and are not part of a case on which action is taken; (d) routing slips and transmittal sheets adding no information to that contained in the transmitted material (i.e., concurrences or direction on how to proceed or implement); and (e) papers of a private or nonofficial character that pertain to an individual's private affairs.

2.3.20 **Official Use Only (OUO) Information** - Certain unclassified information that may be exempt from public release under the Freedom of Information Act and has the potential to damage governmental, commercial, or private interests if disseminated to persons who do not need to know the information to perform their jobs or other U.S. Department of Energy (DOE) authorized activities.

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2.3.21 **Personal Papers** - Materials of a private nature maintained by personnel at their work place that DO **NOT** relate to, or have an effect on, the conduct of business or activities related to the CCP. Personal papers maintained in desks and file drawers in the work place must at all times be segregated and stored separately from records.

2.3.22 **Post-closure Records**

- Records that assist in preventing action that could impair the long-term isolation of the waste.
- Records preserving information that would prevent inadvertent human intrusion, such as the nature and hazard of the waste and locations of the geologic repository operation area, the underground facility, bore holes, shafts, and boundaries of the controlled area.
- Records providing information relevant to post-closure monitoring and assessment of performance of the repository system.
- Records preserving, for future generations, information regarding the geologic setting relevant to mitigation of releases of radioactive materials.
- Records which would be of significant value after decommissioning and closure of the repository.

2.3.23 **Privacy Record** - Any item, collection, or grouping of information about an individual that contains his or her name or other personal identifier.

2.3.24 **Project Participant** - Any DOE site, generator site, or contractor organization that participates in a CBFO program. Subcontractor's records are the responsibility of the participant.

2.3.25 **Project Records** - Records created or received in support of the CCP.

2.3.26 **Quality Assurance (QA) Record** - An authenticated record that provides objective evidence of the quality of items or activities.

2.3.27 **Record Medium** - Refers to the physical form of recorded information such as paper, film, disk, magnetic tape, or other materials on which information can be recorded.

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2.3.28 **Records** - Those classes of documentary materials which may be disposed of only after the archival authority is obtained. The statutory definition of records (44 United States Code §3301, Definition of Records), "...includes all books, papers, maps, photographs, machine-readable materials or other documentary materials, regardless of physical form or characteristics, made or received by an agency of the United States government under federal law or in connection with the transaction of public business and preserved or appropriate for preservation by that agency or its legitimate successor as evidence of the organization, functions, policies, decisions, procedures, operations or other activities of the government or because of the informational value of the data in them." This definition applies to all departmental records including those created, received, and maintained by contractors pursuant to their contracts. Virtually all recorded information in the custody of the government (including information held by contractors which is considered by contract to be government information) regardless of its' media (hard copy, machine-readable, microform), is considered "government records." For the CCP, information meeting the above criteria is considered to be a record, unless it can be clearly identified as a nonrecord.

2.3.29 **Records Custodian** - An individual identified within an organization who is assigned the responsibility of, and trained for, assisting record originators regarding records management issues.

2.3.30 **WIPP Records Archive (WRA)** - A facility that meets the regulatory requirements for the storage of noncurrent records pending their destruction or transfer to a Federal Records Center or the NARA. The WIPP Records Archive (WRA) is located in Carlsbad, New Mexico.

2.3.31 **Records Inventory and Disposition Schedule (RIDS)** - The DOE form used to indicate the appropriate disposition of records. The purpose and content of the form may be placed in electronic media as long as all the requirements of the form are met.

2.3.32 **Record Series** - File units or documents arranged according to a filing system or kept together because they relate to a particular subject or function; result from the same activity; document a specific kind of transaction; take a particular physical form; or have some other relationship arising out of their creation, receipt, or use, such as restrictions on access and use. A record series may also include related elements physically separated from it such as finding indexes or large documents (also sometimes called a file series). These records are generally handled as a unit for disposition purposes.

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2.3.33 **Software Generated** - A form that is generated by controlled software that performs approved calculations.

2.3.34 **Unclassified Controlled Nuclear Information (UCNI)** - Certain unclassified but sensitive Government information concerning nuclear material, weapons, and components whose dissemination is controlled under section 148 of the Atomic Energy Act.

2.3.35 **Record Systems** - A common, integrated set of manual and/or automated activities for creating and identifying; collecting and controlling; processing and organizing; distributing; microfilming; storing and preserving; retrieving; and disposing of records applicable to preparation for storage, as well as the storage of machine readable records such as magnetic tapes, floppy disks, etc.

2.3.36 **Retention Period** - The period of time approved by NARA for records to be retained, whether in the originating office, Records Storage Facility or a Federal Records Center. The retention period is indicated on EA15RM300Z-2-0, *Records Inventory and Disposition Schedules (RIDS)*.

2.3.37 **Uniform File Code (UFC)** - A standard filing system for correspondence records required by the DOE.

2.3.38 **Unscheduled Records** - Records for which no disposition authority has been identified on an approved disposition schedule.

2.3.39 **Validation/Authentication** - An activity that certifies the content of a document as being authentic and complete. This certification is documented by signing (or initialing) and dating the document unless otherwise authenticated. Validation/authentication may be made by the author, assigned reviewers, or individual(s) specifically assigned to review and validate documents.

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3.0 RESPONSIBILITIES

3.1 CCP Manager or Designee

3.1.1 CCP Manager has the overall responsibility and authority for the content of records generated.

3.1.2 Verifies that the organization has a current approved Records Inventory and Disposition Schedule (RIDS).

3.1.3 Verifies that records are retained in accordance with retention requirements and not inadvertently or prematurely destroyed.

3.1.4 Verifies the timely disposition of records through in-house destruction.

3.1.5 Verifies that personnel are aware of the requirements to retain records according to approved retention requirements.

3.1.6 Provides adequate records management resources in the form of staff, equipment, and dedicated time to verify good record keeping practices.

3.1.7 Obtains written concurrence to destroy records exceeding their retention periods.

3.2 Cognizant Manager

3.2.1 Identifies those documents that become records.

3.2.2 Determines if the work activities are quality-affecting.

3.2.3 Identifies records in the implementing procedures.

3.3 Lead Records Custodian

3.3.1 Acts as the liaison between the CCP and WRMS for records management.

3.3.2 Carries out the records management duties in accordance with approved implementing procedures.

3.3.3 Determines which nonpermanent records series are eligible for destruction.

3.3.4 Informs the CCP Manager or designee of the records that have expired retention periods.

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3.3.5 After receiving approved written concurrence, dispositions the Quality Assurance (QA) and/or non-QA records.

3.3.6 Prepares and revises the RIDS in accordance with CCP-QP-028, *CCP Records Filing, Inventorying, Scheduling, and Dispositioning,* and verifies the RIDS remain current.

3.3.7 Identifies records that are eligible for in-house destruction.

3.3.8 Assists personnel with record retrieval from CCP Records as required.

3.3.9 Assists in obtaining approved disposition authorities for unscheduled records from NARA.

3.4 Records Custodian

3.4.1 Carries out the records management duties in accordance with approved implementing procedures.

3.4.2 Transmits completed QA records to the Host (generator/storage) site records centers or Waste Isolation Pilot Plant (WIPP) Records Archives (if applicable).

3.4.3 Assists personnel with record retrieval from CCP Records, as required.

3.4.4 Verifies that Records are complete. This includes verifying that there are no missing signatures, the page count is correct, and that the Batch Data Reports (BDRs) contents match their Table of Contents.

3.4.5 Ensure that the Attachment 2, Records Transmittal/Receiving Form, is in agreement with the transmitted record and that it is legible.

3.5 Facility Records Custodian

3.5.1 Coordinates the compilation and the transfer of records generated at the Host (generator/storage) sites.

3.5.2 Verifies that records are complete. This includes verifying that there are no missing signatures, the page count is correct, and that the BDRs contents match their Table of Contents.

3.5.3 Ensure that the Attachment 2 is in agreement with the transmitted record and that it is legible.

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3.5.4 Manages the transfer of completed and in-process records to CCP Records.

3.5.5 Assists personnel with record retrieval from CCP Records where applicable.

3.5.6 Carries out the records management duties in accordance with approved implementing procedures.

3.6 WIPP Records Management Services (WRMS)

3.6.1 Assists in the development and management of the records management system.

3.6.2 Assists with the review and approval of the CCP RIDS.

3.6.3 Assists in obtaining approved disposition authorities for unscheduled records to NARA.

3.7 Personnel

3.7.1 Generates the necessary records that document the activities assigned to them. Each individual who creates records must verify the record(s) are legible, accurate, and complete, appropriate to the work accomplished.

3.7.2 Are aware of, and provide reasonable protection during the generation and processing of records intended to become QA Records.

3.7.3 Ensures that records are legible, accurate and complete, appropriate to the work accomplished, when generating, reviewing and validating records.

3.7.4 Ensures that records are not inadvertently or prematurely destroyed.

3.7.5 Coordinates records issues with the respective Records Custodian(s)/Facility Records Custodian(s).

3.8 WRMS Manager

3.8.1 Provides concurrence for in-house destruction of records.

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4.0 PROCEDURE

4.1 Generation of Records

Cognizant Managers

4.1.1 Prior to conducting a work activity:

[A] Identify those documents that become records.
[B] Determine if the work activities are quality-affecting.
[C] Identify records in the implementing procedures.

NOTE
Records may be originals **OR** reproducible copies; however, original documents are preferred.

4.2 Legibility

Personnel

NOTE
Reproducible ink should be used whenever possible to verify maximum contrast on printed records. Records created in black ink typically produce better quality copies than do records printed in other color inks.

NOTE
Highlighter marking pens SHALL **NOT** be used on records. Bolding or underlining text are preferred alternatives to highlighting.

4.2.1 Verify that the records generated are legible and reproducible. If there is doubt, copy the record and then recopy the copied record (copy-a-copy test) to check the copied copy for legibility.

4.3 Accuracy

4.3.1 Verify that records are accurate to the work accomplished.

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4.4 Completeness

4.4.1 Verify that records are complete per the following:

[A] Blank spaces are filled in where information is required to be entered making the document complete.

[B] Not Applicable (N/A) is entered in spaces where information is not applicable or as otherwise indicated.

[C] Blank spaces are acceptable when a record is a software generated page/form which performs calculations.

[D] The document's intent is clear, even with some blanks not filled in. If so, the record is acceptable as is. A blank space in a record does not, in itself, make the record incomplete. For example:

Is the indicator light illuminated?
___✓___ YES _____ NO

This is an acceptable method of recording information, even when the NO space is blank.

NOTE

Individuals handling documents intended to become QA Records shall provide reasonable protection for the records from damage or loss until the records are submitted to the records system (this includes documents generated during field operations).

4.5 Storage, Maintenance, Control, and Protection of QA Records

4.5.1 Store, maintain, and protect completed QA records as follows:

[A] In an Underwriter Laboratories-listed one-hour fire rated (or equivalent) container, or a container certified by a person competent in the technical field of fire protection,

OR

[B] Retain a copy in a location sufficiently remote from the original to preclude destruction as a result of a single event such as fire or natural disaster,

ALSO

[C] Provide adequate protection of the QA records within the storage location to minimize the risk of damage or loss from

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humidity, natural disasters, adverse weather conditions, mold or infestations of insects or rodents.

[D] DO **NOT** store QA records where they may be exposed to water or heat sources, **OR** where food is kept (to reduce the potential for rodent or insect infestation).

4.5.2 Access

[A] Prevent access to QA records by unauthorized personnel as follows:

NOTE

Authorization must be documented either by signature and date on posted list, **OR** by letter on file. Authorization will be done by the CCP Manager or designee. The authorization list must be kept current.

[A.1] Generate, post, and maintain a list designating the personnel who are authorized and permitted access to the QA records.

NOTE

Provisions for installation of locking mechanisms will be made for storage areas requiring controlled access. Authorized personnel allowed access to the storage areas will be given the lock code **OR** controlled location of the keys.

[A.2] Protect locking mechanisms for storage cabinets/areas that require controlled access.

[A.3] Store all records not currently being used in appropriate storage equipment (e.g., file cabinets, shelving, desks).

[A.4] Lock file cabinets and offices as appropriate when leaving controlled access areas.

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4.6 Records Separation and Availability

NOTE
Records will be separated from non-records and personal papers.

4.6.1 Provide a means to retrieve records by indexing with one of the following methods:

[A] Numerically (such as audit case files):

OR

[B] By subject, with guides dividing different subjects.

4.7 Corrections, Additions, Revisions, Supplements, and Lost Records

NOTE
When in-process record/records intended to become QA Records are being generated they shall be maintained (do not remove or destroy) and if corrections are required, then perform this by proper correction, superceding, or voiding as directed in the following sections of this procedure.

4.7.1 Make necessary changes, additions, revisions and supplements in accordance with the following guidelines:

[A] Corrections

[A.1] Correct errors by drawing a single line through the incorrect information (leaving the original text readable), entering the correct information, **AND** initialing and dating each correction made.

[A.2] DO **NOT** use correction fluid (white-out) or correction tape on records.

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NOTE

Editorial changes may be made to records without the same level of review and approval as the original record. Editorial changes include ONLY the following:

- Clarification statements that do not affect the purpose of the record;
- Correcting grammar or spelling (the meaning has not changed);
- Renumbering sections, attachments or pagination;
- Date(s) that do **NOT** impact final disposition;
- Transcription errors
- Sections that require Not Applicable (N/A), but were left blank.

[A.3] Provide corrected or changed records (except for editorial changes) that have been validated back to the originating organization for review and revalidation.

NOTE

Original records may not be available for remote personnel to make necessary changes; therefore a printed copy of the scanned image from CCP Records may be used to make the changes. Changes will be transmitted in accordance with step 4.10.1.

[A.4] **IF** the original document is unavailable to the individual making a change to a record,
THEN use a printed copy of the scanned image from CCP Records and make the change. This will then become the original.

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[B] Additional Notations

[B.1] **IF** any additional information needs to be added to a record after validation,
THEN enter the notation, **AND** initial and date each notation(s) made.

[C] Revisions, Regeneration, and Supplements

[C.1] **IF** a record needs to be revised due to illegibility or damage,
THEN transcribe **OR** enhance the illegible, or damaged, portion of the record **AND** initial and date each part enhanced or transcribed.

[C.2] **IF** a record must be regenerated due to damage,
THEN regenerate the record and place a notation at the bottom of the regenerated page, "This record has been regenerated because of damage," sign, and date. Place the regenerated record in front or on top of the original damaged record.

[C.3] **IF** a record has already been sent to CCP Records,
AND needs a supplement or revision,
THEN contact CCP Records.

NOTE

The following is a standard way to add new pages to a document, to supersede a page, and to add a corrected page.

[D] Adding Pages to Documents

[D.1] When adding pages to a document, place new pages behind the page within the document that they will follow.

Example: The new pages are to be added right after page 35 within the document. Place the new pages behind page 35, **AND** number the new pages 35A, 35B, 35C.

[D.2] **IF** the pages are added to the end of the document,
THEN number them in sequential order.

Example: The last page of the document is page 40. Place the new pages after page 40, **AND** number the new pages as 41, 42, 43.

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[E] Superceding Pages

[E.1] When superceding a page with a new, corrected page, draw a single, diagonal line through the entire page to be superceded, **AND** initial and date.

[E.2] Place the new, corrected page to the front of the superceded page. Using the page number on the now superceded page, number the new, corrected page with the same number, then renumber the superceded page with the same number and an additional character (i.e., A, B, C).

Example: Superceded page was numbered 35. The new, corrected page will now be numbered 35, **AND** the superceded page will change to 35A.

[F] Superceding or Voiding of Whole Documents

[F.1] When superceding or voiding a whole document (not just pages within a document [i.e., BDRs, Nonconformance Reports]) stamp or write “superceded” or “void” on the first page of the document **AND** initial and date.

[G] Lost Records

[G.1] **IF** replacement or restoration of the record is **NOT** practical,
THEN action should be taken to ensure the quality of the items or activities affecting quality, by using re-examination, investigation, or by other means.

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4.8 Quality Assurance (QA) Record Authentication/Validation

NOTE

Records become QA records when they are completed and authenticated/validated. Authentication/validation may be by the author, assigned reviewer, individual specifically assigned to review and validate documents, or otherwise authenticated/validated.

NOTE

Individuals who review and authenticate/validate records are responsible for the completeness and accuracy of those records.

[A] Authenticate/validate QA records through one of the following methods:

[A.1] Initial **OR** sign and date hard copy records, unless otherwise authenticated/validated.

[A.2] **IF** the nature of the record precludes signing, **THEN** validate the QA record using any reasonable form which clearly indicates that an authorized individual believes the record to be complete and accurate.

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4.9 Generation, Protection, and Preservation of Computer Generated Electronic Records

NOTE

There are two types of electronic records:

- Electronic records that can be printed in a hard copy format.
- Electronic records that cannot be printed in a hard copy format.

Regardless of type, all electronic records must be managed in accordance with the guidelines contained in this section. Properly performing these steps will ensure that electronic records are in compliance with the applicable requirements.

NOTE

Computer modeling results (e.g., Monte Carlo N Particle [MCNP], Origen2.2) that perform statistical and random computer runs of radionuclide distributions will not be maintained but summarized in the hardcopy calculation packages. The calculation packages document these computer runs and shall define the range of possible values, the methodology for randomly selecting from this range, and a representative example of the input values and output result.

NOTE

Electronic media for historical source documents transmitting Adobe portable document format (PDF) files or electronic databases may be compact discs (CDs) or digital video discs (DVDs).

4.9.1 Protection

[A] To minimize the risk of unauthorized additions, deletions, or alterations to electronic files, use power-on, file passwords, or control lists to control any unauthorized access.

[A.1] Place electronic records, when complete to read/write protection.

[B] Provide access of electronic records to authorized staff.

[C] Provide access in the work area of electronic file index printouts, logs, disk labeling, **OR** other means to facilitate retrieval of active records by authorized users. Indicate the method used (including the directory path, if applicable) to transfer the information, the date compressed (if applicable), and file encryption information.

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4.9.2 Preservation

[A] Preserve records for the duration of their authorized retention period to verify their availability and provide verification of work performed by the facility and its supporting agencies.

4.9.3 Storage

[A] Label all electronic media (computer generated) used to store records properly with the following: originating organization, filename, retention period (obtain from Lead Records Custodian), original software used, and the version of the software.

4.9.4 Media Backup

[A] Back up electronic records on a regular basis to safeguard against the loss of information due to equipment malfunctions or human error.

4.9.5 Hardware/Software Changes

[A] Protect records media **AND** migrate information before the media is no longer useful.

[A.1] As software programs change, transfer existing records to the newer software program.

[A.2] As hardware is phased out or upgraded, verify that all existing records can be read utilizing the new hardware.

(a) **IF** new software and hardware will **NOT** read the current electronic record(s),
THEN migrate the records to a more accessible media.

(b) **IF** migration is **NOT** possible,
THEN retain either the old software and hardware **OR** make a printout of the data **AND** file the hard copy.

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4.10 Transmitting Records

NOTE
Transmitting completed QA records is for records going from one location or site to another.

NOTE
Records being forwarded within a Host site location or between Project-Office personnel DOES NOT need an Attachment 2. Completed QA Records being sent from one location or site to another will be sent using Attachment 2.

4.10.1 Transmitting Complete QA Records

[A] Send completed QA records (e.g., BDRs) via Attachment 2 to the Records Custodians/Facility Records Custodians.

[B] Before the completed QA record is transmitted, make a copy of Attachment 2 and the record, **AND** retain until receipt acknowledgement is received from the recipient.

NOTE
Transmittal of completed characterization records to the Host (generator/storage) site (when available) is performed according to the site-specific procedure regarding the submittal of characterization records to their records center. These characterization records will be maintained in accordance with their site-specific records procedures.

NOTE
Records that are designated as lifetime records shall be maintained for the life of the waste characterization program at a participating generator/storage site plus six years, or transferred to the WIPP Records Archive facility. Records designated as non-permanent records shall be maintained for 10 years from the date of record/generation at the participating generator/storage site, or at the WIPP Records Archive facility.

Records Custodian

4.10.2 Transmitting of Completed Characterization Records to the Host (generator/storage) Site or WIPP Records Archive (as applicable)

[A] Return characterization records to the Host (generator/storage) site location or WIPP Records Archive (as applicable) either at pre-determined intervals **OR** at that end of the waste characterization process in accordance with approved RIDS.

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[B] **IF** the Host (generator/storage) site is closed and will no longer be in operation,
THEN submit the documentation pertaining to that site to CBFO for permanent archiving, **OR** the WIPP Records Archive at the end of the waste characterization process in accordance with approved RIDS.

NOTE

The Waste Confirmation Organization represents the permittees and is required to confirm that waste shipments comply with permit requirements prior to shipment.

4.10.3 Transmitting of Waste Confirmation Video and Audio Media Recording

[A] Transmit one copy of the video and audio recording media to the Waste Confirmation Organization.

4.11 Unclassified Controlled Nuclear Information (UCNI) and Official Use Only (OUO) Documentation

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NOTE

Transmission of Unclassified Controlled Nuclear Information (UCNI) or Official Use Only (OUO) documents must be by means that preclude unauthorized disclosure or dissemination.

NOTE

UCNI documentation must include the required release and markings identified in DOE M 471.1-1, *Identification and Protection of Unclassified Controlled Nuclear Information Manual*. OUO documentation must include the required release and markings identified in DOE M 471.3-1, *Manual for Identifying and Protecting Official Use Only Information*.

4.11.1 Transmitting of UCNI and OUO Documents

[A] Documents identified as UCNI must be transmitted to CCP Records with an Attachment 2 and the transmittal must have the following statement placed in the comment section:

Matter transmitted contains Unclassified Controlled Nuclear Information. When separated from enclosures, this transmittal document does not contain UCNI.

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[B] Documents identified as OUO must be transmitted to CCP Records with an Attachment 2 and the transmittal must have the following statement placed in the comment section: Document transmitted contains OUO information.

[C] When transmitting externally:

[C.1] The UCNI or OUO matter must be contained in a single opaque envelope or wrapping with the recipient's address, a return address, and the words "To Be Opened by Addressee Only".

[C.2] Must be sent by the following U.S. mail methods: First Class, Express, Certified, or Registered Mail,

OR

[C.3] Any commercial carrier, FedEx is preferred.

[D] When transmitting internally the documents may be hand carried as long as the transmitter can maintain control over access to the document being transmitted.

4.11.2 Access and Protection of UCNI and OUO Documents

NOTE

When giving an authorized individual a copy of an UCNI or OUO document, the requirements they will be expected to perform while the document is in their possession must be made clear to the individual, see requirements below.

NOTE

Only authorized individuals may have access to UCNI or OUO documents (e.g., an individual with an official need to know in connection with the performance of official DOE-authorized activities).

[A] Disseminate UCNI or OUO documentation to only authorized individuals.

[B] Must maintain physical control of UCNI or OUO documentation to preclude unauthorized disclosure; store in locked receptacles, such as file cabinets, desks, or bookcases.

[C] Reproduce only to the minimum extent necessary.

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[D] When a copy machine malfunctions during the copying of an UCNI or OUO document the copier must be cleared and all paper paths checked to verify that no UCNI or OUO material remains in the machine.

[E] After its necessary use by an authorized individual, all copies of UCNI or OUO documentation must be destroyed by using strip cut shredders that result in particles of no more than 1/4 inch wide strips or if on a CD the shredding of the disc.

[F] Electronic UCNI or OUO documentation (e.g., PDF) maintained by CCP Records will be stored on a protected server and the files will be properly marked as UCNI or OUO.

4.12 Internal Use Only (IUO) and No Foreign National (NOFORN)

4.12.1 Transmitting of IUO and NOFORN Documents

[A] Documents identified as IUO or NOFORN must be transmitted to CCP with an Attachment 2 and the transmittal must have it clearly identified in the Comments section that the document being transmitted is IUO or NOFORN.

4.12.2 Access and Protection of IUO and NOFORN

NOTE

Only individuals within the project may have access to IUO documents. Dissemination outside of the project will not be permitted.

[A] Disseminate IUO to internal project participants only. NOFORN is not to be disseminated to any Foreign National.

[B] Must maintain physical control of IUO or NOFORN to preclude unauthorized disclosure; store in locked receptacles, such as file cabinets, desks, or bookcases.

[C] Reproduce only to the minimum extent necessary.

[D] After its necessary use by an authorized individual, all copies of IUO and NOFORN must be destroyed by a paper shredder or if on a CD the shredding of the disc.

[E] Electronic IUO or NOFORN documentation (e.g., PDF) maintained by the CCP Records will be stored on a protected server and the files will be properly marked as IUO or NOFORN.

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4.13 Receiving Quality Assurance (QA) Records

4.13.1 Each Host (generator/storage) site or organization responsible for receipt of QA records, designate the person or organization responsible for receiving records.

4.13.2 Ensure that the Attachment 2 is in agreement with the transmitted record and that it is legible and complete.

[A] **IF NOT**,
THEN notify the sender and perform the following:

[A.1] Work to resolve the issues with the sender.

[A.2] **IF** unable to resolve the issues,
THEN identify the record was rejected on Attachment 2 and return Attachment 2 and record to the sender.

4.13.3 Receipt process provides the following:

[A] Provisions to permit a current and accurate assessment of the status of QA records.

[B] A method for identifying the records required to be included in the records system.

[C] A method for identifying the records that have been received.

[D] Procedures for receipt and inspection of incoming records, including verification that the QA records are received in agreement with the transmittal document and that the records are legible.

[E] Provisions to control and protect the records from damage or loss during the receiving processes.

[F] A method for submittal of completed records to the storage facility without unnecessary delay.

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NOTE

Once QA records have been received in CCP Records, original records will **NOT** be removed without a specific need for the original record to be released. If an original record is removed from CCP Records, it is to be returned within fourteen (14) calendar days.

4.14 Retrieval of Original Records from CCP Records at the Project Office

4.14.1 Requests for retrieval of **ORIGINAL** records are handled as follows:

[A] Requestor, provide a written request to CCP Records providing the reason for the request and when the record will be returned.

Records Custodian/Facility Records Custodian

4.14.2 Process requests for retrieval of records already placed into CCP Records as follows:

[A] Pull the requested record.

[B] Make a copy of the record or assure that there is a PDF copy of the record.

[C] **IF** there is not a PDF scanned copy of the record, **THEN** place a copy of record into the records file.

[D] Place a completed Check Out Card in the record file.

[E] Notify requestor of availability of the requested record for pick-up **OR** deliver the **ORIGINAL** requested record to the person who made the request.

4.15 Destruction of QA and Non-QA Records

4.15.1 Destruction of QA Records

[A] DO **NOT** destroy QA records until each of the following conditions are met:

[A.1] Expiration of the NARA approved retention, as noted in the CCP RIDS, has occurred.

[A.2] Evaluation of lifetime records for the potential need to upgrade them to post-closure records has been performed by the CCP Manager or designee.

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[A.3] CCP Manager or designee determines if regulatory requirements are satisfied, operational status permits the disposal of such records, and the related contractual requirements have been satisfied.

[A.4] In cases of conflicting requirements concerning records retention requirements, the most stringent requirements shall be used in determining the final disposition.

AND

[A.5] CCP Manager or designee determines that there are no enforcement actions against the CCP.

NOTE

QA records that may be relevant to an enforcement action, regardless of disposition, will be maintained until the New Mexico Environment Department (NMED) determines they are no longer needed for enforcement action, and then the records may be dispositioned as directed in step 4.15.2.

[B] **IF** all of the listed conditions are **NOT** met,
THEN DO **NOT** destroy the affected records series, **AND** CCP Manager or designee, follow step 4.15.3.

[C] **IF** all of the listed conditions are met,
THEN CCP Manager or designee complete the Written Request for Records Destruction, (See Attachment 1, Written Request for Records Destruction), for an example **AND** submit to the WRMS Manager before destroying QA records.

[D] Upon receipt of the approved written concurrence, CCP Manager or designee forward the approval to the Lead Records Custodian.

Lead Records Custodian

[E] Receive the approved written concurrence and disposition the QA records.

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4.15.2 Destruction of Nonpermanent, Non-QA Records

Lead Records Custodian

[A] Determine which nonpermanent records series are eligible for destruction by reviewing the RIDS to determine the length of time the records series is to be retained.

[B] Inform the CCP Manager or designee of the records which have expired retention periods.

CCP Manager or Designee

[C] **IF** in agreement,
THEN the CCP Manager or designee, completes and forwards Written Request for Records Destruction, including a reference to the current RIDS, to the WRMS Manager before destroying the nonpermanent, non-QA records.

Lead Records Custodian

[D] After receiving the approved written concurrence, disposition identified non-permanent or non-QA records.

4.15.3 Requesting an Extension of the Record Retention Period

[A] **IF** the CCP Manager or designee determines that the approved record retention period needs to be extended,
THEN CCP Manager or designee, perform the following:

[A.1] Send a memorandum to the WRMS Manager with a request and justification of an extension.

[A.2] Maintain the memorandum with the respective RIDS.

[A.3] Take the appropriate action, depending on the response to the memorandum.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with the requirements of this procedure. The records are the following:

5.1.1 Non-QA

[A] Written Request for Records Destruction

[B] Written Request for Retrieval of Original Record

[C] Request for Extension Memorandum

5.1.2 QA/Nonpermanent

[A] Attachment 2 – CCP Records Transmittal/Receiving Form

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Attachment 1 – Written Request for Records Destruction (Example)

TRU SOLUTIONS

John Smith
S.M. Stoller Corporation
2101A South Canal
Carlsbad, NM 88220

SUBJECT: REQUEST FOR CONCURRENCE TO DISPOSE OF RECORDS

Dear Mr. Smith:

This is a request for concurrence to dispose of the following record series according to our current Records Inventory and Disposition Schedule dated April 10, 2004.

RECORD SERIES	RETENTION PERIOD	INCLUSIVE DATES
Landlord Housekeeping Pre-checklists - Item #24	1 year	January, 2003 through July, 2003
Key Inventory Logs - Item #17	2 years	January, 2002 through June, 2002

If you have any questions, please contact Ms. Jane Smith, of my staff, at (575)628- 5810.

Sincerely,

David Doe
Characterization Project Manager

CONCURRENCE:

John Smith, Manager
WIPP Records Management Services (WRMS)

SP: ab

cc: J. Smith, S.M. Stoller Corporation

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Attachment 2 – CCP Records Transmittal/Receiving Form

CCP Records / Records Custodian, 4021 National Parks Highway - MS: GSA 212, Carlsbad, New Mexico 88220

Telephone Number: 575-234-7523, 575-234-7431, or 575-234-7095

Fax Number: 575-234-7033

☐ Original Record ☐ Copy
☐ Fax Record
☐ Electronic Record

Attn: _____ From: _____

Ship to: _____ Site: _____

_____ Company: _____

_____ Telephone Number: _____

_____ Date Sent: _____

Telephone Number: _____

Document Number	Title / Description	Record Date	Total Pages

Comments

(When the Record accepted line has been completed, the rest of the page below may be left blank.)
Acceptance/Rejection Signature and Date

Records Accepted ☐ _____ _____ _____
Signature Printed Name Date

Records Rejected ☐ _____ _____ _____
Signature Printed Name Date

Reason for Rejection:

Re-submittal: _____ _____ _____
Signature Printed Name Date

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CCP-QP-016

Revision 18

CCP
Control of Measuring and Testing Equipment

EFFECTIVE DATE: 06/24/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
4	02/25/2002	Added requirements for M&TE items controlled under the e-QA® system. Added a new Section 4.9 for entering data into the e-QA® database.
5	05/14/2002	Made changes to 4.1.4 and 4.1.7. Updated references in 2.6.1, 4.1.1 and 4.8.1.
6	05/14/2003	Change to 3.3.3 and NOTE before 4.1.2.
7	08/05/2003	Revised to address shipment of M&TE from the generator sites directly to/from suppliers of calibration services (instead of being calibrated at the WIPP site). Revised in response to CAR-SRS-0002-03, to clarify M&TE related activities performed at the project office versus those performed at the generator sites.
8	11/18/2003	Revised to address that e-QA® system is being eliminated for use by the CCP Program. Deleted Section 4.9 from procedure.
9	03/14/2005	Revised to address the concerns of Surveillance Report SUR-SRS-0003-04 and Savannah River Site Audit Report 2004-AR-26-0005, Finding #2. Addressed CBFO comments.
10	03/09/2006	Revised to correct reference in Section 2.6 and added CCP Vendor Project Manager to Responsibilities Section.
11	09/26/2006	Revised Attachment 1 to require that 'CCP' be included as part of the unique calibration identifier in response to CAR-RHANL-001-06.
12	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). This revision includes changing SPQAO to CCP QA and TS to Lead Operator. Other editorial changes are also included.
13	03/30/2007	Revised to clarify the unique identifiers and to remove nonconformance report (NCR) requirement for out-of-calibration equipment.

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
14	02/07/2008	Revised to address the assignment of responsibilities, disconnects between the Quality Credit Card process and Central Characterization Project (CCP)-driven requirements, and proper usage of "out-of-calibration" versus "out-of-tolerance" terminology in response to Corrective Action Report (CAR), CAR-CCP-0006-07.
15	05/18/2010	Revised to clarify responsibilities for providing calibration documentation to the measuring and test equipment (M&TE) Custodian.
16	01/05/2012	Revised to clarify the scope of Central Characterization Project's (CCP's) measuring and test equipment (M&TE) program and the responsibilities associated with Host site provided M&TE.
17	10/23/2012	Revised to clearly flow down items from the *Quality Assurance Program Document* (QAPD) as described in MA-CCP-0003-12, to incorporate Corrective Action Plan (CAP) items from CAR-LANL-0003-12 and to improve clarity.
18	06/24/2013	Revised to clarify actions of each entity defined in this procedure. Incorporate Corrective Action Plan (CAP) items from CAR-CCP-001-13-0. Added Section 4.9 for process of shipping M&TE to calibration lab.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Training Requirements 6

3.0 RESPONSIBILITIES 7
3.1 CCP M&TE User 7
3.2 CCP M&TE Custodian 7
3.3 Cognizant Engineer 7
3.4 CCP Vendor Project Manager (VPM) or Designee 7
3.5 Host Site 8

4.0 PROCEDURE FOR CCP OWNED M&TE 9
4.1 Procurement of M&TE 9
4.2 M&TE Entry into Integrated Data Center (IDC) Database 10
4.3 Controlling CCP M&TE 12
4.4 Determining and Adjusting Calibration Parameters 13
4.5 Calibration of M&TE 14
4.6 Use of M&TE 16
4.7 Out-of-Tolerance, Defective, or Lost M&TE 17
4.8 Closing/Exit Calibrations 18
4.9 Shipping M&TE to Calibration Lab 19
4.10 Receiving M&TE at SWB 20
4.11 Procedure for Host site M&TE 20

5.0 RECORDS 23

LIST OF ATTACHMENTS

Attachment 1 – Identification Labels and Calibration Tags 24
Attachment 2 – Glossary 26
Attachment 3 – Out-of-Tolerance (OOT) Evaluation 29
Attachment 4 – Calibration Interval/Tolerance Adjustment Evaluation 30
Attachment 5 – Exemption/Temporary Extension Evaluation 31
Attachment 6 – Closing/Exit Calibration 32

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1.0 PURPOSE

This procedure implements the requirements and processes for properly controlling and maintaining measuring and test equipment (M&TE).

1.1 Scope

This procedure describes the processes to ensure equipment used for measuring and testing are properly controlled, calibrated, and maintained.

This procedure is applicable to M&TE that is used by the Central Characterization Program (CCP). This includes M&TE procured and controlled by CCP as well as Host site provided M&TE that is controlled under the Host site M&TE program.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- WP 13-1 *NWP QA Program Description*

Referenced Documents

- CCP-QP-008, *CCP Records Management*
- WP 15-PC3044, *Quality Credit Card Purchases*
- WP 15-PM3525, *Preparation and Processing of Shipping Authorizations*
- EA 15-PM3525-1-0, *Shipping Authorization*

2.2 Training Requirements

2.2.1 None.

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3.0 RESPONSIBILITIES

3.1 CCP M&TE User

3.1.1 Verifies M&TE is on the current approved M&TE list on secure file transfer protocol (SFTP) web site (searchable by equipment number) and checks current cal sticker with information on approved list for accuracy.

3.1.2 Handles M&TE in a manner that will not adversely affect its accuracy to ensure M&TE integrity.

3.1.3 Promptly reports any M&TE conditions that could invalidate measurements to the Vendor Project Manager (VPM)/designee.

3.1.4 Coordinates equipment location, recall, and calibration with the VPM/Designee.

3.2 CCP M&TE Custodian

3.2.1 Maintains a database that includes a recall system to track and control M&TE needed to support CCP characterization and packaging activities.

3.2.2 Responsible for overall CCP M&TE program administration.

3.2.3 Submit all records identified in Section 5.1.1 [B] to CCP Records in accordance with CCP-QP-008.

3.3 Cognizant Engineer

3.3.1 Provides technical support of M&TE program including recommendations on calibration intervals, set-points, tolerances, exemptions, and extensions.

3.4 CCP Vendor Project Manager (VPM) or Designee

3.4.1 Primary interface with Host site for CCP use of Host site provided M&TE.

3.4.2 Interfaces with the M&TE Custodian for calibration and maintenance activities, forwards copies of Host site provided calibration records to the M&TE Custodian, and ensures M&TE database reflects M&TE used.

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3.4.3 Ensures M&TE is used for CCP operations in compliance with this procedure and other applicable requirements, including:

[A] Only M&TE approved for CCP use is used for CCP operations.

[B] Host site M&TE documentation is transmitted to the CCP M&TE Custodian.

3.4.4 Performs and documents M&TE evaluations as required by this procedure.

3.5 Host Site

3.5.1 See the applicable Host site Interface Agreement (they provide documents required by the interface agreement and this procedure).

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4.0 PROCEDURE FOR CCP OWNED M&TE

NOTE

Section 4.0 pertains to CCP controlled M&TE. Section 4.12 applies to Host site owned M&TE used in CCP's program. Sections in this procedure may be performed in any order as necessary.

4.1 Procurement of M&TE

VPM or Designee

NOTE

If equipment is not procured as QL1 or equivalent, the M&TE will need to be calibrated before use.

4.1.1 Initiate request for needed equipment, **AND** procure the equipment in accordance with applicable procedures. The procurement request should address the following:

[A] The required function ranges and tolerance in the procurement specifications.

[B] The appropriate documentation including operation and maintenance manuals.

[C] Adequate provisions for packaging, handling, storage and shipping requirements.

CCP M&TE Custodian

NOTE

Identification (ID) numbers are serialized and not duplicated or reissued. They are attached to equipment using an appropriate label. References to equipment are typically by means of these ID numbers.

4.1.2 Inspect newly procured M&TE to verify correct serial number and equipment ID number, as applicable.

4.1.3 Tag, segregate, or otherwise control newly-procured M&TE to prevent its use until it is calibrated.

4.1.4 Ensure that a unique M&TE ID number is assigned (see Section 4.3 for Labeling).

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4.2 M&TE Entry into Integrated Data Center (IDC) Database

CCP M&TE Custodian

4.2.1 To enter new calibration dates complete the following:

[A] Verify new M&TE has an ID number assigned and an M&TE ID label.

[B] Log into M&TE database.

[C] Click on M&TE Edit.

[D] Type in equipment ID number in “Search Equipment ID” field.

[E] **IF** equipment ID does not come up,
THEN GO TO Section 4.2.5.

[F] Click on “Edit Cal Data” button.

[G] To enter new calibration dates click on the “+” button.

[H] Enter calibration date, expiration date, vendor, as found condition, and as left condition in appropriate fields.

[I] Click the “Update” button.

[J] Click the “Close” button.

[K] Click the “Update” button below the “Comment” field on main page to update the record.

4.2.2 At a minimum, the following data for all M&TE is required in the database:

[A] M&TE ID number

[B] Description

[C] Cal interval

[D] Cal Date

CCP M&TE Custodian

4.2.3 An independent verification of data entry in IDC shall be performed by a qualified M&TE Custodian prior to filing records.

4.2.4 IDC maintains a recall system to notify users when due for calibration.

[A] Equipment shall also be recalled for calibration or other disposition if:

[A.1] It has exceeded its calibration interval.

[A.2] It has broken calibration seals.

[A.3] It has been repaired, modified, or had any components replaced.

[A.4] It is suspected to be malfunctioning because of mishandling, misuse, or unusual results.

NOTE

This notification should be 60 days in advance for items that must be sent off site for calibration and upon calibration expiration.

[B] IDC notifies VPM or Designee and Quality Assurance (QA) upon expiration of M&TE calibration for recall using the recall notification e-mails.

4.2.5 For entering new M&TE into IDC perform the following:

[A] On the main M&TE Edit screen fill in all of the white boxes.

[B] Before clicking the insert button, make sure all of the boxes with white background are filled out (including the ID number if M&TE already has an ID number, if not leave blank).

[C] Click insert.

[D] **GO TO** Section 4.2.1 and complete the new calibration information for new M&TE.

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4.3 Controlling CCP M&TE

NOTE

M&TE will be transported, stored, and calibrated in an environment that will not adversely affect its accuracy. When practical, M&TE is shipped directly from the generator site to the calibrating agency and then returned to the generator site. Returned instruments are checked by a person designated by the VPM or project manager.

NOTE

M&TE labeling (or verification of labeling) can be done either by VPM or Designee at generator site for equipment owned/used by generator site or by M&TE Custodian for equipment handled through Skeen-Whitlock Building (SWB).

CCP M&TE CustodianVPM/Designee

4.3.1 If practical, ensure the M&TE is labeled with the unique ID number assigned in Section 4.1 as indicated in Attachment 1, Identification Labels and Calibration Tags.

4.3.2 **IF** labeling or tagging is not practical,
THEN:

[A] Determine an acceptable means of ensuring control of M&TE.

[B] Document any alternative control methods that are established.

[C] File documentation of control methods with the equipment records per CCP-QP-008, *CCP Records Management*.

4.3.3 Calibrate M&TE in accordance with Section 4.5.

4.3.4 Inspect M&TE received from calibration to verify correct serial number and equipment ID number, as applicable.

4.3.5 Tag, segregate, or otherwise control damaged, suspect, out-of-tolerance (OOT), and out-of-calibration M&TE to prevent use until the condition has been resolved. If an evaluation of previous measurements is needed (for an OOT or other condition), perform in accordance with Section 4.7.

4.3.6 Store M&TE in an environment that will not adversely affect its accuracy to ensure M&TE integrity.

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4.4 Determining and Adjusting Calibration Parameters

NOTE

Manufacturer's recommended calibration intervals or standardized CCP calibration intervals are normally used, as are manufacturer's recommended ranges and tolerances. The calibration intervals are recorded in the M&TE database.

Calibration exemptions are based on what the item is used for.

Calibration and control measures are not applied to rulers, tape measures, levels, and other such devices, if normal commercial equipment provides adequate accuracy.

VPM Designee or M&TE Custodian

4.4.1 Establish and maintain the calibration interval to ensure acceptable reliability. The calibration interval should be set so the M&TE is expected to remain in tolerance throughout the interval, as applicable.

4.4.2 Consider any or all of the following:

[A] Calibration range, tolerance, and job requirements.

[B] Review of the manufacturer's tolerance, wear allowance, and recommended calibration interval.

[C] Comparison of calibration intervals for similar instruments or M&TE.

[D] Consultation with calibration organization for historical data on similar instruments.

[E] Intended use and frequency of the instrument.

[F] Environment in which the device will be subject.

[G] Results of previous calibration.

4.4.3 To adjust calibration parameters initiate and process Attachment 4, Calibration Interval/Tolerance Adjustment Evaluation or Attachment 5, Exemption/Temporary Extension Evaluation, as applicable to document changes to calibration parameters.

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NOTE

The reliability target for CCP M&TE is a minimum of 85 percent. Data will be collected and evaluated to aid in adjustment to calibration intervals, decisions on retirement of equipment, and the need for additional equipment. The analysis shall consider the as-found calibration data.

NOTE

When justified, M&TE assigned a periodic calibration interval may have its due date extended an additional 25 percent of the assigned interval. The M&TE that has had its calibration interval temporarily extended will not be used after the extension expires until it is recalibrated. If the reason for the extension becomes no longer valid, it will also be removed from service.

4.4.4 Ensure the follow-up actions are completed, as applicable:

[A] M&TE calibration tag (and/or limited calibration tag) reflects the adjusted parameter.

[B] Procurement documents reflect the adjusted parameter.

[C] Submit Attachment 4 or 5 to M&TE Custodian.

CCP M&TE Custodian

4.4.5 Update IDC with submitted information.

4.4.6 Submit the completed attachment to CCP records in accordance with CCP-QP-008.

4.5 Calibration of M&TE

NOTE

VPM/Designee will coordinate with designated calibration lab for all user site owned M&TE for all calibration services.

VPM or Designee

4.5.1 Coordinate the calibration activities with the M&TE Custodian for CCP owned M&TE.

CCP M&TE Custodian

4.5.2 Procure calibration services from approved calibration suppliers following WP 15-PC3044, *Quality Credit Card Purchases*, or send to a user site calibration lab (i.e., INL Cal Lab) using a Shipping Authorization. Specify in the procurement documentation that calibration standards are traceable to National Institute of Standards and Technology (NIST) **OR** if nationally recognized standards do not exist, the basis for calibration is documented **AND** a record of calibration be produced upon successful calibration addressing at a minimum the following information:

[A] A description or identification of the item

NOTE

The calibration interval is the difference between the calibration date and the calibration due date. This cal interval can be set at a lesser rate as applicable to limitations in IDC.

[B] Calibration interval

[C] Date calibrated

[D] Identification of the calibration source

[E] Calibration results (data and status)

[F] Calibration action taken (e.g. adjusted, repaired, new value assigned, derated)

[G] Evaluation and corrective action taken in response to out of calibration or out-of-tolerance conditions

4.5.3 Verify records of calibration comply with procurement requirements and are complete.

4.5.4 Inspect all CCP owned M&TE received from calibration at SWB and verify:

[A] Correct serial number as applicable

[B] Equipment ID label with correct number

[C] Correct calibration tag – prepare and apply a calibration tag as needed

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[D] If found OOT, go to Section 4.7

4.5.5 Update M&TE Database following Section 4.2.

4.5.6 Submit records of calibration for M&TE to records in accordance with CCP-QP-008.

4.6 Use of M&TE

CCP M&TE User

NOTE

While M&TE is in use, the user will be responsible for maintaining the M&TE in a manner that will not adversely affect its accuracy. Definitions for "in use" and "storage" are included in Attachment 2, Glossary.

4.6.1 Handle, store, and transport M&TE in a manner that will not adversely affect its accuracy (e.g., give due consideration to temperature, humidity, lighting, vibration, dust control, cleanliness, electromagnetic interference, and any other factors affecting the results of measurements).

4.6.2 Prior to use, confirm M&TE for the following:

[A] M&TE is on the Approved M&TE List and information on tag matches list, as applicable,

[B] Calibration tags are not expired,

[C] Calibration seals are intact, if applicable,

[D] And the M&TE shows no evidence of mishandling, misuse, or unusual results.

4.6.3 Notify the VPM/Designee of any exceptions identified in step 4.6.2.

4.6.4 Notify the VPM/Designee when M&TE is transferred to a different location.

4.6.5 Coordinate equipment recall and calibration with the VPM/Designee.

VPM or Designee

4.6.6 Notify M&TE Custodian of any conditions found above.

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4.6.7 Notify M&TE Custodian if M&TE is transferred to a different location.

4.6.8 Tag, segregate or otherwise control M&TE with expired calibration to prevent use.

4.6.9 Coordinate with site calibration lab to calibrate any M&TE that is user site owned, as applicable.

4.6.10 Coordinate with M&TE Custodian to calibrate any CCP owned M&TE, as applicable.

4.7 Out-of-Tolerance, Defective, or Lost M&TE

M&TE User

4.7.1 **IF** M&TE is identified as lost, OOT , or defective,
THEN notify the VPM/designee.

VPM or Designee

4.7.2 **IF** notified M&TE is lost, OOT, or defective,
THEN notify M&TE Custodian, and QA.

4.7.3 **IF** the M&TE is lost, OOT, or defective,
THEN initiate an evaluation of measurements made by the M&TE since its last calibration and document results on Attachment 3, Out-of-Tolerance (OOT) Evaluation.

NOTE

An evaluation of the impact of OOT M&TE includes finding out if M&TE was used since the last calibration, when it was used, what it was used on and if the OOT condition affected the operations it was used on. If it did affect the operations it was used on, how many items did it affect.

4.7.4 Submit Attachment 3 to M&TE Custodian.

4.7.5 Initiate appropriate action based on the results of the evaluation.

4.7.6 Arrange for disposition of the M&TE according to recommendation and further technical evaluation, including NCR disposition.

CCP M&TE Custodian

4.7.7 Enter information needed from Attachment 3 into IDC.

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4.8 Closing/Exit Calibrations

NOTE
If CCP pulls out from a site before the exit calibrations can be made, an e-mail from the VPM is acceptable as a closing/Exit calibration notification.

VPM/Designee

4.8.1 When notified that M&TE is being taken out of service, arrange for a closing or exit calibration/evaluation.

4.8.2 Document results on Attachment 6, Closing/Exit Calibration.

4.8.3 Tag, segregate, or otherwise control the M&TE to prevent use.

4.8.4 Submit Attachment 6 to the CCP M&TE Custodian, as applicable.

4.8.5 **IF** results of calibration/evaluation indicate M&TE OOT,
THEN initiate an evaluation in accordance with Section 4.7.

4.8.6 **IF** an exit calibration was performed,
THEN arrange for the M&TE to be excessed.

4.8.7 **IF** a closing calibration was performed,
THEN remove the M&TE from service.

CCP M&TE Custodian

4.8.8 **IF** notified by VPM that M&TE is being taken out of service,
THEN instruct VPM to complete Steps 4.8.1 through 4.8.7 above.

4.8.9 Update the M&TE database.

4.8.10 **IF** M&TE is CCP owned,
THEN arrange for M&TE to be shipped back to SWB, as applicable after evaluation has been completed by VPM following applicable steps above.

4.8.11 Arrange for CCP owned M&TE to be excessed or disposed of, as applicable.

4.8.12 Submit Attachment 6 to records in accordance with CCP-QP-008.

4.9 Shipping M&TE to Calibration Lab

4.9.1 Follow Waste Isolation Pilot Plant (WIPP) procedure (WP) 15-PC3044 for coordinating with a calibration lab to get M&TE (re)calibrated including filling out the Inspection Plan from Q-Card Database, does not apply to user site cal labs.

4.9.2 Fill out Attachment 1 to EA15PM3525-1-0, *Shipping Authorization* following requirements in WP 15-PM3525 for each vendor being used.

4.9.3 Fill out Attachment 1, Quality Credit Card Purchase Log to WP 15-PC3044 following requirements in WP 15-PC3044.

4.9.4 Fill out Q-Card Authorization Form and get management approval.

4.9.5 Print a copy of the purchasing requirements for all vendors.

4.9.6 Print a copy of line item spreadsheet for all M&TE being shipped from IDC.

4.9.7 Print a copy of the approved Inspection Plan for Q-Card database.

4.9.8 Scan all signed documents prior to making shipment.

CCP M&TE Custodian

4.9.9 Box all M&TE into shipping boxes (use separate boxes for different vendors) as appropriate.

4.9.10 Record which boxes contain what M&TE on Shipping Authorization.

4.9.11 Include in each box the original Inspection Plan with initials and date (each item is assigned its own inspection plan), line item spreadsheet from IDC and the requirements sheet for all vendors, does not apply to user site cal labs.

4.9.12 Tape all boxes closed and weigh them.

4.9.13 Record the weight of each box onto Shipping Authorization.

4.9.14 Turn original Shipping Authorization into United States Department of Energy (DOE) Mailroom and coordinate the shipment of the boxed M&TE with mailroom.

4.9.15 File all records together for each shipment and retain in file following approved Records Inventory and Disposition Schedule (RIDS).

4.10 Receiving M&TE at SWB

CCP M&TE Custodian

4.10.1 Follow receipt requirements listed in "Receipt of Goods" in WP 15-PC3044.

4.10.2 Inspect each M&TE for ID tag that is intact and readable and for calibration tag being intact, readable and updated date.

4.10.3 Once all requirements in WP 15-PC3044 for Receipt of Goods is complete, contact mobile loading unit (MLU) contact for pick up of M&TE, or arrange for the M&TE to be shipped back to user site.

4.11 Procedure for Host site M&TE

NOTE

Labeling of Host site provided M&TE will be in accordance with the Host site requirements and defined labels. The steps provided in Section 4.9 define how CCP ensures compliance of Host site M&TE used in the CCP program.

4.11.1 Procurement of Host site M&TE

[A] Performed by the Host site.

4.11.2 Host Site M&TE in the CCP M&TE Database

M&TE User

[A] Provide M&TE records, including calibration records to the CCP VPM/Designee.

VPM Designee

[B] When additional Host site M&TE is requested for use, ensure it is on the CCP Approved M&TE List. Where calibration records are not immediately available, verify a current calibration tag is available on the M&TE Item and send an e-mail with applicable calibration information from the tag to the M&TE Custodian.

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CCP M&TE Custodian

[C] Enter updated information in IDC following Section 4.2 and update the Approved M&TE List online.

VPM or Designee

[D] Obtain records of calibration from Host site for all M&TE used in CCP operations and transmit them to M&TE Custodian.

[E] For M&TE calibrations performed by work package, verify the M&TE has a current calibration sticker and transmit the calibration record to the M&TE Custodian. If calibration record is in review, provide written notification to M&TE Custodian with M&TE ID number, Calibration Date, and Calibration Due Date. When calibration record is available, transmit to M&TE Custodian.

CCP M&TE Custodian

[F] Update M&TE Database with new M&TE calibration dates following Section 4.2 and update the Approved M&TE List.

[G] Submit Host site M&TE records to CCP records in accordance with CCP-QP-008.

NOTE

Host site provided equipment that has been entered into the M&TE database is included in the CCP recall system for notification that M&TE calibrations are coming due (60 days prior and upon calibration expiration).

[H] Recall actions are the responsibility of the Host site.

4.11.3 Control of Host site M&TE used in the CCP Program

VPM or Designee

[A] Verify Host site M&TE is adequately labeled with a unique Host site provided ID number.

[B] Coordinate monthly with the M&TE Custodian to verify the CCP M&TE database is updated to reflect the current records of calibration.

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[C] Notify M&TE Custodian of any conditions that could merit recall of M&TE.

[D] Notify the M&TE Custodian when M&TE is transferred to a different location.

[E] Coordinate equipment recall and calibration with the Host site.

CCP M&TE Custodian

[F] Enter Host site ID number in M&TE database along with calibration data per Section 4.2.

[G] Notify the Host site of any conditions that could merit recall.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] M&TE Database

[A.1] CCP Approved M&TE List

[A.2] Calibration Recall System

[B] Records of Calibration

[B.1] Evaluations/Impact Studies using Attachment 3 – Out-of-Tolerance (OOT) Evaluation, as applicable.

[B.2] Evaluations of Calibration Interval/ Tolerance Adjustments, Attachment 4 – Calibration Interval/Tolerance Adjustment Evaluation

[B.3] Evaluations of Exemptions/Temporary Extensions, Attachment 5 – Exemption/Temporary Extension Evaluation

[B.4] Closing/ Exit Calibration Evaluations, Attachment 6 – Closing/Exit Calibration

[B.5] E-mails from Host site documenting verification of current M&TE calibration and e-mails authorizing use of the M&TE for CCP processes (as applicable).

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Attachment 1 – Identification Labels and Calibration Tags

This attachment describes the labels and tags used to indicate the status of M&TE.

M&TE Identification Label

The M&TE identification label bears a unique ID number that may be alpha numeric or any combination of numbers or symbols as long as it is unique to that piece of equipment. CCP unique ID numbers, typically start with an XC (e.g., XC0410). However, equipment with both CCP and Host site ID numbers are used for CCP operations.

Calibration Tag

A calibration tag that identifies the calibration status shall include, as a minimum, a unique ID number for the equipment, and next calibration due date. CCP ID numbers will be the same on the M&TE Identification Label as described above and on the Calibration Tag.

Limited Calibration Tag

When all ranges and/or functions of an item calibrated by CCP have not (or cannot) be calibrated, a Limited Calibration Tag will be used. The limitations will be noted on the item's record of calibration and may be included as part of the calibration tag or on a separate tag applied in addition to the calibration tag. If the limitation/restrictions are too lengthy to include on the tag, the tag will direct the user to see the record of calibration which will be required to be retained with the item at all times.

Out of Calibration Tag

A tag that identifies a piece of M&TE as being overdue for calibration or suspended, suspected to be, or actually out-of-calibration. The label will include the date when the label was affixed and the name (initial or stamp) of the individual affixing the label.

Below are examples of calibration, limited calibration, and out-of-calibration tags that may be used to label CCP M&TE.

Attachment 1 – Identification Labels and Calibration Tags (Continued)

CALIBRATION*

CALIBRATION

I.D. No. _____

By _____ Date _____

Due _____

LIMITED CALIBRATION*

LIMITED CALIBRATION

_____

By _____ Date _____

DO NOT USE, OUT OF CALIBRATION*

OUT OF CALIBRATION

By _____ Date _____

DO NOT USE

*Sample of tag and may not reflect the color of tag the calibration vendor uses.

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Attachment 2 – Glossary

Accuracy – Measure of the degree by which the actual output of a device approximates the output of an ideal device nominally performing the same function.

As-found – Measurements made during calibration before any adjustments are made that could affect the accuracy and acceptability of the data collected with the M&TE since its last calibration.

As-left – Final measurements made during calibration, after any required adjustments to the M&TE being calibrated have been made. These data may be the same as "as-found" when no adjustments are required.

Calibration – Set of operations that establish, under specified conditions, the relationship between values indicated by a measuring instrument or measuring systems, and the corresponding standard, or known values derived from the standard.

Calibration interval – Length of time (days, months, years) that a measurement device may be used for acceptance inspections with a high level of confidence that the measurements are accurate.

Calibration organization/approved supplier – Ensures proper calibration and repair of M&TE. Performs calibration/work to physical and electrical standards traceable to NIST, or nationally recognized physical constants, necessary to perform required calibration services. Ensures the performance of field calibration services traceable to NIST upon request. External organizations providing calibration services must be on the NWP Qualified Suppliers List. The CCP qualified suppliers list (QSL) can include suppliers previously qualified by mobile vendors or generator sites.

Closing calibration – A calibration prior to removing M&TE from service with the intent of maintaining equipment as a spare.

Exit calibration – A calibration prior to removing M&TE from service with the intent to excess.

In use – M&TE being used while CCP operators are present.

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Attachment 2 – Glossary (Continued)

Measuring and test equipment (M&TE) – Devices or systems used to calibrate, measure, gauge, test, inspect, or control to acquire research, development, test, or operational data or to determine compliance with design, specifications, or other technical requirements. M&TE is normally used when a precision measurement with known tolerance and calibration traceability to NIST or other recognized standards is required.

M&TE history – Data that provides a calibration reliability profile for a piece of M&TE. Data may include as-found values for calibration cycles, any notes on repair, adjustments, restriction on use, next calibration due date, and other appropriate data.

M&TE usage history – Collection of data consisting of M&TE unique ID number, date M&TE was used, what M&TE was used on (e.g., tag, part number), and work control document (e.g., work packages, engineering maintenance standards, procedures, etc.).

National Institute of Standards and Technology (NIST) – U.S. Government organization that has responsibility for nationally recognized M&TE standards (formerly National Bureau of Standards).

Nondata M&TE – Portable test equipment used for preliminary checks, troubleshooting, or other nonprecision measurements where the data obtained will not be used to determine acceptability or verify conformance to established criteria.

Notice of deficiency – A notification that the equipment is lost, OOT, or defective.

Out-of-calibration – A condition in which the calibration for M&TE has expired or is otherwise indeterminate.

Out-of-tolerance (OOT) – A condition in which the readings, results, or function of M&TE are beyond the limits of permissible error.

Precision – The closeness of agreement between randomly selected individual measurements or test results under specified conditions. Precision can be viewed as repeatability.

Record of calibration – document that demonstrates the M&TE identified has been calibrated, using approved procedures, by comparisons to a known standard traceable to the NIST or other nationally accepted standard for those disciplines where no NIST standard exists.

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Attachment 2 – Glossary (Continued)

Reference standard – Standards (that is, primary, secondary, and working standards, where appropriate) used in a calibration program. These standards establish the basic accuracy limits for that program.

Reverse traceability – The ability to determine what work or equipment a piece of M&TE was used on, for purposes of impact analysis in response to a notice of deficiency.

Storage – M&TE will be stored at the end of each work shift or if CCP operators are not present. M&TE must be stored in an environment that will not adversely affect its accuracy (i.e., toolbox/storage cabinet).

Tolerance – The allowable deviation from a specified or true value.

Traceability – The ability to demonstrate, by means of recorded identification, a valid relationship between M&TE and nationally recognized standards (such as NIST), industry recognized standards, or accepted values of national constants.

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Attachment 3 – Out-of-Tolerance (OOT) Evaluation

1. M&TE ID Number:	2. Calibration Date:	3. Page ____ of ____

4. M&TE Item Description:

Manufacturer and Model Number:

CCP Process and Operations the M&TE Item is Used for:

5. Evaluation:

IF M&TE was used in OOT condition evaluate :

OOT Condition Found On M&TE Unit Under Test (UUT) : _____

Calibration Requirement Not Met by M&TE Item (UUT): _____

Range (or Tolerance) Required for CCP Process and Operations M&TE Item is Used for:_____

Based on Data Taken with UUT, was the Operating Range (or Tolerance) Violated?

YES ☐ If YES, Go to Block 6. **NO ☐ If NO, Go to Block 7.**

IF M&TE was NOT used in OOT condition, explain (e.g., "broke and was found in tolerance after repair"):
_____
Go to Block 7.

6. Associated NCR, (If Applicable):

7. Evaluator (Date Indicates that evaluation was completed):

_____ _____
Evaluator Print Name/Sign **Date**

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Attachment 4 – Calibration Interval/Tolerance Adjustment Evaluation

1. M&TE ID Number:	2. Calibration Date:	3. Page ____ of ____

4. M&TE Item Description:

Manufacturer and Model Number:
CCP Process and Operations the M&TE Item is Used for:

5. Calibration Parameter Being Evaluated: **Interval** ☐ **Tolerance** ☐ **Range** ☐

6. Evaluation:

What is the Current Calibration Interval, Tolerance, or Range for the M&TE Item?

Range (or Tolerance) Required for CCP Process and Operations M&TE Item is used for:

Basis for Changing M&TE Calibration Interval, Tolerance, or Range:

Recommended Change to M&TE Calibration Interval, Tolerance, or Range:

_____ _____
Cognizant Engineer Print Name/Sign **Date**

7. CCP M&TE Custodian Disposition of Calibration Interval, Tolerance, or Range Adjustment:

Recommendation Accepted? ☐ Yes ☐ No

Basis:
New Calibration Interval or Tolerance:

Follow-up Actions to Implement the Change:

☐ **Calibration Interval:**
Update IDC, Revise Calibration Procurement Documents, Revise Operations Procedures (if Required)

☐ **Calibration Tolerance:**
Add "COMMENT" In IDC, Revise Calibration Procurement Documents, Revise Ops Procedure (if Required)

☐ **Calibration Range:**
Apply "LIMITED CALIBRATION" Tag, Add "COMMENT" In IDC, Calibration Proc'mt. Docs., Ops Procedure (if Required)

_____ _____
CCP M&TE Custodian Print Name/Sign **Date**

Attachment 5 – Exemption/Temporary Extension Evaluation

1. ID Number: (N/A for Exemptions)	2. Calibration Date: (N/A for Exemptions)	3. Page ____ of ____

4. M&TE Description:

Manufacturer and Model Number:

CCP Process and Operations the M&TE Item is Used for:

5. Evaluation is for: ☐ **Exemption** ☐ **Temporary Extension**

6. Evaluation:

Exemption: ☐

Is calibration required by procedure or regulatory requirement? ☐ Yes ☐ No

Basis for calibration exemption and how procedure or regulatory requirement will be met:

Temporary Extension: ☐
Temporary Extension requested for_____ (days) (Not to exceed 25% of Calibration Interval)

Basis for temporary extension:

_____ _____
Cognizant Engineer Print Name/Sign **Date**

7. Exemption/Temporary Extension Disposition

Accept Recommendation? ☐ Yes ☐ No

Basis:

Exemption Granted? ☐ Yes ☐ No

Temporary Extension for_____ (days) (Not to exceed 25% of Calibration Interval)

Follow-up Actions to Implement the Change:

☐ **Calibration Exemption:**
Update IDC (if Required – "ARCHIVE" file)

☐ **Calibration Extension:**
Issue Revised Cal. Tag, Update IDC & Add "EXTENSION JUSTIFICATION" in IDC

_____ _____
CCP M&TE Custodian Print Name/Sign **Date**

Attachment 6 – Closing/Exit Calibration

1. ID Number:	2. Calibration Date:	3. Page ____ of ____

4. M&TE Description:

Manufacturer and Model Number:

CCP Process and Operations the M&TE Item is Used for:

5. Method used to Verify Measurement Data since Previous Calibration:

☐ **Re-calibration in accordance with Section 4.5.**

☐ **Field verification with known source:**

ID Number:
Calibration Date:
Calibration Due Date:

☐ **Other – Explain (e.g., M&TE Item was contaminated and had to be disposed):**

6. Associated NCR(s), (If Applicable):

7. Evaluator (Date Indicates that evaluation was completed):

_____ _____
Evaluator Print Name/Sign **Date**

M&TE Follow-up Actions:

☐ **Closing Calibration:**
"ARCHIVE" file & Add "COMMENT" in IDC

☐ **Exit Calibration:**
"ARCHIVE" file & Add "COMMENT" in IDC

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CCP-QP-021

Revision 9

CCP
Surveillance Program

EFFECTIVE DATE: 10/23/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
3	06/03/2002	Section 2.0, Requirements (page 2): Change the first paragraph after the bullets to read as follows: "Planned and periodic surveillance will be conducted to measure item and service quality, process effectiveness, and promote improvement. The organization performing the assessments will have sufficient authority and freedom from the activities being assessed to carry out its responsibilities. Persons conducting surveillances will be qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, and knowledgeable of the items and activities being assessed."
4	05/24/2004	Revised Sections 1.1, 2.0, 2.3, 2.4, 4.0, 5.0 and Figure 2.
5	11/16/2006	Reengineered Surveillance Program to make it more comprehensive, to ensure findings are identified and tracked, and to ensure consistency amongst CCP Quality Assurance (QA) personnel, and to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit-requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comment.
6	12/10/2008	Revised to delete reference to “assessments” incorporate conditions Corrected During Surveillance (CDS) and clarify training and qualification of surveillance personnel.
7	05/07/2010	General revision to clarify follow-up to observations and provide clarity of text.
8	01/16/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
9	10/23/2013	General revision: changed notes to action steps, rearranged action steps in chronological order, added definitions, deleted Surveillance Log Attachment Example, added action step for Surveillance Log detail, added Surveillance Checklist Example Attachment, updated titles, improved Surveillance Report format, improved Surveillance Plan format, deleted CCP-QP- 029, *CCP Corrective Action Management,* and CARs, replaced CARs with WIPP Forms, renumbered sections and paragraphs more logically, replaced CCP-QP-002, *CCP Training and Qualification Plan,* with CCP-QP-040, *Support Training,* clarified when notification is required, deleted Surveillance Checklist from Records, made editorial corrections.

TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5
1.2 Definitions 5

2.0 REQUIREMENTS 6
2.1 References 6

3.0 RESPONSIBILITIES 7
3.1 Assurance Programs Manager 7
3.2 Surveillance Lead 7
3.3 Surveillance Team Members 7
3.4 Surveillance Coordinator 8
3.5 Responsible Manager of Area Assessed 8
3.6 CTS Coordinator 8

4.0 PROCEDURE 9
4.1 Schedule the Surveillance 9
4.2 Plan and Conduct the Surveillance 10
4.3 Report the Surveillance 12
4.4 Follow Up the Surveillance 13

5.0 RECORDS 14

LIST OF ATTACHMENTS

Attachment 1 – Surveillance Plan Example 15
Attachment 2 – Surveillance Report Example 16
Attachment 3 – Surveillance Checklist Example 18

1.0 PURPOSE

This procedure specifies the steps for independent quality assurance (QA) surveillances, and establishes the process and responsibilities for planning, conducting, documenting, reporting, and following up surveillances of the Central Characterization Program (CCP).

1.1 Scope

This procedure applies to CCP organizations, facilities, and personnel conducting surveillances of TRU waste characterization. Planned and periodic surveillances will be conducted to measure item and service quality, process effectiveness, and to promote improvement. The organization conducting the surveillance will have sufficient authority and freedom to carry out its responsibilities. Persons conducting surveillances will complete a Quality Assurance Surveillance Personnel Qualification Card prepared and approved in accordance with CCP-QP-040, *Support Training,* and be knowledgeable of the items and work assessed.

1.2 Definitions

Corrected During the Surveillance	An isolated condition adverse to quality which can be corrected and verified by review of objective evidence before the surveillance concludes.
Finding	A violation of a quality assurance requirement requiring documentation by Nonconformance Report or Waste Isolation Pilot Plan (WIPP) Form.
Objective Evidence	Any documented statement of fact, other information, or record, either quantitative or qualitative, pertaining to the quality of an item or process, based on observation, measurement, or test which can be verified.
Observation	A condition that, if not addressed, may deteriorate into a finding.
Other Condition Requiring Resolution (OCRR)	A violation of a non-quality assurance requirement that requires documentation and followup by entry in the Commitment Tracking system (CTS).
Recommendation	A suggestion that, if implemented, might improve compliance with the quality assurance program.
Surveillance	Monitoring or observing to verify whether an item or process conforms to specified requirements.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- WP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description*

Referenced Documents

- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-040, *Support Training*
- WP 15-GM1002, *Issues Management Processing of WIPP Forms*

3.0 RESPONSIBILITIES

3.1 Assurance Programs Manager

3.1.1 Ensures implementation of the surveillance program as specified in this procedure.

3.1.2 Approves the surveillance schedule.

3.1.3 Ensures that surveillance personnel have successfully completed a Quality Assurance Surveillance Personnel Qualification Card.

3.1.4 Ensures surveillance personnel have sufficient authority and organizational freedom to carry out their assigned responsibilities.

3.1.5 Assigns Surveillance Lead.

3.1.6 Informs the Nonconformance Report (NCR) Coordinator, Commitment Tracking System (CTS) Coordinator, and Nuclear and Worker Safety Compliance Coordinator about findings.

3.2 Surveillance Lead

3.2.1 Selects the Surveillance Team Members and ensures they meet qualification requirements.

3.2.2 Informs the surveillance team regarding the Plan, assignments, etc.

3.2.3 Notifies affected organizations of surveillances, when applicable.

3.2.4 Develops the surveillance plan.

3.2.5 Approves surveillance checklists, when used.

3.2.6 Organizes and directs the surveillance.

3.2.7 Reports the surveillance results.

3.2.8 Follows up on observations and findings identified in previous surveillances or other assessments, or NCR or WIPP Form dispositions.

3.3 Surveillance Team Members

3.3.1 Identifies the criteria to be used during the surveillance.

3.3.2 Develops the surveillance checklist(s), when applicable, under the direction of the Surveillance Lead.

3.3.3 Periodically informs the Surveillance Lead of progress and problems with assigned tasks during the surveillance.

3.3.4 Notifies the Responsible Manager and Surveillance Lead when potentially unsafe conditions are identified.

3.4 Surveillance Coordinator

3.4.1 Develops and maintains a surveillance schedule.

3.4.2 Develops and maintains a Surveillance Log.

3.4.3 Develops at least annually and maintains surveillance schedules that document planned surveillances.

3.5 Responsible Manager of Area Assessed

3.5.1 Corrects conditions adverse to quality and tracks and follows up on Observations, and OCRRs identified during the surveillance.

3.6 CTS Coordinator

3.6.1 Enters CTS data into the WIPP CTS for tracking and follow-up when applicable.

4.0 PROCEDURE

4.1 Schedule the Surveillance

Assurance Programs Manager

4.1.1 In coordination with Management, identify work to be assessed by surveillance.

Surveillance Coordinator

4.1.2 Prepare and maintain the surveillance schedule based on QA and Management input.

4.1.3 Assign a unique Surveillance number to each surveillance and document the following in a Surveillance Log:

- Surveillance number
- Item, process, organization, or procedure to be assessed.
- Date the surveillance is planned to begin.

[A] The Surveillance number is represented by:

- SUR-xxxxxx-yy-zz, where:
- "SUR" represents the designator for surveillance
- "xxxxxx" represents the facility (CCP, INL, LANL, ORNL, RL, SRS, RHANL, etc.) (when applicable to remote-handled waste, include "RH" as a prefix to the site designator [e.g., Los Alamos National Laboratory remote-handled waste = "RHLANL"])
- "yy" represents a sequential number, beginning "-01-" each calendar year.
- and "zz" represents the final two digits of the calendar year in which the surveillance is initiated.

[B] Examples of surveillance numbers:

- SUR-RHINL-01-13
- SUR-SRS-94-13
- SUR-CCP-15-13

4.1.4 Obtain Assurance Programs Manager approval of the schedule.

Assurance Programs Manager

4.1.5 Assign a Surveillance Lead for each scheduled surveillance.

[A] Select personnel who have no direct responsibility for the work to be assessed.

4.1.6 Approve the surveillance schedule.

4.2 Plan and Conduct the Surveillance

Surveillance Lead

4.2.1 Obtain a Surveillance Number from the Surveillance Coordinator.

4.2.2 Select Surveillance Team Members as needed, based on expertise, availability, experience, objectivity, and the scope, complexity, or special nature of the work to be assessed, with the following in mind:

- Surveillance Team Members shall be qualified to conduct surveillances in accordance with CCP-QP-040.
- Personnel having direct responsibility for work to be assessed shall NOT be involved in the selection of the team.
- Surveillance Team Members shall have the authority to conduct surveillances, and shall be independent from the organization to be assessed.
- During surveillance, technical specialists may be used to assist with assessment of the adequacy of technical attributes.
- The Surveillance Lead will ensure technical specialists are knowledgeable of the technical attributes to be assessed, and that they receive the same instructions as other team members.

4.2.3 Prepare the Surveillance Plan (See Attachment 1, Surveillance Plan Example) to address the following priorities:

- Monitor work in progress

- Document compliance or noncompliance with established requirements and procedures
- Identify actual and potential conditions adverse to quality
- Obtain timely corrective action commitment from responsible managers for identified conditions adverse to quality
- Notify responsible managers of the quality status of work
- Verify effective implementation of corrective action

4.2.4 Review the Plan with Surveillance Team members, including pertinent background information, previous surveillance or oversight results, applicable procedures, and applicable technical documents to familiarize Surveillance Team members with the work under assessment.

4.2.5 When the organization to be assessed is outside the area of responsibility of the organization conducting the surveillance, notify the organization(s) to be assessed of the surveillance date(s) and its purpose by memorandum, letter, or email.

Surveillance Team Members

4.2.6 When electing to use surveillance checklists, prepare them including the criteria to be assessed. See Attachment 3, Surveillance Checklist Example, for guidance.

4.2.7 Examine objective evidence, work in progress, items (including components, specimens, or equipment, etc.), and interviewing responsible personnel as applicable. Include technical evaluations of the applicable procedures, instructions, work, and items, as applicable.

4.2.8 Review previous corrective actions, when applicable, to assess implementation and effectiveness.

4.2.9 Review applicable documents, standards, and criteria pertaining to the process to be assessed.

4.2.10 Document the results of the surveillance as input to the surveillance report in sufficient detail, including but not limited to objective evidence examined and personnel interviewed to ensure retrieval of records examined is possible.

4.2.11 Inform the Surveillance Lead of progress andproblems with assigned tasks during the surveillance.

4.2.12 Notify the Responsible Manager and Surveillance Lead of potentially unsafe conditions.

Surveillance Lead

4.2.13 Notify the Assurance Programs Manager and the management of the assessed organization as soon as practicable if conditions are discovered that could impact prior work, affect work in progress significantly, or if conditions require prompt attention.

4.2.14 If applicable, prepare NCRs in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* and WIPP Forms in accordance with WP 15-GM1002, *Issues Management Processing of WIPP Forms*.

4.2.15 Brief management of the assessed organization.

4.3 Report the Surveillance

4.3.1 Prepare the surveillance report using Surveillance Report (Example provided as Attachment 2, Surveillance Report) and include the following elements, as applicable:

- Identify conditions adverse to quality in sufficient detail to enable corrective actions to be taken by the assessed organization. Document nonconforming item(s) (i.e., hardware or data) using an NCR and programmatic conditions using a WIPP Form. Cite the requirement(s) applicable to these deficiencies.
- If Observations were identified, state that conditions observed, if not addressed, could deteriorate into a finding.
- If Other Conditions Requiring Resolution were identified, describe them and what requirements were violated
- When applicable, provide recommendations that could strengthen the existing program or process
- Include in the report descriptions of all actions taken to resolve conditions adverse to quality, and identify those conditions adverse to quality as corrected during the surveillance (CDS).

4.3.2 Sign and date and submit the report to the Assurance Programs Manager for review and approval.

Assurance Programs Manager

4.3.3 Review the surveillance report, resolve any issues with the Surveillance Lead, and approve the report.

4.3.4 Issue the surveillance reports to management, Nuclear and Worker Safety Compliance Coordinator, NCR Coordinator, Surveillance Coordinator, National TRU Program Certification (NTPC) Records, the applicable Host Site Subcontract Technical Representative , and the applicable Site Project Manager.

4.3.5 Consider the surveillance closed when issued. The conditions adverse to quality are documented by NCR, WIPP Form, or CTS item, all of which are self-contained systems in which the deficiency documents or items are closed independently.

4.4 Follow Up the Surveillance

CTS Coordinator

4.4.1 Make a separate entry for each finding (NCR or WIPP Form) identified in the report into the Integrated Data Center or the WIPP CTS.

Responsible Manager of Assessed Organization

4.4.2 Ensure timely and effective corrective actions in response to NCRs, WIPP Forms, or Other Conditions Requiring Resolution resulting from the surveillance.

4.4.3 Work with the Surveillance Lead and the Assurance Programs Manager to resolve issues regarding necessary corrective actions.

4.4.4 After completion of corrective actions associated with surveillance, inform the CTS Coordinator.

5.0 RECORDS

5.1 Records generated as a result of implementing this procedure are controlled, maintained, and submitted as QA records in accordance with CCP-QP-008, *CCP Records Management*. The records are the following:

5.1.1 QA/Nonpermanent

[A] Surveillance File, including:

- Surveillance Notification, when applicable
- Surveillance Plan
- Surveillance Report

[B] Surveillance Schedule

Attachment 1 – Surveillance Plan Example

SURVEILLANCE PLAN

[SUBJECT or Organization to be assessed]

Surveillance Number:	[SUR-SRS-01-13]
Organization to be Evaluated:	[CCP Nondestructive Examination]
Location:	[Savannah River Site]
Surveillance Initiation Date:	[1 October 2013]
Surveillance Team Lead:	
Surveillance Team Member(s):	
Scope:	[What will the surveillance team look at?]
Planned Contact(s):	
Objective(s):	[How the surveillance will be done: examine documents, interview personnel, or observe work in progress, etc.]
Applicable Requirements and Documents:	[Procedures, DOE documents, corrective action commitments, recurrence of previous findings, etc.]

Attachment 2 – Surveillance Report Example

SURVEILLANCE REPORT

SUR-xxxxxx-yy-zz

Central Characterization Program

[Nondestructive Assay at (Host site)]

Surveillance Team Lead:	_____	_____	_____
	print name	**signature**	**date**
Assurance Programs Manager:	_____	_____	_____
	print name	**signature**	**date**

Attachment 2 – Surveillance Report Example (continued)

SUMMARY
[a brief sentence or two on surveillance results: when and where the surveillance was conducted, how many WIPP Forms, Observations, OCRRs, Recommendations, etc., and a summary statement on whether the implementation of the QA Program for what was examined was satisfactory]

SCOPE
[e.g., what the surveillance personnel examined]

CRITERIA
[e.g., what requirements the surveillance was based on: such as CCP-QP-002, *CCP Training and Qualification Plan,* revision 35]

PERSONNEL
[surveillance team lead and members; personnel whom the surveillance team contacted or interviewed]

DETAILS
[how the surveillance was conducted: e.g., what objective evidence was reviewed; what work was observed; and the results]

FINDINGS (NCRs and WIPP Forms)

OTHER CONDITIONS REQUIRING RESOLUTION (include CTS nos.)

CORRECTED DURING THE SURVEILLANCE

STATUS OF CONCERNS PREVIOUSLY IDENTIFIED

OBSERVATIONS

RECOMMENDATIONS

NOTEWORTHY PRACTICE

ATTACHMENTS [if applicable]

Attachment 3 – Surveillance Checklist Example

SURVEILLANCE CHECKLIST

Surveillance number: SUR- **Checklist approved by:** **Date:** **Page 1 of 1**

No.	Reference	Criterion	Notes (NCR = Nonconformance Report; WF = WIPP Form; CDS = Corrected During the Surveillance; OBS = Observation; OCRR = Other Condition Requiring Resolution))	SATIS-FACTORY (S); UNSATIS-FACTORY (U); or N/A
1.				
2.				
3.				
4.				
5.				
[etc.]				

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CCP-QP-028

Revision 15

CCP
Records Filing, Inventorying, Scheduling, and Dispositioning

EFFECTIVE DATE: 01/22/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
3	08/20/2002	Added steps 4.3.3 through 4.3.6. Added a Table of Contents. Added a Record of Revision. Other editorial changes.
4	10/24/2002	Added new Step 3.1.2 and revised Step 4.2.4.[B] making the Project Manager responsible for signing RIDS; added as result of a comment during the SRS Recertification Audit.
5	09/25/2003	Separated electronically fillable forms and updated references in procedure. Added responsibilities for CCP personnel. Other editorial changes.
6	07/25/2006	Revised to change the CCP Project Manager's responsibility to the CCP Project Support Manager.
7	04/18/2007	Revised to change CCP Project Support Manager responsibilities to the CCP Program Development Manager.
8	09/11/2007	Revised to make minor editorial changes and to replace Attachment 1, Records Inventory and Disposition Schedule with new DOE form, DOE F 1324.10 (06-96).
9	02/24/2009	Revised to incorporate changes to titles of personnel and names for organizations. Also, a step was added to Section 4.2 (step 4.2.5) to complete the process performed. Section 4.4 was deleted since the requirements are not applicable to the CCP scope of work (they are implemented at the RCT level).
10	04/08/2010	Revised to incorporate changes to Attachment 2, Instructions for Filling Out the Records Inventory and Disposition Schedule.
11	05/19/2010	Revised to bring instructions regarding location in Attachment 4, Instructions for Filling Out the Records Inventory and Disposition Schedule, in line with current practice.
12	11/09/2010	Revised to remove examples form and re-number remaining attachments and update Attachment 2.
13	09/09/2011	Revised to correct reference section of the procedure and remove a reference that is no longer active.

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
14	01/16/2012	Revised to bring into line with the Waste Isolation Pilot Plant (WIPP) Inventory Worksheets and general editing of the procedure.
15	01/22/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6

3.0 RESPONSIBILITIES 7
3.1 CCP Manager or Designee 7
3.2 Lead Records Custodian 7
3.3 WIPP Records Management Services (WRMS) 7

4.0 PROCEDURE 8
4.1 Developing a New Inventory and RIDS 8
4.2 RIDS Review and Approval 8
4.3 Revising and Reviewing the RIDS 9

5.0 RECORDS 10

1.0 PURPOSE

This procedure provides direction and instruction for generating, issuing, and using a Records Inventory and Disposition Schedule (RIDS).

1.1 Scope

The procedure applies to Central Characterization Program (CCP), CCP Manager, and Records Custodians responsible for inventory, scheduling, and disposing of CCP records under their cognizance, regardless of media, in order to document the activities related to the CCP.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- 44 USC 3301, *Definition of Records*
- DOE/CBFO-94-1012, *U.S. Department of Energy Carlsbad Field Office* (CBFO) *Quality Assurance Program Document* (QAPD)

Referenced Documents

- EA15RM3002-1, *WIPP Records Inventory Work Sheet*
- EA15RM3002-2, *Records Inventory and Disposition Schedule (RIDS)*
- WP 15-RM3002, *Records Filing, Inventorying, Scheduling, and Dispositioning*
- CCP-QP-008, *CCP Records Management*

3.0 RESPONSIBILITIES

3.1 CCP Manager or Designee

3.1.1 Approves the Records Inventory and Disposition Schedule (RIDS).

3.2 Lead Records Custodian

3.2.1 Develops new RIDS.

3.2.2 Performs annual review and revision of RIDS.

3.3 WIPP Records Management Services (WRMS)

3.3.1 Reviews the RIDS and associated WIPP Records Inventory Worksheets.

3.3.2 Provides final approval signature for the RIDS.

4.0 PROCEDURE

4.1 Developing a New Inventory and RIDS

Lead Records Custodian

NOTE
The Lead Records Custodian may request assistance from WIPP Records Management Services (WRMS) for performance of steps 4.1.1 and 4.1.2.

4.1.1 Complete EA15RM3002-1, *WIPP Records Inventory Work Sheet* for each record and non-record series, using the instructions contained in WP 15-RM3002, *Records Filing, Inventorying, Scheduling, and Dispositioning*.

4.1.2 Complete the RIDS on form EA15RM3002-2, *Records Inventory and Disposition Schedule (RIDS),* using the instructions contained in WP 15-RM3002.

4.2 RIDS Review and Approval

Lead Records Custodian

4.2.1 Forward the draft RIDS and all EA15RM3002-1 to WRMS for review and comments.

4.2.2 **IF** WRMS returns the RIDS with comments,
THEN resolve the comments.

4.2.3 **IF** notified by WRMS that the RIDS is acceptable,
THEN print out a final copy of the RIDS for signatures.

4.2.4 Obtain the required signatures in Block 5, RIDS, as follows:

[A] Prepared by - Signature of the designated trained Lead Records Custodian who prepared the RIDS

[B] Approved by - Signature of the CCP Manager or Designee

[C] Record Liaison Officer - Enter “N/A”

4.2.5 Submit signed RIDS to WRMS for final approval by obtaining WRMS signature.

4.3 Revising and Reviewing the RIDS

Lead Records Custodian

4.3.1 Review files annually, at a minimum.

NOTE
Take into consideration organization changes that may affect record series custodianship, location, or when new record series are created.

4.3.2 Check all record and non-record material on the current RIDS.

4.3.3 **IF** a new series is added,
THEN complete an EA15RM3002-1, with the instructions in WP 15-RM3002, **AND** add the new record series to a draft CCP RIDS.

4.3.4 **IF** a record series is no longer generated and maintained,
THEN complete an EA15RM3002-1, with the instructions in WP 15-RM3002, **AND** delete the item on a draft RIDS.

4.3.5 Forward the draft RIDS, **AND** any new EA15RM3002-1 to the WRMS annually at a minimum.

4.3.6 Follow steps 4.2.2 through 4.2.5.

4.3.7 **IF** an interim RIDS change is needed to make an immediate change of information on the RIDS,
THEN complete an EA15RM3002-1, with the instructions in WP 15-RM3002.

4.3.8 Send copy to WRMS and add changes to a draft RIDS to be submitted in the next RIDS review.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained in accordance with CCP-QP-008, *CCP Records Management.* The records are the following:

Non-Quality Assurance

5.1.1 Records Inventory and Disposition Schedule

5.1.2 WIPP Records Inventory Worksheet

Controlled
Copy

CCP-TP-001

Revision 20

CCP
Project Level
Data Validation and Verification

EFFECTIVE DATE: 09/27/2012

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
4	12/14/2001	Revised to reflect the use of an electronic data management system at some sites. A new Section 4.4 was created; minor changes to Section 4.7; references and records updated, and Attachments 1 through 4 revised.
5	03/08/2002	Minor editorial changes; added a new Section 4.8, and a new Attachments 7 through 11.
6	05/15/2002	Description of Revision: Changes made due to the Revision of DOE/WIPP-02-3122, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (CH-WAC) and changes to the Permit Modification to be implemented June 1, 2002. Plus planned changes due to process improvement. Multiple section changes as well as Attachment changes.
7	01/13/2003	Updated title of CCP-PO-005. Updated attachments 1 through 12.
8	02/03/2003	Additions to Attachment 4 and Attachment 5, DAC requirements. Resolved CBFO comments.
9	07/10/2003	Text and attachments to include Homogeneous Solid/Soil Waste Sampling and Checklists. Added steps to validate BDRs through P-TS. Separated electronically fillable forms and updated references in procedure.
10	08/28/2003	Revised sections 2.1, 2.6, 3.2, 4.3, and 5.1.
11	03/23/2005	Revised to incorporate LANL Off-Site Source Recovery Project (OSRP) requirements. Deleted Section 4.5, e-QA forms, Attachments 1 through 4 due to closure of Argonne National Laboratory (ANL)-East. Revised CCP Records Custodian and Facility Records Custodian responsibilities and actions.
12	05/25/2006	Revised to address Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
13	07/21/2006	Revised Attachments 10, 11, 13, 14, and 15 in response to Corrective Action Report (CAR) Number CAR-LANL-0006-06.
14	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
15	11/22/2006	Minor revision to correct header in Attachment 12.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
16	04/26/2007	Clarification of note in Section 4.3 for quarterly reports.
17	09/24/2007	Revised to clarify the references in the attachments and to remove the 25%RPD limit for solids/soils co-located cores/samples from Attachments 6, 7, 8 and 9. Revised to remove Visual Examination (VE) Expert decisions and signature and date. Modifications were made to Sections 4.4, 4.5, and Attachments 6 through 9 to discuss the F-test and control charts.
18	08/09/2010	Revised to address Hazardous Waste Facility Permit modification, and other editorial and freeze file changes.
19	12/29/2010	Revised to clarify independent technical reviewer (ITR) Independence and to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*
20	09/27/2012	Revised to remove references to P-TS. Also revised due to CAR-LANL-0005-12 and CBFO CAR 12-033.

TABLE OF CONTENTS

1.0 PURPOSE 6
1.1 Scope 6

2.0 REQUIREMENTS 7
2.1 References 7
2.2 Training Requirements 7
2.3 Equipment List 7
2.4 Precautions and Limitations 7
2.5 Prerequisite Actions 7
2.6 Definitions 8
2.7 Project Office Integrated Data Center (IDC) (where available) 8

3.0 RESPONSIBILITIES 9
3.1 SPM 9
3.2 CCP Records Custodian 10
3.3 Facility Records Custodian 10

4.0 PROCEDURE 11
4.1 BDR Receipt 11
4.2 SPM BDR Review 11
4.3 Quarterly Repeat of DGL Data Review, Validation, and Verification 17
4.4 Reporting Relative Percent Difference (RPD) and F-test Method Results for Co-located Cores/Samples 18
4.5 Acceptance Criteria for Co-located Cores/Samples 21

5.0 RECORDS 22

LIST OF ATTACHMENTS

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary 24
Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary 28
Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary 31
Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary 35
Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary 39
Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary 44
Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary 49
Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary 55
Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary 61
Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary 65
Attachment 11 – CCP SPM Off-Site Source Recovery Sealed Source Radiological Characterization Project Level Validation Checklist and Summary 70

LIST OF TABLES

Table 1. Critical Values for the 90th Percentile of the F Probability Distribution with 1 Degree of Freedom in the Numerator and n-1 Degrees of Freedom in the Denominator of the Variance Ratio 21

1.0 PURPOSE

Waste characterization data generated by characterization activities are validated and verified in compliance with CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (QAPjP) and CCP-PO-002, *CCP Transuranic Waste Certification Plan*. The format of CCP-PO-001 parallels that of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit,* NM 4890139088 TSDF, Attachment C, *Waste Analysis Plan* (WAP). Characterization data requiring review, validation and verification includes Nondestructive Examination (NDE), Nondestructive Assay (NDA), Sealed Sources Radiological Characterization Data, Headspace Gas (HSG) Sampling and Analysis, Solids/Soils Waste Sampling and Analysis, and Visual Examination (VE).

1.1 Scope

NOTE

Gas Generation Testing (GGT) data review and validation are not addressed in this procedure. Refer to CCP-PO-016, *CCP Gas Generation Testing Program Quality Assurance Project Plan* for guidance.

This procedure defines the activities required to perform data validation and verification at the Central Characterization Project (CCP) Project Office. This procedure is applicable to all personnel performing data validation and verification. The Site Project Manager (SPM) is responsible for conducting the data validation and verification activities described in this procedure. Compliance with this procedure ensures that each batch data report (BDR) complies with the requirements of the CCP-PO-001 and CCP-PO-002.

2.0 REQUIREMENTS

2.1 References

Referenced Documents

- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*, NM 4890139088-TSDF, Attachment C, *Waste Analysis Plan*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-016, *CCP Gas Generation Testing Program Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-006, *CCP Corrective Action Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan* prior to performing this procedure.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 None.

2.5 Prerequisite Actions

2.5.1 None.

2.6 Definitions

2.6.1 None.

2.7 Project Office Integrated Data Center (IDC) (where available)

2.7.1 The IDC provides the capability of tracking BDRs for review.

2.7.2 The IDC provides, as a minimum, the following:

[A] Link to a scanned copy of the BDR.

[B] Status of the BDR.

[C] HOLD status of the BDR.

[D] Status of Nonconformance Reports (NCRs).

3.0 RESPONSIBILITIES

NOTE

Implementation of this procedure requires the following positions: Data Generation Level (DGL) Personnel, SPM, CCP Records Custodian, and Facility Records Custodian.

3.1 SPM

3.1.1 Reviews 100 percent of the BDRs generated as a result of waste characterization activities prior to any of the waste associated with the data reviewed being shipped to the Waste Isolation Pilot Plant (WIPP).

3.1.2 Ensures the DGL Independent Technical Reviewer (ITR) reviews, validations, and verifications have been performed by verifying completed review checklists and appropriate signatures.

3.1.3 Ensures BDR review checklists are complete.

3.1.4 Ensures Testing, Sampling, Analytical, BDR Quality Checks (QC), and data are within established data assessment criteria and meet all applicable Quality Assurance Objectives (QAOs) as defined by CCP-PO-001.

3.1.5 Ensures BDRs are complete and data are properly reported (e.g., data are reported in the correct units, correct significant figures, and correct qualifying flags).

3.1.6 Prepares the applicable CCP SPM Project Level Data Validation Summary.

3.1.7 Verifies the validity of the drum age criteria (DAC) assignment made at the DGL based upon an assessment of the data collection and evaluation necessary to make the assignment.

3.1.8 Releases, by signature and date, the BDR upon completion of the SPM review.

3.1.9 Generates NCRs in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control* and Corrective Action Reports (CARs) in accordance with CCP-QP-006, *CCP Corrective Action Reporting and Control* as required.

3.1.10 Reviews NCRs and verifies corrective actions, as needed.

3.1.11 Determines if U.S. Department of Energy (DOE)/Carlsbad Field Office (CBFO) reporting is required for NCRs/CARs generated at the SPM level.

[A] Makes notifications to DOE/CBFO, and ensures actions are completed as required.

3.2 CCP Records Custodian

3.2.1 Receives corrected BDR or BDR pages from the Facility Records Custodian, as necessary, in accordance with CCP-QP-008, *CCP Records Management*.

3.3 Facility Records Custodian

3.3.1 Enters BDR into the IDC.

3.3.2 Receives, processes, and transmits corrected BDR or BDR pages to CCP Records Custodian, when applicable, in accordance with CCP-QP-008.

4.0 PROCEDURE

4.1 BDR Receipt

Facility Records Custodian

4.1.1 Enter BDR into the IDC.

NOTE
Steps in Section 4.2 may be performed in any order.

4.2 SPM BDR Review

NOTE
Section 4.2 must be completed for 100 percent of the BDRs transmitted to the SPM.

The SPM must perform a comprehensive review of the data (e.g., correct units, significant figures, and qualifying flags are met, as well as ensuring that data assessment criteria are met).

SPM

4.2.1 Initiate BDR review in the IDC as follows:

[A] Log into the IDC.

[B] Select BDR to review (e.g., the IDC Daily Hot Lists).

[C] Click on START SPM REVIEW.

[D] Compare Container Identifications (IDs) in the BDR to the Container IDs included in the IDC.

[E] **IF** any Container IDs from the BDR are missing from the IDC **OR** DO **NOT** match those entered into the IDC, **THEN** contact the CCP Records Custodian/Facility Records Custodian, **AND** resolve the problem.

[E.1] Place BDR on HOLD by selecting, PLACE BDR ON HOLD, if necessary, **AND** enter reason for HOLD in the Comments/Qualifiers Section by selecting ADD/EDIT COMMENTS.

[E.2] **WHEN** the problem is resolved,
THEN select REMOVE HOLD FROM BDR in the IDC.

[E.3] Compare NCRs included in the BDR to the NCRs in the IDC, if applicable.

[E.4] **IF** any NCRs are missing from the IDC **OR** DO **NOT** match those entered into the IDC for the BDR,
THEN contact the NCR Coordinator, **AND** resolve the problem.

[E.5] Place BDR on HOLD by selecting, PLACE BDR ON HOLD, if necessary, **AND** enter reason for HOLD in the Comments/Qualifiers Section by selecting ADD/EDIT COMMENTS.

[E.6] **WHEN** the problem is resolved,
THEN select REMOVE HOLD FROM BDR in the IDC.

NOTE

Containers for Newly Generated Waste will **NOT** appear in the Acceptable Knowledge (AK) Tracking Spreadsheet on the CCP File Transfer Protocol (ftp) site for VE Technique BDRs. All Newly Generated Waste containers should be listed in the AK Tracking Spreadsheet at the time of validation for all other BDR types.

NOTE

Reports derived from the IDC Search function use the AK Tracking Spreadsheets and can be used to verify Container IDs.

[F] Compare Container IDs in the BDR to the approved AK Tracking Spreadsheet on the CCP ftp site.

[G] **IF** any Container IDs are included in the BDR that are **NOT** on the approved and posted AK Tracking Spreadsheet,
THEN contact the AK Expert.

[G.1] Place BDR on HOLD by selecting, PLACE BDR ON HOLD, if necessary, **AND** enter reason for HOLD in the Comments/Qualifiers Section by selecting ADD/EDIT COMMENTS.

[G.2] **WHEN** the problem is resolved,
THEN select REMOVE HOLD FROM BDR in the IDC.

4.2.2 Select the appropriate SPM checklist for the BDR being reviewed.

4.2.3 Record the BDR Number at the top of the appropriate SPM checklist.

4.2.4 Record the Sampling, Analysis, Sampling/Analysis, or Examination Date(s) at the top of the appropriate SPM checklist.

4.2.5 Verify that the DGL ITR reviews, validations, and verifications have been performed as evidenced by the completed review checklist and appropriate signature release.

4.2.6 Verify the BDR is complete.

4.2.7 Verify that data are within established data assessment criteria and meet all applicable QAOs: Precision, Accuracy, Completeness, Comparability, and Representativeness.

NOTE

To answer questions regarding specific criteria being met, (i.e., QAOs, QCs), the SPM must ensure that the information presented in the BDR meets the requirements identified in CCP-PO-001, CCP-PO-002, and CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*.

4.2.8 Answer each question on the appropriate SPM checklist after verifying that the specific criteria have been met.

NOTE

All containers listed in the BDR will be listed on the SPM checklist.

4.2.9 **IF** any question is answered NO,
THEN evaluate the impact, **AND** perform steps 4.2.11 and 4.2.14, as appropriate.

4.2.10 **IF** any question is answered NA or NO,
THEN provide justification in the Comments/Qualifiers Section of the appropriate SPM checklist, as applicable.

NOTE

Editorial corrections may be made to the BDR by the Operator, ITR, SPM or a Designee as directed by these personnel. The extent of editorial corrections permitted by a Designee is identified in CCP-QP-008. Data affecting changes are ONLY made by DGL personnel. Any data affecting changes made by DGL personnel will require a re-review by the Operator, ITR, and SPM.

4.2.11 **IF** editorial inconsistencies, mistakes, omissions, etc., are noted during the SPM review, that DO **NOT** change the characterization data,
THEN notify DGL personnel of required corrections, **AND** edit the BDR in accordance with CCP-QP-008.

[A] Place BDR on HOLD by selecting, PLACE BDR ON HOLD, if necessary, **AND** enter reason for HOLD in the Comments/Qualifiers Section by selecting ADD/EDIT COMMENTS.

DGL Personnel

[B] Perform editorial corrections, as needed.

[C] Resubmit corrected BDR or BDR pages to the Facility Records Custodian in accordance with CCP-QP-008.

Facility Records Custodian

[D] Receive, process, and transmit or maintain corrected BDR or BDR pages in accordance with CCP-QP-008.

[E] Notify SPM to continue review.

4.2.12 **IF** required changes CAN **NOT** be adequately documented on the SPM checklist,
THEN include additional information on an additional sheet of paper as needed.

4.2.13 **IF** additional information is placed after an SPM checklist,
THEN indicate, on the appropriate SPM checklist, that additional information is being provided, **AND** paginate the inserted documentation to show which checklist it is associated with (e.g., SPM-1).

NOTE
Corrections to BDRs mandated by Project Office NCRs will not proceed until DGL has been provided a copy of the validated and dispositioned Project Office NCR.

4.2.14 **IF** data affecting inconsistencies, mistakes, omissions, etc., are noted during the SPM review, that impact or change the characterization data,
THEN Initiate an NCR in accordance with CCP-QP-005:

[A] Ensure copy of approved Project Office NCR is provided to DGL documenting required changes in the NCR disposition.

DGL Personnel

[B] Correct the deficiency.

[C] ITR Re-review in accordance with the applicable procedure, **AND** resubmit corrected BDR or BDR pages to CCP Records for processing in accordance with CCP-QP-008.

4.2.15 Record comments in the box at the end of the appropriate SPM checklist or record NA.

4.2.16 Print name, sign, and date the appropriate SPM checklist.

4.2.17 End SPM review in IDC.

4.2.18 Submit completed SPM checklist to CCP Records for processing in accordance with CCP-QP-008.

4.2.19 If SPM re-review is required,

[A] Insert corrections.

[A.1] **IF** revised page contains correction or additional information,
THEN replace the BDR record page with the corrected page.

OR

[A.2] **IF** additional corrected pages are inserted in the numbered section of the BDR,
THEN supercede pages, **AND** properly paginate the inserted documentation in accordance with CCP-QP-008.

[B] Select RE-REVIEW button in the IDC, if necessary.

[C] Perform a re-review of the corrected BDR.

[D] Verify that all criteria have been met and the review is complete.

[E] Select REMOVE HOLD ON BDR in the IDC, if necessary, **AND** complete review in the IDC.

4.2.20 Print name, sign name, enter reason for re-review, and enter date completed on the appropriate SPM checklist in the re-review signature area.

4.2.21 **WHEN** all criteria have been verified, **AND** the review is complete, **THEN** select END SPM BDR REVIEW in the IDC.

NOTE

Additional information is information that is added to the back of the SPM checklist after receipt at the Project Level. Additional information can be in the form of e-mail authorizations for administrative changes, letters or e-mails of clarification to posed questions (This list is not all inclusive).

4.2.22 **IF** additional information is placed after an SPM checklist, **THEN** indicate, on the appropriate SPM checklist, that additional information is being provided, **AND** paginate the inserted documentation to show which checklist it is associated with (e.g., SPM-1).

4.2.23 Forward the completed SPM checklist, and any additional information, to the CCP Records Custodian/Facility Records Custodian.

4.2.24 **IF** the BDR in review was an HSG sampling/analysis or Solids sampling/analysis that includes containers that were randomly selected for HSG or Solids sampling,
THEN notify records to submit the subject BDR to the WIPP Operating Record. This notification is completed by an e-mail to ccprecords@wipp.ws. Include the subject BDR numbers and the corresponding waste stream for which the containers were sampled.

CCP Records Custodian/Facility Records Custodian

4.2.25 Receive, process, and transmit or maintain in accordance with CCP-QP-008.

4.3 Quarterly Repeat of DGL Data Review, Validation, and Verification

NOTE

The SPM shall ensure that a repeat of the DGL data review, validation, and verification of data generated to meet the requirements of CCP-PO-001 is performed quarterly for a minimum of one randomly chosen waste container. The SPM uses this exercise to document that the DGL data review, validation, and verification is being performed in accordance with applicable procedures.

SPM

NOTE

HSG and Total Analysis for all Host sites are performed at INL Laboratories and the randomly selected quarterly re-review will be selected from those analyzed by labs during the last quarter.

4.3.1 Randomly select one waste container for a repeat of the DGL data review, validation, and verification for each characterization methodology performed in the last quarter.

NOTE

The following documents will be included in the quarterly DGL data review, validation, and verification: the original data reported, any nonconformances generated prior to ITR, reviews, and QC Data Sheets. The BDR Batch Narrative will **NOT** be included.

4.3.2 Retrieve a copy of the BDR from CCP Records.

NOTE

When possible, a different ITR will be used for the quarterly DGL data review, validation, and verification of the selected waste container.

4.3.3 Assemble the mini-container package.

4.3.4 Document the container selection and the assignment ofthe DGL ITR by interoffice memorandum.

4.3.5 Submit a copy of the mini-container package to the Host site for re-review.

NOTE

DGL Personnel will review submitted data and generate new Tables of Contents, BDR Batch Narratives and DGL Checklists. Any discrepancies will be noted in the BDR Batch Narrative.

SPM

4.3.6 Perform a review of the re-submitted data in accordance with Section 4.2.

4.3.7 Compare the original BDR submitted for the selected container with the re-submitted data.

4.3.8 Document the comparison, by interoffice memorandum, to CCP Records.

4.3.9 **IF** discrepancies or problems that affect data quality are noted during the review,
THEN perform the following:

[A] Initiate an NCR in accordance with CCP-QP-005.

[B] Notify the appropriate facility personnel.

4.3.10 Submit the re-reviewed package, associated information, and copy of interoffice memorandum to CCP Records.

Facility Records Custodian/CCP Records Custodian

4.3.11 Receive, process, and transmit the reviewed package, associated information, and copy of interoffice memoradum in accordance with CCP-QP-008.

4.4 Reporting Relative Percent Difference (RPD) and F-test Method Results for Co-located Cores/Samples

NOTE

The RPD can only be calculated when each analyte is detected above the MDL for the co-located cores/samples.

SPM

4.4.1 Identify the core/sample and the co-located core/sample in the BDRs that have been reviewed.

4.4.2 Obtain copies of the original BDR from the CCP Records Custodian/Facility Records Custodian, **OR** view the scanned copy on the IDC.

4.4.3 Assemble the analytical results for the co-located core/sample and the core/sample.

4.4.4 Compare the analytical results and calculate the RPD for each analyte detected in the co-located cores/samples using the following equation:

$$RPD = \frac{C_1 - C_2}{\left(\frac{C_1 + C_2}{2}\right)} \times 100$$

where C_1 and C_2 are the two values obtained by analyzing duplicate samples. C_1 is the larger of the two observed values.

NOTE

The F-test method can be used only with multiply-detected (2 or more detections) analytes.

4.4.5 Calculate the F-test method results for each multiply-detected analyte in the batch as follows:

[A] Calculate the co-located pair variance using the following equation:

$$S_C^2 = \frac{1}{2}(C_1 - C_2)^2$$

where C_1 and C_2 are the analytic results for the two co-located cores/samples.

[B] Calculate the batch variance using the following equation:

$$S_B^2 = \frac{\sum_{i=1}^{n}\left(C_i - \overline{C}\right)^2}{n-1}$$

where

C_i = the detected concentration in the ith core/sample
n = the number of cores/samples with detected concentrations

and $\overline{C}$ = the mean (average) of the detected concentrations.

[C] Calculate the F-test method result using the following equation:

$$F = \frac{S_C^2}{S_B^2}$$

[D] Compare the calculated F-test result value to the associated F-test critical value shown in Table 1.

4.4.6 **IF** discrepancies or problems that affect data quality are noted during the review,
THEN perform the following:

[A] Initiate an NCR in accordance with CCP-QP-005.

[B] Notify the appropriate DGL personnel and the SPM.

4.4.7 Document the calculated RPD and F-test method results by interoffice memorandum, to CCP Records.

4.4.8 Submit the interoffice memorandum and associated information to the CCP Records Custodian/Facility Records Custodian.

Facility Records Custodian

4.4.9 Receive, process, and transmit the reviewed record in accordance with CCP-QP-008.

4.5 Acceptance Criteria for Co-located Cores/Samples

NOTE

Calculation of RPD and F-test method results are used to evaluate sampling precision.

Until a sufficient number (25-30) of co-located cores/samples have been evaluated to develop control charts for the RPD, batch F-test method results will be used to evaluate precision. If too few analyte detections exist to permit F-test method calculation for at least one analyte in the batch, RPD should be evaluated for acceptance using the same criterion as for the field duplicate.

Once a sufficient number (25 to 30) of collocated cores/samples have been collected, precision will be evaluated by comparing the calculated batch-related RPD with the RPD control chart limits.

4.5.1 Confirm that the Acceptance Criteria for sampling precision are met by one of the following, as appropriate:

[A] Verify that all multiply-detected analytes in the batch exhibit F-test method results less than the associated 90th percentile for the F probability distribution with 1 and n-1 degrees of freedom as listed in Table 1, Critical Values for the 90th Percentile of the F Probability Distribution with 1 Degree of Freedom in the Numerator and n-1 Degrees of Freedom in the Denominator of the Variance Ratio,

OR

[B] Verify that the calculated RPD for each detected co-located core/sample pair is within the associated control chart limit of three standard deviations above or below the average RPD value.

Table 1. Critical Values for the 90th Percentile of the F Probability Distribution with 1 Degree of Freedom in the Numerator and n-1 Degrees of Freedom in the Denominator of the Variance Ratio

	Number of cores/samples with detected analyte (excluding colocated cores/samples)								
N	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
$F_{1,n-1,0.90}$	39.863	8.526	5.538	4.545	4.060	3.776	3.589	3.458	3.360

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Attachment 1, CCP SPM Visual Examination Project Level Validation Checklist and Summary

[B] Attachment 2, CCP SPM Radiography Project Level Validation Checklist and Summary

[C] Attachment 3, CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary

[D] Attachment 4, CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

[E] Attachment 5, CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary

[F] Attachment 6, CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

[G] Attachment 7, CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

[H] Attachment 8, CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

[I] Attachment 9, CCP SPM HSG Summa® Sampling Project Level Validation Checklist and Summary

[J] Attachment 10, CCP SPM Summa® HSG Analysis Project Level Validation Checklist and Summary

[K] Attachment 11, CCP SPM Off-Site Source Recovery Sealed Source Radiological Characterization Project Level Validation Checklist and Summary

[L] Interoffice memorandum for the Quarterly Repeat of DGL Data Review BDR

[M] Container selection and the assignment of the DGL ITR interoffice memoramdum

5.1.2 QA/Nonpermanent

[A] Project Office Integrated Data Center (IDC)

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**				
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**				
3. Does the BDR include a listing of all container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**				
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
5. Is the current implementing procedure and revision number included in the BDR? **Reference Source: CCP-PO-001, C3-4, C3-10b, Table C3-11**				
6. Is the BDR date included? **Reference Source: CCP-PO-001, Table C3-11**				
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-11**				
8. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001 C3-10**				
9. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures). **Reference Source: CCP-PO-001 C3-10b**				
10. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4**				
11. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-4**				
12. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4**				

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4b**				
14. Were discrepancies between the Visual Examination operator and the ITR with regards to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4b**				
15. Are the training requirements met for the VE Expert and VE Operators who have signed the data forms? **Reference Source: CCP-PO-001, C1-4, C3-4**				
16. Is evidence of a satisfactory audio/video test included in the BDR? NA [not applicable] for VE Method for Newly Generated Waste. **Reference Source: CCP-PO-001, C1-4**				
17. If the VE was not recorded using audio/video media, does the data sheet contain the signature of two qualified operators who observed for themselves the waste being placed into the container? NA if audio/video used. **Reference Source: CCP-PO-001, C1-4**				
18. Are the weights/estimated weights for the 12 waste material parameters reported in kilograms (kg)? **Reference Source: CCP Technical Procedures**				
19. Are the descriptions for each waste material parameter included in the BDR? **Reference Source: CCP-PO-001, C1-4**				
20. Is the gross weight reported (in kg) for each container included in the BDR? **Reference Source: CCP Technical Procedures**				
21. Is the number of layers of confinement recorded? **Reference Source: CCP-PO-001, C-3d**				
22. Is sufficient information included in the BDR to determine the packaging configuration? **Reference Source: CCP-PO-001 C-3d**				

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Is the type and number of filters recorded? **Reference Source: CCP-PO-001, C-3d**				
24. Is the size of the rigid liner vent hole recorded to determine the appropriate DAC? NA if no liner lid. **Reference Source: CCP-PO-001, C-3d**				
25. For Los Alamos National Laboratory (LANL) Sealed Sources, does the characterized waste container meet the definition of sealed sources per Title 10 Code of Federal Regulations (CFR) 30.4 and Title 10 CFR 835.2 (effective January 1, 2004) evidence of which is assembled as part of AK documentation? **Reference Source: CCP Technical Procedures**				
26. For LANL Sealed Sources, are sealed sources the only non-packaging items in the waste container? **Reference Source: CCP Technical Procedures**				
27. For LANL Sealed Sources, are the sealed sources a U.S. Department of Transportation (DOT) Special Form Class 7 (Radioactive Material) per Title 49 CFR 34.27 (effective January 1, 2004) and the certification of which is assembled as part of the AK documentation? **Reference Source: CCP Technical Procedures**				
28. For LANL Sealed Sources, is the integrity of each sealed source validated by documented contamination survey results to meet the requirements of Title 10 CFR 34.27 (effective January 1, 2004), and assembled as part of AK documentation? **Reference Source: CCP Technical Procedures**				

Attachment 1 – CCP SPM Visual Examination Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
29. For LANL Sealed Sources, is each sealed source a rigid sealed container less than or equal to 4 L in size or in a rigid sealed container less than or equal to 4 L? **Reference Source: CCP Technical Procedures**				
30. For LANL Sealed Sources, AK documentation does not indicate the use of volatile organic compounds (VOCs) or VOC-bearing materials as constituents of sealed sources? **Reference Source: CCP Technical Procedures**				
31. For LANL Sealed Sources, the outer casing of each sealed source is of a non VOC-bearing material which is verified using the VE technique at the time of packaging? **Reference Source: CCP Technical Procedures**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, C3-10b**				
2. Does the BDR contain all items addressed in the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**				
3. Does the BDR include a listing of all the container numbers in the batch? **Reference Source: CCP-PO-001, C3-10b**				
4. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
5. Does the BDR identify the current implementing procedure and revision number? **Reference Source: CCP-PO-001, Table C3-11**				
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs. **Reference Source: CCP-PO-001, Table C3-11**				
7. Are there 20 or fewer containers in the batch? **Reference Source: CCP-PO-001, C3-10**				
8. Are the data properly reported (i.e., data are reported in correct units and with correct significant figures)? **Reference Source: CCP-PO-001, C3-10b**				
9. Is there evidence of verification that the physical form matches the Waste Matrix Code? **Reference Source: CCP-PO-001, C3-4, Table C3-11**				

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
10. Is there evidence of verification that the physical form matches the waste stream description? **Reference Source: CCP-PO-001, C1-3, Table C3-11**				
11. Are prohibited items absent? **Reference Source: CCP-PO-001, C3-4a**				
12. Does observable liquid, if present, meet the criteria of the TSDF-WAC? **Reference Source: CCP-PO-001, C3-4a**				
13. Were discrepancies between two operators with regard to identification of waste matrix code, liquids in excess of the TSDF-WAC, or compressed gases through replicate scans and independent observations reconciled? NA if no discrepancies. **Reference Source: CCP-PO-001, C3-4a**				
14. Are the training qualifications for all radiography personnel acceptable? **Reference Source: CCP-PO-001, C3-4a**				
15. Was evidence of the video/audio check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**				
16. Was the Lines-Pair Resolution Test Check included in the BDR? **Reference Source: CCP-PO-001, C3-4a**				
17. Was a replicate scan performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**				
18. Was an independent observation performed once per day, or once per batch, whichever is LESS frequent? **Reference Source: CCP-PO-001, C1-3**				

Attachment 2 – CCP SPM Radiography Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
19. Were the replicate scan and independent observation performed on different waste containers? **Reference Source: CCP-PO-001, C1-3**				
20. Were the personnel performing the replicate scan and independent observation different from the individual who performed the original? **Reference Source: CCP-PO-001, C1-3**				
21. Does the BDR include an estimate of each material parameter weight in kg for each container? **Reference Source: CCP Technical Procedures**				
22. Does the BDR include a description of each material parameter for each container? **Reference Source: CCP-PO-001, Table C3-1**				
23. Is the container gross weight recorded in kilograms (kg) for each container in the BDR? **Reference Source: CCP Technical Procedures**				
24. Was the Scale Weight Calibration Check included in the BDR? **Reference Source: CCP Technical Procedures**				
25. Was the Scale Weight Check included in the BDR? **Reference Source: CCP Technical Procedures**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary

BDR Number: _____ **Examination Date:** _____				
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
1. Are the background measurements performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**				
2. Is the efficiency/energy calibration and resolution check performed and recorded daily and included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**				
3. Were the performance checks and backgrounds done prior to the analysis of the samples? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**				
4. Are the required QC checks specified on the ITR checklist within acceptable limits? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**				
5. Is the matrix drum performed at least once per operational week? **Reference Source: CCP-PO-002, Attachment 1, A.4.2**				
6. List all containers that have met all QC criteria thresholds. **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				Container Numbers:
7. Is there evidence of participation in the PDP program or any relevant approved comparison program? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**				
8. Are the personnel training records acceptable? **Reference Source: CCP-PO-002, Attachment 1, A.4.1**				
9. Is a standard cover sheet included in the BDR? **Reference Source: CCP Technical Procedures**				
10. Is there reference to or copy of associated NCRs included in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-QP-005**				

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
11. Is the method used for radioassay identified by the implementing procedure(s) and revision number(s) referenced for each container in the BDR? **Reference Source: CCP Technical Procedures**				
12. Is the current software revision number correct for each container in the BDR? **Reference Source: CCP-QP-022**				
13. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-002, Attachment 1, A.5.1**				
14. Is the correct Waste Matrix Code referenced in the BDR? **Reference Source: CCP Technical Procedures**				
15. Is the method of expressing TMU specified in the BDR? **Reference Source: CCP-PO-002, 3.3.1**				
16. Does the instrument performing TRU/low-level waste measurement have an LLD of 100 nCi/g or less? **Reference Source: CCP-PO-002, Attachment 1, A.3**				
17. Are the ten WIPP tracked radionuclides of 241Am, 238Pu, 239Pu, 240Pu, 242Pu, 233U, 234U, 238U, 90Sr, 137Cs estimated activities and masses, including their associated TMU reported on each radioassay data sheet? **Reference Source: CCP-PO-002, 3.3.1**				
18. Is 235U (in order to calculate FGE) reported as present or absent on each radioassay data sheet? **Reference Source: CCP-PO-002, Attachment 1, A.3**				
19. If 235U is reported as present, is 234U reported as present? NA, if 235U is not present. **Reference Source: CCP Technical Procedures**				
20. Is the TRU alpha activity concentration and associated TMU reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**				

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
21. Is the TRU alpha activity concentration limit of >100 nCi/g met for containers in the BDR? **Reference Source: CCP-PO-002, 3.3.3**				
22. Is the Total Pu239 FGE (g) and associated TMU reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**				
23. Is the FGE plus two times the TMU less than or equal to the limits for containers in this BDR? 200 FGE for 55-gal drums/325 FGE for SWBs. Note: TMU equals one standard deviation. **Reference Source: CCP-PO-002, Table A-3**				
24. Is the decay heat reported for each container in the BDR? **Reference Source: CCP-PO-002, 3.3.1**				
25. Are all the appropriate QC forms (background, efficiency checks, control charts, and matrix drum) included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
26. Is the name of the testing facility included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
27. Is the batch number included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
28. Is a listing of all container numbers in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
29. Does the BDR contain a BDR Table of Contents? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
30. Are the testing report data sheets including the waste container number for each container included in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
31. Is the title “Radioassay Data Sheet” included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				

Attachment 3 – CCP SPM Nondestructive Assay Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
32. Is the date of radioassay included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
33. Is the operator and reviewer signature release and date included for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
34. Is the total Pu239 equivalent activity (Ci) reported for each container in the BDR? **Reference Source: CCP-PO-002, Attachment 1, A.5.2**				
35. Are the NDA net weights within 5% of the NDE net weight or the VE net weight, whichever is applicable, for each container in the BDR? **Reference Source: CCP Technical Procedures**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
1. Does the Batch Data Report (BDR) have a BDR Table of Contents? **Reference Source: CCP Technical Procedures**				
2. Does the BDR contain the sampling BDR number, BDR date, and facility name? **Reference Source: CCP-PO-001, Table C3-12**				
3. Does the BDR contain the identification number(s) and container numbers for the waste packages represented in this BDR? **Reference Source: CCP-PO-001, Table C3-12**				
4. Are there 20 or less field samples per sampling batch? **Reference Source: CCP-PO-001, C3-10**				
5. Is there a reference to or copy of any associated NCRs (if any) in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
6. Are the chain-of-custody (COC) forms and appropriate data sheets for each waste package included in this BDR? **Reference Source: CCP-PO-001, Table C3-12**				
7. Does the BDR contain the sampling ID numbers and location (physical location within the container)? **Reference Source: CCP-PO-001, Table C3-12**				
8. Does the waste package BDR contain the sampling date and time? **Reference Source: CCP-PO-001, Table C3-12**				
9. Does the waste package BDR contain the sampler's signature? **Reference Source: CCP-PO-001, Table C3-12**				
10. Is the sample matrix and type identified within the sampling BDR? **Reference Source: CCP-PO-001, Table C1-2**				
11. Does the BDR identify the sample number and size? **Reference Source: CCP-PO-001, Table C3-12**				

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Does the BDR identify the correct Waste Matrix Code? **Reference Source: CCP-PO-001, Table C3-12**				
13. Is there a minimum of one co-located core/sample (or field duplicate) collected per sample batch or one per week during sampling operation, and is a description of the collected core included in the BDR? **Reference Source: CCP-PO-001, C3-3**				
14. Is there a minimum of one equipment blank for coring tools collected per equipment cleaning batch when sampling with compactor/coring unit? **Reference Source: CCP-PO-001, C1-2b**				
15. Is there a minimum of one equipment blank for coring tools cleaned when sampling with single coring unit? **Reference Source: CCP-PO-001, C1-2b**				
16. Is there a minimum of one equipment blank for liners collected per equipment cleaning batch? **Reference Source: CCP-PO-001, C1-2b**				
17. Are samples preserved by keeping them at a temperature of 4°C, $\pm$ 2° C? **Reference Source: CCP-PO-001, Table C1-4**				
18. Were proper procedures, including revision number, used and referenced in BDR? **Reference Source: CCP-PO-001, Table C3-12**				
19. Were samples collected within 14 days, and is a time given between coring and sub-sampling? **Reference Source: CCP-PO-001, Table C3-12**				
20. Were the samples transferred to the lab within the maximum holding times? **Reference Source: CCP-PO-001, Table C1-4**				
21. Are sampling equipment numbers (lot number for disposable equipment) included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
22. Are field records present in the BDR? Field records include: collecting problems (if applicable), sequence of sampling collection, inspection of the solids sampling area, inspection of the solids sampling equipment, coring tool test, and random location of sub-sample? **Reference Source: CCP-PO-001, Table C3-12**				
23. Is the location (point of origin) where each sample was taken included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
24. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**				
25. Does the BDR include a record of analysis requested and the laboratory? **Reference Source: CCP-PO-001, Table C3-12**				
26. Is there a cross-reference of sampling equipment numbers with associated cleaning batch numbers in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
27. Is the depth of waste included for each waste container? **Reference Source: CCP-PO-001, Table C3-12**				
28. Are the calculations of core recovery included in the BDR? NA if the sampling is not a core. **Reference Source: CCP-PO-001, Table C3-12**				

Attachment 4 – CCP SPM S3000/S4000 Waste Sampling Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____				
Description of Criteria Reviewed	**Criteria Met?**			**Comments/Qualifiers**
	YES	**NO**	**NA**	
29. Is the co-located core/sample description included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
Comments:				
The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.				
SPM Printed Name	Signature			Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**				
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**				
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**				
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with BDR. **Reference Source: CCP-PO-001, Table C3-13**				
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**				
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**				
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**				
11. Are holding times within the 180-day requirement (except Mercury)? **Reference Source: CCP-PO-001, Table C1-4**				
12. Are holding times within the 28-day requirement for Mercury? **Reference Source: CCP-PO-001, Table C1-4**				

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**				
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**				
14. Do the found values for all LCS analytes fall within the low/high control limits listed on the Laboratory Control Sample Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-8 Footnote b**				
15. Is there a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**				
16. Do the %Rs for all MS analytes meet the 80-120 %R requirements? **Reference Source: CCP-PO-001, Table C3-8**				
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-9**				
18. Do the %Rs for all MSD analytes meet the 80-120 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-8**				
19. Are the MS/MSD relative percent differences (RPDs) for all analytes less than or equal to 30? **Reference Source: CCP-PO-001, Table C3-8**				
20. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**				
21. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**				

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
22. Is serial dilution performed once per analytical batch? Note: This applies only to inductively coupled plasma (ICP) analysis. **Reference Source: CCP-PO-001, Table C3-9**				
23. Is the serial dilution result ≤10% D for initial sample results >50 x IDL? If no, sample results must be "Z" flagged for sample results >10% D and >50 x IDL? Note: This applies only to ICP analysis. **Reference Source: CCP-PO-001, Table C3-9**				
24. Is the ICP initial calibration performed each day of operation? Note: This is a one standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**				
25. Is the ICP %R for the initial calibration verification (ICV) check standard within the 90% to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**				
26. Is Mercury initial calibration performed each day of operation? Note: This is a five-standard and one blank calibration. **Reference Source: CCP-PO-001, Table C3-9**				
27. Is the Mercury %R for the ICV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**				
28. Is the Mercury regression coefficient (r) greater than or equal to 0.995? **Reference Source: CCP-PO-001, Table C3-9**				
29. Is continuing calibration verification (CCV) performed every 10 samples, and at the beginning and end of the run? **Reference Source: CCP-PO-001, Table C3-9**				
30. Is the ICP %R for the CCV within the 90 to 110% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**				

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
31. Is the Mercury %R for the CCV within the 80 to 120% acceptance range? **Reference Source: CCP-PO-001, Table C3-9**				
32. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-9**				
33. Are all lab blanks analytes ≤ 3 the IDL? **Reference Source: CCP-PO-001, Table C3-9**				
34. Is interference correction verification performed at the beginning and end of the analytical batch or every 8 hours for ICP (12 hours for ICP/MS), whichever is more frequent? **Reference Source: CCP-PO-001, Table C3-9**				
35. Are solutions containing interference plus analytes within the 80 to 120 %R acceptance range for all analytes? *Note: If response is no AND sample interferents are reported on the Total Metals Analysis Data Sheets at levels ≥ levels in the ICS(A) solution and an NCR has not already been produced at the DGL, write an NCR.* **Reference Source: CCP-PO-001, Table C3-9**				
36. Does the BDR include IDLs (µg/L) that are ≤ PRDL? **Reference Source: CCP-PO-001, Table C3-8**				
37. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**				
38. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**				
39. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b(1)**				

Attachment 5 – CCP SPM S3000/S4000 Total Metals Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
40. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b(1)**				
41. Have the batch samples been properly preserved (cool to 4° C, ± 2° C)? **Reference Source: CCP-PO-001, Table C1-4**				
42. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**				
43. Does the BDR contain at least one calibration standard ≤ PRQL? **Reference Source: CCP-PO-001, C3-8**				
44. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-8**				
45. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-8**				
46. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-8**				
47. Has the laboratory had acceptable demonstration of precision, accuracy, and IDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, C3-8**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name _____ Signature _____ Date _____

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name _____ Signature _____ Reason _____ Date _____

SPM Printed Name _____ Signature _____ Reason _____ Date _____

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**				
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**				
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**				
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**				
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**				
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**				
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**				
11. Are holding times between collection and analysis within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**				

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**				
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**				
14. Do the %Rs for all LCS analytes meet the 60-150 %R requirements? **Reference Source: CCP-PO-001, Table C3-4**				
15. Is a minimum of one matrix spike/matrix spike duplicate (MS/MSD) pair analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**				
16. Do the %Rs for all MS and MSD analytes meet the 60-150 %R requirements? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-4**				
17. Do the MS/MSD RPDs for all analytes meet the $\leq$ 50 requirement? **Reference Source: CCP-PO-001, Table C3-4**				
18. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**				
19. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**				
20. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: CCP-PO-001, SW-846 8015**				

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
21. Are the results of the trip blank ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, SW-846 8015**				
22. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**				
23. Are all lab blank compounds ≤ 3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**				
24. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**				
25. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-5**				
26. Is the GC/FID three-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**				
27. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**				
28. Is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**				
29. Is the CCV %D ≤ 15% for all compounds? **Reference Source: CCP-PO-001, Table C3-5**				
30. Are the retention times (RTs) for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**				
31. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**				

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
32. Are analytical procedures (including data revision) used to develop these data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**				
33. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**				
34. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**				
35. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**				
36. Have the batch samples been properly preserved (cool to 4°C, $\pm$ 2° C)? **Reference Source: CCP-PO-001, Table C1-4**				
37. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**				
38. Does the BDR contain at least one calibration standard $\leq$ PRQL? **Reference Source: CCP-PO-001, C3-6**				
39. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**				
40. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**				
41. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**				
42. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**				

Attachment 6 – CCP SPM S3000/S4000 Total Non-Halogenated Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
43. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**				
2. Has a BDR Narrative been included in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
4. Is the BDR complete? **Reference Source: CCP-PO-001 C3-10b**				
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
6. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**				
7. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**				
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**				
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**				
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**				
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**				
12. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**				

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**				
14. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**				
15. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**				
16. Are the %Rs for all MS compounds within the acceptable range? **Reference Source: CCP-PO-001, Table C3-4**				
17. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-5**				
18. Are the %Rs for all MSD compounds within the acceptable range? Note: The MSD is used in place of the laboratory duplicate **Reference Source: CCP-PO-001, Table C3-4**				
19. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-4**				
19. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**				
20. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**				
21. Is a minimum of one trip blank analyzed per analytical batch? **Reference Source: EPA Method SW-846 8260**				

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
22. Are the results of the trip blank ≤3 times the program-required MDL? **Reference Source: EPA Method SW-846 8260**				
23. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-5**				
24. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-5**				
25. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-5**				
26. Are the SMCs %R values within specified criteria? **Reference Source: CCP-PO-001, Table C3-5**				
27. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-5**				
28. Is the $r^2 \geq 0.990$? **Reference Source: CCP-PO-001, Table C3-5**				
29. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-5**				
30. Are the relative response factors for all target analytes System Performance Check Compounds (SPCCs) OK? Chloromethane: ≥ 0.10 1,1-Dichloroethane: ≥ 0.10 Bromoform: ≥ 0.10 Chlorobenzene: ≥ 0.30 1, 1, 2, 2-Tetrachloroethane: ≥ 0.30 SW-846 Method 8260B, Section 7.3.5.4 **Reference Source: CCP-PO-001, Table C3-5**				
31. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-5**				

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
32. If %RSD is greater than 15, is regression equation generated and used? **Reference Source: CCP-PO-001, Table C3-5**				
33. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-5**				
34. Were the Bromofluorobenzene (BFB) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-5**				
35. Is the BFB Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-5**				
36. Is BFB Tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**				
37. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-5**				
38. Are the %Ds less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-5**				
39. Is the retention time (RT) for internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-5**				
40. Is internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-5**				
41. For GC/FID, are the RTs for the continuing calibrations ±3 standard deviations from the initial calibration per applicable SW-846 method? **Reference Source: CCP-PO-001, Table C3-5**				

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
42. Does the BDR include MDLs (mg/kg) that are ≤PRQL in Table C3-4? **Reference Source: CCP-PO-001, Table C3-4**				
43. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**				
44. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**				
45. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**				
46. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**				
47. Have the batch samples been properly preserved (cool to 4°C, $\pm$ 2° C)? **Reference Source: CCP-PO-001, Table C1-4**				
48. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**				
49. Does the BDR contain at least one calibration standard $\leq$ PRQL? **Reference Source: CCP-PO-001, C3-6**				
50. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-6**				
51. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-6**				
52. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-5**				

Attachment 7 – CCP SPM S3000/S4000 Total Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
53. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**				
54. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-4**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name _____ Signature _____ Date _____

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**				
2. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
3. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
4. Is the BDR complete? **Reference Source: CCP-PO-001, C3-10b**				
5. List all containers that have met QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**				
7. Are there 20 or less samples per analytical batch? **Reference Source: CCP-PO-001, C3-10**				
8. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**				
9. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**				
10. Are the training qualifications for all personnel acceptable? **CCP-PO-001, Table C3-13**				
11. Are holding times between collection and extraction within the 14-day requirement? **Reference Source: CCP-PO-001, Table C1-4**				
12. Are the holding times between extraction and analysis within the 40-day requirement? **Reference Source: CCP-PO-001, Table C1-4**				

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
13. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**				
14. Is there a minimum of one laboratory control sample (LCS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**				
15. Are the percent recoveries (%Rs) for all LCS analytes within the acceptable range? **Reference Source: CCP-PO-001, Table C3-6**				
16. Is a minimum of one matrix spike (MS) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-6**				
17. Are the %Rs for all MS compounds within the acceptance range? **Reference Source: CCP-PO-001, Table C3-7**				
18. Is a minimum of one matrix spike duplicate (MSD) analyzed per analytical batch? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-7**				
19. Are the %Rs for all MSD compounds within the acceptance range? Note: The MSD is used in place of the laboratory duplicate. **Reference Source: CCP-PO-001, Table C3-6**				
20. Do the MS/MSD relative percent differences (RPDs) for all analytes meet the requirements? **Reference Source: CCP-PO-001, Table C3-6**				
21. Has the CCP Site Project Manager calculated and reported the results of the RPD and F-Test Method? **Reference Source: CCP-PO-001, Section C3-3**				
22. Were the applicable RPD or F-test method acceptance criteria met? **Reference Source: CCP-PO-001, Section C3-3**				

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Is there a minimum of one lab blank analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-7**				
24. Are all lab blank compounds ≤3 times the program-required MDL? **Reference Source: CCP-PO-001, Table C3-7**				
25. Are the analytical samples spiked with surrogate matrix compounds (SMCs)? **Reference Source: CCP-PO-001, Table C3-7**				
26. Are the SMCs %R values within specified criteria listed on the Surrogate Recovery Form included in the BDR? **Reference Source: CCP-PO-001, Table C3-7**				
27. Is the five-point (minimum) initial calibration complete? **Reference Source: CCP-PO-001, Table C3-7**				
28. Are the percent relative standard deviations (%RSDs) for all target analytes calibration check compounds (CCCs) less than or equal to 30%? **Reference Source: CCP-PO-001, Table C3-7**				
29. Are the %RSDs for all other compounds ≤ 15%? **Reference Source: CCP-PO-001, Table C3-7**				
30. Are the relative response factors (RRFs) for all target analytes System Performance Check Compounds (SPCCs) ≥ 0.05? **Reference Source: CCP-PO-001, Table C3-7 and SW 846**				
31. If %RSD is less than or equal to 15, is average relative response factor used? **Reference Source: CCP-PO-001, Table C3-7**				
32. When an alternative curve is used, is the r^2 ≥ 0.990? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**				

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
33. If %RSD is greater than 15, is regression equation generated and used? NA if %RSD is less than or equal to 15. **Reference Source: CCP-PO-001, Table C3-7**				
34. Is RRF for all non-SPCCs ≥0.01? **Reference Source: CCP-PO-001, Table C3-7**				
35. Were the decafluorotriphenylphosphine (DFTPP) ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**				
36. Is the DFTPP Tune performed at the beginning of the run before the QC samples? **Reference Source: CCP-PO-001, Table C3-7**				
37. Is DFTPP tune performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**				
38. Were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-7**				
39. Is continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-7**				
40. Are the %Ds for the continuing calibration less than or equal to 20% for target analytes CCCs? **Reference Source: CCP-PO-001, Table C3-7**				
41. Is the RT for the continuing calibration internal standards ±30 seconds from last daily calibration check? **Reference Source: CCP-PO-001, Table C3-7**				
42. Is the continuing calibration internal standard area count >50% and <200% of the last daily calibration? **Reference Source: CCP-PO-001, Table C3-7**				

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
43. Does the BDR include MDLs (mg/kg) that are ≤ PRQL in Table C3-6? **Reference Source: CCP-PO-001, Table C3-6**				
44. Are analytical procedures (including data revision) used to develop the data referenced in the BDR? **Reference Source: CCP-PO-001, C3-10**				
45. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**				
46. Are data reporting forms complete with data reported properly (i.e., data is reported in correct units, with correct significant figures, and with correct qualifying flags)? **Reference Source: CCP-PO-001, C3-10b**				
47. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, C3-10b**				
48. Have the batch samples been properly preserved (cool to 4°C, $\pm$ 2° C)? **Reference Source: CCP-PO-001, Table C1-4**				
49. Is the completed, signed, and dated Independent Technical Reviewer Checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**				
50. Does the initial calibration contain at least one calibration standard less than or equal to the PRQL? **Reference Source: CCP-PO-001, C3-7**				
51. Has the laboratory successfully participated in the PDP? **Reference Source: CCP-PO-001, C3-7**				
52. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-6**				
53. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-7**				

Attachment 8 – CCP SPM S3000/S4000 Total Semi-Volatile Organic Compound Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
54. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-7**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name _____ Signature _____ Date _____

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number? **Reference Source: CCP-PO-001, Table C3-12**				
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**				
3. Does the BDR contain the BDR date? **Reference Source: CCP-PO-001, Table C3-12**				
4. Is the sample matrix and type included for each sample in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
5. Is the BDR complete as defined by the process procedures? **Reference Source: CCP-PO-001, C3-10, CCP Technical Procedures**				
6. List all containers that have met QAOs. **Reference Source: CCP-PO-001, Table C3-12**				Container Numbers:
7. Does the BDR include the requested analyses and the name of the laboratory? **Reference Source: CCP-PO-001, Table C3-12**				
8. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-001, Table C3-12**				
9. Does the BDR include the point of origin for sampling (e.g., building number, room)? **Reference Source: CCP-PO-001, Table C3-12**				
10. Is the sample size included in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				
11. Does the BDR include the sample location of each container? Note: Location within container is where the sample is taken. The BDR must specify what layer of confinement was sampled (e.g., under the lid). **Reference Source: CCP-PO-001, Table C3-12**				

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is the person collecting the sample identified in the BDR and qualified? **Reference Source: CCP-PO-001, Table C3-12**				
13. Does the BDR contain a chain of custody record? **Reference Source: CCP-PO-001, Table C3-12**				
14. Does the chain of custody form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-12**				
15. Is there a reference to sampling equipment numbers or lot numbers for disposable equipment? **Reference Source: CCP-PO-001, Table C3-12**				
16. Is there verification of rigid liner venting? **Reference Source: CCP-PO-001, Table C3-12**				
17. Does the BDR include the operator/sampler signature and date and time of sampling for each sample? **Reference Source: CCP-PO-001, Table C3-12**				
18. Are there 20 samples or less (excluding QC) in the batch and all samples collected within 14 days of the first sample collected? **Reference Source: CCP-PO-001, C1-1b**				
19. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-12**				
20. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b(1)**				
21. Is there a cross-reference between waste container number and field sample number? **Reference Source: CCP-PO-001, C1-5**				
22. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**				

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
23. Have the samples been properly preserved (0-40º C)? **Reference Source: CCP-PO-001, Table C1-1**				
24. Has the correct DAC scenario and waste packaging configuration been selected? **Reference Source: CCP-PO-001, C3-2**				
25. Do the samples meet the required DAC equilibrium times? **Reference Source: CCP-PO-001, C3-2**				
26. Prior to canister use was the following performed: equipment blank, sample canister equipment cleaning and leak check, and field reference standard (or on-line control standard) performed as required? **Reference Source: CCP-PO-001, C1-1b**				
27. Has one field blank per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**				
28. Has a minimum of one equipment blank been collected for the applicable cleaning batch blanks? **Reference Source: CCP-PO-001, Table C1-2**				
29. Has one field duplicate per batch been collected? **Reference Source: CCP-PO-001, Table C1-2**				
30. Has the canister pressure and ambient temperature and pressure been recorded? **Reference Source: CCP-PO-001, Table C3-12**				
31. Have the ambient pressure and temperature sensors been calibrated? **Reference Source: CCP-PO-001, C1-1d**				
32. Have all the waste containers equilibrated for a minimum of 72 hours at 18º C or higher? **Reference Source: CCP-PO-001, C1-1a**				
33. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR? **Reference Source: CCP-PO-001, Table C3-12**				

Attachment 9 – CCP SPM HSG Summa Sampling Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Sampling Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
34. Is the completed, signed, and dated Independent Technical Reviewer Checklist in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-12**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Does the Batch Data Report (BDR) contain the batch number, laboratory name, and the date of the batch report? **Reference Source: CCP-PO-001, Table C3-13**				
2. Is the BDR complete according to the BDR Table of Contents? **Reference Source: CCP-PO-001, C3-10b**				
3. Has a BDR Narrative been included with the BDR? **Reference Source: CCP-PO-001, Table C3-13**				
4. Are the correct revisions of the procedures used and identified? **Reference Source: CCP-PO-001, Table C3-13**				
5. List all containers that have met the QAOs. **Reference Source: CCP-PO-001, C3-10b**				Container Numbers:
6. Is there a reference to or copy of any associated NCRs (if any) in the BDR? NA if no NCRS associated with the BDR. **Reference Source: CCP-PO-001, Table C3-13**				
7. Is the completed, signed, and dated Independent Technical Reviewer checklist included in the BDR, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-001, Table C3-13**				
8. Does the BDR include the operator's signature and analysis date? **Reference Source: CCP-PO-001, Table C3-13**				
9. Are there 20 laboratory samples or less in the analytical batch (excluding QC)? **Reference Source: CCP-PO-001, C3-10**				
10. Does the chain of custody (COC) form correctly identify the Waste Stream ID? **Reference Source: CCP-PO-001, Table C3-13**				
11. Does the BDR contain a complete and signed copy of the COC form? **Reference Source: CCP-PO-001, Table C3-13**				

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
12. Is there a cross-reference between waste container number, field sample number, and lab sample number ID; and signature release by lab personnel in the batch report? **Reference Source: CCP-PO-001, C1-5**				
13. Does the BDR contain gas sample canister tags for each sample that are properly filled out? **Reference Source: CCP-PO-001, Table C3-13**				
14. Have the samples been properly preserved (0-40° C)? **Reference Source: CCP-PO-001, Table C1-1**				
15. Does the BDR include the date and time of analysis for each sample? **Reference Source: CCP-PO-001, Table C3-13**				
16. Have data reporting flags been assigned properly? **Reference Source: CCP-PO-001, Table C3-13**				
17. Did the batch report analysis consist of all the target compounds? **Reference Source: CCP-PO-001, Table C3-2**				
18. Is there a minimum of one laboratory (method) blank per analytical batch with all analytes $\leq$ 3 x MDL? **Reference Source: CCP-PO-001, Table C3-3**				
19. Are all target analytes in field blanks and equipment blanks (if any) $\leq$ 3 x instrument MDL as listed in CCP-PO-001 Table C3-2? **Reference Source: CCP-PO-001, Table C1-3**				
20. Is a minimum of one laboratory control standard (LCS) analyzed per analytical batch and are the percent recoveries (%Rs) within 70-130%? **Reference Source: CCP-PO-001, Table C3-3**				
21. Is there a minimum of one field duplicate analyzed per sampling batch including in the analytical batch? **Reference Source: CCP-PO-001, Table C1-3**				

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
22. For field sample and field duplicate results that are both > PRQL, are the relative percent differences (RPDs) ≤ 25%? **Reference Source: CCP-PO-001, Table C3-2**				
23. Is there a minimum of one laboratory duplicate (LD) analyzed per analytical batch? **Reference Source: CCP-PO-001, Table C3-3**				
24. For laboratory duplicate results that are > PRQL (or for laboratory control standard and replicate laboratory control standard results > PRQL), is the RPD ≤ 25%? **Reference Source: CCP-PO-001, Table C3-3**				
25. If no target analytes were present greater than the PRQL, was a replicate LCS satisfactorily performed? **Reference Source: CCP-PO-001, Table C3-3**				
26. Does the field reference standard (FRS) contain at least six analytes and are the %Rs within 70-130%? **Reference Source: CCP-PO-001, C1-1b and Table C1-3**				
27. For GC/MS analyses, was the BFB tune performed at a minimum of every 12 hours and were the ion abundance criteria satisfied? **Reference Source: CCP-PO-001, Table C3-3**				
28. For GC/MS analyses, for the five-point initial calibration, is the %RSD for all compounds < 35%? **Reference Source: CCP-PO-001, Table C3-3**				
29. For GC/MS analyses, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, Section C3-5**				
30. For GC/MS analyses, is the continuing calibration performed at a minimum frequency of every 12 hours of operation? **Reference Source: CCP-PO-001, Table C3-3**				

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
31. For GC/MS analyses, are the continuing calibration internal standard area counts between 50-200% of ICAL? **Reference Source: CCP-PO-001, Table C3-3**				
32. For GC/MS analyses, are non-target compounds identified as Tentatively Identified Compounds (TICs)? **Reference Source: CCP-PO-001, C-3a**				
33. Does the BDR contain all of the target compounds appropriate for the waste stream? **Reference Source: CCP-PO-001, Table C3-2/AK Summary Report**				
34. For GC/MS analyses, is the continuing calibration %D for all compounds ≤ 30% of the ICAL? **Reference Source: CCP-PO-001, Table C3-3**				
35. For methanol analysis by GC/FID, does the initial calibration (ICAL) have a minimum of five points, is the %R within 70-130%, and is the correlation coefficient ≥ 0.990? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-3**				
36. For methanol analysis by GC/FID, is the continuing calibration (CC) analyzed every 12 hours, is the %D ≤ 15%, is the %R within 85-115%, and is the CC retention time within the ICAL window? NA if not methanol analysis by GC/FID. **Reference Source: CCP-PO-001, Table C3-2**				
37. For methanol analysis by GC/FID, is one of the calibration standards less than the PRQL? **Reference Source: CCP-PO-001, C3-5**				
38. Are all data reporting forms complete with data reported properly (correct units and significant figures)? **Reference Source: CCP-PO-001, C3-10b**				
39. Has the laboratory successfully participated in the latest PDP? **Reference Source: CCP-PO-001, C3-5**				

Attachment 10 – CCP SPM Summa HSG Analysis Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Analysis Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
40. Has the laboratory met the 90% completeness requirement? **Reference Source: CCP-PO-001, Table C3-2**				
41. Does the laboratory use traceable standards? **Reference Source: CCP-PO-001, C3-5**				
42. Has the laboratory had acceptable demonstration of precision, accuracy, and MDLs [method performance samples] performed within the last 6 months? **Reference Source: CCP-PO-001, Table C3-3**				
43. Have QC designations for samples been applied as appropriate? **Reference Source: CCP-PO-001, Table C3-13**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date

Attachment 11 – CCP SPM Off-Site Source Recovery Sealed Source Radiological Characterization Project Level Validation Checklist and Summary

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
1. Are the personnel training records acceptable? **Reference Source: Site applicable LOQI**				
2. Does the Batch Data Report (BDR) include the name of the facility? **Reference Source: CCP-PO-002**				
3. Does the BDR include a standard cover sheet? **Reference Source: CCP-PO-002**				
4. Does the BDR include a Table of Contents? **Reference Source: CCP-PO-002**				
5. Does the BDR include a batch number? **Reference Source: CCP-PO-002**				
6. Does the BDR include a listing of all waste container numbers in the batch? **Reference Source: CCP-PO-002**				
7. List all containers. **Reference Source: CCP-PO-002**				Container Numbers:
8. Does the BDR include a Container Characterization Report sheet(s) for each container in the batch? **Reference Source: CCP-PO-002**				
9. Is there a reference to or copy of associated NCRs (if any) in the BDR? NA if no NCRs associated with the BDR. **Reference Source: CCP-PO-002**				
10. Does the BDR include the implementing procedure and revision numbers? **Reference Source: CCP-PO-002**				
11. Does the BDR include a completed, signed, and dated Independent Technical Review Checklist, and the independent technical reviewer was not involved in the generation or recording of the data under review? **Reference Source: CCP-PO-002**				
12. Does the waste meet the definition of sealed sources per 10 CFR 30.4 and 10 CFR 835.2 (effective January 1, 2004) and documentation included with the AK information? **Reference Source: CCP-PO-001, C4-2**				

Attachment 11 – CCP SPM Off-Site Source Recovery Sealed Source Radiological Characterization Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met?			Comments/Qualifiers
	YES	NO	NA	
13. Is the sealed source a US DOT Special Form Class 7 (Radioactive Material) per 49 CFR 34.27 (effective January 1, 2004) and is this documented in the AK information? **Reference Source: CCP-PO-001, C4-2**				
14. Is the integrity of each sealed source validated by documented contamination survey results to meet the requirements of 10 CFR 34.27 (effective January 1, 2004), and is assembled as part of AK documentation? **Reference Source: CCP-PO-001, C4-2**				
15. Does the AK information document that no VOC or VOC-bearing material are constituents of the waste? **Reference Source: CCP-PO-001, C4-2**				
16. Does the AK information document that the outer casing of the sealed source is a non-VOC bearing material and is this verified during VE? **Reference Source: CCP-PO-001, C4-2**				
17. Is the Title "Characterization Data Sheet" included on each data sheet? **Reference Source: CCP-PO-002**				
18. Is the waste container number included on each data sheet? **Reference Source: CCP-PO-002**				
19. Is the run date included on each data sheet? **Reference Source: CCP-PO-002**				
20. Is the TRU alpha activity concentration (Ci/g) included on each data sheet? **Reference Source: CCP-PO-002**				
21. Is the Total Pu-239 equivalent activity (PE-Ci) included on each data sheet? **Reference Source: CCP-PO-002**				
22. Is the Total FGE (g) and associated TMU included on each data sheet? **Reference Source: CCP-PO-002**				
23. Is the Decay Heat (W) and associated TMU included on each data sheet? **Reference Source: CCP-PO-002**				
24. Are the activities and/or masses of individual radioisotopes and associated TMUs (curies and/or grams) included on each data sheet? **Reference Source: CCP-PO-002**				

Attachment 11 – CCP SPM Off-Site Source Recovery Sealed Source Radiological Characterization Project Level Validation Checklist and Summary (Continued)

BDR Number: _____ **Examination Date:** _____

Description of Criteria Reviewed	Criteria Met? YES	NO	NA	Comments/Qualifiers
25. Is the method of expressing TMU specified? **Reference Source: CCP-PO-002**				
26. Are the ten WIPP tracked radionuclides of 241Am, 238Pu, 239Pu, 240Pu, 242Pu, 233U, 234U, 238U, 90Sr, 137Cs identified and reported as present or absent? **Reference Source: CCP-PO-002**				
27. Is 235U (in order to calculate FGE) reported as present or absent? **Reference Source: CCP-PO-002**				
28. Is the TRU Alpha activity concentration >100 nCi/g? **Reference Source: CCP-PO-002**				
29. Is the Fissile Mass $\leq$ FGE limit? **Reference Source: CCP-PO-002**				
30. If 235U is reported as present, is 234U reported as present? NA if 235U is not present. **Reference Source: CCP-PO-002**				

Comments:

The container QC checks were properly performed and meet the Quality Assurance Objectives (QAOs). Proper procedures were followed during data reduction and analysis. The batch is complete, acceptable, and includes all supporting data and documentation required by the QAPjP.

SPM Printed Name Signature Date

Checklist is to be re-signed only when a re-review is performed.

SPM Printed Name	Signature	Reason	Date
SPM Printed Name	Signature	Reason	Date

Controlled
Copy

CCP-TP-002

Revision 25

CCP
Reconciliation of DQOs and Reporting Characterization Data

EFFECTIVE DATE: 02/11/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
18	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
19	12/22/2006	Revised to clarify Waste Stream Profile Form contents.
20	08/18/2008	Revised Section 4.2.1 to incorporate Central Characterization Project (CCP) Standing Order CCP-SO-32. Updated several document/procedure titles. Minor changes to Section 5.0.
21	08/04/2009	Revised to answer Waste Isolation Pilot Plant (WIPP) Form 09-050, and add changes to Sections 3 and 4 and make any other editorial changes needed.
22	06/30/2010	Revised for Class 2 Modification Request WIPP Hazardous Waste Facility Permit EPA I.D. Number NM4890139088.
23	12/29/2010	Revised to implement the revision of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
24	12/28/2011	Revised to make editorial changes. Replacing Waste Stream Profile Form (WSPF) change notice with revision to WSPF. Revising instructions for completing WSPF package.
25	02/11/2013	Revised to include timeframe for transmitting the waste stream profile form package to records. Also revised to make editorial changes needed.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6

3.0 RESPONSIBILITIES 7
3.1 Site Project Manager (SPM) 7
3.2 Acceptable Knowledge Expert (AKE) 8
3.3 Host Site Subcontract Technical Representative (STR) 8

4.0 PROCEDURE 9
4.1 Assigning the WSPF Number 9
4.2 Compilation and Evaluation of DQO Parameters 9
4.3 Preparing Waste Stream Profile Form (WSPF) 13
4.4 Completing the Characterization Information Summary (CIS) 13
4.5 Summation of Aspects of the AK Summary 15
4.6 Submitting the WSPF Package to DOE CBFO 15
4.7 Subsequent Data Reconciliation 16
4.8 Completing the Waste Stream Characterization Package 17

5.0 RECORDS 19

LIST OF ATTACHMENTS

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) 20
Attachment 2 – CCP Waste Stream Profile Form (Example) 26
Attachment 3 – CCP Characterization Information Summary Cover Page (Example) 40
Attachment 4 – CCP Correlation of Container Identification Number to Batch Data Report Numbers (Example) 41
Attachment 5 – CCP Headspace Gas Summary Data (Example) 42
Attachment 6 – CCP Solid VOCs Summary Data (Example) 43
Attachment 7 – CCP Solids SVOCs Summary Data (Example) 44
Attachment 8 – CCP RTR/VE Summary of Prohibited Items (Example) 45

1.0 PURPOSE

Upon completion of waste characterization activities, and prior to shipment of waste, the Central Characterization Program (CCP) is required to reconcile the data in accordance with the requirements of CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (QAPjP). Data reconciliation is required in order for the CCP Site Project Manager (SPM) to complete and submit a Waste Stream Profile Form (WSPF) (see Attachment 2, CCP Waste Stream Profile Form, for an example).

1.1 Scope

This procedure provides data reconciliation with the data quality objectives (DQOs) following data validation and verification at the CCP Project Office. This reconciliation is performed at the waste stream or waste stream lot level. This procedure provides the instructions for the completion of the WSPF Package for submittal to the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) for permittee review and CBFO approval prior to shipment.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/WIPP 01-3194, *CH-TRU Waste Content Codes* (*CH-TRUCON*)
- DOE/WIPP 90-045, *RH-TRU Waste Content Codes* (*RH-TRUCON*)
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods For Payload Control* (*CCP CH-TRAMPAC*)
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (*CCP RH-TRAMPAC*)

Referenced Documents

- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan*
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For The Waste Isolation Pilot Plan*
- 40 CFR 261, *Identification and Listing of Hazardous Waste,* Subpart C, *Characteristics of Hazardous Waste.*
- 40 CFR 261, *Identification and Listing of Hazardous Waste,* Subpart D, *Lists of Hazardous Wastes*
- DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*

- CCP-TP-005, *CCP Acceptable Knowledge Documentation*
- CCP-TP-162, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Ensures that all data generated and used in decision making meet the DQOs

[A] Assesses whether data of sufficient type, quality, and quantity have been collected.

[B] Determines if the variability of the data set is small enough to provide the required confidence in the results.

[C] Determines if, based on the desired error rates and confidence levels, a sufficient number of valid data points have been determined (as established by the associated completeness rate for each sampling and analytical process).

[D] Documents that random sampling of containers, as applicable, was performed for the purpose of waste stream characterization.

[E] Documents any deviation from the containers specified for sampling in the random selection.

NOTE

The WSPF Package consists of the WSPF, the Characterization Information Summary (CIS) (for the lot addressing the applicable headspace or solids analysis data of the subject waste stream), and the Summation of Aspects of the Acceptable Knowledge (AK) Summary.

3.1.2 Completes and submits the WSPF package and required revisions.

3.1.3 Prepares the Waste Stream Characterization Package per CCP-PO-001, Section C3-12b(3) upon request from the DOE CBFO.

3.2 Acceptable Knowledge Expert (AKE)

NOTE

As the waste stream is characterized, the Acceptable Knowledge Expert (AKE) is responsible for corroborating the AK information with the characterization data collected. For the final data reconciliation (conducted in accordance with this procedure), the AKE provides assistance to the SPM.

3.2.1 Compiles the AK information for the waste stream being characterized.

3.2.2 Creates the AK summary which is used to create the Summation of Aspects of the AK summary.

3.2.3 Assigns a unique waste stream number for each waste stream based on information in the DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report* (ATWIR) and/or information from the Host site.

3.2.4 Reviews and concurs with the WSPF Package and subsequent revisions.

3.3 Host Site Subcontract Technical Representative (STR)

3.3.1 If required by the site-specific interface document, reviews, and concurs with the WSPF Package.

4.0 PROCEDURE

NOTE
The attachments in this document are examples of the requirements. The examples identify the minimum information required in the final approved report.

NOTE
Steps DO **NOT** need to be followed in sequence.

SPM

4.1 Assigning the WSPF Number

NOTE
The unique number will be limited to a maximum of 20 alpha-numeric characters. The first two characters will be the two letter site designator, and the remaining characters should coincide, to the maximum extent possible, with the title page of the AK Summary Report.

4.1.1 Assign the Waste Stream Number to the WSPF per the AK Summary Report.

NOTE
The Waste Stream Number is recorded on all applicable attachments.

4.2 Compilation and Evaluation of DQO Parameters

4.2.1 For the lot to be processed, select an appropriate number of containers that have completed CCP Project Office verification and validation from the waste stream population.

[A] Ensure that all of the containers selected are from the same waste stream by comparing the container numbers/waste stream identification numbers with the AK Tracking Spreadsheet for the subject site.

[B] Ensure (for solids/soils [S3000/S4000] waste streams that require solids sampling and analysis) that the required random selection has been completed, in accordance with CCP-TP-162, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis* **AND** the required minimum number of samples has been taken and analyzed, **OR** an AK Sufficiency has been approved.

[B.1] **IF** the required random selection, sampling, and analysis, **OR** an AK Sufficiency Determination has **NOT** been performed,
THEN direct the appropriate site facility to perform the required actions.

[B.2] **IF** the required random selection and sampling has been performed, but there has been a deviation from the containers specified for sampling in the random selection,
THEN confirm that the site project manager has prepared and submitted the required memorandum identifying the replaced and replacement container(s) and the reason for replacement to CCP Records as directed in CCP-TP-162.

[C] Ensure (for debris [S5000] waste streams that require headspace gas [HSG] sampling and analysis), that the required random selection has been completed, in accordance with CCP-TP-162, **AND** the required minimum number of samples has been taken and analyzed, **OR** an AK Sufficiency has been approved.

[C.1] **IF** the required random selection, sampling, and analysis, **OR** AK Sufficiency Determination has **NOT** been performed,
THEN direct the appropriate site facility to perform the required actions.

[C.2] **IF** the required random selection and sampling has been performed, but there has been a deviation from the containers specified for sampling in the random selection,
THEN confirm that the SPM has prepared and submitted the required memorandum identifying the replaced and replacement container(s), and the reason for replacement to CCP Records as directed in CCP-TP-162.

[D] Ensure all containers from any waste stream that requires Gas Generation Testing (GGT) meet one of the following requirements:

[D.1] The container is on an approved GGT Batch Data Report (BDR) and that the BDR is the most recent.

[D.2] The container is included in an approved Long Term Objective population.

[E] Ensure all containers from any waste stream that require Flammable Gas (FG) for Transportation Sampling meet one of the following requirements:

- The container is on an approved HSG BDR and that the BDR is the most recent.
- The container is on an approved FG for Transportation BDR and that the BDR is the most recent.

[F] Ensure all data to be used for certification was generated using certified equipment. Reference https://sftp.wipp.energy.gov in certification folder, file titled CCP SYSTEM PROCESS AND CERTIFICATION STATUS.

[G] Ensure that each of the BDRs chosen to certify the containers is the most recent BDR available for that characterization process (i.e., nondestructive examination [NDE], real-time radiography [RTR] or visual examination [VE], nondestructive assay [NDA], HSG, FG, Dose-to-Curie [DTC]), Radiological Characterization.

4.2.2 Obtain copies of the following documents from CCP Records, as applicable:

- Documentation of Radiological Properties (e.g., NDA BDR), VE, NDE, Solids Analysis, and HSG, **AND/OR** an AK Sufficiency Determination
- HSG Summary Report for previous waste lots
- Solids Summary Report for previous waste lots, if applicable
- CCP Headspace Gas UCL_{90} Evaluation Form (CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization* - Attachment 3)
- CCP Solids Analysis VOC UCL_{90} Evaluation Form (CCP-TP-003 - Attachment 4)
- CCP Solids Analysis Semi-VOC UCL_{90} Evaluation Form (CCP-TP-003 - Attachment 5)

- CCP Solids Analysis Metals UCL_{90} Evaluation Form (CCP-TP-003 - Attachment 6)
- Previous records of data completion and reconciliation with DQOs (see Attachment 1, CCP Reconciliation with Data Quality Objectives for an example)
- Previously completed CIS submitted to records on interoffice memo

4.2.3 Determine if sufficient data have been collected to determine if program-required waste parameters have been met, by completing the CCP Reconciliation with Data Quality Objective Attachment 1, using the attached instructions.

4.2.4 **IF** sufficient data has been collected,
THEN enter the Waste Stream Number and Lot Number on the CCP Reconciliation with Data Quality Objective.

4.2.5 **IF** data DOES **NOT** meet the criteria on the CCP Reconciliation with Data Quality Objective,
THEN sufficient data has **NOT** been collected to fully characterize the waste stream, therefore, determine the additional waste characterization that needs to be performed **AND** direct the appropriate site facility to collect the additional data.

NOTE

The CCP Reconciliation with Data Quality Objective contains multiple questions for each entry. If there are discrepancies between questions or if entries are Not Applicable (N/A), comments will be added to the form explaining how criteria are met.

4.2.6 Complete the CCP Reconciliation with Data Quality Objective, using the attached questions.

4.2.7 Print name, sign, and date the CCP Reconciliation with Data Quality Objective.

4.2.8 Place the CCP Reconciliation with Data Quality Objective in the holding file.

4.3 Preparing Waste Stream Profile Form (WSPF)

NOTE
The current approved revision of the waste stream AK Summary should be used in preparing or revising the WSPF.

4.3.1 **IF** a WSPF exists for the waste characterization data being reconciled,
THEN GO TO Section 4.7.

4.3.2 Ensure all characterization data obtained from CCP Records for the waste stream in question have gone through project level validation (i.e., signed SPM checklists).

4.3.3 Prepare a CCP WSPF (see CCP Waste Stream Profile Form, for an example) using the instructions included in Attachment 2.

4.3.4 Review, print name, sign, and date the WSPF.

4.3.5 Place the CCP WSPF in the holding file.

4.4 Completing the Characterization Information Summary (CIS)

NOTE
Include the list of site-specific/CCP procedures, revisions, and dates used in characterizing the containers in the lot.

4.4.1 Using the cover page found in the CCP Characterization Information Summary Cover Page (see Attachment 3, CCP Characterization Information Summary Cover Page for an example), record the Waste Stream Number and Lot Number.

4.4.2 Complete the cross-reference listing the container numbers to each BDR (see Attachment 4, CCP Correlation of Container Identification Numbers to Batch Data Report Numbers for an example).

[A] For items **NOT** analyzed enter N/A.

[B] Print name, sign, and date the CCP Correlation of Container Identification Numbers to Batch Data Report Numbers.

[C] Place the CCP Correlation of Container Identification Numbers to Batch Data Report Numbers in the holding file.

4.4.3 Copy the completed UCL_{90} form for the applicable analyses:

- CCP Headspace Gas UCL_{90} Evaluation Form, CCP-TP-003 - Attachment 3
- CCP Solids Analysis VOC UCL_{90} Evaluation Form, CCP-TP-003 - Attachment 4
- CCP Solids Analysis Semi-VOC UCL_{90} Evaluation Form, CCP-TP-003 - Attachment 5
- CCP Solids Analysis Metals UCL_{90} Evaluation Form, CCP-TP-003 - Attachment 6

4.4.4 Complete the summary data for the applicable analyses for the lot of the waste stream:

- CCP Headspace Gas Summary Data (see Attachment 5, CCP Headspace Gas Summary Data for an example)
- CCP Solids VOCs Summary Data (see Attachment 6, CCP Solids VOCs Summary Data for an example)
- CCP Solids SVOCs Summary Data, (see Attachment 7, CCP Solids SVOCs Summary Data for an example)

4.4.5 Sign and date CCP Headspace Gas Summary Data, **OR** CCP Solids VOCs Summary Data **AND** CCP Solids SVOCs Summary Data.

4.4.6 Place CCP Headspace Gas Summary Data, **OR** CCP Solids VOCs Summary Data **AND** CCP Solids SVOCs Summary Data in the holding file.

4.4.7 **IF** the AK Summary for the waste stream identified the U.S. Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) U134 (hydrofluoric acid),
THEN address in CCP RTR/VE Summary of Prohibited Items (see Attachment 8, CCP RTR/VE Summary of Prohibited Items for an example) that any liquid identified is a prohibited item per the applicable operating procedure and is **NOT** acceptable by the Treatment, Storage, and Disposal Facility (TSDF).

4.4.8 Complete the CCP RTR/VE Summary of Prohibited Items to document that prohibited items are **NOT** present in the waste stream or waste stream lot.

NOTE

If CBFO approves, VE may be performed on S3000 and S4000 when the material is not removed from the characterized container.

4.4.9 Complete the justification for the selection of radiography and/or VE as the appropriate method for characterizing the waste.

4.4.10 Print name, sign, and date CCP RTR/VE Summary of Prohibited Items.

4.4.11 Place CCP RTR/VE Summary of Prohibited Items in the holding file.

4.5 Summation of Aspects of the AK Summary

4.5.1 Obtain an approved copy of the AK Summary for the subject waste stream in order to create a summary level version of the AK Summary, entitled the Summation of Aspects of the AK Summary.

4.5.2 Create the Summation of Aspects of AK Summary and include the following information: waste stream name and number, point of generation, waste stream volume (current and projected), generation dates, TRUCON codes, Summary Category Group, Waste Matrix Code(s) (WMC) and Waste Matrix Code Group, other ATWIR information, waste stream description, areas of operation, generating processes, Resource Conservation and Recovery Act (RCRA) determinations, radionuclide information, method for determining Waste Material Parameter (WMP) weights per unit of waste contact-handled ([CH] only), all references used to generate the Summation of Aspects of AK Summary, and any other information required by CCP-PO-001.

4.5.3 Include a list of any approved AK Sufficiency Determinations for the waste stream.

4.6 Submitting the WSPF Package to DOE CBFO

4.6.1 Compile the WSPF Package consisting of the following:

- WSPF

- CIS
- Summation of Aspects of the AK Summary

4.6.2 Forward a copy to the AKE for review and concurrence.

4.6.3 **IF** required by the appropriate site-specific Interface Document, **THEN** forward a copy to the STR for review and concurrence.

4.6.4 **IF** comments are received from the AKE **AND/OR** STR, **THEN** resolve the comments, **AND** forward a copy of the resolution to the reviewer for concurrence.

4.6.5 **AFTER** concurrence(s) is/are received, **THEN** continue with this section.

4.6.6 Transmit the WSPF Package via e-mail to the DOE CBFO electronic mail (email) site at site.documents@wipp.ws for permittee review and CBFO approval.

4.6.7 **IF** comments are received from the permittees, **THEN** repeat steps 4.6.2 through 4.6.6 until comments have been resolved.

4.6.8 Submit approved WSPF Package to CCP Records in accordance with CCP-QP-008, *CCP Records Management,* with an interoffice memo within 30 calendar days of WSPF approval.

4.7 Subsequent Data Reconciliation

4.7.1 Obtain a copy of the WSPF Package from CCP Records.

4.7.2 Perform applicable steps of Sections 4.2 and 4.4.

NOTE

A revision required to the WSPF package that results in the addition of EPA HWNs will require the waste stream to be suspended until DOE approves a revised WSPF.

4.7.3 **IF** the waste DOES **NOT** meet the WSPF Package description, **THEN** revise the WSPF Package, **OR** assign the waste to a new waste stream.

[A] **IF** subsequent data collection reveals discrepancies that identify different EPA HWNs,
THEN the Waste Stream Profile will be revised.

[B] **IF** subsequent data collection reveals discrepancies that indicate the waste belongs to a different waste stream,
THEN initiate a nonconformance report (NCR) in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

NOTE
A revision required to the WSPF Package that DOES **NOT** result in addition of EPA HWNs will not require the waste stream to be suspended.

[C] **IF** the WSPF Package requires a revision,
THEN make the appropriate changes in accordance with guidance provided in the CCPWSPF, **AND** submit the WSPF revision to CCP Records and DOE CBFO in accordance with the applicable steps in Section 4.6.

[D] **IF** the waste DOES **NOT** match the subject WSPF Package (i.e., have common physical form, contain similar hazardous constituents, and were generated from a single process or activity discrepancies are noted that identify different EPA HWNs or indicate that the waste belongs to a different waste stream),
THEN perform the following:

[D.1] Notify the AKE that the subject waste must be redefined to a separate waste stream in accordance with the applicable steps of CCP-TP-005, *CCP Acceptable Knowledge Documentation*, Section 4.8.

[D.2] Generate a new WSPF Package in accordance with Sections 4.2 through 4.6.

4.7.4 Provide documentation of the waste stream lot data reconciliation to CCP Records that includes the CCP CIS and CCP Reconciliation with Data Quality Objective.

4.8 Completing the Waste Stream Characterization Package

4.8.1 When requested by DOE CBFO, prepare the Waste Stream Characterization Package for the requested waste stream.

4.8.2 Obtain a copy of the subject WSPF Package from CCP Records.

4.8.3 Obtain copies of the subject CISs for each of the waste stream lots associated with the subject waste stream from CCP Records.

4.8.4 Obtain a complete copy of the AK Summary for the subject waste stream from CCP Records.

4.8.5 Obtain copies of the BDRs as requested by DOE CBFO from CCP Records.

4.8.6 Obtain copies of other data requested by DOE CBFO from CCP Records.

4.8.7 Assemble the information, **AND** transmit to DOE CBFO.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) Records in accordance with CCP-QP-008. The records are the following:

QA/Lifetime

[A] Characterization Information Summary

[A.1] Attachment 1 – CCP Reconciliation with Data Quality Objective

[A.2] Attachment 3 – CCP Characterization Information Summary Cover Page with attached interoffice memorandum

[A.3] Attachment 4 – CCP Correlation of Container Identification Number to Batch Data Report Numbers

[A.4] Attachment 5 – CCP Headspace Gas Summary Data, when applicable

[A.5] Attachment 6 – CCP Solids VOCs Summary Data, when applicable

[A.6] Attachment 7 – CCP Solids SVOCs Summary Data, when applicable

[A.7] Attachment 8 – CCP RTR/VE Summary of Prohibited Items

[B] Waste Stream Profile Form Package

[B.1] Attachment 2 – CCP Waste Stream Profile Form – includes Interoffice Memorandum of Submittal from the SPM

[B.2] CIS for the lot addressing the applicable headspace or solids analysis data

[B.3] Summation of Aspects of the AK Summary, if applicable

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example)

Sampling Completeness

RTR:
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is 100%)

NDA:
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is 100%)

HSG:
Number of valid samples: _____ Number of total samples collected: _____
Percent Complete: _____ (QAO is ≥90%)
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is ≥90%)

Total VOC:
Number of valid samples: _____ Number of total samples collected: _____
Percent Complete: _____ (QAO is ≥90%)
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is ≥90%)

Total SVOC:
Number of valid samples: _____ Number of total samples collected: _____
Percent Complete: _____ (QAO is ≥90%)
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is ≥90%)

Total Metals:
Number of valid samples: _____ Number of total samples collected: _____
Percent Complete: _____ (QAO is ≥90%)
Number of valid samples: _____ Number of total samples analyzed: _____
Percent Complete: _____ (QAO is ≥90%)

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) (Continued)

Waste Stream#: _____ Lot #: _____

	Y/N/NA	Reconciliation Parameter
1.		Waste Matrix Code.
2.		Waste Material Parameter Weights.
3.		The waste matrix code identified is consistent with the type of sampling and analysis used to characterize the waste.
4.		The transuranic (TRU) activity reported in the BDRs for each container demonstrates with a 95 percent probability that the container of waste contains TRU radioactive waste.
5.		AK Sufficiency. Is there an approved AK sufficiency Determination for this waste stream?
6.		Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for each **VOC** in the HSG of each container were calculated and compared with the program required quantitation limits, as reported in CCP-TP-003, Attachment 3, and additional EPA HWNs were assigned as required. Samples were randomly collected (when appropriate).
7a.		Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids VOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 4, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7b.		Mean concentrations, UCL_{90} values for the mean concentration, standard deviations, and the number of samples collected for **solids SVOCs** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 5, and additional EPA HWNs were assigned as required. Samples were randomly collected.
7c.		Mean concentrations, UCL_{90}values for the mean concentration, standard deviations, and the number of samples collected for **total metals** were calculated and compared with the program required quantitation limits and regulatory thresholds, as reported in the CIS, CCP-TP-003, Attachment 6, and additional EPA HWNs were assigned as required. Samples were randomly collected.

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) (Continued)

Waste Stream#: _____ Lot #: _____

	Y/N/NA	Reconciliation Parameter			
8.		The data demonstrates whether the waste stream exhibits a toxicity characteristic under Title 40 *Code of Federal Regulations* (CFR), Part 261, *Identification and Listing of Hazardous Waste,* Subpart C, *Characteristics of Hazardous Waste*.			
9.		Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D, *Lists of Hazardous Wastes*?			
10.		Waste stream can be classified as hazardous or nonhazardous at the 90 percent confidence level.			
11.		Appropriate packaging configuration and Drum Age Criteria (DAC) is applied and documented in the HSG sampling documentation, and the drum age met prior to sampling.			
12.		Tentatively identified compounds (TICs) were appropriately identified and reported in accordance with the requirements of Section C3-1 of the QAPjP.			
13.		The program required quantitation limits (PRQLs) for HSG VOCs were met for all analyses as evidenced by the analytical BDRs.			
14.		The overall completeness, comparability, and representativeness quality assurance objectives (QAOs) were met for each of the analytical and testing procedures as specified in CCP-PO-001 Sections C3-2 through C3-9 prior to submittal of a WSPF for a waste steam or waste stream lot.			
			Completeness	**Comparability**	**Representativeness**
		Radiography			
		VE			
		Headspace Gas Sampling And Analysis			
		Solids Sampling			
		Solids VOCs			
		Solids SVOCs			
		Total Metals			
Comments					

SPM Printed Name _____ Signature _____ Date _____

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) (Continued)

Instructions for completing form:

Prior to completing Blocks 1 through 13, the SPM or Designee shall complete the Sampling Completeness portion of Attachment 1.

For each waste container and process, verify that:

- The waste container, by serial number, is included in the BDR shown for each characterization methodology listed in Attachment 4, CCP Correlation of Container Identification Numbers to Batch Data Report Number.

- The BDR has gone through project level validation and verification and has received SPM approval.

- The waste container was not removed from the BDR via NCR.

This information is recorded on Attachment 1 under the Sampling Completeness.

This process confirms that the samples are valid and that there is analysis data in the BDRs to support the determination, by the SPM, of program-required waste parameters for the total number of samples collected.

1. Waste Matrix Code. Is the waste matrix code assigned to the waste stream in the AK Summary Report supported by the radiography and/or VE testing BDRs?

2. Waste Material Parameter Weights. Are the waste material parameters listed in the AK Summary reported in kilograms for each of the waste material parameters identified in the waste stream?

3. Waste Matrix Code. Are the characterization methods used consistent with the identified waste matrix code (CCP-PO-001, Section C3)?

4. TRU Radioactive Waste. Does the TRU activity reported in the BDR for each container demonstrate compliance with CCP-PO-002, *CCP Transuranic Waste Certification Plan*?

5. AK Sufficiency Determinations requested for the waste stream? If the answer is Yes, record request in comments field and document the use of the AK Sufficiency Determination as objective evidence for answering Yes to other DQOs.

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) (Continued)

6. Mean concentrations. UCL_{90} for the mean concentrations, standard deviations, and the number of samples collected for each VOC in the (HSG) Sampling of waste containers in the waste stream are complete (if applicable). Was the waste stream or lot sampled for the correct number of HSG samples (either 100 percent or the number of samples determined to be representative for the waste stream if reduced sampling is allowable)? If less than 100 percent HSG sampling was performed, is the random selection of the containers documented and were the correct containers sampled.

7. Mean concentrations, UCL_{90} for the mean concentrations, standard deviations, and the number of samples collected for Solid VOCs, Semi Volatile Organic Compounds (SVOCs), and metals in the waste stream. Was the correct number of samples collected for the waste stream? Is the random selection of the containers that were sampled documented and were the correct containers sampled? Questions 7a, 7b, and 7c refer to S3000 and S4000 waste streams.

8. Toxicity Characteristic. Does the waste exhibit a toxicity characteristic under 40 CFR Part 261, Subpart C?

9. Listed Waste. Does the waste stream contain listed waste found in 20.4.1.200 NMAC incorporating 40 CFR Part 261, Subpart D?

10. Hazardous Waste Determination. Can the waste stream be classified as hazardous or nonhazardous at the 90-percent confidence level?

11. Packaging Configuration and Drum Age Criteria (DAC). Was an appropriate packaging configuration and DAC applied and documented in the HSG sampling documentation, and was the DAC met prior to sampling?

12. Tentatively Identified Compounds (TICs). Were all TICs appropriately identified and reported in accordance with the requirements of the QAPjP Section C3-1? Has the number of any individual TIC identified in the entire waste stream been detected in more than 25 percent of the samples? If so, has the TIC been added to the target analyte list? This information is found in the Headspace Gas Data Summary Report (CCP-TP-003, Attachment 10; CCP-TP-003, Attachment 11; CCP-TP-003, Attachment 3; CCP-TP-003, Attachment 4; CCP-TP-003, Attachment 5; and CCP-TP-003, Attachment 6).

13. Program Required Quantitation Limits (PRQLs). Did each of the analytical methods used for characterization of this waste stream or waste stream lot demonstrate the ability to meet the PRQL limits for that technique (BDRs)?

Attachment 1 – CCP Reconciliation with Data Quality Objective (Example) (Continued)

14. Completeness, Comparability, and Representativeness. Have the overall completeness, comparability, and representativeness quality assurance objective (QAOs) for each of the testing, sampling, and analytical processes been met for the waste stream or waste stream lot by answering each of the following questions:

- Completeness: HSG Sampling, HSG Analysis, Solid Sampling, Solids VOCs, Solids SVOCs, Total Metals:
  - Has the amount of valid data obtained from the overall measurement system compared to the amount of data collected and submitted for analysis met the 90 percent threshold?
  - RTR: Is there an audio/videotape (or equivalent media) of the radiography examination and a validated radiography data form for 100 percent of the containers subject to radiography?
  - VE: A validated VE data form will be obtained for 100 percent of the waste containers subject to VE.
- Comparability: HSG Sampling, NDE, VE, HSG Analysis, Solid Sampling, Solid VOCs, Solid SVOCs:
  - Was the correct approved version of the procedure used by qualified operators to acquire, verify, and validate the data?
- Representativeness: Was the correct approved version of the procedure used to control:
  - HSG Sampling: DAC selection, leak checking, cleaning, low volume (<10 percent), pressure controls, and acquisition of QC samples?
  - HSG Analysis: Collecting sufficient numbers of samples using clean sampling equipment that does not introduce sample bias?
  - Solid Sampling: Cleaning, coring depth (50 percent of waste), and minimal waste disturbance?
  - Solid VOCs, Solid SVOCs, Total Metals: The acquisition of unbiased samples?
  - NDE: Viewing test image, resolving discrepancies between two operators
  - VE: Reconciling any discrepancies between the operator and the Independent Technical Reviewer

Attachment 2 – CCP Waste Stream Profile Form (Example)

(1) Waste Stream Profile Number:								
(2) Generator site name:							(3) Generator site EPA ID:	
(4) Technical contact:							(5) Technical contact phone number:	
(6) Date of audit report approval by New Mexico Environment Department (NMED):								
(7) Title, version number, and date of documents used for WIPP-WAP Certification:								
(8) Did your facility generate this waste?	YES		NO					
(9) If no, provide the name and EPA ID of the original generator:								
Waste Stream Information								
(10) WIPP ID:							(11) Summary Category Group:	
(12) Waste Matrix Code Group:							(13) Waste Stream Name:	
(14) Description from the ATWIR:								
(15) Defense TRU Waste:	YES		NO					
(16) Check One:	CH		RH					
(17) Number of SWBs (17a) Number of SLB2		(18) Number of Drums					(19) Number of Canisters	
(20) Batch Data Report numbers supporting this waste stream characterization:								
(21) List applicable EPA Hazardous Waste Numbers:								
(22) Applicable TRUCON Content Numbers:								
(23)**Acceptable Knowledge Information**								
(For the following, enter the supporting documentation used [i.e., references and dates])								
Required Program Information								
(23A) Map of site:								
(23B) Facility mission description:								
(23C) Description of operations that generate waste:								
(23D) Waste identification/categorization schemes:								
(23E) Types and quantities of waste generated:								
(23F) Correlation of waste streams generated from the same building and process, as applicable:								
(24) Waste certification procedures:								
(25) Required Waste Stream Information								
(25A) Area(s) and building(s) from which the waste stream was generated:								
(25B) Waste stream volume and time period of generation:								
(25C) Waste generating process description for each building:								
(25D) Waste Process flow diagrams:								
(25E) Material inputs or other information identifying chemical/radionuclide content and physical waste form:								
(25F) Waste Material Parameter Weight Estimates per unit of waste								
(26) Which Defense Activity generated the waste:								
	Weapons activities including defense inertial confinement fusion						Naval Reactors development	
	Verification and control technology						Defense research and development	
	Defense nuclear waste and material by products management						Defense nuclear material production	
	Defense nuclear waste and materials security and safeguards and security investigations							

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

(27) Supplemental Documentation:	
(27A) Process design documents:	
(27B) Standard operating procedures:	
(27C) Safety Analysis Reports:	
(27D) Waste packaging logs:	
(27E) Test plans/research project reports:	
(27F) Site databases:	
(27G) Information from site personnel:	
(27H) Standard industry documents:	
(27I) Previous analytical data:	
(27J) Material safety data sheets:	
(27K) Sampling and analysis data from comparable/surrogate Waste:	
(27L) Laboratory notebooks:	
Confirmation Information	
For the following, when applicable, enter procedure title(s), number(s) and date(s)	
(28)	Radiography:
	Visual Examination:
(29) Comments: For a list of the waste characterization procedures used and date of respective procedures see the list of procedures on the attached CIS.	

Reviewed by AK Expert: **YES** ☐ **Date:** _____

Reviewed by STR (if necessary): **YES** ☐ **N/A** ☐ **Date:** _____

Waste Stream Profile Form Certification:

I hereby certify that I have reviewed the information in this Waste Stream Profile Form, and it is complete and accurate to the best of my knowledge. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Site Project Manager	Printed Name	Date

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

CCP WASTE STREAM PROFILE PACKAGE

A WSPF Package should be completed as early as possible (once sufficient data has been obtained [e.g., at least one lot]) and submitted to DOE CBFO for approval.

The SPM, in completing the WSPF, should seek the assistance and participation of the AKE in the preparation of the form and attachments.

The WSPF package submitted to DOE CBFO for approval contains three parts. The first part is the WSPF itself. The second part is the CIS Report for the waste stream or waste stream lot used to support the WSPF. The last part is the *Summation of Aspects of the AK Summary Report*, to support the WSPF. The completion of the first and third parts of the package is addressed in these instructions. Completion of the CIS is addressed in CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*, and associated forms.

Instructions for completing the Waste Steam Profile Form:

Obtain an approved copy of the current WSPF Package from CCP Records; for new WSPFs, it will be blank.

Line numbers indicated below refer to the number in the parenthesis on the CCP WSPF.

The brackets [ ] indicate the primary source of the information requested if not otherwise referred to within the instruction.

Line 1:

Assign a site-specific waste stream profile number to each form generated. The number should normally coincide, to the extent possible, as it appears on the title page of the AK Summary Report. The SPM is responsible for selecting the number after referring to the AK Summary Report. The number should start with the applicable two-digit site designator. The number should be limited to 20 alpha-numeric characters maximum. Indicate waste stream lots with a period and sequentially numbered digits added to the waste stream profile number.

Line 2:

Enter the name of the site where the waste is currently stored. [AK Summary Report]

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Line 3:

Enter the EPA Identification (ID) Number of the site listed in Line 2. The ID number, if not included in the AK Summary Report, can be obtained from the EPA Regional office in which the site is located. The AKE should assist in the acquisition of this information.

Line 4:

Enter the name of the technical contact for this site. This is the individual to be contacted if there are questions concerning the data reported on the form, usually the SPM.

Line 5:

Provide the telephone number of the person identified in Line 4.

Line 6:

Enter the date of the most recently approved audit report approval by NMED. If the site has been audited but an audit report has not yet been approved by DOE CBFO, contact the CCP Project Manager. If DOE CBFO has approved the audit report and is awaiting approval by New Mexico Environmental Department (NMED), submit the WSPF package to DOE CBFO for distribution to the Waste Isolation Pilot Plant (WIPP) Review Team.

Line 7:

List the site-specific waste program documents (such as CCP-PO-001, the CCP-PO-003, Interface, etc.) listing the current revision.

Line 8:

Check the appropriate box. [AK Summary Report]

Line 9:

If the site where the waste is currently stored is not the site where the waste was generated, then provide the name and EPA identification number of the site where the waste was generated. [The AK Summary Report should provide the information as to where the waste was generated. The ID number, if not included in the AK Summary Report, can be obtained from the EPA Regional Office in which the site is located. The AKE should assist in the acquisition of this information.]

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

If the waste was generated at the site where it is currently stored, place an N/A in this box.

Line 10:

Enter the WIPP identification number from the current revision of the Annual Transuranic Waste Inventory Report (ATWIR) that best describes the waste stream being certified. CCP may split or combine ATWIR waste streams for the purposes of defining waste sampling populations. If CCP has split or combined ATWIR waste streams, all contributing ATWIR waste streams listed on the WSPF should also be indicated on the Summation of Aspects of AK Summary Report.

If there is no corresponding WIPP ID number listed in the ATWIR or if the ATWIR information is in error or no longer applies, enter None Available. If there is no corresponding WIPP ID number listed in the ATWIR, contact the AKE for assistance. (A copy of the ATWIR may be found in the WIPP Technical Library in the Skeen Whitlock Building.)

Line 11:

Enter the Summary Category Group identified in the AK Summary Report as representing this waste stream.

Line 12:

Enter the Waste Matrix Code (WMC) Group identified in the AK Summary Report as representing this waste stream. Use only WMC Groups identified in the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP).

Line 13:

Enter the name of the waste stream from the AK Summary Report.

Line 14:

Enter the waste stream description from the ATWIR (preferred) or AK Summary Report.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Line 15:

Check the appropriate box. [AK Summary Report]

If the answer to this question is NO, stop work and notify the CCP Program Manager immediately. This waste can not be disposed of at the WIPP Site.

Line 16:

Check the appropriate box.

CH=contact-handled TRU waste
RH=remote-handled TRU waste

[AK Summary Report for the waste stream identified above.]

Line 17:

Enter the number of standard waste boxes in this waste stream (current and projected). [AK Summary Report] If there are no standard waste boxes in the waste stream, N/A should be entered.

Line 17a:

Enter the number of standard large box 2s (SLB2s) in this waste stream (current and projected). [AK Summary Report] If there are no SLB2s in the waste stream, N/A should be entered.

Line 18:

Enter the total number of drums in the waste stream (current and projected). Enter the number of Ten-Drum Overpacks (TDOPs), 85-gallon drums and 100-gallon drums if applicable (current and projected). [AK Summary Report]

If there are no drums (e.g., only SWBs, SLB2s, or Canisters) in the waste stream, N/A should be entered.

Line 19:

Enter the number of canisters in this waste stream (current and projected). [AK Summary Report]

If there are no canisters in the waste stream, N/A should be entered.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Line 20:

List the TRU Waste BDR numbers used to support the completion of this WSPF. This list shall include every container and the associated BDRs from each process in the waste stream OR every container in the waste stream lot and the associated BDRs from each process used in that characterization (for example NDA, NDE, HSG, VE, etc). Reference may be made to the CIS (Attachment 3 and contents) (The CIS for the waste stream, or waste stream lot associated with the WSPF, is submitted as part of the WSPF package to DOE CBFO for approval).

Line 21:

List each EPA HWN that is present in the waste stream. Each EPA HWN must be listed in the WIPP Hazardous Waste Facility Permit, Attachment C, Table C-9, Hazardous Waste Permit Application, Part A. Each EPA HWN must be justified in the Waste stream specific AK Summary Report. The AKE should assist in this determination.

Line 22:

Enter all of the TRUCON Content Numbers, from the current revision of the content codes document applicable to this waste stream. [AK Summary Report]

Line 23: A-F

Reference all of the appropriate sections, figures, or pages in the current revision of the AK Summary Document (including the document title, number, revision number and effective date) for this waste stream where the listed information can be found in the AK document.

Line 24:

List all of the waste stream certification procedures applicable to this waste stream. Include procedure numbers, revision numbers, titles, and effective date. This list should contain all revisions of a document that were used during the characterization of the waste. References may be made to the CIS, Attachment 3.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Line 25 A-F:

Reference all of the appropriate sections, figures, or pages in the current revision of the AK Summary Document (including the document title, number, revision number and effective date) for this waste stream where information listed can be found in the AK document.

Line 26:

Check all that apply that describes the defense activities that generated the waste.
[AK Summary Report]

Line 27 A-L:

Sites must provide the appropriate references to the site-specific documents that contain documentation that is used to support the use of AK for TRU waste characterization. Items in this section must be given the same level of consideration as the items in the Required Program Information and Required Waste Stream Information sections. This information may either be inserted into the block or referenced as listed on a continuation sheet. The AKE should provide appropriate lists of documents for use in completing Line 27. Only those documents referenced in the AK Source Documents List in the Summation of Aspects should be included in these lists.

Using information from the AK Record or from a document that is traceable to the AK record, provide a reference for the following parameters:

(A) Process design document (e.g., Title II Design).

(B) Standard operating procedures, including procedure date and reference number, that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the process or experiment generating the waste, and a description of waste generated and how the wastes are managed at the point of generation.

(C) Preliminary and final safety analysis reports and technical safety requirements.

(D) Waste packaging records.

(E) Test plans or research project reports that describe reagents and other raw materials used in experiments.

(F) Site databases (e.g., chemical inventory database for Superfund Amendments and Reauthorization Act Title III requirements).

(G) Information from site personnel (e.g., documented interviews).

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

(H) Standard industry documents (e.g., vendor information).

(I) Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling, or other processes that collect information pertinent to the waste stream. This may also include new information acquired apart from the confirmatory process, which supplements required information (e.g., visual examination not performed in compliance with the WIPP-WAP, radiography screening for prohibited items).

(J) MSDSs, product labels, or other product package information.

(K) Sampling and analysis data from comparable or surrogate waste streams (e.g., equivalent nonradioactive materials).

(L) Laboratory notebooks that detail the research processes and raw materials used in an experiment.

Line 28:

List the most current revisions of the approved applicable procedure(s) by the title, number, revision number, and effective date in the appropriate block.

Line 29:

For a list of the waste characterization procedures used and date of respective procedures, see the list of procedures on the attached CIS.

Instructions for completing the Summation of Aspects of the AK Summary Report:

This summation should be as succinct as possible and consistent with the AK Summary Report.

Example:

SUMMATION OF ASPECTS OF AK SUMMARY REPORT: WASTE STREAM NTXXXXXXX

Overview

The overview is an executive summary of the summation. It should contain general information about where the waste was generated, where it is stored, reference to the WSPF number and the AK Summary Report from which the information is compiled, etc. In addition, the overview should contain summary level information that the waste stream is derived from defense related activities.

Waste Stream Identification Summary

This section should contain, as a table, the information identified below, if applicable.

Waste Stream Name
Waste Stream Number

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Dates of Waste Generation
Waste Stream Volume (current and projected by container)
Summary Category Group
Waste Matrix Code Group
Waste Matrix Code
TRUPACT-II Content code (TRUCON)
TRUPACT-III Content Code
ATWIR ID Number

Waste Stream Description and Physical Form

This section should contain information regarding what the waste consists of generally. For instance: the source of the waste - nonline laboratory trash that is heterogeneous debris and includes plastics, rubber paper glass, etc.

Point of Generation

Location

Specifically where the waste was generated:
Facility, description of the site, state, area designation, building number, production line, etc.

Area and/or Buildings of Generation

Short summary regarding the buildings or areas or productions lines, etc. that generated the waste.

Generating Processes

Description of Waste Generating Processes

This section should be a more detailed description of where and how the waste is generated. It can be building by building, process line by process line, or any other grouping that makes sense. These descriptions should be complete enough for understanding yet still striving for brevity.

Waste Stream Material and Chemical Inputs

A Table of Chemicals, for which an EPA HWN has been assigned. Include at least one identified use for each chemical.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

RCRA Determinations

Historical Waste Management

The Historical Waste Management section is used to explain site policies or previous RCRA designation of the waste and how CCP uses those determinations. Explanations of how the site physically managed the waste and discussion of waste tracking or other management programs are optional. Include a discussion of duplicated CBFO approved waste streams generated under other certified programs.

Hazardous Waste Determinations

The AKE should assist in the hazardous waste determination. Include discussions in appropriate section below for instances where EPA HWNs are added as a result of confirmation activities (e.g., solids sampling data).

The following text should be used to begin the discussions of ignitable, corrosive, and reactive characteristics.

Ignitability, Corrosivity, Reactivity

The waste material in this waste stream does not meet the definition of ignitable, corrosive, and reactive as defined in 40 CFR 261.21.

The waste in this waste stream is not liquid and does not contain unreacted corrosive chemicals; therefore, it does not meet the definition of corrosivity found in 40 CFR 261.22.

The waste material in the waste stream does not meet the definition of reactivity in 40 CFR 261.23. The materials are stable and will not undergo violent chemical change without detonating. The materials will not react violently with water, form potentially explosive mixtures with water, nor generate toxic gases, vapors, or fumes when mixed with water. Include other text such as the absence of sulfides and cyanides as appropriate.

Provide adequate detail to describe the absence of ignitable, corrosive, or reactive waste in the waste stream. Ensure the discussion closes with a statement such as, “The containers in the waste stream will be evaluated in accordance with the WIPP-WAP using radiography (and/or VE) prior to shipment to ensure the waste is not ignitable, reactive, or corrosive.

Ignitable (D001) wastes are prohibited from disposal at WIPP. Any potential D001 wastes in the waste stream must be evaluated and a determination of whether or not to apply the D001 number must be made.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Special care must be taken to address items such as metal powders which are not normally thought of as ignitable.

Some chemicals, to which the D001 EPA HWN is applied, may be identified in the AK. The D001 number is applied due to ignitability. The SPM must be able to address the ignitability of these wastes and determine that the characteristic of ignitability does not apply.

If the SPM can not positively state at the conclusion of this section that "The waste number for ignitability (D001) does not apply to this waste stream," contact the CCP Project Manager.

Corrosive (D002) wastes are prohibited from disposal at WIPP. Any potential D002 wastes in the waste stream must be evaluated and a determination of whether or not to apply the D002 number must be made.

If the SPM can not positively state at the conclusion of this section that "The waste number for Corrosivity (D002) does not apply to this waste stream," contact the CCP Project Manager.

Reactive (D003) wastes are prohibited from disposal at WIPP. Any potential D003 wastes in the waste stream must be evaluated and a determination of where or not to apply the D003 number must be made.

If the SPM can not positively state at the conclusion of this section that "The waste number for Reactivity (D003) does not apply to this waste stream," contact the CCP Project Manager.

Toxicity Characteristic

Determine if the waste in this waste stream meets the definition of toxicity as defined in 40 CFR 261.24. For each chemical listed in CFR 261.24, determine if the EPA HWN should be applied to the waste stream.

If it is not possible to identify a specific source of the chemical, but the determination is made to apply the number, state that the number is being applied based on the information available.

Listed Waste

F-Listed Waste

Determine if the waste in this waste stream meets the requirements for listing as an F-Listed (Hazardous Waste from Non-Specific Sources) as defined in 40 CFR 261.31. For each chemical listed in CFR 261.31, determine if the EPA HWN should be applied to the waste stream.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

If it is not possible to identify a specific reason to apply the number for a chemical, but never the less the determination is made to apply the number, state that the number is being applied based on the information available.

K-Listed Waste

K-Listed wastes (Hazardous Waste from Specific Sources) are unlikely in waste to be shipped to WIPP. If K wastes are included, document as below for P- and U-Listed wastes.

P- and U-Listed Wastes

P- and U-Listed wastes are lists of chemicals that if present in the waste as pure un-used commercial chemical products would require the application of the EPA HWN.

Determine if the waste in this waste stream meets the requirements for listing as a P- or U-Listed as defined in 40 CFR 261.33. For each chemical listed in CFR 261.33, determine if the EPA HWN should be applied to the waste stream.

If it is not possible to identify a specific reason to apply the number for a chemical, but never the less the determination is made to apply the number, state that the number is being applied based on the information available.

Hydrofluoric acid (U134) and Beryllium (P015) are of special interest and must be addressed in every WSPF.

Polychlorinated Biphenyls

Evaluate the presence of Polychlorinated Biphenyls (PCBs) in the waste.

Prohibited Items

Include the appropriate prohibited items discussion from the AK Summary Report including a discussion as to how the prohibited items will be identified and remediated prior to shipment (such as radiography or VE).

Method for Determining Waste Material Parameter Weights per Unit of Waste

Describe the method used for determining waste material parameter weight estimates per unit of waste and include the WMP estimates table.

List of Any AK Sufficiency Determinations Requested for the Waste Stream

List applicable AK sufficiency determinations.

Attachment 2 – CCP Waste Stream Profile Form (Example) (Continued)

Transportation

Briefly discuss DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For The Waste Isolation Pilot Plant* (WIPP-WAC) transportation requirements as they pertain to identified TRUCON codes as dictated by the waste stream.

Beryllium

Address the WIPP-WAC requirements for beryllium.

Radionuclide Information

Present the two most prevalent isotopes expected from the waste stream (CH only). Insert radionuclide table from the AK Summary Report.

Include a brief discussion on payload management per the WIPP-WAC, Appendix E.

Source Documents

Insert reference list from AK Summary Report.

Revision to the Waste Stream Profile Form Package

If a revision to the WSPF Package is needed, a revised WSPF is created. Reasons for revising the WSPF Package include:

- Addition of EPA HWNs
- Application of additional TRUCON Content codes
- Revising AK Summary Report due to increased waste stream volume
- Addition of material parameter weight estimates per unit of waste

Attachment 3 – CCP Characterization Information Summary Cover Page (Example)

Waste Stream: #: _____ Lot #: _____

AK Expert Review: _____ Date: _____

SPM Review: _____ Date: _____

SPM signature certifies that through Acceptable Knowledge testing and/or analysis that the waste identified in this summary is not corrosive, ignitable, reactive, or incompatible with the TSDF.

A summary of the Acceptable Knowledge regarding this waste stream containing specific information about the corrosivity, reactivity, and ignitability of the waste stream is included as an attachment to the Waste Stream Profile Form. By reference, that information is included in this lot.

List of procedures used:

Controlled Copy

Attachment 4 – CCP Correlation of Container Identification Number to Batch Data Report Numbers (Example)

Waste Stream #: ______________________________ Lot #: __________

Container ID Number	Headspace Gas BDR	NDA BDR	RTR BDR	VE BDR	Solids Sampling BDR	Solids Analytical BDR	Payload Management/ Overpack Yes

_______________________________ _______________________________ _______________
Signature of Site Project Manager Printed Name Date

Attachment 5 – CCP Headspace Gas Summary Data (Example)

Waste Stream Number _____ Lot Number (s) _____

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☐ No ☐			
If no, describe the basis for assigning the EPA Hazardous Waste Numbers:			

SPM Signature _____ Date _____

Attachment 6 – CCP Solid VOCs Summary Data (Example)

Waste Stream Number: _____ Lot Number (s) _____

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected
Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☐ No ☐			
If no, describe the basis for assigning the EPA Hazardous Waste Numbers:			

SPM Signature _____ Date _____

Attachment 7 – CCP Solids SVOCs Summary Data (Example)

Waste Stream Number: _____ Lot Number (s) _____

Tentatively Identified Compound	Maximum Observed Estimated Concentrations (ppmv)	# Samples Containing TIC	% Detected

Data Supports EPA Hazardous Waste Numbers Assigned by AK? Yes ☐ No ☐

If no, describe the basis for assigning the EPA Hazardous Waste Numbers:

SPM Signature _____ Date _____

Attachment 8 – CCP RTR/VE Summary of Prohibited Items (Example)

CCP RTR/VE Summary of Prohibited Items

Waste Stream Number: _____ Lot(s)#: _____

Container Number	RTR Prohibited Items [a,b]	Visual Examination Prohibited Items [a,b]

a. See Batch Data Reports
b. If AK has assigned U134 to this waste stream, then any liquids in these containers are prohibited items (not acceptable by the TSDF)

Justification for the selection of RTR and/or VE:

_____

Site Project Manager Signature Printed Name Date

Obsolete

CCP-TP-003

Revision 19

CCP
Data Analysis for S3000, S4000, and S5000 Characterization

EFFECTIVE DATE: 11/02/2012

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

Obsolete

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
4	01/17/2002	Added trans-1,2-Dichloroethylene to Attachment 2.
5	03/18/2002	Changed the word “normally” to “normality” in 4.2.6 note.
6	03/20/2002	Changed methyl chloride to methylene chloride in Attachment 2.
7	06/03/2002	Numerous changes throughout the procedure.
8	08/23/2002	Deleted last sentence of note above step 4.9.3.
9	10/10/2002	Deleted Waste Stream Lot Determination Memorandums as a record since no longer used. Made minor revisions to Attachments 3, 4, 5, and 6.
10	12/04/2002	Revised to address the UCL_{90} statistics and the normalization of data.
11	01/20/2003	Update steps 4.3.2[C], 4.3.4, and Attachment 5.
12	01/25/2003	Updated NOTE above 1.1 and step 1.1
13	06/28/2003	Updated to include solids information. Separated electronically fillable forms and updated references in procedure.
14	09/03/2003	Revised to update cross reference in step 4.1.2[F]. Revised sections 4.1 and 4.3. Revised step 4.1.2[I and J], and added section [K].
15	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
16	10/02/2007	Revised equations above Steps 4.1.2 [C] and 4.2.2 [C], changed TIC reporting requirements to be consistent with the Waste Isolation Pilot Plant Hazardous Waste Facility Permit (HWFP), Waste Analysis Plan (WAP), and minor editorial changes. Revised to incorporate statistical terminology and text changes included in September 2007 Class 1 HWFP Notifications.
17	11/09/2009	Revised to delete a reference that is no longer applicable and add the new reference. Also to update attachments and correct editorial errors.
18	12/29/2010	Revised to implement the revision of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
19	11/02/2012	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 5

3.0 RESPONSIBILITIES 6
3.1 Site Project Manager (SPM) 6

4.0 PROCEDURE 7
4.1 Determination of Adequate Sample Size for Solids Samples 8
4.2 Determination of Adequate Sample Size for HSG Samples 15
4.3 TIC Evaluation 21
4.4 HSG Summary Data Report 24
4.5 Solids Summary Data Report 24

5.0 RECORDS 25

LIST OF TABLES

Table 1 – *t* Distribution for the 90th Percentile 27

LIST OF ATTACHMENTS

Attachment 1 – CCP Correlation of Container ID Numbers to Headspace Gas Sample ID Numbers (EXAMPLE) 28
Attachment 2 – CCP Correlation of Container ID Numbers to Solids Sample ID Numbers (EXAMPLE) 29
Attachment 3 – CCP Headspace Gas UCL_{90} Evaluation Form (EXAMPLE) 30
Attachment 4 – CCP Solids Analysis VOC UCL_{90} Evaluation Form (EXAMPLE) 32
Attachment 5 – CCP Solids Analysis SVOC UCL_{90} Evaluation Form (EXAMPLE) 34
Attachment 6 – CCP Solids Analysis Metals UCL_{90} Evaluation Form (EXAMPLE) 35
Attachment 7 – CCP Data Evaluation Narrative (EXAMPLE) 36
Attachment 8 – CCP Waste Stream Headspace Gas Tentatively Identified Compounds (EXAMPLE) 37
Attachment 9 – CCP Waste Stream Solids Tentatively Identified Compounds (EXAMPLE) 38
Attachment 10 – CCP Waste Stream Headspace Gas Tentatively Identified Compounds (Cumulative) (EXAMPLE) 39
Attachment 11 – CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative) (EXAMPLE) 40
Attachment 12 – CCP Site Project Manager Data Evaluation Narrative (EXAMPLE) 41

Obsolete

1.0 PURPOSE

This procedure describes actions for the Central Characterization Program (CCP) to evaluate data on transuranic (TRU) waste streams destined for disposal at the Waste Isolation Pilot Plant (WIPP). Compliance with this procedure ensures that sufficient data of acceptable quality and quantity has been collected to meet applicable requirements from CCP-PO-001, *CCP Quality Assurance Project Plan*, Sections C2-1 and C3-1.

The Headspace Gas Summary Data Report and Solids Summary Data Report (if applicable) developed by this procedure is/are required before assembly of a Waste Stream Profile Form (WSPF) (see CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*).

1.1 Scope

This procedure applies to S3000 homogeneous solids, and S4000 soil/gravel TRU waste streams that require solids sampling and analysis; and S5000 debris TRU waste streams that require headspace gas (HSG) sampling and analysis for disposal at the WIPP. This procedure will be implemented for each sampling activity within a waste stream.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*

Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
- CCP-TP-005, *CCP Acceptable Knowledge Documentation*
- CCP-TP-162, *CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis*

Obsolete

- Clarification Number CAO-00-065, *Determination of Tentatively Identified Compounds (TICS)*

- Title 20 *New Mexico Administrative Code* (NMAC), Chapter 4, *Hazardous Waste,* Part I, *Hazardous Waste Management,* Section 200, *Adoption of 40 CFR Part 261*

- Title 40 *Code of Federal Regulations* (CFR), *Protection of the Environment,* Chapter 1, *Environmental Protection Agency,* Subchapter 1, *Solid Wastes,* Part 261, *Identification and Listing of Hazardous Waste,* Appendix VIII, *Hazardous Constituents*

- Title 40 CFR, Chapter 1, Subchapter I, Part 261, Subpart C, *Characteristics of Hazardous Waste* §261.24, *Toxicity Characteristic*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

Obsolete

3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Oversees all program activities within CCP including the following responsibilities associated with process control:

[A] Provides data to support the calculations for each evaluation.

[B] Assigns U.S. Environmental Protection Agency (EPA) Hazardous Waste Numbers based on analysis results.

[C] Assigns Tentatively Identified Compounds (TICs) to the target analyte list.

[D] Calculates the number of samples required for HSG sampling, and analysis of S5000 and solids analysis of S3000 and S4000 waste streams.

3.1.2 Uses data from HSG analysis and solids sampling Batch Data Reports (BDRs) to:

[A] Determine and document the Upper 90 Percent Confidence Level (UCL_{90}) for the mean concentration and associated statistics for each waste constituent and waste stream.

[B] Use the UCL_{90} to assign EPA Hazardous Waste Numbers to containers.

Obsolete

4.0 PROCEDURE

NOTE
Steps may be performed concurrently at SPM discretion.

NOTE
Initial and Subsequent Waste Stream Lot Size Determination

The number of containers in any waste stream lot is not a fixed quantity and may vary as determined by the SPM. Prior to initial submittal of a WSPF, the SPM must perform reconciliation with Data Quality Objectives (DQOs) as directed in CCP-TP-002. This activity assures that data of sufficient quantity and quality have been acquired and evaluated to characterize the initial waste stream lot. This procedure will be implemented for each sampling activity within a waste stream.

UCL_{90} and TIC Determinations and Evaluation for Initial Waste Stream Lots

UCL_{90} and TIC determinations and evaluations will be performed using HSG (S5000 debris TRU waste streams) and solids sampling (S3000 homogeneous solids and S4000 soil/gravel TRU waste streams) analysis data from the required number of containers randomly selected from the waste stream lot. If the SPM determines that additional EPA Hazardous Waste Numbers must be added to the WSPF in addition to those determined by Acceptable Knowledge (AK), or that TICs must be added to the target analyte list, then the new EPA Hazardous Waste Numbers or additional target analytes will be applicable to all subsequent containers of the waste stream.

UCL_{90} and TIC Determinations and Evaluation for Subsequent Waste Stream Lots

After characterization and approval of a WSPF for the waste stream lot, waste containers will continue to be characterized in waste stream lots. UCL_{90} and TIC determinations and evaluations will be performed on a running total basis. That is, using HSG and solids sampling analysis data from all randomly selected containers characterized to date prior to a planned shipment including those in the current waste stream lot as well as any previously characterized waste stream lots. If after the evaluation, the SPM determines that additional EPA Hazardous Waste Numbers must be added to the WSPF, or that TICs must be added to the target analyte list, the new EPA Hazardous Waste Numbers or additional target analytes will be applicable to all subsequent containers of the waste stream.

Obsolete

4.1 Determination of Adequate Sample Size for Solids Samples

NOTE

The method used to collect samples of TRU mixed waste, classified as S3000 and S4000 waste streams, from waste containers shall be such that the samples are representative of the waste from which they are taken. A sufficient number of samples shall be collected to adequately represent waste being sampled. A statistically selected portion of each S3000 and S4000 waste stream is sampled and analyzed for Resource Conservation and Recovery Act (RCRA)-regulated total volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals.

NOTE

The analytical results for retrievably stored S3000 and S4000 waste streams are used for assigning the EPA Hazardous Waste D-numbers that apply to each mixed waste stream. The RCRA-toxicity determination may be made on the basis of sampling and analysis of waste streams and on whether or not the waste stream includes F-number wastes. If a waste stream includes one or more RCRA F-numbers identified via AK, toxicity characteristic contaminants associated with the F-number waste(s) are not included in the RCRA-toxicity characteristic determination. Therefore, toxicity characteristic contaminants associated with F-number(s) for a waste stream shall be omitted from all calculations for determining the number of containers to sample because these waste streams are assumed to be hazardous. In addition, each toxicity characteristic contaminant associated with the F-number(s) shall be excluded from evaluation of analytical results to determine D-number. Contaminants of interest for the sampling, analysis, and RCRA-toxicity determination of a waste stream, then, exclude contaminants associated with F-numbers that have been assigned to the waste stream.

4.1.1 Obtain the analytical results of the sample set selected by CCP-TP-162, *CCP Random Selection of Containers of Solids and Headspace Gas Sampling and Analysis* as follows:

[A] Obtain a copy of the Random Solids Sample Selection Memorandum from CCP Records.

[B] Obtain, from CCP Records, a copy of the solids analytical BDR(s) that correspond to the container numbers from the Random Solids Sample Selection Memorandum.

[C] Confirm that the identified containers have successfully passed the project level validation and verification.

[D] From the BDR(s), obtain the analytical results for the containers identified in step 4.1.1[A].

Obsolete

4.1.2 For each chemical contaminant of concern, determine the mean and standard deviation (preliminary estimates) from the results using the following steps:

[A] Input the solid sample results into the Solid Analysis Evaluation Spreadsheet.

NOTE

The mean and variance (squared standard deviation) equations are:

$$\bar{x} = \frac{1}{n}\sum_{i=1}^{n} x_i$$

$$s^2 = \frac{1}{n-1}\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2$$

Where:

$\bar{x}$ = the calculated mean

s^2 = the calculated concentration variance

n = number of samples analyzed

x_i = concentration determined in the *ith* sample

i = an index from 1 to *n*.

$$n = \frac{t^2_{a,n_o-1}s^2}{(RT - \bar{x})^2}$$

Where:

n_o = the initial number of samples used to calculate the preliminary estimates

n = the calculated minimum number of required samples

$\bar{x}$ = the calculated mean

s^2 = the calculated concentration variance

$t_{\alpha, n_0 - 1}$ = the 90th percentile for the *t* distribution with n_0-1 degrees of freedom

RT = Regulatory Threshold of the contaminate (toxicity characteristic [TC] limit for toxicity characteristic wastes, Program Required Quantitation Limit [PRQL] for listed wastes)

Obsolete

[B] Based upon the preliminary estimates of $\bar{x}$ and s^2 for each chemical contaminant of concern, estimate the appropriate number of samples (n) to be collected for each contaminant using the Solids Analysis Evaluation Spreadsheet.

NOTE

The number of samples to be collected will be based upon the largest number calculated for each of the contaminants of interest. The actual number of samples collected shall be adjusted, as necessary, to ensure that an adequate number of samples are collected to allow for acceptable levels of completeness.

Non-integer results of calculations for required sample size should be rounded up to the next integer. A minimum of five containers shall be sampled and analyzed in each waste stream. If there are fewer containers than the minimum or required number of samples in a waste stream, one or more randomly-selected containers shall be sampled more than once to obtain the number of needed samples of waste. Otherwise, any one container may be selected for sampling only once.

Waste containers from the preliminary mean and variance estimates may be counted as part of the total number of calculated required samples, if, and only if, the requirements specified in CCP-PO-001, Section C2-1a, are satisfied. The CCP may count waste container samples from the preliminary mean and variance estimates as part of the total number of calculated required samples if and only if:

- There is documented evidence that the waste containers for the preliminary estimate samples were selected in the same random manner as is chosen for the required samples.
- There is documented evidence that the method of sample collection in the preliminary estimate samples were identical to the methodology to be employed for the required samples.
- There is documented evidence that the method of sample analysis in the preliminary estimate samples was identical to the analytical methodology employed for the required samples.
- There is documented evidence that the validation of the sample analyses, in the preliminary estimate samples, was comparable to the validation employed for the required samples. In addition, the validated sample results indicate that all sample results were valid according to the analytical methodology.

Obsolete

NOTE

To calculate the percent difference of *n* use the following formula:

$$\% \text{ Difference} = \left(\frac{n_{VOC_i} - n_{VOC_{i-1}}}{n_{VOC_{i-1}}} \right) * 100$$

Where:

n_{VOC_i} = The determination of n_{VOC_i} is an iterative process that continues until the difference between n_{VOC_i} and the previous sample determination is less than 20 percent difference.

[C] Calculate the percent difference between the required number of samples estimated in step 4.1.2[B] and the number of samples actually taken and analyzed.

[D] Based on the percent difference calculations,
IF the observed sample n estimate results in greater than 20 percent more required samples than were originally calculated,
THEN:

- Direct additional samples be taken as required to ensure that the cumulative total number of samples for each analyte equals or exceeds the number estimated in step 4.1.2[B].

- Using the analysis results for the combined sample set, reperform steps 4.1.2[A] through 4.1.2[D].

Obsolete

4.1.3 Upper Confidence Limit Determination for Solids Analysis

NOTE

Normality testing should not be performed using analyte concentrations reported as Minimum Detection Limit (MDL) as identified by a U flag. These should be included in the calculations for UCL_{90} as ½ the reported MDL. Subsequent lots will be added to the UCL_{90} data set as the waste stream is characterized until characterization is complete for the entire waste stream.

NOTE

If for any container the sample was diluted for analysis and the constituent concentration is reported as not detected (U flag), the result is omitted from the distribution tests and subsequent analyses when the sample minimum detectable limit is greater than the PRQL.

[A] Using the Solids Analysis Evaluation Spreadsheet, determine, **AND** record on the appropriate form, Attachment 4, CCP Solids Analysis VOC UCL_{90} Evaluation Form, Attachment 5, CCP Solids Analysis SVOCs UCL_{90} Evaluation Form or Attachment 6, CCP Solids Analysis Metals UCL_{90} Evaluation Form, the following items:

- Number of Samples,
- Number of Samples above MDL,
- Maximum (mg [milligram]/kg [kilogram]) for each target analyte,
- Mean (mg/kg) for each target analyte,
- Standard Deviation (mg/kg) for each target analyte, and
- Additional target analyte compounds (as applicable).

Obsolete

NOTE

For any normality test performed, the probability of a Type I error, α, should not exceed 10 percent.

NOTE

To determine data or transform that is closest to normal for data sets greater than 200, the form with the smallest D value under the Kolmogorov-Smirnov test for normality should be used. For data sets less than or equal to 200, the form with the largest W value under the Shapiro-Wilk test for normality should be used.

NOTE

If transformation of the data is required to achieve normality, the EPA Solid Waste and Sample Plan guidance may be used.

[B] **WHEN** sufficient data has been collected,
THEN perform test(s) for normality on the data.

[C] Use the data or transform that is closest to normal on the Solids Analysis Evaluation Spreadsheet to determine the UCL_{90} for the mean concentration and associated statistics of each VOC, SVOC, and Metals detected in container solid sample for each waste stream or waste stream lot.

NOTE

The formula for calculating UCL_{90} is:

$$UCL_{90} = \bar{x} + \frac{t_{\alpha,n-1}s}{\sqrt{n}}$$

Where:

$\bar{x}$	=	the calculated sample mean
n	=	the number of samples
$t_{\alpha, n_0 - 1}$	=	the 90th percentile for the *t* distribution with n_0-1 degrees of freedom
s	=	the calculated sample standard deviation

NOTE

If transformations were performed on the data, comparisons must be made using the corresponding transformed values for PRQLs.

[D] Record the required UCL_{90} (mg/kg) data on the appropriate UCL_{90} Evaluation Form (Attachment 4, Attachment 5, and Attachment 6, as necessary).

Obsolete

[E] Compare the UCL_{90} for the mean concentration and PRQL (or transformed PRQL) for each constituent.

[F] Mark YES in the appropriate column on Attachments 4, 5, or 6 for any constituent where the UCL_{90} exceeds the PRQL.

[G] Enter the EPA Hazardous Waste Number for the analyte found for each entry where the UCL_{90} result exceeds the PRQL.

[G.1] **WHEN** there is NO associated EPA Hazardous Waste Number **OR** an EPA Hazardous Waste Number is inappropriate,
THEN explain with a note on Attachments 4, 5, or 6.

[H] Document and provide data analysis methodology and results on Attachment 7, CCP Data Evaluation Narrative.

[H.1] The Data Evaluation Narrative may include the following information (where applicable):

- WSPF Number
- Distribution test(s) used
- Distribution (normality) test result(s)
- Transformation(s), if any, applied to the data to achieve normality
- Comparison of transformed data results to PRQL, where applicable
- How non-detectable measurements are incorporated in the data set
- Proportion of non-detectable measurements
- Non-detectable measurements omitted for dilution reasons

[I] Cross-reference Container Identification (ID) Numbers, Solids Sample ID Numbers, and BDR Numbers by completing Attachment 2, CCP Correlation of Container ID Numbers to Solids Sample ID Numbers.

[J] Repeat step 4.1.3 each time additional sample results are available.

Obsolete

[K] Print name, sign, and date Attachment 2.

NOTE
Upon collection and analysis of the preliminary samples, or at any time after the preliminary samples have been analyzed, the generator/storage site may assign EPA Hazardous Waste Numbers to a waste stream. For waste streams with the calculated upper confidence limits below the regulatory threshold, the generator/storage site shall collect the required number of samples if the generator/storage site intends to establish the constituent is below the regulatory threshold.

4.2 Determination of Adequate Sample Size for HSG Samples

4.2.1 Obtain the analytical results of the sample set selected by CCP-TP-162 as follows:

[A] Obtain a copy of the Random Headspace Gas Sample Selection Memorandum from CCP Records.

[B] Obtain, from CCP Records, a copy of the HSG analytical BDR(s) that corresponds to the container numbers from the Random Headspace Gas Sample Selection Memorandum.

[C] Confirm that the identified containers have successfully passed the project level validation and verification.

[D] From the BDR(s), obtain the analytical results for the containers identified in step 4.2.1[A].

4.2.2 For each chemical contaminant of concern, determine the mean and standard deviation (preliminary estimates) from the results using the following steps:

[A] Input the HSG sample results into the Headspace Gas Evaluation Spreadsheet.

Obsolete

NOTE

The mean and standard deviation equations are:

$$\bar{x} = \frac{1}{n}\sum_{i=1}^{n} x_i$$

$$s^2 = \frac{1}{n-1}\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2$$

Where:

$\bar{x}$ = the calculated sample mean

s^2 = the calculated concentration sample variance

n = number of samples analyzed

x_i = concentration determined in the ith sample

i = an index from 1 to n

$$n_{VOC_i} = \frac{t^2{}_{\alpha,n-1} s^2{}_{e_{VOC_i}}}{E^2{}_{VOC_i}}$$

Where:

n_{VOC_i} = the number of samples needed to representatively sample the waste stream for the VOC_i

$t_{\alpha, n_0 - 1}$ = the 90th percentile for the t distribution with n_0-1 degrees of freedom (See Table 1, t Distribution for the 90th Percentile).

$s_{e_{VOC_i}}$ = the estimated standard deviation, based on the initial n samples for VOC_i

E_{VOC_i} = the allowable error determined as 1 percent of the limiting concentration for VOC_i

[B] Based upon the preliminary estimates of $\bar{x}$ and s^2 for each chemical contaminant of concern, estimate the appropriate number of samples (n_{VOC_i}) to be collected for each contaminant using the Headspace Gas Evaluation Spreadsheet.

Obsolete

NOTE

The number of samples to be collected will be based upon the largest number calculated for each of the contaminants of interest.

Non-integer results of calculations for the required sample size should be rounded up to the nearest integer. A minimum of 10 containers shall be sampled and analyzed in each waste stream. If there is fewer than the minimum or required number of containers in a waste stream, then each container should be sampled once.

Waste containers from the preliminary mean and variance estimates may be counted as part of the total number of calculated required samples, if, and only if, the requirements specified in the CCP-PO-001, Section C2-1b, are satisfied. The CCP may count waste container samples from the preliminary mean and variance estimates as part of the total number of calculated required samples if and only if:

- There is documented evidence that the waste containers for the preliminary estimate samples were selected in the same random manner as is chosen for the required samples
- There is documented evidence that the method of sample collection in the preliminary estimate samples were identical to the methodology to be employed for the required samples
- There is documented evidence that the method of sample analysis in the preliminary estimate samples was identical to the analytical methodology employed for the required samples
- There is documented evidence that the validation of the sample analyses, in the preliminary estimate samples, was comparable to the validation employed for the required samples. In addition, the validated sample results indicate that all sample results were valid according to the analytical methodology

NOTE

To calculate the percent difference of n, use the following formula:

$$\% \text{ Difference} = \left(\frac{n_{VOC_i} - n_{VOC_{i-1}}}{n_{VOC_{i-1}}} \right) * 100$$

Where:

n_{VOC_i} = the determination of n_{VOC_i} is an iterative process that continues until the difference between n_{VOC_i} and the previous sample determination is less than 20 percent difference.

Obsolete

[C] Calculate the percent difference between the required number of samples estimated in step 4.2.2[B] and the number of samples actually taken and analyzed.

[D] Based on the percent difference calculations,
IF the observed sample n_{VOC_i} estimate results in greater than 20 percent more required samples than were originally calculated,
THEN:

- Direct additional samples be taken as required to ensure that the cumulative total number of samples for each analyte equals or exceeds the number estimated in step 4.2.2[B].

- Using the analysis results for the combined sample set, reperform steps 4.2.2[A] through [D].

4.2.3 Calculating UCL_{90} for Headspace Gas

NOTE

Normality testing should not be performed using analyte concentrations reported as MDL as identified by a U flag. These should be included in the calculations for UCL_{90} as ½ the reported MDL. Subsequent lots will be added to the UCL_{90} data set as the waste stream is characterized until characterization is complete for the entire waste stream.

NOTE

If for any container the sample was diluted for analysis and the constituent concentration is reported as not detected (U flag), the result is omitted from the distribution tests and subsequent analyses when the sample MDL is greater than the PRQL.

[A] Using the Headspace Gas Evaluation Spreadsheet, determine and record on Attachment 3, CCP Headspace Gas UCL_{90} Evaluation Form, the following items:

- WSPF Number,

- Number of Samples,

- Number of Samples above MDL,

- Maximum (parts per millions volume [ppmv]) for each target analyte,

- Mean (ppmv) for each target analyte,

Obsolete

- Standard deviation (ppmv) for each target analyte, and
- Additional target analyte compounds (as applicable).

NOTE

For any normality test performed, the probability of a Type I error, α, should not exceed 10 percent.

NOTE

To determine data or transform that is closest to normal for data sets greater than 200, the form with the smallest D value under the Kolmogorov-Smirnov test for normality should be used. For data sets less than or equal to 200 the form with the largest W value under the Shapiro-Wilk test for normality should be used.

NOTE

If transformation of the data is required to achieve normality, the EPA Solid Waste and Sample Plan guidance may be used.

[B] **WHEN** sufficient data has been collected (i.e., a waste lot is complete [a defined group bounding the random selection]), **THEN** perform test(s) for normality on the data.

[C] Use the data or transform that is closest to normal on the Headspace Gas Evaluation Spreadsheet to determine the UCL_{90} for the mean concentration and associated statistics of each VOC detected in the container HSG for each waste stream or waste stream lot.

NOTE

The formula for calculating UCL_{90} is:

$$UCL_{90} = \bar{x} + \frac{t_{\alpha,n-1}s}{\sqrt{n}}$$

Where:

$\bar{x}$	=	the calculated sample mean
n	=	the number of samples
$t_{\alpha, n_0 - 1}$	=	the 90th percentile for the t distribution with n_0-1 degrees of freedom
s	=	the calculated sample standard deviation

NOTE

If transformations were performed on the data, comparisons must be made using the corresponding transformed values for PRQLs.

[D] Record the required UCL_{90} (ppmv) data on Attachment 3.

Obsolete

[E] Compare the UCL_{90} for the mean concentration and PRQL, (or transformed PRQL) for each constituent.

[F] Mark YES in the appropriate column on Attachment 3 for any constituent where the UCL_{90} exceeds the PRQL.

[G] Enter the EPA Hazardous Waste Number for the analyte found for each entry where the UCL_{90} result exceeds the PRQL.

[G.1] **WHEN** there is NO associated EPA Hazardous Waste Number **OR** an EPA Hazardous Waste Number is inappropriate,
THEN explain with a note on Attachment 3.

[H] Document and provide data analysis methodology and results on Attachment 7.

[H.1] The Data Evaluation Narrative may include the following information (where applicable):

- WSPF Number
- Distribution test(s) used
- Distribution (normality) test result(s)
- Transformation(s), if any, applied to the data to achieve normality
- Comparison of transformed data results to PRQL, where applicable
- How non-detectable measurements are incorporated in the data set
- Proportion of non-detectable measurements
- Non-detectable measurements omitted for dilution reasons

[I] Cross-reference Container ID Numbers, HSG Sample ID Numbers, and BDR Numbers by completing Attachment 1, CCP Correlation of Container ID Numbers to Headspace Gas Sample ID Number.

[J] Print name, sign, and date Attachment 1.

Obsolete

4.3 TIC Evaluation

4.3.1 Evaluate the data for HSG or solids (separately), **AND** perform the following:

[A] Document the WSPF # and number of samples on Attachment 8, CCP Waste Stream Headspace Gas Tentatively Identified Compounds, or Attachment 9, CCP Waste Stream Solids Tentatively Identified Compounds.

[B] **IF** TICs were identified in this waste stream, **THEN** document TICs, Chemical Abstract Service (CAS) Number, and Number of Samples containing that TIC on the appropriate form, Attachment 8, or Attachment 9.

[C] Record "Yes" or "No" in the appropriate column on Attachment 8 or Attachment 9, depending on the sample matrix, whether the TICs appear in Title 20 New Mexico Administrative Code (NMAC), Chapter 4, Hazardous Waste, Part I, Hazardous Waste Management, Section 200, Adoption of 40 CFR Part 261 (incorporating Title 40 Code of Federal Regulations [CFR], Protection of the Environment, Chapter 1, Environmental Protection Agency, Subchapter 1, Solid Wastes, Part 261, *Identification and Listing of Hazardous Waste*, Appendix VIII, Hazardous Constituents) by comparing CAS numbers.

4.3.2 Obtain a copy of the completed Attachment 10, CCP Waste Stream Headspace Gas Tentatively Identified Compounds (Cumulative), or Attachment 11, CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative), from the last sampling activity reviewed from CCP Records, **AND** record the following on current Attachment 10 or Attachment 11 to create accumulative list of TICs in the waste stream:

NOTE

When the evaluation is the first in the waste stream, the information from Attachment 8 or Attachment 9 must be transferred to either Attachment 10 or Attachment 11.

[A] Update the Total number of samples evaluated to date in the waste stream on Attachment 10 or Attachment 11, by adding the Number of Samples on Attachment 8 or Attachment 9 to the total number on the previous Attachment 10 or Attachment 11.

[B] Copy the list of TICs and CAS Numbers from the last sampling activity evaluated, to Columns 1 and 2 of the new Attachment 10 or Attachment 11.

Obsolete

[C] Total the number of samples containing the TICs by adding the number for each individual TIC (Column 4) from the previous Attachment 10 or Attachment 11 and the number for any additional TICs (third column) from the current evaluation Attachment 8 or Attachment 9 creating the new cumulative number.

[D] Copy any new TICs (CAS number and total number of samples containing the TIC) identified in the waste stream TIC evaluation (Attachment 8 or Attachment 9) to Attachment 10 or Attachment 11, Columns 1, 2, and 4.

4.3.3 Calculate, **AND** document on Attachment 10 or Attachment 11, on an individual TIC basis, the percent of samples in the waste stream that contain the TIC.

[A] Divide the number of samples reporting the TIC from Column 4 by the total number of samples evaluated to date.

[B] Multiply by 100 to obtain the percent and record in Column 5 of Attachment 10 or Attachment 11.

4.3.4 Mark the maximum observed concentration for the TIC in Column 3 on Attachment 10 or Attachment 11.

4.3.5 Mark Yes in Column 6 on Attachment 10 or Attachment 11, those TICs that appear in 25 percent or greater of the samples in the waste stream.

4.3.6 Review Attachment 8, Attachment 9, Attachment 10, and/or Attachment 11.

4.3.7 **IF** TICs were detected in greater than or equal to 25 percent of all samples from the waste stream, and the TICs appear in the Title 20 NMAC, Chapter 4, Part I, Section 200 (incorporating Title 40 CFR, Chapter 1, Subchapter 1, Part 261, Appendix VIII),
THEN instruct the AK Expert (AKE) to perform a re-evaluation of AK in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* to determine whether the TIC can be attributed to waste packaging materials, radiolysis, or other origins.

Obsolete

4.3.8 **IF** (after the re-evaluation of AK) an F-Listed waste constituent TIC can **NOT** be attributed to waste packaging materials, radiolysis, or other origins,

OR

IF the TIC subject to inclusion on the target analyte list exhibits a toxicity characteristic (i.e., those compounds shown in 40 CFR, Chapter 1, Subchapter I, Part 261, Subpart C, Characteristics of Hazardous Waste § 261.24, Toxicity Characteristic as D EPA Hazardous Waste Number),
THEN add the TIC to the target analyte list regardless of the origin since the hazardous waste designation for D codes is not based on source or use.

[A] Issue a memorandum for addition of TICs to target analyte list, directing the HSG and solids analysis personnel (depending on analysis performed) to add the constituent to the target analyte list.

[B] Assign a PRQL as follows:

[B.1] Include the Waste Stream Identification Number and the analytes that will be listed on the new target analyte list.

[B.2] PRQL for Solids: Use 40 parts per million (ppm) for solids without a toxicity characteristic limit (in accordance with Clarification Number CAO-00-065, *Determination of Tentatively Identified Compounds* ([*TICS*]).

[B.3] For Gases: Use 100 ppm for the PRQL for alcohols and ketones, and use 10 ppm for the PRQL for all others.

[C] Submit a copy of the memorandum to CCP Records in accordance with CCP-QP-008, *CCP Records Management*.

[D] Request AKE to revise the respective AK Summary Report to add the new EPA Hazardous Waste Number(s) to the waste stream as appropriate.

[E] Send a copy of the memorandum and the revised target analyte list to the Carlsbad Field Office (CBFO) and the WIPP Waste Information System (WWIS)/Waste Data System (WDS).

Obsolete

4.3.9 **IF** changes to EPA Hazardous Waste Numbers are required as a result of subsequent sampling,
THEN notify the CBFO, **AND** suspend shipments of the affected waste stream until the CBFO approves revised WSPF for the affected waste stream.

4.3.10 Complete a new WSPF in accordance with CCP-TP-002.

4.3.11 Document results on Attachment 12, Site Project Manager Data Evaluation Narrative.

[A] Print name, sign, and date Attachment 12.

4.4 HSG Summary Data Report

4.4.1 Assemble the completed Attachment 1, Attachment 3, Attachment 7, Attachment 8, Attachment 10, and Attachment 12.

4.4.2 Paginate the HSG Summary Data Report.

4.4.3 Add a table of contents to the HSG Summary Data Report.

4.4.4 Transmit the Headspace Gas Summary Data Report as a memorandum to CCP Records in accordance with CCP-QP-008.

4.5 Solids Summary Data Report

4.5.1 Assemble the completed Attachment 2, Attachment 4, Attachment 5, Attachment 6, Attachment 7, Attachment 9, Attachment 11 and Attachment 12.

4.5.2 Paginate the Solids Summary Data Report.

4.5.3 Add a table of contents to the Solids Summary Data Report.

4.5.4 Transmit the Solids Summary Data Report as a memorandum to CCP Records in accordance with CCP-QP-008.

Obsolete

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Headspace Gas Summary Data Report:

[A.1] Attachment 1, CCP Correlation of Container ID Numbers to Headspace Gas Sample ID Number

[A.2] Attachment 3, CCP Headspace Gas UCL_{90} Evaluation Form

[A.3] Attachment 7, CCP Data Evaluation Narrative

[A.4] Attachment 8, CCP Waste Stream Headspace Gas Tentatively Identified Compounds

[A.5] Attachment 10, CCP Waste Stream Headspace Gas Tentatively Identified Compounds (Cumulative)

[A.6] Attachment 12, CCP Site Project Manager Data Evaluation Narrative

[B] Solids Summary Data Report:

[B.1] Attachment 2, CCP Correlation of Container ID Numbers to Solids Sample ID Numbers

[B.2] Attachment 4, CCP Solids Analysis VOC UCL_{90} Evaluation Form

[B.3] Attachment 5, CCP Solids Analysis SVOC UCL_{90} Evaluation Form

[B.4] Attachment 6, CCP Solids Analysis Metals UCL_{90} Evaluation Form

[B.5] Attachment 7, CCP Data Evaluation Narrative

[B.6] Attachment 9, CCP Waste Stream Solids Tentatively Identified Compounds

Obsolete

[B.7] Attachment 11, CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative)

[B.8] Attachment 12, CCP Site Project Manager Data Evaluation Narrative

5.1.2 QA/Nonpermanent

[A] Memorandum directing HSG and/or solids personnel to add constituent(s) to the target analyte list.

Obsolete

Table 1 – *t* Distribution for the 90th Percentile

Degrees of Freedom (n_o-1)	*t* Value
1	3.078
2	1.886
3	1.638
4	1.533
5	1.476
6	1.440
7	1.415
8	1.397
9	1.383
10	1.372
11	1.363
12	1.356
13	1.350
14	1.345
15	1.341
16	1.337
17	1.333
18	1.330
19	1.328
20	1.325
21	1.323
22	1.321
23	1.319
24	1.318
25	1.316
26	1.315
27	1.314
28	1.313
29	1.311
30	1.303
40	1.310
60	1.296
120	1.289
∞	1.282

Obsolete

Attachment 1 – CCP Correlation of Container ID Numbers to Headspace Gas Sample ID Numbers (EXAMPLE)

Page ____ of ____

WSPF Number:_____ Lot Number: _____

Container ID Number	HSG Sample ID Number	Headspace Gas BDR (Sample)	Headspace Gas BDR (Analysis)	

Use multiple copies of this attachment as necessary to document all containers discussed in this summary report. Record Waste Stream Profile Form Number and Waste Stream Lot Number on each sheet issued. Number each sheet in the space provided.

Site Project Manager (or designee):

Signature	Print Name	Date

Obsolete

Attachment 2 – CCP Correlation of Container ID Numbers to Solids Sample ID Numbers (EXAMPLE)

Page ____ of ____

WSPF Number: _____ Lot Number: _____

Container ID Number	Sample BDR	VOC Analysis BDR	VOC Analysis Sample ID	SVOC Analysis BDR	SVOC Analysis Sample ID	Non-Halogenated Analysis BDR VOCs	Sample ID Non-Halogenated VOCs	Metals Analysis BDR	Metals Analysis Sample ID

Use multiple copies of this attachment as necessary to document all containers discussed in this summary report. Record Waste Stream Profile Form Number and Waste Stream Lot Number on each sheet issued. Number each sheet in the space provided.

Site Project Manager (or designee):

Signature Print Name Date

Obsolete

Attachment 3 – CCP Headspace Gas UCL_{90} Evaluation Form (EXAMPLE)

Page ____ of ____

WSPF Number: _____ Lot Number: _____

ANALYTE	Transform Data Used (No, Data-Log, SQTI, other)	# Samples	# Samples above MDL	Maximum (ppmv)	Mean (ppmv)	Standard Deviation (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
Benzene								10			
Bromoform								10			
Carbon tetrachloride								10			
Chlorobenzene								10			
Chloroform								10			
Cyclohexane[a]											
1,1-Dichloroethane								10			
1,2-Dichloroethane								10			
1,1-Dichloroethylene								10			
trans-1,2-Dichloroethylene								10			
Ethyl benzene								10			
Ethyl ether								10			
Methylene chloride								10			
1,1,2,2-Tetrachloroethane								10			
Tetrachloroethylene								10			
Toluene								10			
1,1,1-Trichloroethane								10			
Trichloroethylene								10			
1,1,2-Trichloro-1,2,2-trifluoroethane								10			
1,2,4-Trimethylbenzene[a]								10			

Obsolete

Attachment 3 – CCP Headspace Gas UCL_{90} Evaluation Form (Continued) (EXAMPLE)

Page ____ of ____

WSPF Number: _____ Lot Number: _____

ANALYTE	Transform Data Used (No, Data-Log, SQTI, other)	# Samples	# Samples above MDL	Maximum (ppmv)	Mean (ppmv)	Standard Deviation (ppmv)	UCL_{90} (ppmv)	PRQL (ppmv)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
1,3,5-Trimethylbenzene[a]								10			
p/m-Xylene[b]								10			
o-Xylene								10			
Acetone								100			
Butanol								100			
Methanol								100			
Methyl ethyl ketone								100			
Methyl isobutyl ketone								100			

[a]These compounds are from CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)* and are flammable VOCs that do not appear in CCP-PO-001. These are not part of the target analyte list, but samples may be analyzed for these compounds.
[b]These xylene isomers cannot be resolved by the analytical methods employed in the CCP. M-xylene and p-xylene will be reported as Total m-p-Xylene.

Comments:

Printed name _____ Signature _____ Date _____

Obsolete

Attachment 4 – CCP Solids Analysis VOC UCL_{90} Evaluation Form (EXAMPLE)

Page ____ of ____

WSPF #_____ Lot Number: _____

ANALYTE	Transform Data Used (No. Data - Log, SQRT, other)	# Samples	# Samples above MDL	Maximum (mg/kg)	Mean (mg/kg)	SD (mg/kg)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
Benzene								10			
Bromoform								10			
Carbon disulfide								10			
Carbon tetrachloride								10			
Chlorobenzene								10			
Chloroform								10			
1,4-Dichlorobenzene [(c)]								10			
Ortho-Dichlorobenzene [(c)]								10			
1,2-Dichloroethane								10			
1,1-Dichloroethylene								10			
Trans-1,2-Dichloroethylene								10			
Ethyl benzene								10			
Methylene chloride								10			
1,1,2,2-Tetrachloroethane								10			
Tetrachloroethylene								10			
Toulene								10			
1,1,1,-Trichloroethane								10			
1,1,2,-Trichloroethane								10			
Trichoroethylene								10			
Trichlorofluoromethane								10			
1,1,2-Trichloro-1,2,2-trifluoroethane								10			
Vinyl chloride								4			
p/m-Xylene								10			

Obsolete

Attachment 4 – CCP Solids Analysis VOC UCL_{90} Evaluation Form (Continued) (EXAMPLE)

Page ____ of ____

WSPF #_____ Lot Number: _____

ANALYTE	Transform Data Used (No. Data - Log, SQRT, other)	# Samples	# Samples above MDL	Maximum (mg/kg)	Mean (mg/kg)	Standard Deviation (mg/kg)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
o-Xylene								10			
Acetone								100			
Butanol								100			
Ethyl ether								100			
Formaldehyde [(a)]								100			
Hydrazine [(b)]								100			
Isobutanol								100			
Methanol								100			
Methyl ethyl ketone								100			
Pyridine[(c)]								100			

(a) Required only for homogenous solids and soil/gravel waste from Savannah River Site.
(b) Required only for homogenous solids and soil/gravel waste from Oak Ridge National Laboratory and Savannah River Site.
(c) Can also be analyzed as an SVOC. If analyzed as an SVOC, the QAOs of CCP-PO-001, Table C3-6 apply.

Comments:

Printed name Signature Date

Obsolete

Attachment 5 – CCP Solids Analysis SVOC UCL_{90} Evaluation Form (EXAMPLE)

Page ____ of ____

WSPF #_____ Lot Number: _____

ANALYTE	Transform Data Used (No. Data Log, SQRT, other)	# Samples	# Samples above MDL	Maximum (mg/kg)	Mean (mg/kg)	Standard Deviation (mg/kg)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
2-Methylphenol (cresols)								40			
3&4-Methylphenol (cresols)								40			
1,4-Dichlorobenzene [(a)]								40			
Ortho-Dichlorobenzene [(a)]								40			
2,4-Dinitrophenol								40			
2,4-Dinitrotoluene								2.6			
Hexachlorobenzene								2.6			
Hexachloroethane								40			
Nitrobenzene								40			
Pentachlorophenol								40			
Pyridine[(a)]								40			

(a) Can also be analyzed as a VOC.

COMMENTS:

Printed name Signature Date

Obsolete

Attachment 6 – CCP Solids Analysis Metals UCL_{90} Evaluation Form (EXAMPLE)

Page ____ of ____

WSPF #_____ Lot Number: _____

ANALYTE	Transform Data Used (No. Data Log, SQRT, other)	# Samples	# Samples above MDL	Maximum (mg/kg)	Mean (mg/kg)	Standard Deviation (mg/kg)	UCL_{90} (mg/kg)	PRQL (mg/kg)	Transformed PRQL (N/A or Value)	UCL_{90} > PRQL Yes	EPA Hazardous Waste Number
Antimony								100			
Arsenic								100			
Barium								2000			
Berylium								100			
Cadmium								20			
Chromium								100			
Lead								100			
Mercury								4			
Nickel								100			
Selenium								20			
Silver								100			
Thallium								100			
Vanadium								100			
Zinc								100			

Comments:

_____ _____ _____

Printed name Signature Date

Obsolete

Attachment 7 – CCP Data Evaluation Narrative (EXAMPLE)

Page ____ of ____

WSPF Number: _____Lot Number: _____

Approved By:

_____ _____ _____
Signature Printed Name Date

Obsolete

Attachment 8 – CCP Waste Stream Headspace Gas Tentatively Identified Compounds (EXAMPLE)

Page ____ of ____

Tentatively Identified Compound (TICs)	Chemical Abstract Service (CAS) Number	Number of Samples Containing TIC

Approved By:

Signature Printed Name Date

Obsolete

Attachment 9 – CCP Waste Stream Solids Tentatively Identified Compounds (EXAMPLE)

Page ____ of ____

Tentatively Identified Compound (TICs)	Chemical Abstract Service (CAS) Number	Number of Samples Containing TIC

Approved By:

Signature Printed Name Date

Obsolete

Attachment 10 – CCP Waste Stream Headspace Gas Tentatively Identified Compounds (Cumulative) (EXAMPLE)

Page ____ of ____

WSPF Number:_____Lot Number(s):_____

Total number of samples evaluated to date in this waste stream: _____

The following TICs were detected during Headspace Gas analysis of this waste stream:

Tentatively Identified Compound	CAS Number	Maximum Observed Estimated Concentrations (ppmv)	Total Number of Samples Containing TIC	% TIC Detected in Waste Stream	Greater than 25% Yes

Approved by:

_____ _____ _____

Signature Printed Name Date

Obsolete

Attachment 11 – CCP Waste Stream Solids Tentatively Identified Compounds (Cumulative) (EXAMPLE)

Page ____ of ____

WSPF Number:_____Lot Number(s):_____

Total number of samples evaluated to date in this waste stream: _____

The following TICs were detected during Headspace Gas analysis of this waste stream:

Tentatively Identified Compound	CAS Number	Maximum Observed Estimated Concentrations (ppmv)	Total Number of Samples Containing TIC	% TIC Detected in Waste Stream	Greater than 25% Yes

Approved by:

_____ _____ _____

Signature Printed Name Date

Obsolete

Attachment 12 – CCP Site Project Manager Data Evaluation Narrative (EXAMPLE)

Page ____ of ____

WSPF Number: _____ Lot Number: _____

Approved By:

_____	_____	_____
Signature	Printed Name	Date

Controlled
Copy

CCP-TP-005

Revision 24

CCP
Acceptable Knowledge Documentation

EFFECTIVE DATE: 11/28/2011

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
4	01/17/2002	Revised to delete the requirement for signing the AK Summary and other minor changes. Added cis & trans-1,2-Dichloroethylene, Attachment 5.
5	01/24/2002	Minor change to Attachment 14 due to the following: Signature lines were struck and approved by all levels of review in previous revision. When preparing document to be issued signature lines were inadvertently left in and must now be removed. Printed name and "approved for use" are being inserted to reflect the CCP Procedure format.
6	07/23/2002	Revised document to: • Comments based on CH-WAC revision • Accommodate comments from an assessment at SRS Document Review Record for Technical and Quality Assurance • Comments from a Program Evaluation at ANL-E
7	09/06/2002	Revised document to: • Minor editorial changes to 2.1, 4.2, 4.3, and 4.4 Changes to 4.4.17 to comply with WAP requirements and Program Evaluation Changes to 4.4.26 to comply with Program Evaluations for NTS.
8	09/19/2002	Revised document based on comments from the ANLE Certification Audit and a CBFO Adequacy Review; revised Sections 3.1, 4.2, 4.3, 4.4, 4.5 and Attachments 7, 10, and 11.
9	09/26/2002	Revised document based on comments from the NTS Certification Audit; revised Sections 4.3, 4.4, 4.5, and 4.6.
10	10/24/2002	Revised step 3.2.13; added Section 3.6 and steps 4.7.18 and 4.7.19; and revised Attachment 10 based on comments from the SRS Recertification Audit.
11	02/05/2003	Revised document to address CAR #02-087 and CAR # 02-088 from the ANL-E Certification Audit. Revised steps 4.4.1 and added NOTE. Revised steps 4.4.17, 4.4.20, 4.4.24, 4.4.26, and 4.5.1 [D.2]

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
12	03/26/2003	Revised step 4.4.8 and preceding NOTE.
13	11/18/2003	Revised document to: - Perform minor editorial changes throughout document. Clarify that Attachments are example forms. Remove Attachments 11 and 12 to create electronically fillable forms of these attachments. Add Section 3.7 to include responsibility of Nondestructive Assay (NDA) Subject Matter Expert (SME) to perform assessment with the Acceptable Knowledge Expert. Update steps 4.4.17 and 4.4.18 to require that the uses and limitations of the radionuclide Acceptable Knowledge information is reviewed by the NDA SME. Add Section 4.9 to address CAR-SRS-006-03 for the process used to document the addition of containers to existing waste streams. Added a new Section 4.3.3 identifying the use of Memorandum to CCP Central Records. Added a new Section 4.6.3 to incorporate preparation of a letter/memorandum to Site Project Manager summarizing AK information; revision of Sections 4.6.4 and 5.1.1[J] to incorporate the addition of 4.6.3. Deleted Section 4.1.3 Process Equipment Description from the AK Summary Report Content Guide. - Modified Attachment 5.
14	11/19/2004	Revised document to: - Perform minor editorial changes and technical clarifications throughout document. - Revised procedure to address WIPP WAC Revision 1 and 2 changes relating to beryllium, payload container management, high plutonium content waste/material, and PCB requirements (Sections 1.0 and 4.4.24). - Revised Section 4.8.1 to allow for resolution of discrepancies within the AK Summary Report. - Deleted redundant records management requirement to attach copies of the AK Source Document Discrepancy reports to all affected sources. - Deleted step 4.4.8[B].

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
15	03/31/2005	Revised document to incorporate WIPP WAP AK requirements for LANL sealed sources. Addressed CBFO comments.
16	02/27/2006	Revised document to: Incorporate minor editorial changes and technical clarifications throughout the document. Add Sections 4.10 and 4.11 to address creation and maintenance of the Container Tracking Spreadsheet on the FTP (CAR-INL-0003-05). Replace revised Attachments 5 and 10 based on recent audit discussions.
17	06/05/2006	Revised to allow the use of attachments to this procedure during the management of Remote-Handled (RH) Acceptable Knowledge (AK) in accordance with DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP). Revised Attachment 6, Waste Form, Waste Material Parameters, Prohibited Items, and Packaging – Example Form per Los Alamos National Laboratory (LANL) Certification Audit A-06-11.
18	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
19	07/06/2010	Revised document to address the Waste Isolation Pilot Plant (WIPP) Form WF09-171 from an internal Central Characterization Project (CCP) audit and to incorporate minor editorial changes and technical clarifications noted as a result of various Acceptable Knowledge audits.
20	11/01/2010	Revised to allow new and updated attachments and source documents to be submitted anytime after the initial submittal.
21	12/29/2010	Revised to implement the revision of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
22	04/21/2011	Revised to address changes in Revision 2 of the *Remote-Handled Tru Waste Characterization Program Implementation Plan* (WCPIP). Incorporated editorial changes and technical clarifications throughout procedure.
23	06/30/2011	Revised to clarify what constitutes a record as part of the resolution to resolve CBFO CAR11-043.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
24	11/28/2011	Revised to address comments from inspectors during U.S. Environmental Protection Agency (EPA) Baseline Inspection EPA-SNL-CCP-RH-06.11-8 (June 6/8, 2011). Also revised to incorporated lessons learned from Carlsbad Field Office (CBFO) records surveillance.

TABLE OF CONTENTS

1.0 PURPOSE 8
1.1 Scope 8

2.0 REQUIREMENTS 11
2.1 References 11
2.2 Training Requirements 12

3.0 RESPONSIBILITIES 13
3.1 Site Project Manager (SPM) 13
3.2 AK Expert (AKE) 13
3.3 Off-Site Source Recovery (OSR) Radiological Characterization Technical Supervisor (RCTS) 14
3.4 Nondestructive Assay (NDA) Expert Analyst (EA) 14

4.0 PROCEDURE 15
4.1 AK Documentation Management 15
4.2 Compiling AK Documentation 15
4.3 Recording AK Documentation 18
4.4 Review and Submittal of AK Documentation 20
4.5 Waste Stream Characterization 30
4.6 Determining AK Documentation Accuracy 33
4.7 AK Sufficiency Determination 34
4.8 Re-evaluating AK Documentation 36
4.9 Resolving AK Discrepancies 39
4.10 Updating AK for Additional Waste Stream Containers 42
4.11 Container Tracking Spreadsheet Development 43
4.12 Container Tracking Spreadsheet Maintenance 44

5.0 RECORDS 45

LIST OF ATTACHMENTS

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form 47
Attachment 2 – Record of Communication – Example Form 52
Attachment 3 – Acceptable Knowledge Source Document Summary – Example Form 53
Attachment 4 –Acceptable Knowledge Information List – Example Form 54
Attachment 5 – Hazardous Constituents – Example Form 55
Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging – Example Form 60
Attachment 7 – Radionuclides – Example Form 62
Attachment 8 – Waste Containers List – Example Form 63
Attachment 9 – Waste Characterization Data Cross-Reference 64
Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Example Form 66
Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Example Form 67
Attachment 12 – Example Form and Content Guide for AK Summary Reports 68
Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form 81
Attachment 14 – CCP Acceptable Knowledge Accuracy Report – Example Form 83
Attachment 15 – CCP TRU Waste Correlation and Surrogate Summary Form – Example Form 84

1.0 PURPOSE

The *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP), authorizes the use of acceptable knowledge (AK) in appropriate circumstances to delineate waste streams and to characterize hazardous waste. WIPP WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, and implemented through this procedure. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WIPP-WAC), AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan*. Additionally, implementation of this procedure will generate information required by CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control* (*CCP CH-TRAMPAC*) and CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (*CCP RH-TRAMPAC*). This procedure applies to Central Characterization Project (CCP) personnel who perform AK activities for retrievably stored and newly generated transuranic (TRU) waste streams that may be eligible for disposal at Waste Isolation Pilot Plant (WIPP).

1.1 Scope

This procedure describes the processes the CCP uses to compile, review, evaluate, update, and report AK documentation. The procedure also describes how the CCP determines AK Sufficiency, AK accuracy; re-evaluates AK documentation when necessary; resolves AK documentation discrepancies, and uses AK to delineate waste streams and determine whether the waste is hazardous. A waste stream is defined as waste materials that have common physical form, that contain similar hazardous constituents (similar radiological properties for DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* [WCPIP] compliance), and that are generated from a single process or activity.

Only CCP personnel trained in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* will compile, evaluate, and document AK information in accordance with this procedure. Sites hosting the CCP may assist CCP personnel in the collection of AK information; however, this procedure will be used by the CCP to generate the required AK in accordance with CCP-PO-001, CCP-PO-002, CCP-PO-003, and CCP-PO-505.

AK includes any documentation that describes or verifies site history, mission, and operations, in addition to waste stream-specific information used to define the generating process, waste matrix, waste quantities and contaminants (radiological and chemical).

The information acquired in the performance of this procedure is used to prepare an AK Summary Report or an AK Sufficiency Determination.

This information is provided in the following attachments:

- Attachment 1 – Acceptable Knowledge Documentation Checklist – Example Form
- Attachment 2 – Record of Communication – Example Form
- Attachment 3 – Acceptable Knowledge Source Document Summary – Example Form
- Attachment 4 – Acceptable Knowledge Information List – Example Form
- Attachment 5 – Hazardous Constituents – Example Form
- Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging
- Attachment 7 – Radionuclides –Example Form (CH only)
- Attachment 8 – Waste Containers List – Example Form
- Attachment 9 – Waste Characterization Data Cross-Reference
- Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Example Form
- Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Example Form
- Attachment 12 – Example Form and Content Guide for AK Summary Reports
- Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form
- Attachment 14 – CCP Acceptable Knowledge Accuracy Report – Example Form
- Attachment 15 – CCP TRU Waste Correlation and Surrogate Summary Form – Example Form

The attached forms are provided as examples for the required AK information to be prepared for CCP Records. The forms identify the minimum information that will be prepared to document the AK collection

and review process described in this procedure. Attachment 4, Acceptable Knowledge Information List – Example Form, lists all of the information that was collected and considered during the preparation of an AK Summary Report. Only those sources of information that are referenced in the AK Summary Report are considered source documents and submitted to CCP Records.

Remote-Handled (RH) TRU AK management will be performed in accordance with WCPIP to address U.S. Environmental Protection Agency (EPA) requirements; and CCP-PO-001 to address WIPP-WAP requirements. The attachments for AK management in this procedure were reviewed and determined to meet or exceed the information requirements described for AK management in the WCPIP, and will be used, as appropriate, during the compilation, review, evaluation, and reporting associated with RH AK information.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/WIPP 89-004, *TRUPACT-II Content Codes* (TRUCON)

Referenced Documents

- DOE/LLW-217, *DOE Waste Treatability Group Guidance. Idaho Falls*, Idaho, INEL-Lockheed Idaho Technologies
- DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report – 2011,* (or current revision), Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant*
- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- 20 NMAC 4.1, New Mexico Administrative Code
- 40 CFR Part 261, *Identification and Listing of Hazardous Waste*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control* (*CCP CH-TRAMPAC*)
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (*CCP RH-TRAMPAC*)
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-004, *CCP Corrective Action Management*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-006, *CCP Corrective Action Reporting and Control*
- CCP-QP-008, *CCP Records Management*

- CCP-QP-010, *CCP Document Preparation, Approval, and Control*
- CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
- CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*
- CCP-TP-069, *CCP Sealed Source Visual Examination and Packaging*
- CCP-TP-101, *CCP Off-Site Source Recovery Project Sealed Source Radiological Characterization*
- 42 U.S.C. 10101, *Nuclear Waste Policy Act of 1982*, U.S. Congress
- 40 CFR part 761*, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, U.S. EPA*

2.2 Training Requirements

2.2.1 All personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002*,* prior to performing this procedure.

3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Ensures that trained AK Experts (AKE) (where allowed) are available to implement this procedure in coordination with the Host site.

3.1.2 Approves, resolves, and requests re-evaluation of AK as necessary.

3.1.3 Makes final waste stream determinations, EPA Hazardous Waste Number assignments, and compares, confirms, and approves the AK documentation.

3.1.4 Prepares the AK Accuracy Report.

3.1.5 Confirms the chemical compatibility to the assigned TRUCON code and reviews the characterization data for each waste stream.

3.2 AK Expert (AKE)

3.2.1 Identifies, locates, compiles, documents, summarizes, and evaluates required AK information.

3.2.2 Delineates waste streams and assigns waste stream numbers.

3.2.3 Recommends hazardous waste determinations to the SPM.

3.2.4 Prepares and revises AK Summary Reports.

3.2.5 Prepares and submits source documents.

3.2.6 Prepares and revises the AK Sufficiency Determination Request.

3.2.7 Documents and resolves discrepancies with AK information.

3.2.8 Records meetings, telecommunications, interviews and other communications.

3.2.9 Completes and maintains document summaries and information lists.

3.2.10 Reviews and verifies AK information.

3.2.11 Develops waste stream descriptions.

3.2.12 Assigns summary category groups and waste matrix codes, and estimates waste material parameter (WMP) weights.

3.2.13 Prepares auditable file of AK information.

3.2.14 Re-evaluates and updates AK as needed.

3.2.15 Reviews and concurs on the Waste Stream Profile Form (WSPF).

3.2.16 Supports the development of the AK qualification method and compliance with the applicable Data Quality Objectives (DQOs) for RH wastes streams in accordance with the WCPIP.

3.3 Off-Site Source Recovery (OSR) Radiological Characterization Technical Supervisor (RCTS)

3.3.1 For Los Alamos National Laboratory (LANL) sealed sources, assists the AKE in preparing the Nondestructive Assay (NDA) Memorandum discussed in step 4.4.25.

3.4 Nondestructive Assay (NDA) Expert Analyst (EA)

3.4.1 Performs the assessment for the NDA Memorandum discussed in step 4.4.25 with the AKE.

4.0 PROCEDURE

NOTE

The data collection, documentation, and AK preparation steps can be performed in any sequence as long as the AK data collection requirements found in CCP-PO-001 are met.

NOTE

The attached forms referenced in this section are provided as examples for the required AK information to be prepared for CCP Records. The forms identify the minimum information that will be prepared to document the AK collection and review process described in this procedure. All attachments submitted must contain a header with the procedure number, revision number, procedure title, effective date, and page number as displayed in the Example Attachments. Attachments must also contain the Attachment number and title immediately following the header, as shown on the Example Attachments.

4.1 AK Documentation Management

AKE

4.1.1 As they are collected, maintain the compiled AK documents with reasonable care (protection from damage or loss).

4.1.2 Assign a unique tracking number to each document collected as AK information using the Acceptable Knowledge Information List (see Attachment 4 for an example), for each waste stream. Describe the specific convention used to assign the unique identifiers to the source documents in the AK Summary Report. Examples of source document categories are as follows:

(EXAMPLE)

C – Correspondence
D – Documents
M – Miscellaneous
P – Procedures and Published Documents
DR – Discrepancy Resolution
U – Unpublished Documents

4.2 Compiling AK Documentation

AKE

4.2.1 Locate and obtain references with assistance of the Host site for documents with reference sections, as applicable.

4.2.2 Compile (i.e., gather) source documents that identify TRU waste management program information in the Acceptable Knowledge Documentation Checklist , AK #s PR1-PR8 (see Attachment 1, Acceptable Knowledge Documentation Checklist - Example Form, for facilities that generated the waste stream.

NOTE

Information collected must be sufficient to accurately characterize the waste stream.

NOTE

Source documents may include published or unpublished documents, correspondence, databases, quality assurance (QA) protocols, operating procedures, work instructions, waste storage/disposal records, waste certification summaries, process flow diagrams, analytical and testing data packages from previous waste characterization activities, and other sources of information descriptive of elements on the Checklist.

4.2.3 Apply a unique waste stream number based on the information in DOE/TRU-11-3425, *Annual Transuranic Waste Inventory Report* (ATWIR), and/or information from the Host site for each waste stream (Refer to CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*, for appropriate numbering format).

4.2.4 Compile and record source documents that identify TRU waste stream-specific information specified in the Acceptable Knowledge Documentation Checklist, AK #s WS1-WS12 for each waste stream.

4.2.5 Compile and record source documents that identify additional AK documentation specified in the Acceptable Knowledge Documentation Checklist, AK #s S1-S16.

[A] Obtain additional AK information as appropriate to augment required information and provide any other information obtained to further characterize the waste stream.

[B] All additional specific, relevant AK documentation assembled and used in the AK process, whether it supports or contradicts any required AK documentation, shall be identified and an explanation provided for its use (e.g., identification of a toxicity characteristic).

[C] Additional documentation may be used to further document the rationale for the hazardous characterization results. If discrepancies exist between additional information and the required information, assess and evaluate the information to

determine the appropriate hazardous waste numbers consistent with RCRA requirements. Document the resolution of RCRA hazardous waste number assignment discrepancies on an Acceptable Knowledge Source Document Discrepancy Resolution (see Attachment 11, Acceptable Knowledge Source Document Discrepancy Resolution - Example Form), or in the AK Summary Report.

NOTE

LANL sealed sources are subject to headspace gas sampling unless the information for AK #s O1-O5 is collected and adequate to demonstrate that assignment of EPA hazardous waste numbers (HWNs) for organic materials is not required or an AK Sufficiency Determination is approved for the sources assigned HWNs for organic materials

4.2.6 For LANL sealed sources, compile source documents that identify OSR-specific documentation specified in the Acceptable Knowledge Documentation Checklist, AK #s O1-O18. If source markings are needed to support radiological characterization, verify that they have been documented in accordance with CCP-TP-069, *CCP Sealed Source Visual Examination and Packaging.*

NOTE

For RH waste streams, the documentation collected and compiled in Sections 4.1 and 4.2 may not be sufficient to meet the DQOs established for the selected parameters in accordance with the WCPIP. If there is insufficient AK information to address each of the DQOs, then either additional AK will be collected and/or the characterization methods described in the WCPIP will be initiated. A combination of AK and other characterization methods may be used to meet the WCPIP DQO requirements.

4.2.7 For RH waste, review the documentation compiled and determine which of the WCPIP DQOs that can be met using the AK information collected.

4.2.8 Collect additional AK documentation and/or identify the characterization method(s) recommended to meet the DQO in accordance with the WCPIP (see step 4.4.34[O]).

4.3 Recording AK Documentation

AKE

NOTE

There are two categories of source documents used to document AK for a waste stream. Documentation generated by CCP and documents and/or other media supplied by the generator site. Generator site provided documents and/or other media are external records created by the waste generator sites and are identified in this procedure as "historical source documents."

4.3.1 Copy the document or the pertinent information from the document that defines source document contents, including cover sheets, executive summaries, introductions, and table of contents, if available **AND** maintain this information in the working files.

NOTE

Classified material CAN **NOT** be copied. If source documents are classified, an unclassified summary will need to be provided by the Host site or the document will be developed and summarized on an Acceptable Knowledge Source Document Summary (see Attachment 3, Acceptable Knowledge Source Document Summary - Example Form), by the AKE **AND** reviewed by the Site's Authorized Derivative Classifier for release.

4.3.2 Record meetings, telecommunications, interviews, and other communication on a Record of Communication (see Attachment 2, Record of Communication - Example Form), including a detailed summary of the content of the communication and data limitations.

NOTE

To avoid redundancy, a Record of Communication form may **NOT** be required if the information is already provided on an interview-related source document.

4.3.3 As necessary, prepare a memorandum or letter to CCP Records and Record of Communication, as appropriate, documenting the method used by the AKE to review AK sources for the purpose of evaluating required AK parameters such as radionuclides, Waste Matrix Codes, assignment of EPA Hazardous Waste Numbers, estimating waste material parameter weights, etc. The memorandum must identify the sources of AK used during the evaluation and clearly document the AKE assumptions and conclusions.

NOTE

Collection and review of AK source documents is an ongoing activity. It is conducted initially during the development of the AK Summary Report and continues as additional information becomes available during subsequent waste stream characterization and management activities. Completion of the Acceptable Knowledge Source Document Summary (see Attachment 3 for an example), for the source documents is an iterative process performed during these activities.

If the source document is a collection of information (i.e., container data sheets, material safety data sheets [MSDS] sheets, etc.) provide a description in the Title field of the Attachment 3 and ensure that it matches the Title field in the AK Source Document section of the AK Summary Report.

Information documents collected but not referenced in the AK Summary Report are not required to be summarized on an Attachment 3.

4.3.4 Initiate an Acceptable Knowledge Source Document Summary for each source document that includes detail sufficient to justify the use of the information. The Acceptable Knowledge Source Document Summary must be completed by the time the associated AK Summary Report is finalized for all AK source documents referenced within the report. Identify the specific waste stream or streams that correspond to the source document in the Waste Stream Number field on Attachment 3. If a comprehensive library is used for all streams at the site, note this in this field.

[A] Source documents referenced in the AK Summary Report and their applicable attachments must be submitted to CCP Records on or before the date of issuance of the AK Summary Report as final.

4.3.5 **IF** the summary consists of multiple pages,
THEN provide the unique source document tracking number on each page **AND** paginate the number of pages (e.g., 2 of 6 pages).

4.3.6 Print name, sign, and date the Acceptable Knowledge Source Document Summary before submitting to CCP Records.

4.3.7 For source documents that CAN **NOT** be reproduced or removed from the source (e.g., classified documents or databases), indicate on the Acceptable Knowledge Source Document Summary that a copy of the source document is **NOT** available, and state the reason.

4.3.8 Include a note on the limitations of the information (e.g., if a document covers a specific period of time) on the Acceptable Knowledge Source Document Summary.

NOTE

Attachment 4 is a listing of information collected during the investigative process. Documents collected must be categorized in accordance with Step 4.1.2.

4.3.9 Create and maintain an Acceptable Knowledge Information List that includes the following:

- Site, waste stream number, and waste stream description.
- Source document tracking number
- Source document title
- Name of author
- Original document number, or publisher's document number (if available)
- Revision number and document date (if applicable)
- Cross-reference to the applicable AK number(s) on the Attachment 1 for which the source document is used.

4.3.10 Print name, sign, and date the Acceptable Knowledge Information List before submitting to CCP Records.

4.4 Review and Submittal of AK Documentation

AKE

4.4.1 Evaluate the waste stream to verify that the waste materials do not meet the definition of spent nuclear fuel or high-level waste as defined in the in Section 10101(3) of the *Nuclear Waste Policy Act of 1982.*

4.4.2 Evaluate the waste stream to verify that the waste materials meet the definition of defense waste defined in CCP-PO-002.

NOTE

According to CCP-PO-002, a TRU waste is eligible for disposal at WIPP if it has been generated in whole or in part by one or more of the following functions:

- Naval reactors development
- Weapons activities including defense inertial confinement fusion
- Verification and control technology
- Defense nuclear materials production
- Defense nuclear waste and materials by-products management
- Defense nuclear materials security and safeguards and security investigations
- Defense research and development

4.4.3 **IF** there is no information linking the waste stream to defense related activities or commingled with defense materials, **OR** if the waste contains spent nuclear fuel or high-level waste,
THEN notify the SPM.

4.4.4 Document the defense determination, high-level waste and spent nuclear fuel assessments in the AK Summary Report.

4.4.5 Verify that 100 percent of the information specified in Acceptable Knowledge Documentation Checklist from AK #s PR1 through PR8 and WS1 through WS12 has been compiled.

4.4.6 **IF** 100 percent of this information is **NOT** available for a particular waste stream,
THEN notify the SPM that waste is **NOT** eligible for disposal at WIPP without the collection of additional information to augment the existing AK.

4.4.7 For LANL sealed sources waste containers, verify that the information on Acceptable Knowledge Documentation Checklist, AK #s O1-O5 has been compiled.

4.4.8 Review all AK information compiled in Section 4.2 of this procedure.

4.4.9 Document and resolve discrepancies regarding AK information among AK source documents as described in Section 4.9 of this procedure.

4.4.10 Print name, sign, and date the Acceptable Knowledge Documentation Checklist once the collection and review of the required AK information has been completed.

NOTE

A waste stream is defined as waste materials that have common physical form, that contain similar hazardous constituents (similar radiological properties for WCPIP compliance), and that are generated from a single process or activity. This definition will be used to obtain information for the waste stream specific description to be written in step 4.4.35.

4.4.11 Using the definition of a waste stream from above, the waste stream-specific documentation from the Acceptable Knowledge Documentation Checklist, and, if applicable, the description from the ATWIR, define the waste stream represented by the compiled AK information, **AND** provide this description in the AK Summary Report (see Attachment 12, Example Form and Content Guide for AK Summary Reports, for a format and content guide to be used when preparing the AK Summary Report). Provide a discussion to justify combining previously identified (i.e., ATWIR or site designations), TRU mixed waste and TRU non-mixed waste streams.

NOTE

Waste matrix code will be assigned based on the physical form of the waste. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, describes the convention for assignment of waste matrix codes for low-level waste treatability groups, and can be used as the basis for the assignment of waste matrix codes that bound the waste stream.

4.4.12 Assign and describe the waste matrix code assigned to each waste stream identified.

NOTE

The Waste Matrix Code Groups identified in CCP-PO-001 are:

- Solidified inorganics
- Solidified organics
- Salt waste
- Soils
- Lead/cadmium metal
- Inorganic nonmetal waste
- Combustive waste
- Graphite
- Filters
- Heterogeneous debris waste
- Uncategorized metals

4.4.13 Assign the waste stream to the appropriate Waste Matrix Code Group.

4.4.14 Assign the waste stream to the appropriate summary category group as defined below:

- S3000 Homogeneous Solids – Homogeneous solids are defined as solid material, excluding soil, that does not meet the New Mexico Environment Department (NMED) criteria for classification as debris (20.4.1.800 New Mexico Administrative Code [NMAC] [incorporating 40 CFR §268.2(g) and (h)]). Included in the series of homogeneous solids are inorganic process residues, inorganic sludges, salt waste, and pyrochemical salt waste. Other waste streams are included in this Summary Category Group based on the specific waste stream types and final waste form. This Summary Category Group is expected to contain toxic metal and spent solvents. This category includes wastes that are at least 50 percent by volume homogeneous solids.

- S4000 Soil/Gravel – This Summary Category Group includes S4000 waste streams that are at least 50 percent by volume soil/gravel. This Summary Category Group is expected to contain toxic metals.

- S5000 Debris Wastes – This Summary Category Group includes heterogeneous waste that is at least 50 percent by volume material that meets the criteria specified in 20.4.1.800 NMAC (incorporating 40 CFR §268.2[g]). Debris means solid material exceeding a 2.36 inch (60 millimeter) particle size that is intended for disposal and that is a manufactured object, plant or animal matter, or natural geologic material. Particles smaller than 2.36 inches in size may be considered debris if the debris

is a manufactured object and if it is **NOT** a particle of S3000 or S4000 material.

4.4.15 **IF** waste DOES **NOT** include at least 50 percent of any given Summary Category Group by volume,
THEN perform characterization using the waste characterization process required for the summary category constituting the greatest volume of waste for that waste stream.

4.4.16 Review the AK information to determine if the waste is listed under 20 NMAC 4.1.200 (incorporating 40 CFR 261.30), Subpart D. If so, assign the appropriate HWNs.

4.4.17 Review the AK information to determine if a toxicity characteristic 20 NMAC 4.1.200 (incorporating 40 CFR 261.20), Subpart C contaminant is identified and has **NOT** been assigned a listed HWN from step 4.4.16. Evaluate the available data and assign the toxicity characteristic HWN consistent with RCRA requirements.

4.4.18 Compare the HWNs assigned from steps 4.4.16and 4.4.17 to the Hazardous Waste Numbers listed in the WIPP Hazardous Waste Facility Permit (HWFP).

4.4.19 **IF** any HWNs are **NOT** included in the WIPP HWFP,
THEN notify the SPM.

4.4.20 Include the justification and basis for steps 4.4.16 and 4.4.17 in the TRU waste stream-specific description of the AK Summary Report, **AND** complete the, Hazardous Constituents form,
(see Attachment 5, Hazardous Constituents - Example Form).

4.4.21 Print name, sign, and date Hazardous Constituents form.

4.4.22 Assess available AK radionuclide data.

4.4.23 For LANL sealed sources, confirm sufficient radionuclide data is available in accordance with CCP-TP-101, *CCP Off-Site Source Recovery Project Sealed Source Radiological Characterization.*

4.4.24 For contact-handled (CH) waste streams and RH waste streams characterized using NDA techniques, review all source documents to determine the two most prevalent radionuclides for the waste stream, and estimated isotopic ratios for the following 10 WIPP-required radionuclides: Sr-90; Cs-137; U-233; U-234; U-238; Pu-238; Pu-239; Pu-240; Pu-242; and Am-241.

4.4.25 Prepare an NDA Memorandum to CCP Records (CH waste only), evaluating the radionuclide characterization of the waste stream. The NDA Memorandum must include a section for an assessment

written with the NDA EA determining how the AK will be applied during assay. For LANL sealed sources waste, the NDA Memorandum must include a section written with the OSR Radiological Characterization Technical Supervisor (RCTS). This assessment should include a discussion of the limitations of the radiological characterization in the AK document and a description of the required assay methods, if any. Any NDA issues for both measured and calculated radionuclides should be discussed and resolved.

4.4.26 **IF** AK is intended as the sole basis for meeting the radiological characterization requirements in CCP-PO-002,
THEN state so in the AK Summary Report.

4.4.27 Prepare a Waste Material Parameter Evaluation Memorandum to CCP Records that estimates the waste material parameter weights for the waste stream. The expected weight percent for each waste material parameter will be calculated using historical waste generator information for the materials in the waste stream or industry documentation for similar waste inventories. This evaluation should include the technical assumptions, justification, and limitations for the estimated weight percentages.

NOTE

The WIPP-WAP allows the generator to utilize visual examination (VE) and real-time radiography (RTR), if there is insufficient AK to estimate for the waste material parameter weight percentages.

AKE

4.4.28 Complete the following forms as appropriate:

[A] See Attachment 6, Waste Form, Waste Material Parameters, Prohibited Items, and Packaging - Example Form for an example. Include the Waste Material Parameter Evaluation Memorandum described in step 4.4.27 as an addendum to Waste Form, Waste Material Parameters, Prohibited Items, and Packaging.

[B] See Attachment 7, Radionuclides - Example Form (CH only), for an example. Include the NDA Memorandum (signed by the AKE and NDA EA) described in step 4.4.25 as an addendum to Radionuclides.

[C] See Attachment 8, Waste Containers List – Example Form, (or an equivalent form, e.g., spreadsheet). Prepare or update the Container Tracking Spreadsheet as described in Section 4.11 for the containers identified in Waste

Containers List and corresponding Waste Stream Container Evaluation Memorandum prepared in steps 4.10.3 and 4.10.4.

4.4.29 Print name, sign, and date all forms generated in step 4.4.28.

4.4.30 Review the waste management program AK documentation specified on the Acceptable Knowledge Documentation Checklist, **AND** write a TRU Waste Management Program Description that addresses AK #s PR1-PR8 in Acceptable Knowledge Documentation Checklist. Include the following:

- Correlation to the waste stream identification and description found in the ATWIR or indication that the waste stream was not included in the ATWIR.
- Determination of whether the TRU waste materials were generated as a result of, or mixed with materials from, defense-related activities as specified in CCP-PO-002.

4.4.31 **IF** prohibited items or incompatible materials are listed on the Waste Form, Waste Material Parameters, Prohibited Items, and Packaging,
THEN perform the following:

[A] Notify the SPM.

SPM

[B] Notify the Host site as directed in the Interface Document between CCP and that site.

AKE

4.4.32 Correlate TRU waste management program information (AK #s PR1 - PR8) with TRU waste stream-specific information (AK #s WS1 - WS12) with regard to the time of generation, waste generation processes, rate and quantity of newly generated waste (when appropriate), and areas and building or facility where the waste stream was generated (Acceptable Knowledge Documentation Checklist).

4.4.33 Identify AK source document tracking numbers, as applicable, in the TRU waste management program description and TRU waste stream-specific description.

4.4.34 Review the waste stream-specific AK documentation specified on the Acceptable Knowledge Documentation Checklist and

information developed in steps 4.4.11 through 4.4.33), **AND** describe the waste stream in the AK Summary Report, including the following:

[A] Waste stream description and waste stream number. The waste stream number is limited to 20 alpha-numeric characters.

[B] Explain the selection of the waste matrix code in the TRU waste stream-specific description of the AK Summary Report.

[C] Ensure the description of the waste stream is sufficient to allow the radiography and VE Operators to determine whether the waste in individual containers is included in the waste stream and matches the assigned waste matrix code.

[D] Include the justification and basis for determination of waste material parameters weights expected in the waste stream.

[E] Include the justification and basis for the method by which the radionuclide AK has been compiled.

[F] For waste streams characterized using NDA, state the method for determination of the (2) most prevalent radionuclides (see CCP-PO-002).

[G] Include the following assessment information:

- Waste identification and categorization schemes relevant to the isotopic composition of the waste
- Description of the isotopic composition of waste streams
- Physical/chemical composition that could affect isotopic distributions
- Numerical adjustments (e.g., scaling factors, decay/ingrowth corrections and secular equilibrium consideration) applied to derive isotopic compositions
- Isotopic ratios for the 10 WAC - specified radionuclides
- Radionuclides that comprise 95 percent of the radioactive hazard

[H] Provide justification for the assumption that the waste stream is TRU waste, (i.e., it contains more than 100 nanocuries

[nCi] of alpha-emitting radionuclides with half-lives greater than 20 years per gram of waste), as specified in CCP-PO-002.

[I] For waste streams with containers selected for payload management, include an assessment estimating the percentage of the TRU waste stream volume above and below 100 nanocuries per gram (nCi/g) in accordance with CCP-PO-002. The AK Summary Report must demonstrate that the waste stream has been historically managed as TRU waste, as applicable for payload management.

[J] Provide justification for determining the physical form, (i.e., solid or particulate) and estimated concentration of beryllium (metal and oxides) for each container within the waste stream as required in CCP-PO-002.

[K] Provide justification for determining that each prohibited item is not present in the waste stream or describe the potential for prohibited items and how they will be identified and remediated. Identify process controls associated with the management of prohibited items, physical form, and hazardous waste content.

[L] Provide justification for determining if any waste in the waste stream contains polychlorinated biphenyls (PCBs) in concentrations equal to or greater than 50 parts per million (ppm). Identify the type of waste containing PCB contamination (e.g., remediation, bulk product), **AND** provide justification for determining that the waste stream will **NOT** contain residual PCB liquids as defined in CCP-PO-002.

[M] For waste streams assigned the EPA Hazardous Waste Number U134 for hydrofluoric acid, provide information demonstrating neutralization of this acid, if available, as required by CCP-PO-001.

[N] **IF** correlating or surrogate information from similar materials or waste streams generated at the same site or other sites is used to support the characterization of the waste stream, **THEN** complete the CCP TRU Waste Correlation and Surrogate Summary Form (see Attachment 15, CCP TRU Waste Correlation and Surrogate Summary Form – Example Form) **AND** describe the use of the information in the AK Summary Report.

[O] For RH waste streams, identify the AK and/or characterization methods to be used to meet the DQOs. Identify how each DQO will be met and describe the qualification method(s) selected for AK used solely to meet a specific DQO in the AK Summary Report.

4.4.35 Summarize the waste stream-specific description in Section 2.0 of the AK Summary Report. Provide a physical, chemical, and radiological description of the waste stream in Section 5.0 of the AK Summary Report (see Attachment 12 for an example format and content guide to be used when preparing the AK Summary Report). This description may be abbreviated for use on attachments as needed.

NOTE

Use the Example Form and Content Guide for AK Summary Reports in Attachment 12 to prepare the AK Summary Report. This guide provides the recommended format for preparation of the reports. However, the format of the report and content of the sections may vary, as long as the required AK elements are presented.

4.4.36 Prepare the AK Summary Report by combining the TRU waste management program description and each of the completed TRU waste stream-specific descriptions, as well as the information from forms 1-8 and Acceptable Knowledge Source Document Discrepancy Resolution (see Attachment 11 for an example), if applicable.

4.4.37 Submit the AK Summary Report to Document Services to initiate the review and approval process in accordance to CCP-QP-010, *CCP Document Preparation, Approval, and Control.*

NOTE

Electronic media for historical source documents shall be managed in accordance with CCP-QP-008, *CCP Records Management*.

AKE

4.4.38 Submit records identified in Section 5.0 to CCP Records in accordance with CCP-QP-008.

NOTE
As the AK Summary Report is revised, resubmit report to CCP Document Services.

4.5 Waste Stream Characterization

NOTE
The Attachment 9, Waste Characterization Data Cross-Reference, is provided as an aid in determining the appropriate characterization method (i.e., HSG, VE, Radiography, NDA, and solids analysis) for each characterization parameter.

NOTE
The following comparison may be performed for a waste stream or a waste stream lot.

SPM

4.5.1 Ensure that audit and other internal and external surveillance reports relating to CCP characterization programs are available.

4.5.2 **IF** any AK Sufficiency Determination Request has been approved by Carlsbad Field Office (CBFO) for any characterization parameter (see Section 4.7),
THEN note the approved scenario on the CCP Waste Stream Characterization Checklist (see Attachment 13, CCP Waste Stream Characterization Checklist - Example Form), for that parameter.

4.5.3 Compare the results of analyses from head space gas (HSG), VE, Radiography, NDA, and solids analysis characterization activities to the waste stream AK by completing a CCP Waste Stream Characterization Checklist, as applicable to certify a waste stream (or lot) for disposal at WIPP.

[A] Headspace Gas (HSG) Analytical Data

[A.1] Compare AK information for S5000 waste streams in Hazardous Constituents (Attachment 5) to Headspace Gas data in CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization,* Attachment 3, CCP Headspace Gas UCL_{90} Evaluation Form, obtained from CCP Records.

[A.2] Compare each hazardous UCL_{90} from CCP-TP-003, Attachment 3, to the Program Required Quantification Limit (PRQL) for that constituent to resolve AK concerning the presence or absence of F-listed

solvents and concentration of toxicity characteristic solvents in the HSGs.

[A.3] **IF** the UCL_{90} for the mean concentration exceeds the PRQL for a particular constituent that is **NOT** listed in the AK Summary Report (or Hazardous Constituents of this procedure),
THEN note the inconsistency on CCP Waste Stream Characterization Checklist, **AND** proceed with Section 4.8 of this procedure.

[B] Solids Analytical Data

[B.1] Compare the solids analytical results as listed in the appropriate form associated with CCP-TP-003, with AK information in Hazardous Constituents to resolve AK information associated with S3000 and S4000 waste streams.

[B.2] **IF** AK information CAN **NOT** be resolved upon completion of the comparison,
THEN note any inconsistencies on CCP Waste Stream Characterization Checklist, **AND** proceed with Section 4.8 of this procedure.

[C] Radiography and VE Data

[C.1] Compare Radiography and VE results (obtained from CCP Records) in VE Data Forms, and Radiography Data Sheets to AK information in Waste Form, Waste Material Parameters, Prohibited Items, and Packaging of this procedure to verify the physical form of the waste stream and absence of prohibited items.

[C.2] **IF** AK information CAN **NOT** be resolved upon completion of these comparisons,
THEN note any inconsistencies on CCP Waste Stream Characterization Checklist, **AND** proceed with Section 4.8 of this procedure.

[D] NDA Data

[D.1] Compare radionuclides reported on Attachment 7 by Weight percent, Activity, or other parameters justified in the AK Summary Report with NDA Radioassay results.

[D.2] Identify the two most prevalent radionuclides.

[D.3] Compare ratios of the prevalent radionuclides identified, **AND** determine isotopic ratios for each drum in the waste stream lot.

[D.4] Report the differences between ratios expected from AK and those determined by NDA in the CCP Waste Stream Characterization Checklist.

[D.5] Identify drums in which isotopic ratios for the two prevalent radionuclides differ by greater than 50 percent; provide rationale in the Comment section of CCP Waste Stream Characterization Checklist, if this condition was anticipated based on AK, otherwise notify the AKE to perform a re-evaluation.

[D.6] **IF** Am-241 is **NOT** used for isotopic ratioing, **THEN** compare Am-241 content reported in the AK Summary Report (after decay correction) to Am-241 found in each container, **AND** justify why Am-241 was not used for ratioing.

[D.7] When applicable, provide a description of results.

[D.8] Attach data and applicable description to CCP Waste Stream Characterization Checklist.

[D.9] **IF** AK information CAN **NOT** be resolved upon completion of these comparisons, **THEN** note any inconsistencies on CCP Waste Stream Characterization Checklist, **AND** proceed with Section 4.8 of this procedure.

4.5.4 **IF** AK information can be resolved upon completion of the comparisons with the analytical results, **THEN** print name, sign, and date CCP Waste Stream Characterization Checklist, **AND** forward it to the AKE for signature **AND** submit to CCP Records.

4.6 Determining AK Documentation Accuracy

NOTE

The quality assurance objectives (QAOs) and their applicability to AK are discussed in CCP-PO-001. Calculation of the accuracy of AK documentation is required and is performed as follows.

SPM

4.6.1 Obtain a copy of the completed CCP Waste Stream Characterization Checklist, **AND** any Acceptable Knowledge Re-evaluation Checklists (see Attachment 10, CCP Waste Stream Characterization Checklist), applicable to the waste stream or waste stream lot, and any necessary supporting documentation from CCP Records.

NOTE

The Acceptable Knowledge Accuracy Report is used to determine the percentage of containers reassigned to a new waste matrix code, designated with a hazardous waste number assignment different from AK, or inconsistent with anticipated radionuclide composition determined from AK.

NOTE

For AK Accuracy Reports that are prepared for waste stream lots within a waste stream, updates to AK accuracy shall be issued periodically. Although there is no specified timeframe for AK accuracy updates, they should typically be issued annually.

4.6.2 Complete the CCP Acceptable Knowledge Accuracy Report (see Attachment 14, CCP Acceptable Knowledge Accuracy Report - Example Form), after characterization has been completed for a subset of containers in the subject waste stream or waste stream lot.

4.6.3 Prepare an AK Accuracy Memorandum summarizing the following AK accuracy information:

[A] Purpose

[B] Methodology

[C] Results of accuracy determination

[D] Other considerations, if applicable

[E] Summary

4.6.4 For RH waste, **IF** the AK accuracy falls below 90 percent for assigning containers to a Summary Category Group,
THEN CBFO shall be notified of this significant condition adverse to quality, **AND** appropriate corrective actions implemented before proceeding with further characterization activities on the affected waste stream, in accordance with CCP-QP-004, *CCP Corrective Action Management*.

NOTE

For RH waste, significant discrepancies between the radionuclide information in the AK record and measured values will be assessed during preparation of the Acceptable Knowledge Accuracy Report. What constitutes a significant discrepancy will depend on site- and waste stream-specific considerations for each waste stream

4.6.5 For RH waste, describe any significant discrepancies between the radionuclide information in the AK record and measured values in the Acceptable Knowledge Accuracy Report.

4.6.6 Review, print name, sign, and date **AND** submit CCP Acceptable Knowledge Accuracy Report to CCP Records. At the option of the SPM, CCP Acceptable Knowledge Accuracy Report may list only the containers with accuracy issues, as long as the complete list of containers represented by the accuracy report is included by attachment to, or referenced in, the cover memorandum or letter.

4.7 AK Sufficiency Determination

SPM/AKE

NOTE

An AK Sufficiency Determination Request to meet all or part of the waste characterization requirements may be used if AK information available for a waste stream permits.

4.7.1 Evaluate the AK information available for a waste stream to determine if an AK Sufficiency Determination is possible or desirable.

4.7.2 Determine which AK Sufficiency Determination scenario applies using the following definitions:

[A] Scenario 1 – Radiography or VE of the waste stream is not required, and chemical sampling and analysis is not required (CH only);

[B] Scenario 2 – Radiography or VE of the waste stream is not required, but chemical sampling and analysis of a representative sample of the waste stream is required (CH only); or

[C] Scenario 3 – Chemical sampling and analysis is not required, but radiography or VE of 100 percent of the containers in the waste stream is required.

4.7.3 Establish what characterization, if any, will be required based on the proposed scenario and the available AK information.

4.7.4 Prepare an AK Sufficiency Determination Request that includes the following information:

[A] An introduction that briefly describes the waste stream, the type of AK Information available, whether AK alone can be used to meet the characterization requirements or if additional characterization is required.

[B] Identification of the scenario for which the approval is sought (Section 4.7.2).

[C] Identification of any mandatory requirements supported only by upper tier documents (i.e., there is insufficient supporting data).

[D] Description demonstrating that the AK process described in CCP-PO-001 was followed (for example, AK personnel were appropriately trained; discrepancies were documented, etc.).

[E] Information demonstrating that CCP has assessed the AK process (e.g., internal audits).

4.7.5 Obtain copies of the following information from CCP Records and attach to the AK Sufficiency Determination Request:

[A] AK Summary Report for the waste stream;

[B] Acceptable Knowledge Documentation Checklist providing an AK roadmap and cross reference between mandatory programmatic and waste stream information with references supporting these requirements.

[C] Acceptable Knowledge Information List, providing a complete reference list including all mandatory and additional AK documentation.

[D] Current revision of this procedure to demonstrate that CCP has developed a written procedure for compiling AK information and assigning hazardous waste numbers.

[E] Relevant additional information for the required programmatic and waste stream data addressed in the AK Summary Report, as applicable or if requested by CBFO.

4.7.6 Submit the AK Sufficiency Determination Request and attachments to the SPM for approval and submittal to CBFO.

4.7.7 **IF** comments are received from CBFO,
THEN address the comments and resubmit the AK Sufficiency Determination Request.

4.8 Re-evaluating AK Documentation

NOTE

Differences in waste matrix codes, state and EPA Hazardous Waste Numbers, and NDA results may exist between those previously assigned in the AK documentation and those indicated as a result of waste characterization activities performed to certify waste for disposal at the WIPP or during the confirmation testing performed by the Permittee. The presence of tentatively identified compounds may also be confirmed by HSG analysis as described in CCP-TP-003. Under these circumstances, the AK information is re-evaluated and the required AK information associated with the new designation is documented. Sampling and analytical data associated with the waste is re-evaluated and changes in AK resulting from the re-evaluation are documented. Because listed wastes are **NOT** defined based on concentration, EPA HWNs assigned using AK CAN **NOT** be removed if associated constituents are **NOT** detected in the HSG or solids sample analyses.

SPM

4.8.1 **IF** re-evaluation is warranted as a result of 1) inconsistencies noted during the process of comparing AK information to characterization results **OR** 2) the initiation of an nonconformance report (NCRs) that identifies potential changes to the AK of a waste stream (including NCRs generated as a result of discrepancies identified during confirmation testing performed by the Permittee),
THEN notify the AKE.

AKE

4.8.2 Retrieve copies of applicable characterization data and AK information from CCP Records.

4.8.3 **IF** a waste must be assigned to a different waste matrix code (i.e., different waste stream or waste stream lot) based on Radiography or VE,
THEN perform the following:

[A] Review existing information based on the waste container identification number and document all differences in EPA HWN assignments. Consider all generator specific waste streams and hazardous waste number assignments; original site-specific permit requirements; and other state-enforced agreements in this analysis.

[B] **IF** differences exist in the EPA Hazardous Waste Numbers that were assigned,
THEN reassess **AND** document required applicable AK information associated with the new designation.

[C] Reassess **AND** document applicable sampling and analytical data associated with the waste.

[D] Verify **AND** document that waste with a reassigned waste matrix code was generated within the specified time period, area buildings and waste generating process; and that the process material inputs are consistent with the waste material parameters identified during Radiography or VE.

[E] Record all changes to the AK records on the appropriate forms and resubmit to CCP Records.

[F] **IF** unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides,
THEN document the segregation of this container, **AND** define the actions necessary to fully characterize the waste.

4.8.4 **IF** characterization results (i.e., testing and analytical data) indicate that additional or different EPA Hazardous Waste Numbers may apply to the waste,
THEN review the existing AK and characterization information, **AND** perform the following:

[A] **IF** a hazardous constituent is present in the analytical results,
THEN assign the applicable state and EPA Hazardous Waste Numbers unless an alternative assignment can be justified or representative quantitative data are available to preclude the assignment.

NOTE

An alternative assignment may be justified if the hazardous waste spent solvent constituents identified by HSG analysis can be attributed to packaging materials, radiolysis, or another use inconsistent with use as a solvent.

[B] DO **NOT** remove the F-listed Hazardous Waste Number assigned by AK based on confirmatory HSG or solids analytical results.

[C] In the case of applicable toxicity characteristic Volatile Organic Compounds (VOCs) and non-toxic F003 constituents, assess whether the HSG or solids concentrations would render the waste non-hazardous for those characteristics and change the initial AK determination accordingly.

4.8.5 **IF** NDA results indicate the presence of additional or different radionuclides in the waste,
THEN review existing AK and characterization information.

4.8.6 Document the need for changes in the appropriate comment section of the Acceptable Knowledge Re-evaluation Checklist.

4.8.7 Resolve all AK documentation discrepancies as described in Section 4.9 of this procedure.

4.8.8 Modify the AK Summary Report as appropriate.

4.8.9 Forward the completed Acceptable Knowledge Re-evaluation Checklist **AND** the revised AK Summary Report to the SPM for review and approval.

4.8.10 Submit changes to the Document Writers for distribution and approval.

SPM

4.8.11 Review the Acceptable Knowledge Re-evaluation Checklist and the revised AK Summary Report.

4.8.12 **IF** the AK Summary Report requires correction,
THEN return to AKE.

4.8.13 **IF** no correction is required,
THEN approve the Acceptable Knowledge Re-evaluation Checklist by printing name, signing, and dating the checklist.

4.8.14 Approve the revised AK Summary Report.

4.8.15 Review the WSPF to see if the change to the AK Summary Report affects the WSPF.

4.8.16 **IF** the WSPF requires change,
THEN revise the WSPF in accordance with CCP-TP-002.

4.8.17 Submit the Acceptable Knowledge Re-evaluation Checklist and revised AK Summary Report to CCP Records.

[A] Any new source documents referenced in the revised AK Summary Report and the applicable attachments must be submitted to CCP Records on or before the date of issuance of the revised AK Summary Report as final.

4.8.18 Once the re-evaluation is approved, complete the CCP Waste Stream Characterization Checklist, as described in step 4.5.3.

4.9 Resolving AK Discrepancies

NOTE
AK discrepancies may be identified during AK source document compilation, review, characterization, confirmation, and re-evaluation activities.

AKE

4.9.1 Document the nature of the discrepancy **AND** identify the documents involved for the particular waste stream or waste container on the Acceptable Knowledge Source Document Discrepancy Resolution or in the appropriate section of the AK Summary Report.

4.9.2 Use information from interviews, telephone contacts, or other correspondence or other supporting information (such as confirmatory sampling and analysis) to resolve the discrepancy.

4.9.3 Record interviews, telephone conversations, and correspondence needed to resolve discrepancy issues on a Record of Communication.

4.9.4 Print name, sign, and date a Record of Communication.

4.9.5 Complete an Acceptable Knowledge Source Document Summary for each Record of Communication form.

4.9.6 Print name, sign, and date Acceptable Knowledge Source Document Summary, attach to the Record of Communication form, **AND** submit to CCP Records.

4.9.7 Verify that process inputs (hazardous constituents and waste material parameters) are consistent with waste material parameters identified during Radiography and VE.

4.9.8 Assign **OR** revise the AK identified waste material parameters, as necessary, and document the change and the assumptions made on the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.9 Assign **OR** reassign waste matrix codes, as necessary, using guidance specified in the DOE/LLW-217, **AND** document the assignment and assumptions made on the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.10 Evaluate the sources of discrepancies among sources of isotopic distribution data to determine whether the sources are credible. Identify limitations of data **AND**, if the data is **NOT** used, provide a justification on the Acceptable Knowledge Source Document Discrepancy Resolution. Otherwise, describe data limitations in the AK Summary Report, as applicable.

4.9.11 Assign or revise the identified radionuclides present, as necessary, **AND** document the change and the assumptions made on the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.12 Assign or revise state and EPA Hazardous Waste Number, as necessary. Assign the Hazardous Waste Numbers consistent with RCRA requirements. Document the assignment and the assumptions and justifications made on the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.13 Obtain the affected AK source documentation, as necessary.

4.9.14 Make necessary changes to Acceptable Knowledge Source Document Summary, as appropriate.

4.9.15 Complete, print name, sign, and date the Acceptable Knowledge Source Document Discrepancy Resolution documenting final disposition of the discrepancy.

4.9.16 Complete, print name, sign, and date an Acceptable Knowledge Source Document Summary for each Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.17 Attach the Acceptable Knowledge Source Document Summary to the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.18 **IF** the form consists of multiple pages,
THEN add a footer identifying the page number and total number of pages.

4.9.19 Forward the form and supporting documentation (if requested) to the SPM for review and concurrence.

SPM

4.9.20 Review the Acceptable Knowledge Source Document Discrepancy Resolution and supporting documentation, as applicable, print name, sign, and date the form if the discrepancy has been resolved, **AND** forward the completed form to the AKE.

AKE

4.9.21 Confirm that the Acceptable Knowledge Source Document Discrepancy Resolution is signed and dated by the SPM.

4.9.22 Submit the original Acceptable Knowledge Source Document Discrepancy Resolution and supporting documentation, as applicable, to CCP Records.

4.9.23 Revise the AK Summary Report as needed.

NOTE

Discrepancies which CAN **NOT** be resolved by CCP will result in the container being returned to the Host site. If the discrepancy is **NOT** container-specific, containers from the subject waste stream will **NOT** be shipped to WIPP until such time as the discrepancy has been resolved. If the discrepancy is related to radiological characterization, notify the SPM that direct measurements of the impacted waste population may be required.

SPM

4.9.24 **IF** the discrepancy CAN **NOT** be resolved,
THEN issue an NCR (if not already identified in an NCR) and manage corrective actions in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*, CCP-QP-006, CCP *Corrective Action Reporting and Control*, and the CCP/site interface document.

4.9.25 Record the NCR number on the Acceptable Knowledge Source Document Discrepancy Resolution.

4.9.26 Coordinate with the Host site to place a hold tag on, **AND** segregate waste containers associated with the NCR, if applicable, in accordance with applicable procedures.

4.9.27 Assess the potential timeframe of the noncompliance, the potentially affected waste populations, and the reassessment and recertification of the waste, if applicable.

4.9.28 Coordinate resolution of the nonconforming condition with the AKE and the SPM.

4.9.29 Document information identified during the corrective action process as described in CCP-QP-005, and document any supporting AK information generated by this effort on the discrepancy form.

4.9.30 Once the discrepancy is resolved, applicable NCR(s) closed, and corrective action is completed, sign and date the Acceptable Knowledge Source Document Discrepancy Resolution **AND** forward the form to the AKE.

AKE

4.9.31 **WHEN** discrepancies are resolved, applicable NCRs are closed, **AND** corrective actions completed,
THEN review the discrepancy form, assign the appropriate waste material parameters, waste matrix code, radionuclides or hazardous waste numbers as applicable, **OR** justify the use of alternates and confirm that it has been signed.

4.9.32 Submit the original Acceptable Knowledge Source Document Discrepancy Resolution to CCP Records.

4.10 Updating AK for Additional Waste Stream Containers

NOTE

The following process is followed when the SPM identifies additional containers to be included in a waste stream defined in an existing AK Summary Report. The Waste Containers List identifies the AK source document number(s) designated for the Waste Stream Container Evaluation Memorandum, adding containers, if applicable.

SPM

4.10.1 Provide the AKE with a list of containers to be assessed for inclusion in an existing waste stream.

AKE

4.10.2 Collect container-specific documentation and evaluate the following information for each container:

- Waste generation location and process
- Time period of generation
- Physical form compared to the assigned Waste Material Parameters and waste matrix code
- Chemical content
- Prohibited items
- Radionuclides

4.10.3 **IF** the containers are bounded by the existing AK Summary Report for the waste stream,
THEN notify the SPM **AND** submit a Waste Stream Container Evaluation Memorandum documenting the evaluation to CCP Records.

4.10.4 **IF** the containers are **NOT** bounded by the existing AK Summary Report, but should be included in the waste stream,
THEN revise the AK Summary Report; update the Waste Containers List; notify the SPM, **AND** revise and submit the updated Waste Containers List and Waste Stream Container Evaluation Memorandum documenting the evaluation to CCP Records.

4.11 Container Tracking Spreadsheet Development

AKE or Designee

4.11.1 Develop a spreadsheet which identifies the following minimum criterion for each container listed on Waste Containers List:

- Container I.D.
- Waste Stream I.D.
- Generation Date
- Vent Date
- Change Reason
- New Closure Date

- New Vent Date
- Container Type

4.11.2 Post the copy of the Container Tracking Spreadsheet to the secure file transfer protocol (sftp) site.

4.12 Container Tracking Spreadsheet Maintenance

AKE or Designee

4.12.1 **WHEN** notified of a change to the status of a container(s) identified by the SPM, CCP personnel, Host site personnel, or during the addition of containers to the waste stream inventory,
THEN evaluate the change based on the data provided.

[A] **IF** the change is routine and DOES **NOT** adversely affect data,
THEN GO TO step 4.12.2.

[B] **IF** the change is non-routine or adversely affects data,
THEN notify the SPM to take the appropriate actions prior to proceeding to step 4.12.2.

4.12.2 Update the Container Tracking Spreadsheet and post the change to the sftp site.

4.12.3 Notify the SPM of the change.

5.0 RECORDS

5.1 Records generated during the performance of this procedure in Section 5.1.1 are maintained as QA records. The following records will be maintained in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime Records

[A] Acceptable Knowledge Documentation Checklist

[B] Records of Communication

[C] Acceptable Knowledge Source Document Summary forms, and when applicable attached CCP generated source documents

[D] Acceptable Knowledge Information List

[E] Hazardous Constituents forms

[F] Waste Form, Waste Material Parameters, Prohibited Items, and Packaging forms

- Waste Material Parameter Evaluation Memorandum

[G] Radionuclides forms

- NDA Memorandum

[H] Waste Containers List

[I] Acceptable Knowledge Re-evaluation Checklist

[J] Acceptable Knowledge Source Document Discrepancy Resolution, which include Acceptable Knowledge Source Document Summary forms as attachments

[K] CCP Waste Stream Characterization Checklist

[L] CCP Acceptable Knowledge Accuracy Report, including cover memorandum or letter

- AK Accuracy Memorandum

[M] CCP TRU Waste Correlation and Surrogate Summary Form

[N] AK Summary Reports

[O] AK Sufficiency Determination Request

[P] SPM Notifications (emails, letters, memorandums, etc.), as applicable

[Q] AK Container Tracking Spreadsheet (submitted to CCP Records after notification by the site SPM that waste shipments to WIPP have been completed)

5.1.2 Non-QA

[A] Historical Source Documents

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form

Site(s): _____

Waste Stream Description:_____

Waste Stream Number(s): _____

Acceptable Knowledge Information	[1]AK#	Compiled? (Y/N)	Source Document Tracking Number
Mandatory generator site TRU waste program (PR) information[a]:			
Map of the generator site that identifies TRU waste generation, treatment, and storage areas.	PR1		
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	PR2		
Overview of the generator site and generator site TRU waste management operations in the context of the facility's mission.	PR3		
Descriptions of historical and current TRU waste generating operations, including how waste is tracked and managed and/or how operations relative to isotopic composition were tracked.	PR4		
Waste identification and/or categorization schemes and terminology used at the generator site, including codes correlating to specific isotopic distributions.	PR5		
Types and quantities of TRU waste generated, including historical generation through future projections.	PR6		
Correlation of waste streams and description of time of generation, waste generating processes, and area and building/facility where each waste stream was generated.	PR7		
Certification procedures for waste to be sent to the WIPP facility (i.e., procedures to ensure that prohibited items are documented and managed in accordance with site-specific certification plans).	PR8		
Mandatory generator site TRU waste stream (WS)-specific information[a]:			
Waste stream designation	WS1		
Area(s) and building(s) from which the waste stream was or is generated.	WS2		
Waste stream volume and time period of generation	WS3		
Waste generating process (describe for each building) including processes associated with U134 waste generation, if applicable.	WS4		

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form (Continued)

Waste Stream Number(s): _____

Acceptable Knowledge Information	(1)AK#	Compiled? (Y/N)	Source Document Tracking Number
Process flow diagrams. For research/development, analytical laboratory waste, or other similar processes where process flow diagrams cannot be created, a description of the waste generating processes, rather than a formal process flow diagram, may be included, if justified.	WS5		
Summary of basis and rationale for delineating each waste stream including justification for combining waste historically managed separately as TRU mixed and TRU non-mixed waste streams into a single waste stream, that is traceable to referenced documents.	WS6		
Generator site mission descriptions related to TRU waste generation and management identifying defense and non-defense operations.	WS7		
Material inputs or other information that identified the chemical contents of the waste and the stream. Includes events or processes that may have modified the chemical properties of the waste stream after generation.	WS8		
Physical waste form (e.g., glovebox materials and chemicals handled during glovebox operations, if applicable), assigned summary category group, waste matrix code and materials inputs, including waste material parameters present in the waste stream. Includes events or processes that may have modified the physical properties of the waste stream after generation.	WS9		
Waste identifiers assigned by the generator site (e.g., item description code, packaging identification numbers).	WS10		
Radionuclides present in the waste stream, if available particularly the isotopic distribution of the 10 WIPP-tracked radionuclides and/or the radionuclides that comprise 95% of the radiological hazard of the waste stream, if applicable. Chemical and physical information that could affect the waste isotopic distribution, as well as calculations used to derive the isotopic distribution.	WS11		
State and EPA hazardous waste constituents in the waste stream and state and EPA Hazardous Waste Numbers assigned, including documentation regarding how the site has historically managed the waste, including the historical regulatory status of the waste (i.e., TRU mixed versus TRU non-mixed waste).	WS12		

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form (Continued)

Waste Stream Number(s): _____

Acceptable Knowledge Information	(1)AK#	Compiled? (Y/N)	Source Document Tracking Number	
Additional acceptable knowledge documentation (briefly describe):				
Process design documents (e.g., Title II Design)	S1			
Standard operating procedures that may include a list of raw materials or reagents, a description of the process or experiment generating the waste, and a description of the waste generated and how the wastes are managed at the point of generation	S2			
Preliminary and Final Safety Analysis Reports and technical safety requirements	S3			
Waste Packaging records	S4			
Test plans or research project reports that describe the reagents, radionuclides, and other raw materials used in experiments	S5			
Site databases (e.g., chemical inventory database for SARA Title III requirements, SNM or nuclear material databases)	S6			
Information from site personnel (e.g., documented interviews)	S7			
Standard industry documents (e.g., industry specification sheets, handbooks, reference materials, or other vendor information)	S8			
Analytical data relevant to the waste stream, including results from fingerprint analyses, spot checks, routine verification sampling or other processes that collected information pertinent to the waste stream. This may include new information (or previously collected data) which augments required information (e.g., visual examination not performed in compliance with CCP-PO-001, radiography screening for prohibited items).	S9			
Material Safety Data Sheets, product labels, or other product information	S10			
Laboratory notebooks that detail the research processes and raw materials used in an experiment	S11			
Comparable or surrogate sampling and analysis data	S12			
Other (describe)	S13			
Safeguards and security, Materials Control and Accountability, and other nuclear material control system data Reports of nuclear safety or criticality accidents involving special nuclear materials (SNM)	S14			

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form (Continued)

Waste Stream Number(s): _____

Acceptable Knowledge Information	[(1)]AK#	Compiled? (Y/N)	Source Document Tracking Number	
NMMA logs or inventory records or waste disposal logs providing SNM or nuclear material information	S15			
Packaging	S16			
OSR-Specific Information				
Evidence that the waste meets the definition of a sealed source reference 10CFR30.4 and 10CFR835.2	O1[b]			
Documentation that sources are Special Form, such as certificates DOT Special Form Class 7 per 49CFR173.403	O2[b]			
Contamination survey results for each source reference requirements of 10CFR34.27	O3[b]			
Documentation that the sources contain no VOC-bearing materials	O4[b]			
Headspace gas data supporting a packaging VOC source term requirements	O5[b]			
Source manufacturer's sales catalogues	O6			
Source purchase records	O7			
Manufacturer fabrication documents	O8			
Manufacturer drawings	O9			
Fuel capsule assembly reports	O10			
Manufacturer's operational procedures for meeting cleanliness requirements	O11			
Manufacturer's shipping documents or records	O12			
Manufacturer welding records	O13			
TRU batch material records	O14			
National database radiological information (e.g., NMMSS, NRC Device Registry)	O15			
NRC or agreement state regulatory licensing information	O16			
Documentation of physical markings on the outer source casing or labels attached to devices housing sources	O17			
Unique physical description attributed to specific source models	O18			

Attachment 1 – Acceptable Knowledge Documentation Checklist - Example Form (Continued)

Acceptable knowledge information regarding waste generated off-site or from similar process:				

(1) AK#s are used as identifiers for program, waste stream-specific and supporting elements. The identifiers are to be used in the Acceptable Knowledge Source Document Summary and Acceptable Knowledge Information List to aid in the page location of program and waste stream-specific elements within a given document. N/A means that item is not applicable.

a. Specified in CCP-PO-001.

b. Required for OSR containers that will **NOT** undergo headspace gas sampling and analysis.

Additional comments:

All required AK information has been compiled and source document tracking numbers assigned.

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 2 – Record of Communication – Example Form

Corresponding Source Document Tracking No:		
Interviewer:	Date:	Time:
Interviewee:	Group/Organization: Job Title:	Phone: E-mail:
Subject:		
Summary:		
Data Limitations:		

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 3 – Acceptable Knowledge Source Document Summary – Example Form

Site(s):	Source Document Tracking Number:
Waste Stream Number: (Applicable only when site library is not in use)	
Acceptable Knowledge Documentation Type: ☐ TRU Waste Management Program Information ☐ Waste Stream-Specific Information ☐ Additional Information	Category: ☐ C - Correspondence ☐ D - Documents ☐ M - Miscellaneous ☐ P - Procedure ☐ DR - Discrepancy Resolution ☐ U - Unpublished Documents
Title or Description of Source Document [a]:	
Source Document Reference Information (author(s), document and revision number, date, publisher):	

AK #[b]	Source Doc. Page #[c]	AK Information Summary

Source Document Data Limitations (if any):

Acceptable Knowledge Expert:

_____/_____ Date: _____
Print Sign

[a] Provide description for non-titled information (i.e., container paperwork, MSDS sheets, etc)
[b] Obtain from Acceptable Knowledge Documentation Checklist
[c] For microfilm or microfiche, identify box, tape, reel number and location.

Attachment 4 –Acceptable Knowledge Information List – Example Form

Page 1 of 1

Site(s): _____

Waste Stream Number(s): _____

Waste Stream Description: _____

Source Document Tracking Number[a/c]	Title or Description [a]	Author	Document #[b]	Document Revision # and Date

[a] From Acceptable Knowledge Source Document Summaries (Attachments 3)
[b] Or publisher's document number if available
[c] In the case where an AK Summary Report has been revised based on information in Attachment 11 - Acceptable Knowledge Source Document Discrepancy Resolution form, identify the tracking number.

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 5 – Hazardous Constituents – Example Form

Site(s): _____

Waste Stream Description: _____

Waste Stream Number:										
Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Metal Compounds (CCP-PO-001 - Table C3-8 & 40 CFR Part 261) [l]										
Arsenic			N/A	N/A		D004	N/A	N/A		
Barium			N/A	N/A		D005	N/A	N/A		
Beryllium			N/A	N/A	N/A	N/A	N/A	P015		
Cadmium			N/A	N/A		D006	N/A	N/A		
Chromium			N/A	N/A		D007	N/A	N/A		
Lead			N/A	N/A		D008	N/A	N/A		
Mercury			N/A	N/A		D009	N/A	U151		
Selenium			N/A	N/A		D010	N/A	N/A		
Silver			N/A	N/A		D011	N/A	N/A		
Volatile Organic Compounds (CCP-PO-001 - Tables C3-2 and C3-4 & 40 CFR Part 261)										
1,1,1-Trichloroethane					N/A	N/A	F001/F002	U226		
1,1,2,2-Tetrachloroethane					N/A	N/A	N/A	U209		
1,1,2-Trichloro-1,2,2-trifluoroethane					N/A	N/A	F001/F002	N/A		
1,1,2-Trichloroethane					N/A	N/A	F002	U227 [k]		
1,1-Dichloroethane					N/A	N/A	N/A	U076 [k]		
1,1-Dichloroethylene						D029	N/A	U078		
1,2-Dichlorobenzene [d]					N/A	N/A	F002	U070		
1,2-Dichloroethane						D028	N/A	U077 [k]		
1,4-Dichlorobenzene [d]						D027	N/A	U072		
2-Ethoxyethanol					N/A	N/A	F005	U359 [k]		
2-Nitropropane					N/A	N/A	F005	U171 [k]		
Acetone					N/A	N/A	F003	U002		
Benzene						D018	F005	U019		

Attachment 5 – Hazardous Constituents – Example Form (Continued)

Waste Stream Number:										
Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Volatile Organic Compounds (continued)										
Bromoform					N/A	N/A	N/A	U225 [k]		
Butanol (n-Butyl alcohol)					N/A	N/A	F003	U031 [k]		
Carbon disulfide					N/A	N/A	F005	P022 [k]		
Carbon tetrachloride						D019	F001	U211 [k]		
Chlorobenzene						D021	F002	U037		
Chloroform						D022	N/A	U044		
Cyclohexanone					N/A	N/A	F003	U057 [k]		
Ethyl acetate					N/A	N/A	F003	U112 [k]		
Ethyl benzene					N/A	N/A	F003	N/A		
Ethyl ether					N/A	N/A	F003	U117 [k]		
Formaldehyde [g]					N/A	N/A	N/A	U122		
Hydrazine [h]					N/A	N/A	N/A	U133		
Isobutanol					N/A	N/A	F005	U140 [k]		
Methanol					N/A	N/A	F003	U154		
Methyl ethyl ketone						D035	F005	U159		
Methyl isobutyl ketone					N/A	N/A	F003	U161 [k]		
Methylene chloride					N/A	N/A	F001/F002	U080 [k]		
Pyridine [d]						D038	F005	U196		
Tetrachloroethylene						D039	F001/F002	U210		
Toluene					N/A	N/A	F005	U220		
trans-1,2-Dichloroethylene					N/A	N/A	N/A	U079		
Trichloroethylene						D040	F001/F002	U228		
Trichlorofluoromethane					N/A	N/A	F001/F002	U121 [k]		
Vinyl Chloride						D043	N/A	U043		
Xylenes					N/A	N/A	F003	U239		

Attachment 5 – Hazardous Constituents – Example Form (Continued)

Waste Stream Number:										
Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Semivolatile Organic Compounds (CCP-PO-001 - Table C3-6 & 40 CFR Part 261)										
2,4,5-Trichlorophenol						D041 [k]	F027 [k]	N/A		
2,4,6-Trichlorophenol						D042 [k]	F027 [k]	N/A		
2,4-Dinitrophenol					N/A	N/A	N/A	P048 [k]		
2,4-Dinitrotoluene						D030	N/A	U105		
Cresols						D026	F004	U052		
Cresols (m)						D024 [k]	N/A	N/A		
Cresols (o)						D023 [k]	N/A	N/A		
Cresols (p)						D025 [k]	N/A	N/A		
Hexachlorobenzene						D032	N/A	U127 [k]		
Hexachlorobutadiene						D033	N/A	U128 [k]		
Hexachloroethane						D034	N/A	U131 [k]		
Nitrobenzene						D036	F004	U169 [k]		
Pentachlorophenol						D037	F027 [k]	N/A		
Pesticides and Herbicides (40 CFR Part 261)										
2,4,5-TP (Silvex)						D017 [k]	F027 [k]	N/A		
2,4-D						D016 [k]	N/A	U240 [k]		
Chlordane						D020 [k]	N/A	U036 [k]		
Endrin						D012 [k]	N/A	P051 [k]		
Heptachlor (and its epoxide)						D031 [k]	N/A	P059 [k]		
Lindane						D013 [k]	N/A	U129 [k]		
Methoxychlor						D014 [k]	N/A	U247 [k]		
Toxaphene						D015 [k]	N/A	P123 [k]		

Attachment 5 – Hazardous Constituents – Example Form (Continued)

Waste Stream Number:										
Compound	Suspected Present? (Y/N)	Suspected Concen-tration (ppm)	Used as a solvent? [a] (Y/N/NA)	Associated with packaging? (Y/N/NA)	TC constituent concentration less than regulatory level? [a] (Y/N/NA)	TC Hazardous Waste Number [a]	F-Listed Hazardous Waste Number [a]	U- or P-Listed Hazardous Waste Number [a]	EPA Hazardous Waste Number Assigned (N/Specify HWN)	State Hazardous Waste Number [b]
Other Constituents										
Wastewater treatment sludges from electroplating operations			N/A	N/A	N/A	N/A	F006	N/A		
Spent cyanide plating bath solutions from electroplating operations			N/A	N/A	N/A	N/A	F007	N/A		
Spent cyanides stripping and cleaning bath solutions from electroplating operations			N/A	N/A	N/A	N/A	F009	N/A		
Total PCB Concentration [j]			N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Additional EPA Hazardous Constituents (List)										
Additional State Hazardous Constituents [b] (List) [e]										
Potentially Flammable VOCs (List) [e,f]			N/A							
Tentatively Identified Compounds (List) [e]										

Attachment 5 – Hazardous Constituents – Example Form (Continued)

a Source: Title 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste
b. Source: Cite applicable state regulation
c. Superscript not used.
d. Can also be analyzed as a semivolatile organic compound
e. Add rows or attach additional sheets as necessary
f. Flammable VOCs included in the CH-TRAMPAC
g. Required only for homogeneous solids and soil/gravel from LANL and SRS
h. Required only for homogeneous solids and soil/gravel from ORNL and SRS
i. Antimony, nickel, thallium, vanadium, and zinc are included in Table C3-8 of CCP-PO-001but are not regulated under 40 CFR Part 261, and therefore, are not subject to AK evaluation per CCP-PO-001.
j. Source: Title 40 Code of Federal Regulations Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
k. This EPA Hazardous Waste Number is not permitted for WIPP disposal.

NOTE: If any of the information requested on this form is not available or not applicable, enter N/A in the appropriate box.

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging – Example Form

Site(s): _____

Waste Stream Description: _____

Container ID Numbers: _____

Waste Stream Number:	
Physical Waste Form (e.g., debris, solidified waste)	
Summary Category Group[a]	
Waste Matrix Code Group[a]	
Waste Matrix Code[b]	
Waste Material Parameter Weights[c]	Estimated Waste Stream Weight Percent Average (attach evaluation justifying percentages)
Iron-based metals/alloys	
Aluminum-based metals/alloys	
Other metals	
Other inorganic materials	
Cellulosics	
Rubber	
Plastics (waste materials)	
Organic matrix	
Inorganic matrix	
Soils/Gravels	
Packaging materials	Present (Y/N)?
Steel	
Plastics	
Prohibited Wastes[d, e, f, g]	Present (Y/N)?
Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.	
Non-radionuclide pyrophoric materials	

Attachment 6 – Waste Form, Waste Material Parameters, Prohibited Items, and Packaging – Example Form (Continued)

Sealed containers > 4 liters	
Hazardous waste not occurring as co-contaminants with TRU mixed waste (non-mixed hazardous waste)	

Waste Stream Number: _____

Explosives	
Compressed gases	
Residual hydrofluoric acid (if U134 assigned to stream)	
Residual PCB liquids[j]	
Ignitables (EPA Hazardous Waste Number D001)	
Corrosives (EPA Hazardous Waste Number D002)	
Reactives (EPA Hazardous Waste Number D003)	
Waste incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, or other wastes[h]	
Spent Nuclear fuel or high-level waste[i]	
Any unvented plastic bags > 4 liters that have been heat-sealed	
Additional Information (if available)	
Packaging	
Waste container type?	
Liner type?	
Is liner punctured?	
Is filter vent installed?	
Maximum number of confinement layers	

a. Source: *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (CCP-PO-001) Introduction.
b. Source: *Transuranic Waste Baseline Inventory Report* (DOE/CAO-95-1121) or DOE Waste Treatability Group Guidance (DOE/LLW-217). Note: the waste matrix code should not be assigned at the summary category group level.
c. Source: CCP-PO-001 - Table C3-1. Attach the Waste Material Parameter Evaluation Memorandum used to estimate values include in this Table (see Section 4.4.27).
d. Source: CCP-PO-001 - Section C-1c.
e. Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC)(DOE/WIPP-02-3122), Section 3
f. Source: *TRUPACT-II Content Codes* (TRUCON) (DOE/WIPP 89-004)
g. Source: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC),* Washington TRU Solutions, LLC
h. This waste has been approved for disposal at the WIPP by the Permittee as documented by Appendix C1 of the WIPP RCRA Part B Permit Application and the Permittee's approval and assignment of the applicable TRUCON Codes for this waste stream.
i. Source: *Nuclear Waste Policy Act of 1982* (42 U.S.C. 10101)
j. Source: Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution and Commerce, and Use Prohibitions (40 CFR Part 761)

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 7 – Radionuclides – Example Form

*Attach current Radiological Characterization or NDA Memorandum

Site(s): _____

Waste Stream Number(s): _____

Waste Stream Description: _____

Radionuclide	Wt %[b]	Ci[b]	Suspected Present (Yes/No)
From CCP-PO-002			
Sr-90			
Cs-137			
U-233			
U-234			
U-238			
Pu-238			
Pu-239			
Pu-240			
Pu-242			
Am-241			
Other Radionuclides (List)			
[a]Source: *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* (WAC) (DOE/WIPP-02-3122), Section 3 [b]If available			

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 8 – Waste Containers List – Example Form

(This attachment may be provided in a different format)

Site(s): _____

Waste Stream Number(s): _____

Waste Stream Description: _____

Number of Waste Containers in Waste Stream: _____

Total Existing Volume (m^3): _____

Is waste expected to be generated in the future?: _____

If yes, Estimated Future Volume (m^3): _____

Assumptions: _____

Waste Stream Container Evaluation Memo(s) for Added Containers: _____

Container Identification Number	Generation Date	Generation Point

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Attachment 9 – Waste Characterization Data Cross-Reference

NOTE: "X" identifies the methods of characterization for each parameter.

Characterization Parameters for Re-evaluation	Headspace Gas Analysis Data	Radiography Data	VE Data	Assay Data	Solid Waste Analysis Data
S3000:					
Summary Category Group, waste stream and Waste Matrix Code		X	X		
Waste Material Parameter Weights		X	X		
State and EPA Hazardous Waste Numbers		X	X		X
Radionuclide Content				X	
S4000:					
Summary Category Group, waste stream and Waste Matrix Code		X	X		
Waste Material Parameter Weights		X	X		
State and EPA Hazardous Waste Numbers		X	X		X
Radionuclide Content				X	
S5000:					
Summary Category Group, waste stream and Waste Matrix Code		X	X		
Waste Material Parameter Weights		X	X		
State and EPA Hazardous Waste Numbers	X	X	X		
Radionuclide Content				X	
LANL sealed sources waste streams meeting the qualification requirements of CCP-PO-001					
Summary Category Group, waste stream and Waste Matrix Code			X		

Attachment 9 – Waste Characterization Data Cross-Reference (Continued)

Characterization Parameters for Re-evaluation	Headspace Gas Analysis Data	Radiography Data	VE Data	Assay Data	Solid Waste Analysis Data
Waste Material Parameters			X		
State and EPA Hazardous Waste Numbers	X		X		
Radionuclide Content				X (AK Information)	
Sealed sources must be the only non-packaging items in the waste container, which must be verified using the VE technique at the time of packaging.			X		
Each sealed source must be, or be contained in, a rigid sealed container less than or equal to 4 liters in size, which must be verified using the VE technique at the time of packaging.			X		
The outer casing of each sealed source must be of a non-VOC bearing material, which must be verified using the VE technique at the time of packaging.			X		

EPA = Environmental Protection Agency
NDA = nondestructive assay
NDE = nondestructive examination (radiography)
S3000 = homogeneous solids summary category group
S4000 = soil/gravel summary category group
S5000 = debris waste summary category group
VE = visual examination

Attachment 10 – Acceptable Knowledge Re-evaluation Checklist – Example Form

Site(s): _____
Waste Stream Number(s): _____
Waste Stream Description: _____
NCR numbers(s) if applicable: _____
Inconsistency between waste characterization and acceptable knowledge information (describe): _____
_____

Requirements	Completed? Yes/No	Additional Documentation [a]
Review existing information based on the container identification number and document all differences in EPA Hazardous Waste Number assignments. [c]		
If differences exist in the EPA Hazardous Waste Numbers that were assigned, reassess and document all required AK information associated with the new designation. [b,c]		
Reassess and document all sampling and analytical data associated with the waste. [c]		
Verify and document that the reassigned Waste Matrix Code was generated within the specified time period, area and buildings, waste generating process, and that the process material inputs are consistent with the waste material parameters identified during RTR or VE.		
If NDA results indicate the presence of additional or different radionuclides in the waste, reassess and document AK and characterization information associated with the new information. [c]		
Record all changes to the AK records on the appropriate Attachments and resubmit to the CCP Facility Records Custodian.		
If unresolved discrepancies exist in the AK information for the reassigned Waste Matrix Code, EPA Hazardous Waste Numbers, or radionuclides, document the segregation of this container, and define the actions necessary to fully characterize the waste.		

a. Cite the source document, nonconformance report number, attachment, or other documentation used to support a change or no change.
b. If a toxicity characteristic contaminant is identified, it is not included as a listed waste, and analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
c. Not applicable for LANL sealed source waste stream.

Acceptable Knowledge Expert:

_____ Date: _____
Print Sign

Site Project Manager:

_____ Date: _____
Print Sign

Attachment 11 – Acceptable Knowledge Source Document Discrepancy Resolution – Example Form

Waste Stream Number(s): _____

Waste Stream Description: _____

AK Source Document Discrepancy Form Tracking Number:

Tracking #	Category[a]	Title	Document/Rev#	Author	Date	Publisher	Page #

Nature of Discrepancy:

Resolution:

Discrepancy Resolved: [ ] Yes [ ] No

Acceptable Knowledge Expert: _____ / _____ Date: _____
Print Sign

Site Project Manager: _____ / _____ Date: _____
Print Sign

[a]Published Document or Controlled Database (Pub.); Unpublished Data (Unpub.); Internal Procedure or Note (Proc.); Correspondence (Corr.) or Discrepancy (Disc.)

Attachment 12 – Example Form and Content Guide for AK Summary Reports

CCP-AK-SITE-XXX

Central Characterization Project
Acceptable Knowledge Summary Report
For

NAME OF THE SITE
NAME OF THE PROCESS

REVISION NUMBER
DATE

Printed Name

APPROVED FOR USE

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

TABLE OF CONTENTS
LIST OF TABLES
LIST OF FIGURES
LIST OF ATTACHMENTS
LIST OF ACRONYMS AND ABBREVIATIONS

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

1.0 EXECUTIVE SUMMARY

This Acceptable Knowledge (AK) Summary Report has been prepared for the Central Characterization Project (CCP) for Contact-Handled (CH) (Remote-Handled [RH]) Transuranic (TRU) waste generated and managed by *(NAME THE SITE[s])*. The waste described in this report was generated by (Building/Facility), (and the waste will be repackaged in [Building/Facility]). This report was prepared in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation* (Reference 1), to implement the AK requirements of (**RH only** -DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* [WCPIP] [Reference __]); *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan* (WIPP-WAP) (Reference __); and DOE/WIPP-02-3122, Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WIPP-WAC) (References __).

The WIPP WAP AK requirements are addressed in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* (Reference __). The WIPP-WAC AK requirements are addressed in CCP-PO-002, *CCP Transuranic Waste Certification Plan* (Reference __). Additionally, this report provides the AK information required by (**CH only** - CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control [*CCP CH-TRAMPAC] [Reference __]) **OR** (**RH only -** CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* [CCP RH-TRAMPAC] [Reference __]).

The CCP is tasked with certification of TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP). This report was developed in accordance with CCP-TP-005, *CCP Acceptable Knowledge Documentation,* (Reference 1), describes how acceptable knowledge AK is collected, reviewed, and managed by the CCP. The CCP is responsible for collection, review, and management of AK documentation in accordance CCP-TP-005 and reviews and approves this AK Summary Report. CCP maintains responsibility for this AK Summary Report and all CCP-TP-005 generated forms and records as quality assurance (QA) records. In addition, CCP maintains a copy of the “historical source documents” as non-QA records.

(Brief description of the waste stream, facility[ies], and generating process/activity).

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

This AK Summary Report, along with referenced supporting documents, provides a defensible and auditable record of AK for designated waste streams from the *NAME THE (FACILITY/PROCESS/ACTIVITY)*. The references and AK source documents used to prepare this report are listed in Sections 7.0 (8.0 for RH) and 8.0 (9.0 for RH). The source documents cited throughout this report are identified by alphanumeric designations corresponding to a unique Source Document Tracking Number (i.e., C001, D001, DR001, M001, P001, and U001 (as applicable to match Section 3).

This AK report includes information relating to the facility's history, mission, process operations, waste identification, characterization, and waste management practices. Information contained in this report was obtained from numerous sources, including facility safety basis documentation, historical document archives, generator and storage facility waste records and documents, and interviews with cognizant personnel.

This report and supporting source documentation provide the mandatory waste program and waste stream-specific information required by the WIPP-WAP (Reference 3). (**RH only -** This report also compiles data relevant to the applicable U.S. Environmental Protection Agency [EPA] requirements and presents the documentation necessary to satisfy each WCPIP data quality objective [DQO] and quality assurance objective [QAO] for RH TRU waste streams [Reference 2]).

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

2.0 WASTE STREAM IDENTIFICATION SUMMARY

Site Where TRU Waste Was Generated and Stored: *SITE ADDRESS and EPA ID*

Facility Where TRU Waste Was Generated: *NAME OF FACILITY*

Facility Mission: *DESCRIBE THE MISSION AND HOW THE WASTE WAS GENERATED*

2.1 Waste Stream #1 (Identifier and Name)

2.2 Waste Stream #2 (Identifier and Name) (repeat following for each waste stream)

Summary Category Group: (Assign per Section 4.4.11)

Waste Matrix Code Group: (Assign per Section 4.4.10)

Waste Matrix Code: (Assign per section 4.4.9)

TRUPACT-II Content Code (TRUCON): (Obtain TRUCON Code(s) from SPM

TRUPACT-III Content Code (TRUCON): (Obtain TRUCON Code(s) from SPM

Waste Stream Description:

As described in Section 5.4.1, waste stream (number) is comprised primarily of (describe type of waste).

(Describe any other specific waste items in the waste stream, equipment, items not included above, secondary waste/chemicals introduced during packaging/repackaging.)

This waste stream was determined to contain Resource Conservation and Recovery Act (RCRA)-regulated constituents and is assigned the following EPA hazardous waste numbers (HWNs): (list HWNs) (Refer to Section 5.4.3).

(Identify the two predominant radionuclides by mass and activity for waste characterized using NDA techniques) (Refer to Section 5.4.2)

(Identify potential prohibited items and characterization method[s] selected to ensure the absence of these items in the final packaging) (Refer to Section 5.4.5).

(Describe waste packaging/repackaging and final waste container configuration) (Refer to Section 5.5).

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

For CH - Waste Stream (number) meets the WIPP-WAP waste stream definition. The waste stream consists of waste materials that have common physical form, that contain similar hazardous constituents, and that are generated from a single process or activity.

For RH - Waste Stream (number) meets the WIPP-WAP and the WCPIP waste stream definitions. The waste is similar in material, physical form, hazardous constituents, and radiological properties and generated from a single process or activity.

3.0 ACCEPTABLE KNOWLEDGE DATA and INFORMATION

TRU waste destined for disposal at the WIPP must be characterized prior to shipment. Development of knowledge of the waste materials and processes that generate and control the waste is required to provide a clear and convincing argument about the characteristics of each waste stream. The AK characterization documented herein complies with the requirements of the
WIPP-WAP (Reference__) (**RH only**- and the WCPIP [Reference 1]) and was developed in accordance with of CCP-PO-001, (Reference ___), and CCP-TP-005(Reference 1).

[**RH only -** The WCPIP identifies waste characterization requirements and methods to satisfy requirements in:

- 40 Code of Federal Regulations (CFR) Part 191, *Environmental Radiation Protection Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes* (Reference __).
- 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR 191 Disposal Regulations* (Reference __).
- *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision* (Reference __).

Public Law 102-579, *The WIPP Land Withdrawal Act (LWA)* (Reference __).

[Include a summary of the types and sources of AK information used].

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

The references and AK sources used to prepare this report are listed in Sections 7.0 (8.0 for RH) and 8.0 (9.0 for RH), respectively. The AK sources referenced within this report by alphanumeric designations (e.g., C001, D001, DR001, M001, P001, and U001) correspond to the Source Document Tracking Number using the following convention: (include as applicable)

- C – Correspondence
- D – Documents
- DR – Discrepancy resolution
- M – Miscellaneous
- P – Procedures and Published documents
- U – Unpublished documents

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

4.0 REQUIRED PROGRAM INFORMATION

This section presents the mandatory TRU waste program information required by the WIPP-WAP and the WCPIP for waste stream (number)(References __ and __). This section provides a description of the facility and operations associated with the generation of (facility/building/operation) TRU waste. Included is a description of the (facility/building/operation), summary of the mission, defense determination, and descriptions of (other operations including D&D, maintenance, repackaging, etc.) operations associated with the generation of waste stream (number) are provided.

4.1 Facility Location
4.2 Facility Description
4.3 Facility Mission
4.4 Defense Waste Assessment
4.5 High-Level Waste and Spent Nuclear Fuel Assessment
4.6 TRU Waste Management
4.6.1 Types and Quantity of TRU Waste Generated
4.6.2 Correlation of Waste Streams Generated from the Same Building and Process
4.6.3 Waste Stream Identification, Categorization, and Delineation
4.7 Description of Waste Generating Process

4.8 Waste Certification Procedures

5.0 REQUIRED WASTE STREAM INFORMATION
(Repeat the following information in additional waste stream sections, as needed)

This section presents the mandatory TRU waste stream specific information required by the WIPP-WAP (**RH only -** and the WCPIP) for waste stream (number) (References __ and __). The area of generation, waste stream volume, period of generation, prohibited items, waste packaging, and the physical, chemical, and radiological composition of the waste stream are described.

5.1 Area and Building of Generation

5.2 Waste Stream Volume and Period of Generation

5.3 Waste Generating Activities

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

5.4 Type of Waste Generated
5.4.1 Materials Related to Physical Form
5.4.1.1Waste Matrix Code
5.4.1.2Waste Material Parameters
5.4.2 Radiological Characterization
5.4.3 Chemical Content Identification - Hazardous Constituents
5.4.3.1F-Listed Constituents
5.4.3.2Toxicity Characteristic Constituents
5.4.3.3U- and P-Listed Constituents
5.4.3.4K-Listed Constituents
5.4.3.5Ignitables, Reactives, and Corrosives
5.4.3.6State Hazardous Waste Code or Number Assignment (if applicable)
5.4.4 Polychlorinated Biphenyls
5.4.5 Prohibited Items
5.5 Waste Packaging

6.0 QUALIFICATION OF AK – (**RH Only)**

As stated in CCP-PO-002, *CCP Waste Certification Plan,* (Reference __), this AK Summary Report provides a description of the characterization of this RH waste stream. CCP-AK-ORNL-XXX, *CCP RH TRU Waste Certification Plan for 40 CFR 194 Compliance and Confirmation Test Plan for Waste Stream (number)* (Reference __), describes how each DQO and QAO is met along with the rationale for selection of the AK qualification methods used. As required by the WCPIP (Reference __), the description of waste stream (number) is provided in Sections 4.0 and 5.0. The description of the confirmatory testing process, the percentage of containers that are subjected to the process, a discussion of why the process is considered representative of the waste stream, and quantitative acceptance criteria is presented in CCP-AK-ORNL-XXX (Reference __).

The CCP intends to use a combination of methods to qualify the AK information associated with the [site/facility/building] waste stream because this will make the best use of the information available (such as existing sampling and analytical data). Table XX, Waste Stream (number) Determination Summary, lists the DQOs to be addressed using AK associated with waste stream [number] relating to the defense waste, radiological, and physical waste stream determinations. The location (page number, section, etc.) of the relevant information is identified in the AK source identified in Table XX.

Table XX. Waste Stream (number) DQO Determination Summary
(Provide a summary of the AK and identify the AK sources and the characterization method for each WCPIP DQO).

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

6.0 CONTAINER-SPECIFIC INFORMATION **(Section 7.0 for RH)**

(Provide a summary of the AK documentation reviewed, including a list of the container-specific information).

In accordance with procedure CCP-TP-005 (Reference 1), a CCP Waste Containers List (Attachment 8 of the procedure) is completed and maintained as a quality record for waste tracking purposes. Information tracked includes container identification number, waste stream number, and the closure date for each container.

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

7.0 REFERENCE INFORMATION **[Section 8.0 for RH]**

1. CCP-TP-005, *CCP Acceptable Knowledge Documentation,* Carlsbad, New Mexico, Washington TRU Solutions, LLC.

2. DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*, Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

3. *Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Waste Analysis Plan,* New Mexico Environment Department, Santa Fe, New Mexico

4. DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria For the Waste Isolation Pilot Plant,* Carlsbad, New Mexico, U.S. DOE Carlsbad Field Office

5. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan,* Carlsbad, New Mexico, Washington TRU Solutions, LLC.

6. CCP-PO-002, *CCP Transuranic Waste Certification Plan,* Carlsbad, New Mexico, Washington TRU Solutions, LLC.

7. CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC),* Carlsbad, New Mexico, Washington TRU Solutions, LLC.

8. CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC),* Carlsbad, New Mexico, Washington TRU Solutions, LLC.

10. DOE/LLW-217, *DOE Waste Treatability Group Guidance*, Idaho Falls, Idaho, INEL-Lockheed Idaho Technologies

11. 40 CFR Part 191, *Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes*, Washington, D.C., U.S. EPA

12. 40 CFR Part 194, *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations*, Washington, D.C., U.S. EPA

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

13. *Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations: Certification Decision*, Washington, D.C., U.S. EPA

14. Public Law 102-579, *The Waste Isolation Pilot Plant Land Withdrawal Act*, October 30, 1992 as amended by Public Law 104-201

15. 42 U.S.C 10101, *Nuclear Waste Policy Act of 1982*, U.S. Congress

Attachment 12 – Example Form and Content Guide for AK Summary Reports (Continued)

8.0 AK SOURCE DOCUMENTS **[Section 9.0 for RH]**

Document Number	Title

[INSERT ALL REFERENCED FIGURES]

Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form

CCP Waste Stream Characterization Checklist

Site(s):

Waste Stream Number: Lot # (if applicable)

Waste Stream Description:

Acceptable Knowledge Information or other data points[a]	Characterization Method(s)[b]	Acceptable Knowledge Re-evaluation Required? Yes/No[c]?	Comments[d]
Physical waste form/description			
Waste material parameters weights			
Waste percent volume consistent with nondestructive examination or visual examination data and audio/video tapes or equivalent media			
Summary category group assignment			
Waste matrix code assignment			
Absence of prohibited items			
Tentatively identified compounds[f]			
EPA Hazardous Waste Number assignment[e]			
Toxicity characteristic code assignment			
UCL_{90} > PRQL?			
VOCs from packaging materials or radiolysis present			
State Hazardous Waste Number assignment			
Radionuclides present			
Other radiological parameters: (specify)			

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Attachment 13 – CCP Waste Stream Characterization Checklist – Example Form (Continued)

CCP Waste Stream Characterization Checklist

Additional Comments:_____

a. Identified in the AK Summary Report or included in the in-process record documentation (e.g., BDR's)
b. Use the *Acceptable Knowledge and Waste Characterization Data Cross-Reference (Attachment 9)* to identify applicable testing, sampling, and analysis information to resolve the acceptable knowledge information, as applicable.
c. If "yes," AKE completes an *Acceptable Knowledge Re-evaluation Checklist.*
d. Identify the source of the waste characterization information (e.g., batch data report). Note if AK sufficiency scenarios 1, 2, or 3 are applicable.
e. Ensure that, if a toxicity characteristic contaminant is identified, it is not included as a listed waste, and if analytical data regarding the concentration are not available, the corresponding EPA Hazardous Waste Number is applied.
f. Tentatively Identified Compounds identified in the Headspace Gas Summary Report were identified on the Hazardous Constituent List, Attachment 5

Site Project Manager:

Date:

Print Sign

Acceptable Knowledge Expert:

Date:

Print Sign

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Attachment 14 – CCP Acceptable Knowledge Accuracy Report – Example Form

CCP Acceptable Knowledge Accuracy Report

Site(s):_____

Waste Stream Number(s):_____

Waste Stream Description:_____

Waste Containers:	Waste Matrix Code Reassigned? (Y/N)	EPA Hazardous Waste Number Reassigned? (Y/N)	Radiological Data Consistent with AK? (Y/N)

Total containers in this report:_____
Total containers consistent with AK: _____
Percent containers consistent with AK:_____

Site Project Manager:
_____/_____ Date:_____
Print Sign

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Attachment 15 – CCP TRU Waste Correlation and Surrogate Summary Form – Example Form

CCP TRU Waste Correlation and Surrogate Summary Form

Generator/Storage Site(s):_____

Waste Stream(s):_____

Waste Used to Correlate:_____

Waste Used as Surrogate:_____

Information	Y/N	Source of Information
Is physical form identified?		
Are chemicals identified?		
Is the absence of prohibited items confirmed?		
Are radiological data described?		

Explain/Justify the Use of Correlating/Surrogate Waste Stream Information:
(Attach additional supporting information, as applicable)

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CCP-TP-028

Revision 8

CCP
Radiographic Test Drum and Training Container Construction

EFFECTIVE DATE: 06/17/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
2	02/04/2004	In response to CAR No: CAR-CCP-010-03, revision change to create electronically fillable form and update references. Change FQAO to CCP Training and add Facility Records Custodian in Responsibilities section of procedure. Minor editorial corrections throughout procedure. Revision to Waste codes on Attachment 1 and fillable form.
3	01/19/2006	Revised procedure steps and Attachment 1, CCP NDE Test Drum Inventory Sheet to allow for multiple Summary Category Groups to be represented in a test/training drum. Revised Drum Contents section of Attachment 1 to include WAP-required items and other non-WAP items.
4	05/26/2010	Revised to clarify the difference between a Test Drum and a Training Drum and how they are to be constructed.
5	07/27/2010	Revised to correct editorial errors.
6	12/29/2010	Revised to incorporate training containers in place of training drums. Also revised training container assembly procedures to meet the requirements of the revised *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*
7	07/13/2012	Revised to allow Vendor Project Manager (VPM) to assemble Training Containers.
8	06/17/2013	Revised to include section 4.3 Reconfiguration of Previously Assembled Training Containers.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5

3.0 RESPONSIBILITIES 6
3.1 Vendor Project Manager (VPM) or Cognizant Engineer (CE) 6
3.2 CCP Training 6

PROCEDURE 7
4.1 Test Drum Assembly 7
4.2 Assembling Training Containers 9
4.3 Reconfiguration of Previously Assembled Training Containers 10

5.0 RECORDS 11

LIST OF ATTACHMENTS

Attachment 1 – CCP NDE Test Drum Inventory Sheet 12
Attachment 2 – CCP NDE Training Container Inventory Sheet 13

1.0 PURPOSE

The purpose of this procedure is to provide the requirements for the assembly of nondestructive examination (NDE) test drums and training containers, required by CCP-PO-002*, CCP Transuranic Waste Certification Plan* and training containers, required by CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan,* and the *CH-TRU Payload Appendices* which are used to qualify Radiography Operators in accordance with CCP-QP-002, *CCP Training and Qualification Plan.*

1.1 Scope

This procedure provides the instruction for assembling test drums and training containers. Test drums are representative of the Waste Matrix Codes (WMC) for which the Waste Stream Profile Form (WSPF) approval is being sought. Training containers are required to be scanned semi-annually.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- *CH-TRU Payload Appendices*

Referenced Documents

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*

3.0 RESPONSIBILITIES

3.1 Vendor Project Manager (VPM) or Cognizant Engineer (CE)

3.1.1 Ensures that test drums and training containers are constructed in accordance with the requirements of this procedure.

3.1.2 Completes Attachment 1, CCP NDE Test Drum Inventory Sheet, and Attachment 2, CCP NDE Training Container Inventory Sheet.

3.2 CCP Training

3.2.1 Tracks the use of test drums and training containers to ensure that testing and evaluation of NDE Operators are conducted on test drums and training containers, as specified in CCP-QP-002.

PROCEDURE

4.1 Test Drum Assembly

NOTE
Test Drums are to be assembled representing all three Summary Category Groups, with the bottom ¼ being sludge, a spacer (e.g., cardboard), next ¼ being naturally occurring soil, and the top half containing debris using the listed required items and other material representing all the waste material parameters for debris.

VPM

4.1.1 Identify **AND** obtain the items needed to match the WMCs (items common to the waste streams to be characterized).

4.1.2 Obtain the following required items for each drum to be constructed:

[A] US Department of Transportation (DOT) Type A 55-gallon drum

[B] Aerosol can with puncture

[C] Horsetail bag (Liner Bag)

[D] Pair of coveralls

[E] Empty bottle

[F] Irregular-shaped pieces of wood

[G] Empty one-gallon paint can

[H] Full container

[I] Aerosol can with fluid

[J] One-gallon bottle with three tablespoons of fluid

[K] One-gallon bottle with one cup of fluid

[L] Leaded glove or leaded apron

[M] Wrench

4.1.3 Construct the test drum(s) as follows:

NOTE
NDE test drum identification number format is NDE-TEST-01, NDE-TEST-02.

[A] Label the test drum with a unique identification number obtained from Central Characterization Program (CCP) Training.

[B] Record the test drum identification number and date on Attachment 1.

[C] Place sludge and spacer in drum.

[D] Place soil in drum.

NOTE
The one-gallon bottle with one cup of fluid (step 4.1.2[K]) MUST be placed upside down in the test drum. In addition, the test drum will be divided into layers with varying densities to represent different situations that may occur during radiography examinations.

[E] Place the remaining items listed in Section 4.1.2 (steps 4.1.2[B] through 4.1.2[M]), along with items common to the waste stream(s) (step 4.1.1), in the test drum.

[F] Record the placement of items (step 4.1.3[E]) on Attachment 1.

[G] Secure the lid to the test drum using the outside ring.

[H] Place a tamper indicating device/lock on the test drum.

[I] Complete Attachment 1, print name, sign, **AND** date on Attachment 1.

4.1.4 Repeat steps in Section 4.1.3 for each NDE test drum constructed.

4.1.5 Submit Attachment 1, in accordance with CCP-QP-008, *CCP Records Management*.

4.2 Assembling Training Containers

CE or VPM

4.2.1 Obtain the following items for each training container to be constructed:

- Container type regularly examined, for example a 55-gallon drum or standard waste box (SWB)
- Items which can be identified by real-time radiography (RTR), items that are representative of the physical properties of the waste based on acceptable knowledge documentation reviewed (including internal containers of various sizes with various amounts of liquid), and prohibited items (for example, liquids in excess of one percent)

NOTE
NDE Training container identification number format is NDE-TRAINING-01.

4.2.2 Label the training container with a unique identification number obtained from the training department.

4.2.3 Place the items in the containers.

4.2.4 Record training container identification number on Attachment 2.

4.2.5 Record date of construction on Attachment 2.

4.2.6 Record the inventory of the items on Attachment 2.

4.2.7 Install the container lid.

4.2.8 Install tamper indicating device/lock on the training container.

4.2.9 Print name, sign, and date Attachment 2.

4.2.10 Repeat steps in Section 4.2 for each NDE training container constructed.

4.2.11 Forward Attachment 2 to CCP Training.

4.3 Reconfiguration of Previously Assembled Training Containers

CE or VPM

4.3.1 Obtain the following items for each container to be reconfigured.

- Container to be reconfigured
- Current inventory list of the container
- New waste stream specific items listed in the site's AK documents

4.3.2 Empty contents of the training container EXCEPT for the soil and sludge.

4.3.3 Label the training container with a unique identification number obtained from the training department.

4.3.4 Empty liquid from internal containers.

4.3.5 Refill internal containers with an amount of liquid different than previous inventory sheet indicates with some being prohibited amounts.

4.3.6 Place items back into the container EXCEPT any waste stream specific items previously included on the inventory.

4.3.7 Place new waste stream specific items in the container.

4.3.8 Record training container identification number on Attachment 2.

4.3.9 Record date of construction on Attachment 2.

4.3.10 Record the inventory of the items on Attachment 2.

4.3.11 Install the container lid.

4.3.12 Install tamper indicating device/lock on the training container.

4.3.13 Print name, sign, and date Attachment 2.

4.3.14 Forward Attachment 2 to CCP Training.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent Records

[A] Attachment 1 – CCP NDE Test Drum Inventory Sheet

[B] Attachment 2 – CCP NDE Training Container Inventory Sheet

Attachment 1 – CCP NDE Test Drum Inventory Sheet

Test drum identification number:	Date:
Drum contents:	

CCP-PO-002 required items	Other items
1. Aerosol can with puncture	1.
2. Horsetail bag (Liner Bag)	2.
3. Pair of coveralls	3.
4. Empty bottle	4.
5. Irregular-shaped pieces of wood	5.
6. Empty one-gallon paint can	6.
7. Full container	7.
8. Aerosol can with fluid	8.
9. One-gallon bottle with three (3) tablespoons of fluid	9.
10. One-gallon bottle with one (1) cup of fluid (upside down)	10.
11. Leaded glove or leaded apron	11.
12. Wrench	12.

Comments:

VPM Printed Name	Signature	Date

Attachment 2 – CCP NDE Training Container Inventory Sheet

Training container identification number:	Date:
Container contents:	
1.	14.
2.	15.
3.	16.
4.	17.
5.	18.
6.	19.
7.	20.
8.	21.
9.	22.
10.	23.
11.	24.
12.	25.
13.	26.
Comments:	

CE or VPM Printed Name	Signature	Date

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CCP-TP-030

Revision 32

CCP
CH TRU Waste Certification and WWIS/WDS Data Entry

EFFECTIVE DATE: 06/20/2013

Mike Ramirez

PRINTED NAME

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
24	08/20/2008	Revised in response to Central Characterization Project Corrective Active Report CAR 08-025, deleted Characterization Data System Waste Certification Official review form, and made editorial changes.
25	01/22/2009	Revised to update data sources for the Waste Isolation Pilot Plant (WIPP) Waste Information System (WWIS) Data Spreadsheet (SS). Also made minor editorial changes.
26	05/27/2009	Revised to implement changes made to the *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC).
27	12/14/2009	Revised to allow use of the Waste Data System (WDS).
28	05/12/2010	Revised to include steps for direct load 100-Gallon drums that require characterization prior to placement in a direct load Standard Waste Box (SWB) and for minor editorial changes.
29	04/26/2011	Revised Attachment 2, WCO Waste Certification Requirements, to include Standard Large Box 2 (SLB2) Waste Certification Official (WCO) Waste Certification Requirements. Also revised Sections 3.1.6, 4.2.6, and Attachment 1 of the Data Sources for the WDS Master Template.
30	05/21/2012	Revise Table 1, Data Sources for the WDS Master Template, to include the acceptable knowledge (AK) Tracking Spreadsheet (SS) for another source for Layers of Confinement; added the reference for the Transuranic Package Transporter (TRUPACT)-III; added new records section for waste data system (WDS) flammable gas analysis (FGA) Certification.
31	11/19/2012	Revised to address CAR-CCP-0003-12 and various editorial changes. Also revised to better streamline the nonconformance report (NCR)/Corrective Action Report (CAR) quality assurance (QA) request.
32	06/20/2013	Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC) changes.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Software 6
2.5 Precautions and Limitations 6
2.6 Prerequisite Actions 6
2.7 Definitions 7

3.0 RESPONSIBILITIES 8
3.1 Site Project Manager (SPM) or Designee 8
3.2 Quality Assurance (QA) 8
3.3 Waste Certification Official (WCO) or Designee 8
3.4 Waste Certification Assistant (WCA) 8

4.0 PROCEDURE 10
4.1 Obtaining and Changing Access to the WWIS/WDS 10
4.2 Verifying WSPF in WWIS/WDS Tables and Listing Associated Containers 10
4.3 Entering and Verifying Characterization Data Using the WDS Master Template 11
4.4 Waste Certification (By Container of Waste) 17
4.5 Waste Certification Data Submittal 18
4.6 Data Entry into the WWIS/WDS of FGA Data Generated by CCP for Non-CCP Waste Containers 20
4.7 Container Selection and certification for Overpacks/Load Management Containers using the WWIS/WDS 24
4.8 Waste Certification (For Site-to-Site Shipments Only) 27
4.9 Waste Certification Data Submittal for Site-To-Site Shipments 29

5.0 RECORDS 32

LIST OF TABLES

Table 1. Data Sources for the WDS Master Template 14

LIST OF ATTACHMENTS

Attachment 1 – Entering of Content Code and Shipping Category into the WWIS/WDS . 33
Attachment 2 – WCO Waste Certification Requirements 34

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1.0 PURPOSE

The purpose of this procedure is to describe the steps the Central Characterization Program (CCP) uses for certifying contact-handled (CH) transuranic (TRU) waste for disposal at the Waste Isolation Pilot Plant (WIPP). This procedure also describes the process for entering data into the WIPP Waste Information System (WWIS)/Waste Data System (WDS) and reporting data on containers for disposal at the WIPP.

In addition, this procedure may be used to enter data into the WWIS/WDS for site-to-site waste shipments using Transuranic Package Transporter (TRUPACT)-IIs, TRUPACT-IIIs, or HalfPACTs. Site-to-site waste shipments are defined as shipments with destinations to sites other than the WIPP for storage, characterization, or treatment, and are distinct from site-to-WIPP waste shipments for disposal.

1.1 Scope

This procedure defines the parameters necessary for certification of CH TRU waste for disposal at the WIPP. This procedure includes the records that are generated to document that the CCP Waste Certification Official (WCO) has performed the necessary verifications and has certified the waste for disposal.

This procedure also describes how to obtain access and enter data into the WWIS/WDS for containers to be certified for disposal at the WIPP.

This procedure also describes the steps for entering data into the WWIS/WDS for site-to-site waste shipments. Site-to-site waste shipments are shipments of waste destined for sites other than the WIPP.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-TP-035, *CCP Container Management*
- CCP-TP-068, *CCP Standardized Container Management*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- *CH-TRU Payload Appendices*

Referenced Documents

- DOE/WIPP-09-3427*, Waste Data System User's Manual*
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- DOE/WIPP-01-3194, *CH-TRU Waste Content Codes (CH-TRUCON)*
- DOE/WIPP-11-3458, *TRUPACT-III CONTENT CODES (TRUCON-III)*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-050, *CCP TRUPACT-III TRU Waste Authorized Methods for Payload Control (CCP TRUPACT-III TRAMPAC)*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
- CCP-TP-120, *CCP Container Management*

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2.2 Training Requirements

2.2.1 Personnel who use this procedure to certify waste will be trained and qualified to the requirements for the WCO in accordance with CCP-QP-002, *CCP Training and Qualification Plan*.

2.2.2 Personnel who use this procedure to enter data will be trained and qualified to the requirements for the Waste Certification Assistant (WCA) in accordance with CCP-QP-002*.*

2.2.3 Personnel who use this procedure to enter data into the WWIS/WDS will refer to DOE/WIPP-09-3427, *Waste Data System User's Manual.*

2.3 Equipment List

2.3.1 None.

2.4 Software

2.4.1 WDS Master Template.XLS

2.4.2 SRS IPAN TEMPLATE.XLS

2.4.3 WWISMCLB.XLS

2.4.4 FGECheckU23511172004.XLS

2.4.5 concat_wds_files.bat

2.4.6 clean_container_files.bat

2.4.7 WDS FGA Template.XLSM

2.5 Precautions and Limitations

2.5.1 None.

2.6 Prerequisite Actions

2.6.1 None.

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2.7 Definitions

2.7.1 None.

NOTE
The Data Administrator (DA) in this document refers to the WWIS/WDS DA.

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3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM) or Designee

3.1.1 Confirms that personnel performing this procedure are trained and qualified in accordance with applicable requirements in CCP-QP-002.

3.1.2 Prepares a list of candidate containers for certification and submits to the WCO and WCA.

3.1.3 Notifies the WCO and WCA of approved WSPF.

3.1.4 Notifies the WCO and WCA of completed Lot Characterization Information Summary (CIS).

3.1.5 Serves as focal point for resolution of data issues.

3.2 Quality Assurance (QA)

3.2.1 Provides assistance in verifying data, completing documentation, and reviewing requirements and provides status of applicable Nonconformance Reports (NCRs) and Corrective Action Reports (CARs).

3.2.2 Confirms, individually and with an independent verification (does not have to be Quality Assurance [QA]), that there are no unresolved NCRs and/or CARs for containers to be certified when requested by the WCA or WCO.

3.3 Waste Certification Official (WCO) or Designee

3.3.1 Confirms that WCOs and WCAs are granted access to the WWIS/WDS.

3.3.2 Obtains a copy of the approved WSPF for applicable containers to be certified.

3.3.3 Certifies the data for the container to be certified as identified on the WDS Spreadsheets (SS) (WDS Master Template).

3.4 Waste Certification Assistant (WCA)

3.4.1 Works with the WCO to obtain access to the WWIS/WDS.

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3.4.2 Gathers copies of data for each container from CCP Records or the Site Project Manager (SPM) that show data to be entered into the WDS Master Template.

3.4.3 Generates the WDS Master Template and has a second WCA confirm the data is transferred correctly to the WDS Master Template. The second data entry person verifies the information and places initials and date in the WDS Master Template prior to certification by the WCO.

3.4.4 Forwards the WDS Master Template to the WCO for certification.

3.4.5 Requests that QA confirm that NCRs and/or CARs associated with containers to be certified have been resolved, as appropriate, via electronic mail (E-mail).

3.4.6 Submits the container data from the WDS Master Template to the WWIS/WDS, as applicable.

3.4.7 Submits data package to CCP Records Custodian in accordance with CCP-QP-008, *CCP Records Management.*

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4.0 PROCEDURE

4.1 Obtaining and Changing Access to the WWIS/WDS

WCO

4.1.1 Determine which personnel need access to the WWIS/WDS (see Section 4.0 of DOE/WIPP-09-3427).

4.1.2 Request WWIS/WDS access for each person by filling out a WIPP/WDS access request form and submitting it to a DA with a copy provided to the SPM.

4.1.3 Notify the DA when personnel who have received WWIS/WDS access:

[A] Leave the project;

[B] No longer need WWIS/WDS access; **OR**

[C] Need to change the type of WWIS/WDS access.

CCP Personnel

4.1.4 Once the DA has been notified by the WCO that access is to be granted, contact the DA to receive WWIS/WDS training and a WWIS/WDS username in accordance with the DOE/WIPP-09-3427.

4.2 Verifying WSPF in WWIS/WDS Tables and Listing Associated Containers

SPM

4.2.1 Obtain the WSPF Number in accordance with CCP-TP-002.

4.2.2 Request the DA establish the WSPF Number in the WWIS/WDS.

4.2.3 Confirm that the WSPF Number is correct in the WWIS/WDS Reference Table upon notification that the DA has added the WSPF Number to the WWIS/WDS.

4.2.4 Notify the WCO and WCA of the WSPF.

4.2.5 Develop a list of containers for certification under the appropriate WSPF.

4.2.6 Review the list of containers for certification, revise as necessary, **AND** submit the list to the WCO and WCA when the CIS is complete.

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4.3 Entering and Verifying Characterization Data Using the WDS Master Template

WCA

4.3.1 Obtain, from CCP Records or the SPM, a copy of the appropriate WSPF, Batch Data Reports (BDRs), Packaging Records, Acceptable Knowledge (AK) Summary Report, AK Tracking SS, and radiological survey data as applicable.

NOTE

When entering data that has been analyzed by the Imaging Passive/Active Neutron (IPAN) instrument, the WCA must use the appropriate Savannah River Site (SRS) IPAN Template.

4.3.2 Use copies of appropriate BDRs or other data source, from CCP Records or the SPM, as listed in Table 1, Data Sources for the WDS Master Template, to enter characterization data into the appropriate WDS Master Template for each container record used to support the WSPF.

NOTE

Section 4.3.3 is for data entry of waste that requires characterization prior to placement in a direct loaded Standard Waste Box (SWB).

4.3.3 Standard Waste Box(es) (SWBs) Direct Loaded

[A] **IF** the container is **NOT** a SWB direct loaded,
THEN proceed to step 4.3.4.

[B] Add up the Waste Material Parameters (WMPs) from the real-time radiography (RTR) or visual examination (VE) data sheets for the drums loaded in the SWB, **AND** enter on the WDS Master Template as single values for the SWB.

[C] Add up the drum weights, **AND** enter the value as steel waste by adding the value to the WMP for the steel waste on the WDS Master Template.

[D] Add up the drum liner weights, **AND** enter the value as plastic waste by adding the value to the WMP for plastic waste on the WDS Master Template.

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[E] **IF** the drums to be direct-loaded require gas generation testing (GGT) data,
THEN add up the GGT values for each drum and enter a single value for the SWB on the WDS Master Template,
AND report the oldest GGT completion date of the drums.

[F] **IF** the drums to be direct loaded are from a Polychlorinated Biphenyl (PCB) Waste Stream,
THEN assign the earliest closure date or the earliest Out-of-Service date on the AK tracking SS of the direct-loaded drums as the Out-of-Service date for the PCB waste in the SWB.

[G] **IF** a flammable gas test is run on the SWB,
THEN use the results.

[H] **IF** SWB does not have flammable gas results,
THEN proceed to step 4.3.3[I].

NOTE

Use a flammable gas analysis (FGA) sample date one day after the closure and vent.

[I] The Volatile Organic Compound (VOC) concentration values for each 55-gallon drum packaged in the SWB shall be compared, and the highest single value for each flammable VOC shall be selected for reporting as the SWB values on the WDS Master Template.

4.3.4 Enter DOE/WIPP-01-3194, *CH TRU Waste Content Codes* (CH-TRUCON) or DOE/WIPP-11-3458, *TRUPACT-III Content Codes* (TRUCON-III) as described in Attachment 1, Entering of Content Code and Shipping Category into the WWIS/WDS.

4.3.5 Enter shipping categories as described in Attachment 1, if necessary.

4.3.6 Enter initials and submit the completed WDS Master Template to a second WCA for verification.

WCA (Verifier)

4.3.7 Confirm the data entered into the WDS Master Template for each container record by checking the data to confirm the accuracy and completeness of the data.

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4.3.8 **IF** there are any discrepancies,
THEN the correction must be made by a WCA.

4.3.9 **IF** the discrepancies CAN **NOT** be resolved,
THEN provide the WDS Master Template to the WCO or SPM for resolution.

4.3.10 **WHEN** the WDS Master Template is complete and verified,
THEN enter initials and date verified in the SS, print WDS Master Template, **AND** submit to the WCO.

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Table 1. Data Sources for the WDS Master Template

Field Label	Source
Characterization, Certification, and Shipping Data	
Shipper Site ID or Site ID Location ID Destination Program ID Shipping Purpose	CIS and WDS reference table
Waste Stream Profile	AK Summary Report
Container Number	Completed CIS (Add "BN" to front of ID Number for the Advanced Mixed Waste Treatment Project [AMWTP] containers not being Overpacked); AK Tracking SS
Container Type	Packaging records; visual inspection; AK Summary Report; or designate for Overpacking, AK Tracking SS
Waste Acceptance Criteria (WAC) Rev #	DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
Cert Site	CIS and WDS reference table
Cert Date	Date WCO certifies payload container
Waste Handling Code	CH Radioassay BDR; Radiological Characterization BDR; WSPF
Waste Type Code	WSPF or AK Summary Report (if no Hazardous Waste Numbers, enter TRU) TRU or mixed-TRU (MTRU)
Waste Stream Baseline Inventory Report (BIR) ID Waste Stream Mixed Waste Inventory Report (MWIR) ID	WSPF or AK Summary Report
Generator Site ID Item Description Code (IDC) Code Matrix Code	WSPF or AK Summary Report AK Summary Report (not applicable [NA] if no IDC available) WDS reference table
TRUCON Code	AK Summary Report, WSPF. See Attachment 1 and the CH-TRUCON or TRUCON-III.
Shipping Category	CH-TRUCON or TRUCON-III
TRU Alpha Act TRU Alpha Act Uncertainty TRU Alpha Act Concentration (conc.) Pu-239 Fissile Gram Equivalent Pu-239 Fissile Gram Equivalent Uncertainty Pu-239 eq. act. Decay Heat Decay Heat Uncertainty	Radioassay BDR, Radiological Characterization BDR Note – Nondestructive Assay (NDA) uncertainties must be reported to the WWIS/WDS at 1-sigma. Verify the data to be submitted to WWIS/WDS is at 1-sigma.

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Table 1. Data Sources for the WDS Master Template (Continued)

Field Label	Source
Layers of Packaging	VE BDR, RTR BDR, AK Tracking SS or AK Summary Report
Fill Factor	VE BDR, RTR BDR or AK Summary Report
Liner Type or Liner Exists	VE BDR, RTR BDR or AK Summary Report
Liner Lid Present	VE BDR, RTR BDR or AK Summary Report
Liner Punctured, Liner Hole Size	VE BDR, RTR BDR, or AK Summary Report. No liner lid indicates liner is vented with default hole size of 478 mm for a 55-gallon drum
PCB Waste PCB Concentration PCB Mass PCB Out-Of-Service Date	WSPF or AK Summary Report VE BDR, RTR BDR, or AK Tracking SS
Aqueous Material Beryllium (Be) less than or equal to 100 kg Be less than or equal to 1% Be Present Machine Compacted	AK Tracking SS or AK Summary Report
Closure Date	AK Tracking SS, Remediated Drum SS, IDC, FGA BDR
Vent Date	AK Tracking SS, Remediated Drum SS, IDC, FGA BDR
Filter Install Date Filter Manufacturer Filter Model Number Number of Filters Installed	FGA BDR, VE BDR, AK Tracking SS, Remediated Drum Sheet, Drum Filter Change Out Form, or Container Inspection Report, SLB2 Vent Configuration Sheet
Waste Gen Date Filter Reduction Date Reduced Filter Model	AK Tracking SS
Aspiration Method ID	AK Tracking SS, Remediated Drum SS, AK Summary Report, FGA BDR, Off-site Sealed Source Recovery (OSR) Project AK Summary Report
Gas Generation Rate Hydrogen/Methane Gen. Rate Gas Generation Completion Date	GGT BDR, Long Term Objective (LTO) as applicable
Gross Weight	VE BDR, Radiography BDR, CCP-TP-120, *CCP Container Management* (OSR only),
Gross Weight Uncertainty	2.3 kg for drums, 16.3 kg for SWBs, and 90.7 kg for SLB2s may be entered as the bounding case where actual measurement data is not readily available

Table 1. Data Sources for the WDS Master Template (Continued)

Field Label	Source
Alpha Surf Cont Beta/Gamma Surf Cont Neutron Dose Rate Beta/Gamma Dose Rate	Radiological Control Technician (RCT) Report
Radionuclide Data Radionuclide Activity (curie [Ci] Activity Uncertainty (Ci) Assay Method Data Radioassay Method Data Package Number Assay Date (actual assay date)	Radioassay BDR, Radiological Characterization BDR Note – NDA uncertainties must be reported to the WWIS/WDS at 1-sigma. Verify the data to be submitted to WWIS/WDS is at 1-sigma. Certification Letters or Certified Equipment List
Material Parameter Data WMP Weight of Material Parameter	VE BDR or Radiography BDR, AK Summary Report
Characterization Method Data Charz Method ID Data Package Number Charz Method Date	RTR, VE BDR, Certification Letters or Certified Equipment List
Hazardous Waste Numbers Data Hazardous Waste Numbers	WSPF or AK Summary Report
Sample Type Layer No. Sampled Date Sampled Method ID Data Package Number	FGA BDR, OSR AK Summary Report
Analyte	FGA BDR, OSR AK Summary Report, Certification Letters, or Certified Equipment List Analytical BDR
Concentration (% volume [vol.], milligram/kilogram [mg/kg], parts per million [ppm]) Date Analyzed	FGA BDR, OSR AK Summary Report
Reporting Flag D Reporting Flag U Reporting Flag N/A	FGA BDR, OSR AK Summary Report

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4.4 Waste Certification (By Container of Waste)

NOTE
Steps 4.4.1 through 4.4.13 can be performed in any order.

WCO

4.4.1 Verify the appropriate WDS Master Template is being used.

NOTE
For waste streams that are approved for load management, TRU alpha activity concentrations of less than 100 nanocuries per gram (nCi/g) are allowable, if containers meet step 4.4.7, and must be assigned an overpack status.

4.4.2 Confirm that the TRU alpha activity concentration is greater than 100 nCi/g for each payload container.

4.4.3 Confirm that the WDS Master Template contains accurate and complete information for the container by checking that the WCA has completed their input and review.

4.4.4 **IF** there are any open NCRs/CARs,
THEN verify that each container certified has no unresolved NCRs/CARs.

4.4.5 Review the waste stream information against the applicable Content Code and data sources to confirm the waste is **NOT** an incompatible waste.

4.4.6 Verify that the WDS Master Template contains the correct WSPF Number for that container as listed in the AK Tracking SS.

4.4.7 Verify at least one TRU isotope is greater than the lower limit of detection (LLD) for waste containers.

4.4.8 Confirm the criteria on Attachment 2, WCO Waste Certification Requirements, have been met.

4.4.9 **IF** the Methane concentrations is greater than or equal to 1,250 ppm,
THEN the container is **NOT** eligible for certification.

4.4.10 **IF** the Methane concentration is less than the minimum detectable limit (MDL) as indicated by a “U” flag,
THEN adjust the Methane concentration to 2.5 percent of the Hydrogen concentration, as appropriate.

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4.4.11 **IF** the NDA BDR was run on a version of Gamma-Ray Waste Assay Software (GWAS) prior to 2.3cGen **AND** either U-233 or U-235 is above LLD,
THEN recalculate the fissile gram equivalent (FGE) using FGECheckU23511172004.xls.

4.4.12 **IF** GGT is indicated for the waste container,
THEN ensure that the shipping period of the selected Shipping Category is valid for the testing period of GGT.

NOTE

The designator "BN" must be added to the beginning of the Container number for all data sets for waste containers from AMWTP waste streams and containers **NOT** designated to be overpacked. This designator is only required to be applied to the Container ID for submittal to the WWIS/WDS.

WCO

4.4.13 **IF** the container is certifiable,
THEN sign and date the WDS Master Template, **AND** forward to WCA for submittal to WWIS/WDS **AND** proceed to step 4.5.4.

4.4.14 **IF** container is **NOT** certifiable,
THEN attempt to resolve issue with SPM.

4.4.15 **IF** a deficiency in data is identified after a Container Data Folder is created and before submittal to the WWIS/WDS,
THEN perform the following:

[A] Write a description of the deficiency near the top of Page 1 of the WDS Master Template.

[B] Initiate an NCR in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* as necessary.

4.4.16 **IF** a container does not have an approved/proper TRUCON code,
THEN have the container put on an electronic exclusion in the Integrated Data Center (IDC) database.

4.5 Waste Certification Data Submittal

WCA

4.5.1 Request that QA confirms that each container certified and entered into the WDS Master Template has **NO** unresolved NCRs and/or CARs, if applicable.

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QA

4.5.2 Prepare a report verifying that each container certified has **NO** unresolved NCRs and/or CARs.

4.5.3 Forward report to WCA.

NOTE
The WCA uses a macro (CreateTmpTables) and ancillary worksheets that are part of the WDS Master Template.

WCA

4.5.4 Generate tab-delimited files from the electronic WDS Master Template corresponding to the WWIS/WDS Database Tables by selecting the Create Temp Tables button.

4.5.5 OPEN TempTables Folder to run batch programs, **AND** run concat_wds_files to copy all containers into upload files readable by WWIS/WDS.

4.5.6 LOGON to the WWIS/WDS.

[A] Select Data Upload Function.

[B] Select Browse to open Temp Tables Folder.

[C] Select the text file to be uploaded.

[D] Select Certification or Characterization based on whether or not the waste stream is approved.

[E] Select perform evaluations as applicable.

[F] Select upload containers.

[G] **IF** container upload is successful,
THEN GO TO step 4.5.7.

[H] **IF** container upload fails,
THEN select view exit codes or print error messages on screen as applicable.

[I] **IF** container transfer error(s) can be fixed,
THEN fix errors, **AND** repeat steps 4.5.6[A] through 4.5.6[I] until successful, **OR** container errors CAN **NOT** be fixed.

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[J] **IF** container transfer CAN **NOT** be fixed,
THEN exit the system, **AND** RETURN Container Data Folder to WCO.

4.5.7 **WHEN** complete,
THEN Open the TempTables Folder and RUN clean_container_files to clear the TempTables Folder of all upload file data.

4.5.8 **IF** a deficiency is identified after the container data is submitted to the WWIS/WDS,
THEN:

[A] Request in writing CCP management approval for the WCO to reject the container from the WWIS/WDS, if applicable, **AND**

[B] Obtain confirmation that the container is rejected, if applicable.

[C] Initiate an NCR in accordance with CCP-QP-005, as necessary.

4.5.9 Compile the following items used in the submission of data to the WWIS/WDS, **AND** submit to CCP Records:

[A] The completed WDS Master Template for each CH Packaging Payload Container submitted to and approved by the WWIS/WDS.

[B] NCR/CAR check from QA E-mail.

[C] Any correspondence (e.g., memorandum/E-mail notifications) associated.

WCO or WCA

4.6 Data Entry into the WWIS/WDS of FGA Data Generated by CCP for Non-CCP Waste Containers

4.6.1 Obtain List of Non-CCP Waste Containers that require CCP-Generated FGA Data from Ad Hoc Query from WWIS/WDS.

4.6.2 Entering and Verifying FGA Data for Non-CCP Waste Containers using the WDS FGA Template.

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WCA

[A] Obtain, from CCP Records or the WCO, a copy of the FGA BDRs.

[B] Use copies of FGA BDRs from CCP Records or a WCO as listed in Table 1 to enter FGA data into the appropriate WDS FGA Template for each waste container.

[C] Enter initials **AND** submit the completed WDS FGA Template to a WCA for verification.

NOTE

Section 4.6.2[D] is for data entry of waste that requires characterization prior to placement in a direct loaded SWB.

NOTE

Use a FGA sample date one day after the closure and vent.

[D] For SWBs Direct Loaded, the VOC concentration values for each 100-gallon drum packaged in the SWB shall be compared and the highest single value for each flammable VOC shall be selected for reporting as the SWB values on the WDS FGA Template.

WCA (Verifier)

[E] Confirm the data entered into the WDS FGA Template for each container record by checking the data to confirm the accuracy of the data.

[E.1] **IF** there are any discrepancies,
THEN forward to a WCA for correction.

[E.2] **IF** the discrepancies CAN NOT be resolved,
THEN provide the WDS FGA Template to a WCO for resolution.

[E.3] **WHEN** the WDS FGA Template is complete **AND** verified,
THEN enter initials and date verified on the SS, **AND** submit to the WCO.

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4.6.3 Waste Certification of Non-CCP Waste Containers with CCP-Generated FGA Data

WCO

[A] Verify the appropriate WDS FGA Template is being used.

[B] Confirm that the WDS FGA Template contains accurate information for the non-CCP waste container by checking that the appropriate review and input has been completed.

NOTE

Steps [C] and [D] shall only be performed for 100-gallon drums containing 55-gallon puck drums.

[C] **IF** the hydrogen/methane concentration is greater than 5,883 ppm, but less than 17,150 ppm,
THEN designate the container for a 10-day controlled shipment.

[D] **IF** the hydrogen/methane concentration is greater than or equal to 17,150 ppm,
THEN place the non-CCP waste container on hold, **AND** initiate an NCR in accordance with CCP-QP-005.

[E] **IF** the Methane concentration is less than the MDL as indicated by a “U” flag,
THEN adjust the Methane concentration to 2.5 percent of the Hydrogen concentration, as appropriate.

[F] Select and enter appropriate shipping category for non-CCP waste container.

[G] **IF** a deficiency in data is identified after a WDS FGA Template is created and before copying data to the WWIS/WDS,
THEN place the waste container on hold, **AND** initiate an NCR in accordance with CCP-QP-005, as necessary.

[H] **IF** the container is certifiable,
THEN sign and date the WDS FGA Template, **AND** forward to a WCA.

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QA

[I] Prepare report verifying that each non-CCP waste container being certified has **NO** unresolved CCP NCRs and/or CCP CARs.

[J] Forward report to WCA and WCO.

WCA

[K] Generate tab-delimited files from the electronic WDS FGA Template corresponding to the WWIS/WDS container record by selecting the Create Temp Tables Button.

[L] Open TempTables Folder to run batch programs, **AND** RUN concat_wds_files.to copy all containers into upload files readable by the WWIS/WDS.

[M] LOGON to the WWIS/WDS.

[M.1] Select Data Upload Function.

[M.2] Select Browse to find upload file.

[M.3] Select Certification.

[M.4] Select upload containers.

[N] **IF** container upload is successful,
THEN go to step 4.6.3[R].

[O] **IF** container upload fails,
THEN select view exit codes or print error messages on screen as applicable.

[P] **IF** container transfer error(s) can be fixed,
THEN fix errors, **AND** repeat steps 4.6.3[M] through 4.6.3[P] until successful, **OR** container errors CAN **NOT** be fixed.

[Q] **IF** container transfer error(s) CAN NOT be fixed,
THEN exit the system, **AND** RETURN Container Data Folder to WCO.

[R] Go to Container Certification Data Submittal.

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[S] Open the Container in the WWIS/WDS container certification date submittal, **AND** enter all data that was not part of the WDS FGA Template flat files.

[T] Perform eTRAMPAC evaluation.

[U] **IF** non-CCP waste container fails the eTRAMPAC evaluation,
THEN submit to a WCO for resolution, **OR** initiate an NCR in accordance with CCP-QP-005, if applicable.

[V] **IF** non-CCP waste container passes the eTRAMPAC evaluation,
THEN submit the WDS FGA Template to a WCO.

[W] **WHEN** complete,
THEN open the TempTables Folder AND run clean_container_files to clear the TempTables Folder of all unused data that is **NOT** in useable WWIS/WDS format.

[X] Exit the WWIS/WDS.

WCO (Verifier)

[Y] Confirm the data entered into the WWIS/WDS by checking the WDS FGA Template to confirm the accuracy and completeness of the data.

[Z] **IF** there are any discrepancies,
THEN submit to a WCA for correction.

[AA] **WHEN** data is accurate and complete,
THEN sign and date the WDS FGA Template.

NOTE

The WWIS/WDS Overpack Data Entry Module utilizes edit limit checks when data is entered and selected. The WWIS/WDS steps in the following section may be repeated until Overpack compliance is satisfied. Default data may be used to generate the build list for the Transportation Certification Officials (TCOs).

WCO

4.7 Container Selection and certification for Overpacks/Load Management Containers using the WWIS/WDS

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4.7.1 LOGON to the WWIS/WDS.

4.7.2 Enter the Overpack Planning and Completion Module.

4.7.3 Select New.

4.7.4 Enter the data for the Overpack information and select search.

[A] Select Overpack Configuration

[B] Select Certification Program ID

[C] Select Current Location

[D] Select Destination Site ID

[E] Select Shipping Program

[F] Select Waste Stream Profile Code

[G] Select Search

4.7.5 Select the Containers for the Overpack.

4.7.6 Enter filter model number, number of filters, and date of filter installation and add as applicable.

4.7.7 Perform evaluation checks.

4.7.8 Select Accept and Enter Overpack number.

NOTE

To have the WWIS/WDS perform the edit and limit checks on the Overpack/Load Management Container without submitting the Overpack/Load Management Container for approval as in step 4.7.21, the WCO can select all evaluations as applicable and select execute checks.

4.7.9 Enter Beta/Gamma and Neutron dose rate, if applicable.

4.7.10 Enter Shipping Purpose.

4.7.11 Enter the Closure and Vent Date of the Overpack/Load Management Container, if applicable.

4.7.12 Enter the WAC revision number.

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4.7.13 Enter Alpha Surface and Beta/Gamma Surface Contamination, if applicable.

4.7.14 Enter filter model number, number of filters, and date of filter installation, and add as applicable.

4.7.15 Select all evaluation checkbox, select execute checks, **AND**
IF fail,
THEN repeat steps 4.7.4 through 4.7.14 as applicable.

4.7.16 Generate Overpack Build List.

4.7.17 Send Overpack Build List to applicable TCO's.

4.7.18 Receive the Loading Form from the TCO and enter the required certification data, **AND** enter certification date.

4.7.19 For the ten-drum overpacks (TDOPs), verify that the heavier drums are on the bottom layer and the lighter drums are on the top layer.

4.7.20 Submit the Overpack/Load Management Container for approval.

4.7.21 After successful submittal for approval, print the Overpack data report and print title, sign, and date the cover page of the report.

4.7.22 Compile the following items used in the submission of data to the WWIS/WDS, **AND** submit to CCP Records in accordance with CCP-QP-008:

[A] Copies of the data containing the Overpack/Load Management Container, radiological survey, and filter information used to enter data above.

[B] The completed Waste Container Data Report for the data submitted.

[C] Correspondence (e.g., memorandum/E-mail notifications).

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4.8 Waste Certification (For Site-to-Site Shipments Only)

NOTE

The following section is only to be used for containers to be shipped to destinations other than WIPP. These containers are CCP containers that will be sent to a destination site other than WIPP for additional processing as needed. The steps that follow are for transportation only of the container to the site for additional processing and the return shipment from the additional processing location back to the original site. Only CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP-CH-TRAMPAC),* parameters are required to be entered.

WCA

4.8.1 Obtain, from CCP Records or the SPM, a copy of the appropriate WSPF, BDRs, Packaging Records, AK Summary Report, AK Tracking SS, and radiological survey data as applicable.

4.8.2 Use copies of appropriate BDRs or other data sources, from CCP Records or the SPM, as listed in Table 1, to enter characterization data into the appropriate WDS Master Template for each container record being used to support the WSPF.

WCA (Verifier)

4.8.3 Confirm the data entered into the WDS Master Template for each container record by checking the data to confirm the accuracy and completeness of the data.

4.8.4 **IF** there are any discrepancies,
THEN the correction must be made by a WCA.

4.8.5 **IF** the discrepancies CAN **NOT** be resolved,
THEN provide the WDS Master Template to the WCO or SPM for resolution.

4.8.6 **WHEN** the WDS Master Template is complete **AND** verified,
THEN enter initials and date verified in the SS, print WDS Master Template, **AND** submit to the WCO.

WCO

4.8.7 Verify the appropriate WDS Master Template is being used.

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4.8.8 Confirm that the WDS Master Template contains accurate and complete information for the container by checking that the WCA has completed their input and review.

4.8.9 **IF** there are any open NCRs/CARs,
THEN verify that each container certified has no unresolved NCRs/CARs.

4.8.10 Review the waste stream information against the applicable Content Code and data sources to confirm the waste is **NOT** an incompatible waste.

4.8.11 Verify that the WDS Master Template contains the correct WSPF Number, if applicable, for that container as listed in the AK Tracking SS.

4.8.12 Verify at least one TRU isotope is greater than the LLD for waste containers.

4.8.13 Confirm the criteria on Attachment 2, have been met.

4.8.14 **IF** the Methane concentration is greater than or equal to 1,250 ppm,
THEN the container is NOT eligible for certification.

4.8.15 **IF** the Methane concentration is less than the MDL as indicated by a “U” flag,
THEN adjust the Methane concentration to 2.5 percent of the Hydrogen concentration, as appropriate.

4.8.16 **IF** the NDA BDR was run on a version of GWAS prior to 2.3cGen **AND** either U-233 or U-235 is above LLD,
THEN recalculate the FGE using FGECheckU23511172004.XLS.

4.8.17 **IF** GGT is indicated for the waste container,
THEN ensure that the shipping period of the selected Shipping Category is valid for the testing period of GGT.

WCO

4.8.18 **IF** the container can be shipped,
THEN sign and date the WDS Master Template, **AND** forward to WCA for submittal to WWIS/WDS.

4.8.19 **IF** container can NOT be shipped,
THEN proceed to step 4.8.22.

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WCA

4.8.20 Proceed to step 4.9.

WCO

4.8.21 **IF** there is an issue with data,
THEN attempt to resolve issue with SPM.

4.8.22 **IF** a deficiency in data is identified after a Container Data Folder is created and before submittal to the WWIS/WDS,
THEN perform the following:

[A] Write a description of the deficiency near the top of Page 1 of the WDS Master Template.

[B] Initiate an NCR in accordance with CCP-QP-005, as necessary.

4.9 Waste Certification Data Submittal for Site-To-Site Shipments

WCA

NOTE
The WCA uses a macro (CreateTempTables) and ancillary worksheets that are part of the WDS Master Template.

4.9.1 Request that QA confirms that each container being entered into the WDS Master Template has NO unresolved NCRs and/or CARs, if applicable.

QA

4.9.2 Prepare a report verifying that each container has NO unresolved NCRs and/or CARs.

4.9.3 Forward report to WCA.

WCA

4.9.4 Generate tab-delimited files from the electronic WDS Master Template corresponding to the WWIS Database Tables/WDS by selecting the Create Temp Tables button.

4.9.5 OPEN TempTables Folder to run batch programs, **AND** run concat_wds_files to copy all containers into upload files readable by WWIS/WDS.

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4.9.6 LOG ON to the WWIS/WDS.

[A] Select Data Upload Function

[B] Select Browse button to open Temp Tables folder

[C] Select the text files to be uploaded

[D] Select Intersite Shipping Module

[E] Select perform evaluations and do not save if fail, as applicable.

[F] Select upload containers

[G] **IF** container upload is successful,
THEN GO TO step 4.9.7.

[H] **IF** container upload fails,
THEN select view exit codes or print error messages on screen, as applicable.

[I] **IF** container transfer error(s) can be fixed,
THEN fix errors, **AND** repeat step 4.9.6[A] through 4.9.6[I] until successful, **OR** container errors CAN **NOT** be fixed.

[J] **IF** container transfer CAN NOT be fixed,
THEN exit the system, **AND** return Container Data Folder to WCO.

4.9.7 **WHEN** complete,
THEN Open the TempTables Folder and RUN clean_container_files to clear the TempTables Folder of all upload file data.

4.9.8 **IF** a deficiency is identified after the container data is submitted to the WWIS/WDS,
THEN:

[A] Request in writing (e.g., E-mail), with management approval, that the DA reject the container from the WWIS/WDS, if applicable, **AND**

[B] Obtain confirmation (e.g., E-mail) from the DA that the container is on HOLD **OR** rejected, if applicable, **AND**

[C] Initiate an NCR in accordance with CCP-QP-005, as necessary.

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4.9.9 Compile the following items used in the submission of data to the WWIS/WDS, **AND** submit to CCP Records in accordance with CCP-QP-008:

[A] The completed WDS Master Template for each CH Packaging Payload Container submitted to and approved by the WWIS/WDS.

[B] NCR/CAR check from QA E-mail.

[C] Any correspondence (e.g., memorandum/E-mail notifications) associated.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Container Certification:

[A.1] WDS Master Template

[A.2] Correspondence (memorandum/E-mail notifications)

[A.3] Radiological Survey Information, if applicable

[B] Overpack Certification:

[B.1] Overpack Data Report (for Overpacks only, e.g., TDOP, SWB)

[B.2] Radiological Survey Information, if applicable

[B.3] Correspondence (memorandum/E-mail notifications)

[C] WDS FGA Certification

[C.1] WDS FGA Template

[C.2] Correspondence (memorandum/E-mail notifications)

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Attachment 1 – Entering of Content Code and Shipping Category into the WWIS/WDS

1. INTRODUCTION

This attachment describes the steps used to enter assigned Content Codes into the WDS Master Template using various sources of characterization data. Entering the Content Code is performed by the waste certification staff based on the waste material contents and the layers of packaging used for each container. Content Code assignment is reviewed and approved by the WCO during container certification.

2. ASSIGNING THE NUMERIC VALUE

Assign the Content Code based on the container waste stream assignment. The Content Code identified in AK will be confirmed by RTR and VE when performed, and to confirm the absence of incompatible waste in the waste stream. Enter the Content Code in WDS Master Template.

3. ASSIGNING A LETTER DESIGNATOR FOR LEGACY WASTE

For retrievably-stored waste, the letter designator of the Content Code is assigned using packaging information from the following sources which are listed in order of priority of usage:

- VE BDRs, if available
- If RTR information is undetermined, use the default assignment given in (or determined from) the AK Summary Report for the applicable waste stream

4. OTHER

For waste packaged under a DOE CBFO audited and approved certification program (newly generated waste exempted from RTR), use the Content Code assigned in the packaging documents.

5. SHIPPING CATEGORY

After selection of appropriate Content Code using the CH-TRUCON or TRUCON-III, assign the Shipping Category number and document on the WDS Master Template.

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Attachment 2 – WCO Waste Certification Requirements

Acceptable Container 55-gallon drums, 100-gallon drums, Shielded Container SWB TDOP Standard Large Box 2 (SLB2)
Gross Weight 55-gallon drum – varies (1000/453.6 kg max) Shielded Container – 2,260 lbs max SPO 6" pipe- <328 SPO 12" pipe, and gamma, neutron shielded 12" pipe - <547 SPO neutron shielded 6" pipe - <550 SWB – 4000 lbs TDOP – 6700 lbs SLB2 – 10500 Ibs
Surface Contamination <20 dpm/100 cm^2 alpha & <200 dpm/100 cm^2 beta-gamma
Liner (if present) punctured filtered
Properly aspirated/ filter vents Drum: See Minimum Filter Vent Specifications of CCP-PO-003. Shielded Container: See Minimum Filter Vent Specifications of CCP-PO-003. SWB: See Minimum Filter Vent Specifications of CCP-PO-003. TDOP: See Minimum Filter Vent Specifications of CCP-PO-003. SLB2: See Minimum Filter Vent Specification of CCP-PO-050, *CCP TRUPACT-III TRU Waste Authorized Methods for Payload Control (CCP TRUPACT-III TRAMPAC).*
Ten Required Isotopes AM-241; PU-238, -239, -240, -242; U-233, -234, -238; Sr-90; Cs-137. -1 value for LLD if expected. 0 value for LLD if not expected.
Pu-239 FGE + 2X error (Be ≤ 1 wt. %) ≤ 200 (55-gallon drum, Shielded Container) ≤ 325 SWB, TDOP, SLB2 ≤ 5 Kg Be & ≤ 200 55-gallon drum pipe overpack
Pu-239 FGE + 2X error (Be > 1 wt. %) ≤ 100 (Drum, SWB, TDOP, SLB2) (Be from AK)
Be prohibited > 100 Kg/55-gallon Be > 18.14kg SWB, TDOP, SLB2 (Be from AK) >1% Shielded Container
Pu-239 Equiv. Activity ≤ 80 Drum, Shielded Container ≤ 560 (SWB, SLB2 direct load) ≤ 800 TDOP ≤ 1100 (Good 55-gallon drum overpacked into 85-gallon drum) ≤ 1200 (good SWB into TDOP) ≤ 1200 (overpacked 55, 85 undamaged into SWB, TDOP) ≤ 1800 (pipe overpacks, S100, S200, S300) ≤ 1800 all solidified/vitrified waste
Radiation Dose Equivalent < 200 mrem/hr contact, except S100 pipe overpack < 179 mrem/hr & S300 pipe < 155 mrem/h
Pyrophorics Radioactive < 1 w/o Non-rad. pyrophorics – prohibited
Hazardous Waste Codes permitted for disposal at WIPP
No explosives
No corrosives
No pressurized containers
PCBs Not all sites approved removed service date, mass, type of waste

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Attachment 2 – WCO Waste Certification Requirements (Continued)

Closure and Vent Date correct
Lot ID
Correct/Most Current BDR

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CCP-TP-033

Revision 21

CCP
Shipping of
CH TRU Waste

EFFECTIVE DATE: 02/18/2014

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
2	12/17/2001	Addition of Attachment 6 - Container Integrity Checklist and other minor changes throughout procedure.
3	05/20/2002	The procedure is updated to the requirements of Rev 19 of the TRAMPAC and compatibility to the WAC DOE/WIPP 02-3122
4	06/26/2003	Revised sections 3.1.4, 4.1, and 4.2, added section 3.4, and other minor editorial changes. Revised CCP-TP-033-A1. Separated electronically fillable forms and updated references in procedure.
5	09/19/2003	Added reference DOE/WIPP 02-3220, *CH Packaging Operations for High Wattage Waste at LANL.*
6	10/12/2004	Revised to incorporate more generic title descriptions to accommodate the use of different titles at the sites. Added fillable forms back into procedure.
7	11/22/2004	Incorporation of CH-TRAMPAC Revision 1 requirements.
8	01/25/2005	Incorporation of requirements for controlled shipments.
9	03/23/2005	Incorporated changes to support the newly required requirements in DOE/WIPP 02-3184 Rev. 2.
10	02/01/2006	Revised to incorporate *CH-TRAMPAC*, Revision 2 requirements and *TRUPACT-II Safety Analysis Report*, Revision 21 requirements, and other editorial changes throughout procedure.
11	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit-requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Revised to implement confirmation activities and to consolidate transportation Waste Isolation Pilot Plant Waste Information System (WWIS) steps from CCP-TP-030, *CCP TRU Waste Certification and WWIS Data Entry.* Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
12	03/07/2007	Added reference to 40 CFR Part 761, Subpart C § 761.40, Marking of PCBs and PCB Items.

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RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
13	03/28/2008	Revised to implement the new Waste Isolation Pilot Plant (WIPP) Waste Acceptance Criteria (WAC) requirements and editorial changes. Also for the implementation of Advanced Mixed Waste Treatment Project (AMWTP) process.
14	11/05/2008	Revised to incorporate a second drum label verification as required by Central Characterization Project (CCP) Corrective Action Report (CAR)-LANL-0004-08. Also, revised to incorporate editorial changes and updates from shipping requirements.
15	07/08/2009	Revised based on changes in Revision 3 of the *CH-TRAMPAC* from the U.S. Nuclear Regulatory Commission (NRC). Editorial changes were also made. Polychlorinated Biphenyls (PCBs) checks added.
16	12/11/2009	Revised to incorporate Waste Data System (WDS) operations. Editorial changes were also made.
17	05/18/2010	Revised to align procedure with modifications made to the WDS system, and editorial corrections.
18	12/29/2010	Minor revision to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
19	05/23/2011	Revised to incorporate TRUPACT-III Shipping Certification
20	06/19/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
21	02/18/2014	Revised to incorporate action required by Waste Isolation Pilot Plan (WIPP) Form ACT 13-304-6.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Training Requirements 8
2.3 Equipment List 9
2.4 Precautions and Limitations 9
2.5 Prerequisite Actions 11
2.6 Definitions 11

3.0 RESPONSIBILITIES 12
3.1 Transportation Certification Official (TCO) 12
3.2 Radiological Control Technician (RCT) or Equivalent Position 12
3.3 CCP CH Packaging and Transportation Team 12
3.4 Host Site Shipping Coordinator 13
3.5 State Motor Vehicle Department (SMVD) 13

4.0 PROCEDURE 14
4.1 WDS Data Entry/CH Shipment Certification 15
4.2 Shipping Preparations 19
4.3 Inspections and Loading Operations 20
4.4 Shipping Completion 23
4.5 Shipment Receipt 25

5.0 RECORDS 26

LIST OF ATTACHMENTS

Attachment 1 – CCP Shipping Site Control Checklist for Controlled Shipments 28
Attachment 2 – CCP Receiving Site Control Checklist for Receipt of Controlled Shipments 29
Attachment 3 – Land Disposal Restriction Exemption Notification 30
Attachment 4 – CCP Dunnage Certification Statement 32
Attachment 5 – CCP Container Integrity Checklist 33
Attachment 6 – Payload Accessories 36
Attachment 7 – (TRUPACT-III) CCP Shipping Site Control Checklist for Controlled Shipments 37
Attachment 8 – (TRUPACT-III) CCP Receiving Site Control Checklist for Controlled Shipments 38

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1.0 PURPOSE

This procedure establishes requirements for assembling transuranic (TRU) waste payloads and performance of shipments in contact-handled (CH) packaging containers and ensures that the requirements of one of the following are met (as applicable):

- CCP-PO-003, (TRUPACT-II/HalfPACT), *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-050, CCP TRUPACT-III, *TRU WASTE Authorized Methods for Payload Control (CCP TRUPACT-III TRAMPAC)*
- U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) audited/approved site-specific CH TRU Waste Authorized Methods Payload Control (CH-TRAMPAC)

1.1 Scope

This procedure applies to the personnel who conduct the following transportation functions:

- CH packaging payload container and assembly verification.
- Assembling and loading the CH packaging containers.
- Reviewing shipping paper, marking, labeling, and placarding associated with each shipment of CH TRU waste transported in CH packaging containers by the Central Characterization Program (CCP).
- Radiological Control Technician (RCT) or equivalent position functions associated with CH packaging and transportation operations.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- Appendix to 40 *Code of Federal Regulations* (CFR), *Protection of Environment,* Part 262, *Standards Applicable to Generators of Hazardous Waste, Uniform Hazardous Waste Manifest and Instructions* (EPA Forms 8700-22 and 8700-22A and their instructions)
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-TP-030, *CCP CH TRU Waste Certification and WWIS/WDS Data Entry*
- DOE/WIPP-01-3194, *CH-TRU Waste Content Codes* (CH-TRUCON)
- DOE/WIPP 02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- DOE/WIPP 02-3183, *CH Packaging Program Guidance*
- DOE/WIPP 02-3185, *CH Packaging Maintenance Manual*
- DOE/WIPP 11-3456, *TRUPACT-III Program Guidance*
- DOE/WIPP 11-3458, *TRUPACT-III Content Codes (TRUCON-III)*
- 40 CFR Part 262, *Standards Applicable to Generators of Hazardous Waste*
- 40 CFR Part 262, Subpart B, *The Manifest* § 262.20, *General Requirements*
- 40 CFR Part 262, Subpart C*, Pre-Transport Requirements*
- 40 CFR Part 761, *Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions: Subpart C Marking of PCB's and PCB Items* § 761.40

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- 49 CFR, *Transportation,* Part 172, *Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, Training Requirements, and Security Plans Subpart C* § 172.200, *Applicability*

- 49 CFR Part 172 Subpart H § 172.704, *Training Requirements*

- 49 CFR 172, Subpart G, *Emergency Response Information*

- 49 CFR Part 173, *Shippers – General Requirements for Shipments and Packagings,* Subpart I, *Class 7 Radioactive Materials* § 173.401 through 173.476

- *Safety Analysis Report for the TRUPACT-II Shipping Package* (SARP) (Docket 9218, Washington, D.C., U.S. Nuclear Regulatory Commission [NRC])

- *Safety Analysis Report for the HalfPACT Shipping Package* (SARP) (Docket 9279, Washington, D.C., U.S. NRC)

- Safety Analysis Report for the TRUPACT-III Shipping Package (SARP) (Docket 71-9305, Washington, D.C., U.S. NRC)

Referenced Documents

- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*

- CCP-PO-050, *CCP* TRUPACT-III*, TRU Waste Authorized Methods for Payload Control (CCP TRUPACT-III TRAMPAC)*

- CCP-QP-002, *CCP Training and Qualification Plan*

- CCP-QP-008, *CCP Records Management*

- *CH TRU Payload Appendices*

- DOE/WIPP-02-3184, *CH Packaging Operations Manual*

- DOE/WIPP 11-3451, *TRUPACT-III Operations Manual*

- DOE/WIPP-02-3220, *CH Packaging Operations for High-Wattage Waste*

- 10 CFR Part 21, *Reporting of Defects and Noncompliance*

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- 10 CFR Part 71, *Packaging and Transportation of Radioactive Materials*
- 40 CFR Part 262, Subpart B, *The Manifest*
- 40 CFR Part 262, Subpart C § 262.31, *Labeling*
- 40 CFR Part 262, Subpart C § 262.32, *Marking*
- 40 CFR Part 262, Subpart C § 262.33, *Placarding*
- 40 CFR Part 268, *Land Disposal Restrictions*, Subpart A, *General*
- 40 CFR Part 761, Subpart C § 761.40, *Marking of PCBs and PCB Items*
- 49 CFR Part 172, Subpart C, *Shipping Papers* § 172.201 through 172.205
- 49 CFR Part 172, Subpart D, *Marking* § 172.300 through 172.338
- 49 CFR Part 172, Subpart E, *Labeling* § 172.400 through 172.450
- 49 CFR Part 172, Subpart F, *Placarding* § 172.500 through 172.560
- TRANSCOM 2000 Designated User Handbook
- DOE/WIPP-09-3427, *Waste Data System User's Manual*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.2.2 CCP Transportation Certification Officials (TCOs) completing the Payload Container Transportation Certification Documents (PCTCDs), Overpack Payload Container Transportation Certification Documents (OPCTCDs), and Payload Assembly Transportation Certification Documents (PATCDs), Payload Transportation Certification Documents (PTCD), as required by this procedure, are qualified in accordance with CCP-QP-002 prior to performing this procedure.

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2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 Nonconformances related to defects or failure to comply with requirements applicable to NRC-licensed packaging (e.g., TRUPACT-II, TRUPACT-III, HalfPACT) shall be reported to the CBFO Office of National TRU Program. The Waste Isolation Pilot Plant (WIPP) management and operating (M&O) contractor will evaluate issues and nonconformances for reporting to the NRC under 10 CFR Part 21, *Reporting of Defects and Noncompliance*, or 10 CFR Part 71, *Packaging and Transportation of Radioactive Materials*, and provide the results of this evaluation to CBFO.

2.4.2 TRUPACT-II/HalfPACT payload containers must have filter vents installed as specified in Section 2.5 of CCP-PO-003.

2.4.3 TRUPACT-III, Standard Large Box 2 (SLB2) payloads must have filter vents installed as specified in Section 2.4 of CCP-PO-050.

2.4.4 TRUPACT-II/HalfPACT Dunnage Containers

[A] Dunnage containers used for payload assembly shall have open vent ports (not filtered or plugged).

[B] Dunnage containers used for payload assembly shall be labeled either Dunnage or Empty.

[C] Dunnage shall have a unique serial number. If dunnage constitutes any of the following: seven packs, four packs, three packs, or standard waste box (SWBs), then the unique serial number is **NOT** required.

[D] Dunnage containers shall meet the requirements of Section 2.2 of CCP-PO-003.

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2.4.5 Radiation Dose Rates and Removable Surface Contamination

[A] The external radiation dose rates of individual payload containers and a loaded CH package to be shipped shall be less than or equal to 200 millirem/hour (mrem/hr) at the surface, and less than or equal to 10 mrem/hr at two meters for beta/gamma and neutron.

[B] Removable surface contamination of individual payload containers and a loaded CH package to be shipped to the WIPP shall **NOT** be greater than 20 disintegrations per minute (dpm)/100 centimeters square (cm^2) for alpha emitting radionuclides and 200 dpm/100 cm^2 for beta/gamma emitting radionuclides.

2.4.6 Controlled Shipments

[A] TRUPACT-II, For High-Wattage Waste Shipments, attachments from DOE/WIPP-02-3220, *CH Packaging Operations for High-Wattage Waste,* will be used to control and document loading, transport, and unloading times.

[B] For all other CCP Controlled TRUPACT-II Shipments, Attachment 1, CCP Shipping Site Control Checklist for Controlled Shipments, and Attachment 2 or equivalent, CCP Receiving Site Control Checklist for Receipt of Controlled Shipments, will be used to control and document loading, transport, and unloading times.

[C] For CCP Controlled TRUPACT-III Shipments, (Attachment 7, [TRUPACT-III] CCP Shipping Site Control Checklist for Controlled Shipments, and Attachment 8, [TRUPACT-III] CCP Receiving Site Control Checklist for Controlled Shipments), or equivalent, CCP Receiving Site Control Checklist for Receipt of Controlled Shipments, will be used to control and document loading, transport, and unloading times.

[D] Receipt sites may use CBFO-approved site-specific Controlled Shipment Receipt Forms in place of Attachment 2 and/or 8 (as applicable), provided that the same information is recorded and a completed copy is returned to the applicable TCO.

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2.5 Prerequisite Actions

2.5.1 Ensure that workers who will be working in a radiation area have read the applicable Radiation Work Permit (RWP) or equivalent site-specific document.

2.6 Definitions

2.6.1 **CH Package** – TRUPACT-II, TRUPACT-III, or HalfPACT

2.6.2 **Generator** – The organization/individual that generated the waste and/or is offering the waste for transport.

2.6.3 **Land Disposal Restrictions (LDR) Notification** – Notification to a receiving facility that the waste is subject to Land Disposal Restrictions (LDR) (from 40 CFR, Part 268, *Land Disposal Restrictions*, Subpart A, *General*).

2.6.4 **Shipper** – Authorized personnel who declare, by signing the shipping paper, that the contents of the package are fully and accurately described, packaged, labeled/placarded, and proper for conditions of transport per appropriate regulations.

2.6.5 **Shipping Paper** – Uniform Hazardous Waste Manifest (UHWM) or Straight Bill of Lading-Short Form. The shipping paper accompanies the waste during transportation.

2.6.6 **Straight Bill of Lading-Short Form** – Shipping paper used to transport non-mixed radioactive TRU waste.

2.6.7 **Uniform Hazardous Waste Manifest (UHWM)** – The U.S. Environmental Protection Agency (EPA) Form 8700-22 prepared by a generator who transports or offers for transportation hazardous waste for off-site treatment, storage, or disposal (from 40 CFR Part 262, Subpart B, *The Manifest*).

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3.0 RESPONSIBILITIES

3.1 Transportation Certification Official (TCO)

3.1.1 Interfaces and coordinates with the generator, shipper, Site Project Manager (SPM), Waste Certification Official (WCO), CCP Quality Assurance (QA), and CCP Operations Leaders to plan payloads for shipment.

3.1.2 Documents and certifies that containers prepared for shipments in CH packaging meet specified shipping criteria using the PCTCD, PATCD, PTCD, and OPCTCD spreadsheets and the Waste Data System (WDS) as appropriate.

3.1.3 Reviews payload certification documentation to ensure compliance with the applicable CCP CH-TRAMPAC requirements or a CBFO audited/approved site-specific CH-TRAMPAC.

3.1.4 Requests and obtains approval/authority from WIPP to effect WIPP shipments.

3.1.5 Provides the necessary TRU waste shipping data to the Host site Shipping Coordinator.

3.1.6 Ensures all manifests and shipping papers are correct, as required.

3.1.7 Ensures all labeling, marking, and placarding is correct, as required.

3.1.8 Provides PATCDs, PTCDs, and/or WDS Reports to the CCP CH Packaging and Transportation Team.

3.2 Radiological Control Technician (RCT) or Equivalent Position

3.2.1 Provides contamination and radiation surveys to the TCO for shipment certification purposes.

3.3 CCP CH Packaging and Transportation Team

3.3.1 Ensures the payload assembly and CH Packaging Containers are prepared in accordance with this procedure.

3.3.2 Ensures visible container identification (ID) labels, within a payload assembly, are an exact match to the ID numbers listed on the applicable PATCD or PTCD (as applicable).

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3.4 Host Site Shipping Coordinator

3.4.1 Interfaces with TCO and acts as the site point-of-contact (POC) for operations, manifesting, and release of shipments.

3.4.2 Assists TCO in scheduling and facilitating TRU waste shipments.

3.4.3 Provides data received from TCO to the Host site transportation and material control/accountability groups (as applicable).

3.5 State Motor Vehicle Department (SMVD)

3.5.1 Performs Commercial Vehicle Safety Alliance (CVSA) inspections of the tractor, trailer, and CH packages.

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4.0 PROCEDURE

NOTE

The WDS utilizes edit and limit checks when data is entered and selected. The WDS steps in Section 4.1 may be repeated until payloads and shipping compliance is satisfied.

NOTE

Steps in this procedure may be performed in parallel as applicable.

NOTE

Steps in this procedure are performed by the TCO, unless another group/discipline is mentioned in the step or a note preceding the step.

NOTE

Trained and qualified TCOs perform the WDS operation per the guidance found in DOE/WIPP-09-3427, *Waste Data System User's Manual*. The WDS manual is NOT required to be opened when performing the task listed below, but shall be available if questions arise.

NOTE

Contact Information of organizations called out in this procedure are listed as follows. Specific email addresses can be obtained by contacting the numbers below:

WIPP Shipment Scheduler 575-234-8993 or 575-234-8230

WIPP Transportation Group 575-234-8993 or 575-234-8230

WIPP RCT Group 575-234-8657

WIPP Central Monitoring Room (CMR) 575-234-8863 or 575-234-8640

FAX notifications can be made in lieu of emails if needed. FAX numbers can be obtained by contacting the specific group.

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4.1 WDS Data Entry/CH Shipment Certification

NOTE
Step 4.1.1 is only performed if dunnage is required for the payload. No dunnage is required for SLB2, TRUPACT-III shipments.

4.1.1 Creating Dunnage Container(s) using WDS

[A] Enter the following information into the WDS for each dunnage container:

- Unique container number
- Current Location (Site ID)
- Shipping Program (Site ID)
- Container Type

4.1.2 Creating Payloads Using the WDS

[A] Select the NEW button to create/generate a Payload Plan ID.

[B] For each payload enter the following information in the WDS:

- Payload Number
- Payload Container Type
- Current Location (Site ID)
- Destination Site (Site ID)
- Shipping Program (Site ID)

[C] For TRUPACT-II/HalfPACT, select payload container(s) until a CCP-PO-003 compliant payload is obtained.

[D] For TRUPACT-III, select payload container (SLB2) until a CCP-PO-050 compliant payload is obtained.

[E] Select the accept button.

[F] Select the submit button.

[G] Generate PCTCDs, preliminary PATCDs, PTCD, and OPCTCDs (as applicable).

[H] Review PCTCD, preliminary PATCD, PTCD, and OPCTCD reports (as applicable), **AND** confirm that all container/payload certification parameters have been met.

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[I] Generate Payload Certification Parameter Details (PCPD) report.

[J] Review PCPD report, and confirm that all payload certification parameters have been met.

NOTE

Containers designated for Controlled Shipment must be marked accordingly on PCTCD and applicable PATCD or PTCD (Controlled Shipment designated container(s) assigned to payload); Attachment 1 or 7 will be initiated for the applicable CH package/shipment (as applicable).

NOTE

The applicable certification document; PATCD or PTCD are signed after the TRUPACT-IIs/HalfPACTs or TRUPACT-IIIs are loaded so that the final information is entered into the WDS.

[K] For TRUPACT-II/HalfPACTs, once container/payload parameter requirements have been met, sign and initial the PCTCD and OPCTCD (if applicable) reports, as required, certifying that CCP-PO-003 requirements have been satisfied.

NOTE

For TRUPACT-II/HalfPACTs, once a CCP-PO-003 compliant payload assembly is approved, the payload is physically assembled (SWBs, drums, and shielded containers) in accordance with DOE/WIPP-02-3184, *CH Packaging Operations Manual,* or DOE/WIPP-02-3220, as applicable, and this procedure.

4.1.3 Creating Shipments Using the WDS

[A] Enter the following information into the WDS:

- Shipment Number (From WIPP 8-week Rolling Schedule)
- Shipping Program (Site ID)
- Current Location (Site ID)
- Destination Site (Site ID)

[B] For TRUPACT-II/HalfPACTs, select payloads until a CCP-PO-003 compliant payload set is obtained.

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[C] For TRUPACT-III, select payload (SLB2) compliant with CCP-PO-050.

NOTE
Once the submit button is selected, the confirmation process for the shipment, is activated.

[D] Once the virtual CCP-PO-003 or CCP-PO-050 (as applicable) compliant shipment is built, select Save then select the submit button.

NOTE
Transporter, Tractor, Trailer, and CH Package numbers are obtained from the WIPP Equipment Assignment email, generated by the WIPP Transportation Group. Default values contained in the WDS system are used for Handling Material Weights and Uncertainty. Handling Material weights uncertainty is left blank in the WDS system.

[E] When the following becomes available, enter the information into the WDS:

- Transporter Name
- Tractor Number
- Trailer Number
- CH Package Number(s)
- Handling Material Weights (if applicable)

[F] For controlled or High Wattage Shipment, email the WIPP Shipment Scheduler of impending shipment.

4.1.4 Finalizing Shipments Using the WDS

[A] Enter the following information into the WDS:

- Manifest Number

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- Outer Containment Assembly (OCA) Lid Number (for each TRUPACT-II or HalfPACT) from DOE/WIPP-02-3184, Attachment 2, CH Packaging Loading Data Sheet, or DOE/WIPP-02-3220, Attachment 2, High-Wattage CH Packaging Loading Data Sheet, as applicable.

- Closure Lid (CL) number for TRUPACT-III, from DOE/WIPP-11-3451, *TRUPACT-III Operations Manual,* Attachment 2, TRUPACT-III (Loaded) Shipment data sheet.

- Inner Containment Vessel (ICV) closure date and time for each TRUPACT-II or HalfPACT, from DOE/WIPP-02-3184 Attachment 2, CH Packaging Loading Data Sheet, or DOE/WIPP-02-3220, Attachment 2, High-Wattage CH Packaging Loading Data Sheet, as applicable.

- CL closure date and time for TRUPACT-III, from DOE/WIPP 11-3451, Attachment 2, TRUPACT-III (Loaded) Shipment data sheet.

- Dose Rate Surface (mrem/hr) (for each CH Package) from Radiological Survey Report.

- Dose Rate 1-meter (mrem/hr) (for each CH Package) from Radiological Survey Report.

- Dose Rate 2-meters (mrem/hr) (for each CH Package) from Radiological Survey Report.

- Alpha contamination survey results in dpm (for each CH Package) from Radiological Survey Report.

- Beta/gamma contamination survey results in dpm (for each CH Package) from Radiological Survey Report.

- U.S. Department of Transportation (DOT) Description (for each CH Package) from Bill of Lading or UHWM.

- Reportable Quantity (RQ) or Highway Route Control Quantity (HRCQ) flag(s) (as applicable) from Bill of Lading or UHWM.

[B] Select Save.

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[C] Print final PATCD(s) or PTCD (as applicable).

[D] Review PATCDs or PTCD (as applicable), **AND** sign reports if all parameters are correct and in compliance with the appropriate TRAMPAC; CCP-PO-003 or CCP-PO-050.

[E] Enter the send date and time in WDS.

[F] Select the Finalize button to complete the WDS process.

4.2 Shipping Preparations

NOTE
E-mail notifications may be performed by Host site Shipping Coordinator.

4.2.1 Transmit the draft PATCDs or PTCD (as applicable), WDS Shipment Summary Report, and WDS Shipment Data report to the Host site Shipping Coordinator for preparation of shipping papers.

4.2.2 Host site Transportation Personnel, develop shipping papers.

4.2.3 Host site Shipping Coordinator, provide TCO with draft copy of shipping paper and RadCalc work sheets (or equivalent).

4.2.4 Review the shipping documentation (Bill of Lading or UHWM) in accordance with 49 CFR Part 172, Subpart C, *Shipping Papers*.

NOTE
Completion of an LDR is necessary only for each initial shipment of a mixed waste stream. The LDR is completed in accordance with 40 CFR Part 268.

4.2.5 Complete Attachment 3, Land Disposal Restriction Exemption Notification.

4.2.6 Print name, sign, date, and initial Attachment 3.

4.2.7 Provide copy of Attachment 3 to Host site Shipping Coordinator.

4.2.8 Host site Shipping Coordinator, attach copy of Attachment 3 to the shipping papers.

4.2.9 As soon as available, prior to releasing the shipment, email a copy of the Draft Manifest to the WIPP Transportation group.

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NOTE
If the Transportation Tracking and Communications (TRANSCOM) system is out of service, secondary shipment protocol is followed, as directed by the WIPP Transportation group. Step 4.2.10 can be omitted.

4.2.10 Prior to releasing the shipment to the carrier prepare the TRANSCOM system by entering a Draft Bill of Lading or UHWM in TRANSCOM per the guidance found in the TRANSCOM 2000 Designated User Handbook.

4.2.11 E-mail Draft Bill of Lading or UHWM to TRANSCOM. TRANSCOM email is transcom@transcom.energy.gov.

4.2.12 Host site Shipping Coordinator, notify the applicable State Motor Vehicle Department (SMVD) at least 24-hours prior to releasing a shipment.

[A] Request the performance of a (CVSA) inspection at the Host site of the trailer, tractor, and loaded CH Packaging Containers.

4.3 Inspections and Loading Operations

4.3.1 Verify that the payload containers are DOT Type 7A or equivalent (17C, 17H, UN1A2).

NOTE
The specific filter information is listed on the applicable PCTCD or OPCTCD.

4.3.2 For TRUPACT-II/HalfPACTs, verify filter vents, as specified in Section 2.5 of CCP-PO-003 and Section 6.12 of *CH TRU Payload Appendices* (as applicable), are installed in payload containers.

4.3.3 For TRUPACT-III verify filter vents as specified in Section 2.4 of CCP-PO-050 are installed in the SLB2.

4.3.4 Perform Container Integrity Inspection on each payload container identified for shipment per Attachment 5, CCP Container Integrity Checklist.

4.3.5 Print name, sign, and date Attachment 5.

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4.3.6 Ensure the following labels are clearly marked on each payload container:

[A] Unique Identification Number (Bar Code)

- Minimum three (3) per 55-gal., 85-gal., 100-gal. drum, and shielded overpack
- Minimum two (2) per SWB
- Minimum one (1) per ten-drum overpack (TDOP)
- Minimum one (1) per SLB2

[B] Caution Radioactive Material Label

[C] Hazardous Waste label, if applicable

[D] Polychlorinated Biphenyls (PCB) label, if applicable.

NOTE

The dunnage container(s) SHALL be labeled with a unique identification number. Exception: seven packs, four packs, three packs, or SWBs, are **NOT** required to be numbered uniquely. All dunnage containers SHALL also be labeled Dunnage or Empty. Dunnage containers are labeled in accordance with site-specific procedures.

4.3.7 For each TRUPACT-II/HalfPACT CH Package that has a dunnage container, complete Attachment 4, CCP Dunnage Certification Statement.

4.3.8 Print name, sign, date, and initial Attachment 4.

4.3.9 Ensure that each waste container is checked to see that there are **NO** Hold Tags attached.

[A] **IF** a Hold Tag is found,
THEN determine the disposition to ensure that the container is acceptable for shipping.

4.3.10 Host site RCT **OR** equivalent position, provide Container Contamination Survey Report(s) to the TCO.

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NOTE
Host site personnel may assemble payload containers under the direction of the TCO or a CCP CH Packaging and Transportation team member.

4.3.11 Provide the PATCDs or PTCD to the CH Packaging and Transportation Team.

4.3.12 For TRUPACT-II/HalfPACT, record applicable Payload Pallet Identification Number or SWB Ratchet Strap Serial Numbers and inspection date on Attachment 6, Payload Accessories.

4.3.13 For TRUPACT-II/HalfPACT, CH Packaging and Transportation Team assemble the payload containers into a payload assembly in accordance with DOE/WIPP-02-3184, or DOE/WIPP-02-3220 (as applicable) or approved site-specific procedures.

4.3.14 Host site RCT **OR** equivalent position, provide dose rate survey of the payload assembly.

4.3.15 Perform the following:

[A] Verify from the applicable PATCD or PTCD (as applicable) that the selected container(s) within a payload are correct for the designated CH Packaging Container to be loaded.

[B] Verify that all of the visible container ID labels are an exact match to the ID numbers listed on the PATCD or PTCD (as applicable).

[C] Record on the payload the designated CH Packaging number, payload ID number, initial, and date.

[D] **IF** not already performed,
THEN provide PATCDs or PTCD (as applicable) to the CCP CH Packaging and Transportation Team.

4.3.16 CCP CH Packaging and Transportation Team, perform the following:

[A] Verify from the applicable PATCD or PTCD (as applicable) that the selected container(s) within a payload are correct for the designated CH Packaging Container to be loaded.

[B] Verify that all of the visible container ID labels are an exact match to the ID numbers listed on the PATCD or PTCD (as applicable).

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4.3.17 CH Packaging and Transportation Team, load the payload assembly into the CH Packaging Container(s) in accordance with DOE/WIPP-02-3184, DOE/WIPP-02-3220, or DOE/WIPP-11-3451 (as applicable).

NOTE

If High-Wattage shipments are loaded per DOE/WIPP-02-3220, then the attachments found in DOE/WIPP-02-3220 will be used.

4.3.18 Controlled Shipment Processing

[A] **IF** Controlled Shipment Payload, other than High-Wattage, **THEN** record applicable dates and times of ICV or CL lid (as applicable) installation on Attachment 1 or 7 (as applicable), **AND** ensure 24-hour Loading Time will not be exceeded.

[B] **IF** total loading time is calculated to be $\geq$ 24-hours, **THEN** vent the package, **AND** repeat the lid installation process.

4.3.19 Host site RCT **OR** equivalent position, provide the dose rate and contamination surveys of CH Packaging Container(s) exteriors to the TCO. Dose Rates readings: on Contact, 1-meter, and 2-meter, including Neutron contribution.

4.3.20 Review the survey report of the loaded CH Packaging Container(s), **AND** verify that the survey data meets applicable radiation/contamination requirements.

4.4 Shipping Completion

4.4.1 Host site Transportation personnel, perform marking, labeling, and placarding (if applicable) of the CH Packages and Transport Trailer.

4.4.2 Ensure correct marking, labeling, and placarding (if applicable) per the following:

[A] Marking of CH Packaging Container shipments of CH TRU waste is conducted in accordance with 49 CFR Part 172, Subpart D, *Marking*, § 172.300 through 172.338; 40 CFR Part 262, Subpart C, § 262.32, *Marking*; and 40 CFR Part 761.40, Subpart C, *Marking of PCBs and PCB Items*.

[B] Labeling of CH Packaging Container shipments of CH TRU waste is conducted in accordance with 49 CFR Part

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172,Subpart E, *Labeling*, § 172.400 through 172.450; and 40 CFR Part 262, Subpart C, § 262.31, *Labeling.*

[C] Placarding of CH Packaging Container transport vehicles of CH TRU waste is conducted in accordance with 49 CFR Part 172, Subpart F, *Placarding*, § 172.500 through 172.560; and 40 CFR Part 262, Subpart C, § 262.33, *Placarding.*

4.4.3 Trucking company, attach tractor to trailer.

4.4.4 **IF** the shipment contains Controlled Shipment Packages, **THEN** provide the following to the Host site Transportation personnel (as applicable):

[A] For High-Wattage Shipments, a copy of Attachment 9 from procedure DOE/WIPP-02-3220.

[B] For Controlled Shipments, a copy of Attachment 1 or 7 (as applicable), from this procedure.

4.4.5 If the shipment contains High Wattage Packages, TCO contact the WIPP CMR for notification of impending High Wattage Shipment.

4.4.6 Host site Transportation personnel, sign the shipping documentation (Bill of Lading or UHWM) in accordance with 49 CFR Subpart C.

4.4.7 Host site Transportation personnel, provide carrier with appropriate shipping documentation package, including LDR (if applicable), and controlled shipment package attachments (if applicable).

4.4.8 SMVD, perform CVSA inspection of the tractor, trailer, and CH packages.

4.4.9 Host site Transportation personnel, provide TCO with a signed copy of the shipping documentation (Bill of Lading or UHWM).

4.4.10 Ensure Shipment Radiological Information is emailed to WIPP RCT group.

4.4.11 **IF** the shipment contains Controlled Shipment Packages, **THEN** ensure Attachment 9 from DOE/WIPP-02-3220 or Attachment 1 or 7 (as applicable), from this procedure is emailed to WIPP Transportation.

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4.4.12 For TRUPACT-II/HalfPACT, ensure Attachment 6 is emailed to WIPP Transportation.

4.4.13 For shipment finalization, complete Sections 4.1.4.

4.4.14 For TRUPACT-II/HalfPact, ensure the PATCD's are signed to certify that the payload in each CH Packaging Container meets the requirements of the CCP CH-TRAMPAC, CCP-PO-003.

4.4.15 For TRUPACT-III, ensure the PTCD is signed to certify that the SLB2 in the CH Package meets the requirements of CCP CH-TRAMPAC, CCP-PO-050.

4.4.16 TCO **OR** Host Site Shipping Coordinator, contact WIPP CMR **AND** request to release shipment.

4.4.17 Once approval is granted, TCO or Host Site Shipping Coordinator, release shipment.

4.4.18 Change WDS status to "In Transit."

4.5 Shipment Receipt

NOTE
Receipt sites may use CBFO-approved site-specific Controlled Shipment or High-Wattage Receipt Attachments, provided that the same information is recorded **AND** a completed copy is returned to the applicable TCO.

4.5.1 **IF** the shipment contains Controlled Shipment Packages, **THEN** request the Receipt Site to email the following (as applicable) once the payloads are unloaded:

[A] For High-Wattage Shipments, completed Attachment 10 from procedure DOE/WIPP 02-3220, or site equivalent form.

[B] For TRUPACT-II/HalfPACT controlled Shipments, completed Attachment 2 from this procedure, or site equivalent form.

[C] For TRUPACT-III controlled Shipments, completed Attachment 8 from this procedure, or site equivalent form.

4.5.2 **ONCE** the shipment status in WDS is "Shipment Received," **THEN** send an email to the Host site Shipping Coordinator, stating shipment received with the date of receipt.

4.5.3 **ONCE** the shipping data entry is complete, **THEN** compile and submit items listed in Section 5.1.1, to CCP Records.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management*. The records are the following:

NOTE

Records generated by DOE/WIPP-02-3184 or DOE/WIPP-02-3220 (see Section 3.1.5), as applicable are included in the Shipping Documentation Package.

QA/Nonpermanent

5.1.1 Shipping Documentation Package:

- PATCD, PCTCD, PTCD, OPCTCD Spreadsheet(s), as applicable
- WDS Shipment Summary Report
- Attachment 1, CCP Shipping Site Control Checklist for Controlled Shipments, if applicable
- Attachment 2, CCP Receiving Site Control Checklist for Receipt of Controlled Shipments (Receipt sites may use CBFO-approved site-specific Controlled Shipment Receipt Forms in place of Attachment 2), if applicable
- Attachment 3, Land Disposal Restriction Exemption Notification (initial shipment of a waste stream only)
- Attachment 4, CCP Dunnage Certification Statement (complete one statement for each group of dunnage containers)
- Attachment 5, CCP Container Integrity Checklist
- Attachment 6, Payload Accessories
- Attachment 7, (TRUPACT-III) CCP Shipping Site Control Checklist for Controlled Shipments
- Attachment 8, (TRUPACT-III) CCP Receiving Site Control Checklist for Controlled Shipments

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- Fax or email correspondence, if applicable
- Draft Bill of Lading or UHWM, if applicable

5.1.2 Radiological Surveys

- Dose Rate Survey Report
- Contamination Survey

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Attachment 1 – CCP Shipping Site Control Checklist for Controlled Shipments*

Shipment No. _____ Packaging No. _____

To be completed by CCP Transportation Certification Official, or designee, for each package designated as a controlled shipment.

Activity	Date	Time	Completion of Activity (Indicate by initials)
Record date and time of ICV lid installation from Attachment 2, DOE/WIPP 02-3184 *CH Packaging Operations Manual*.			
Record date and time the shipment containing the loaded package is ready to depart from the site.			
Calculate and record total Loading Time. (Limit = 24-hours)			
Total Loading time ≤ 1 day, sign and date below. *Total Loading Time > 1 day, STOP, vent package, and repeat closure process.*			
I certify the above data is accurate and compliant with the Loading Time limit of 24-hours, as specified in Section 6.2.3 of the CCP CH-TRAMPAC.			
Printed Name Signature Date Initials CCP Transportation Certification Official (or designee)			

*Control shipments (10 days) shall be made in accordance with the conditions specified in Appendix 3.6 of the *CH-TRU Payload Appendices* and CCP CH-TRAMPAC Section 6.2.3.

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Attachment 2 – CCP Receiving Site Control Checklist for Receipt of Controlled Shipments*

Shipment No. _____ Packaging No. _____

To be completed by designated Receiving Site Operations personnel for each package designated as a controlled shipment:

Activity	Date	Time	Completion of Activity (Indicate by initials)
Record date and time that the package was ready to depart from the shipping site (from data recorded on Attachment 1).			
Vent package within 9-days of date and time recorded above and record vent date and time.			
I certify the above data is accurate and compliant with the Unloading Time of 9-days, as specified in Section 6.2.3 of the CCP CH-TRAMPAC.			
Printed Name Receiving Site Personnel	Signature	Date	Initials

*Control shipments (10 days) shall be made in accordance with the conditions specified in Appendix 3.6 of the *CH-TRU Payload Appendices* and Section 6.2.3 of the CCP CH-TRAMPAC.

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Attachment 3 – Land Disposal Restriction Exemption Notification

The non-waste water identified in this shipment, Manifest Number _____, and bearing the EPA Hazardous Waste Number(s) listed below are exempted from the land disposal prohibitions of 20 NMAC 4.1, 268 because the waste is exempted by the WIPP Land Withdrawal Act. The Land Withdrawal Act also exempts this waste from the treatment standards in 20 NMAC 4.1, 268. This waste is **NOT** prohibited from land disposal.

EPA Hazardous Waste Number (No additional codes to those listed below can be accepted at the WIPP. Check only those that are included in this shipment.):

Waste Stream Profile Number: _____

☐	D004	Arsenic	05/08/92	☐	D038	Pyridine	09/19/96
☐	D005	Barium	08/08/90	☐	D039	Tetrachloroethylene	09/19/96
☐	D006	Cadmium	08/08/90	☐	D040	Trichloroethylene	09/19/96
☐	D007	Chromium	08/08/90	☐	D043	Vinyl Chloride	09/19/96
☐	D008	Lead	08/08/90	☐	F001	Spent Solvents	11/08/86
☐	D009	Mercury	05/08/92	☐	F002	Spent Solvents	11/08/86
☐	D010	Selenium	08/08/90	☐	F003	Spent Solvents	11/08/86
☐	D011	Silver	08/08/90	☐	F004	Spent Solvents	11/08/86
☐	D018	Benzene	09/19/96	☐	F005	Spent Solvents	11/08/86
☐	D019	Carbon Tetrachloride	09/19/96	☐	F006	Sludges	09/08/88
☐	D021	Chlorobenzene	09/19/96	☐	F007	cyanide salts	07/08/89
☐	D022	Chloroform	09/19/96	☐	F009	cyanide salts	07/08/89
☐	D026	Cresol	09/19/96	☐	P015	Beryllium Powder	08/08/90
☐	D027	1,4-Dichlorobenzene	09/19/96	☐	P030	Cyanides (soluble cyanide salts), not otherwise specified (H)	06/08/89
☐	D028	1,2-Dichloroethane	09/19/96	☐	P098	Potassium Cyanide (H)	06/08/89
☐	D029	1,1-Dichloroethylene	09/19/96	☐	P099	Potassium Silver Cyanide (H)	08/08/90
☐	D030	2,4-Dinitrotolune	09/19/96	☐	P106	Sodium Cyanide (H)	06/08/89
☐	D032	Hexachlorobenzene	09/19/96	☐	P120	Vanadium Pentoxide	08/08/90
☐	D033	Hexachlorobutadiene	09/19/96	☐	U002	Acetone	08/08/90
☐	D034	Hexachloroethane	09/19/96	☐	U003	Acetonitrile (I,T)	08/08/90
☐	D035	Methyl ethyl ketone	09/19/96	☐	U019	Benzene	08/08/90
☐	D036	Nitrobenzene	09/19/96	☐	U037	Chlorobenzene	08/08/90
☐	D037	Pentachlorophenol	09/19/96	☐	U043	Vinyl Chloride	08/08/90

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Attachment 3 – Land Disposal Restriction Exemption Notification (Continued)

Waste Stream Profile Number: _____

☐	U044	Chloroform	08/08/90	☐	U226	1,1,1-Trichloroethane	08/08/90
☐	U052	Cresol	08/08/90	☐	U228	Trichloroethylene	08/08/90
☐	U070	1,2-Dichlorobenzene	08/08/90	☐	U239	Xylene	08/08/90
☐	U072	1,4-Dichlorobenzene	08/08/90	☐			
☐	U078	1,1-Dichloroethylene	08/08/90	☐			
☐	U079	1,2-Dichloroethylene (T) 156-60-5	08/08/90	☐			
☐	U103	Dimethyl Sulfate (T)	08/08/90	☐			
☐	U105	2,4-Dinitrotoluene (T) 121-14-2	08/08/90	☐			
☐	U108	1,4-Dioxane (T)		☐			
☐	U122	Formaldehyde	08/08/90	☐			
☐	U133	Hydrazine	08/08/90	☐			
☐	U134	Hydrofluoric Acid	08/08/90	☐			
☐	U151	Mercury	08/08/90	☐			
☐	U154	Methanol	08/08/90	☐			
☐	U159	Methyl Ethyl Ketone	08/08/90	☐			
☐	U196	Pyridine	08/08/90	☐			
☐	U209	1,1,2,2-Tetrachloroethane	08/08/90	☐			
☐	U210	Tetrachloroethylene	08/08/90	☐			
☐	U220	Toluene	08/08/90	☐			

TCO:

Printed Name/Signature	Date	Initials

REFERENCE:

20 NMAC 4.1, 268.7(a) (3)
OCT. 30, 1992–Public Law 102-579 as amended Sept. 23, 1996–Public Law 104-201, Subtitle F
WIPP Hazardous Waste Facility Permit, Attachment C-5a (2)
WIPP Hazardous Waste Facility Permit, Part 2, Table 2.3.4, Permitted TRU Mixed Wastes

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Attachment 4 – CCP Dunnage Certification Statement

Page 1 of 1

Payload ID _____

Record dunnage container numbers.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

	Acceptance Criteria	**Initials**
Container Type	55-gal. drum, 85-gal. drum, 100-gal. drum, or SWB (circle one)	
Surface Contamination	<20 dpm/100 cm^2 alpha <200 dpm/100 cm^2 beta-gamma	
Container Marking	"Dunnage or Empty"	
Liquids	Dry	
Pu-239 FGE	Zero	
Thermal Power	Zero	
Dunnage Properly Vented??	Minimum one open vent port	
Comments:		

I certify that I have reviewed the data for this assembly dunnage and have determined that it meets the requirements stated in the current revision of CCP-PO-003.

TCO:

_____ _____ _____
Printed Name/Signature Date Initials

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Attachment 5 – CCP Container Integrity Checklist

Payload ID _____

Record container numbers for the selected payload assembly.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

NOTE

Any YES answer on the inspection checklist will result in the operator immediately contacting the TCO. The TCO will have the drum segregated **AND** the appropriate site-specific corrective actions invoked. The TCO will provide another waste container **OR** dunnage for the selected payload assembly. The new waste container will require the same inspection per the checklist.

Visually examine 100% of each container for selected payload assembly per the checklist below.

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	CHECK ONE	
1.	Is the payload container obviously degraded?	Obviously degraded means clearly visible and potentially significant defects in the payload container or payload container surface.	YES ☐	NO ☐
2.	Is there evidence that the payload container is, or has been, pressurized?	Pressurization can be indicated by a fairly uniform expansion of the sidewalls, bottom or top. Past pressurization can be indicated by a notable outward deflection of the bottom or top. Verify that the drum payload container is not warped.	YES ☐	NO ☐

Attachment 5 – CCP Container Integrity Checklist (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	CHECK ONE	
3.	Is there any potentially significant rust or corrosion such that wall thinning, pin holes, or breaches are likely or the load bearing capacity is suspect?	Rust shall be assessed in terms of its type, extent, and location. Pitting, pocking, flaking, or dark coloration characterizes potentially significant rust or corrosion. This includes the extent of the payload container surface area covered, thickness, and, if it occurs in large flakes or built-up (caked) areas. Rusted payload containers may not be accepted if: • Rust is present in caked layers or deposits • Rust is present in the form of deep metal flaking, or built-up areas of corrosion products In addition, the location of rust should be noted; for example on a drum: top lid; filter region; locking chine; top one-third, above the second rolling hoop; middle one-third, between the first and second rolling hoops; bottom one-third, below the second rolling hoop; and on the bottom. Payload containers may still be considered acceptable if the signs of rust show up as: • Some discoloration on the payload container • If rubbed would produce fine grit or dust or minor flaking (such that wall thinning does not occur)	YES ☐	NO ☐
4.	Are any of the following apparent? • wall thinning • pin holes • breaches	Wall thinning, pin holes, and breaches can be a result of rust/corrosion (see discussion for #3).	YES ☐	NO ☐
5.	Are there any split seams, tears, obvious holes, punctures (of any size), creases, broken welds, or cracks?	Payload containers with obvious leaks, holes or openings, cracks, deep crevices, creases, tears, broken welds, sharp edges or pits, are either breached or on the verge of being breached. Verify that there is no warpage that could cause the container to be unstable or prevent it from fitting properly in the applicable package.	YES ☐	NO ☐
6.	Is the load-bearing capacity suspect?	The load-bearing capacity could be reduced for excessive rust (see discussion for #3), wall thinning (see discussion for #4), breaches, cracks, creases, broken welds, etc. (see discussion for #5).	YES ☐	NO ☐
7.	Is the payload container improperly closed?	Inspect the fastener and fastener ring (chine) if applicable for damage or excessive corrosion. Check the alignment of the fastener to ensure that it is in firm contact around the entire lid and the payload container will not open during transportation.	YES ☐	NO ☐

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Attachment 5 – CCP Container Integrity Checklist (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA	CHECK ONE	
8.	Are there any dents, scrapes, or scratches that make the payload container's structural integrity questionable or prevent the top and bottom surfaces from being parallel?	Deep gouges, scratches, or abrasions over wide areas are not acceptable. If top and bottom surfaces are not parallel, this would indicate that the container is warped. Dents should be less than ¼ inch deep by 3 inches long and between ½ inch to 6 inches wide. All other dents must be examined to determine impact of structural integrity.	YES ☐	NO ☐
9.	Is there discoloration which would indicate leakage or other evidence of leakage of material from the payload container?	Examine the payload container regions near vents, top lid fittings, bottom fittings, welds, seams and intersections of one or more metal sheets or plates. Payload containers must be rejected if evidence of leakage is present.	YES ☐	NO ☐
10.	Is the payload container bulged?	For the purposes of this examination, bulging is indicated by: • A fairly uniform expansion of the sidewalls, bottom, or top (e.g., in the case of a drum, either the top or bottom surface protrudes beyond the planar surface of the top or bottom ring, • A protrusion of the side wall (e.g., in the case of a drum, beyond a line connecting the peaks of the surrounding rolling hoops or a line between a surrounding rolling hoop and the bottom or top ring), or • Expansion of the sidewall (e.g., in the case of a drum, such that it deforms any portion of a rolling hoop).	YES ☐	NO ☐

Comments: _____
_____
_____
_____

Inspected By:

_____ _____ _____
Printed Name Signature Date

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Attachment 6 – Payload Accessories

CH Package S/N	Payload Pallet ID# and Inspection Date	SWB Ratchet Strap S/N and Inspection Date	SWB Ratchet Strap S/N and Inspection Date	SWB Ratchet Strap S/N and Inspection Date
Position #1:_____				
Position #2:_____				
Position #3:_____				

Shipment Number: _____

Trailer Number: _____

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Attachment 7 – (TRUPACT-III) CCP Shipping Site Control Checklist for Controlled Shipments

Shipment No. _____ Packaging No. _____

To be completed by Shipping Site Transportation Certification Official, or designee, for each package designated as a controlled shipment:

TRUPACT-III TRAMPAC Section No.	Activity	Recorded Date	Recorded Time	Completion of Activity (Indicate by checkmark [√])
6.2.3.1	Record date and time of TRUPACT-III closure			
6.2.3.2	Record date and time the shipment containing the loaded package is scheduled to depart from the site			
6.2.3.3	Calculate and record total **Loading Time** [Limit = 24 hours]			
	Total Loading Time ≤ 1 day, proceed to No. 6.2.3.4 *Total Loading Time > 1 day,* ***STOP.*** *Vent package and repeat closure process.*			
6.2.3.4	I certify that the above data is accurate and compliant with the Loading Time limit of 24 hours, as specified in Section 6.2.3 of the TRUPACT-III TRAMPAC. _____ / _____ TRANSPORTATION CERTIFICATION OFFICIAL (OR DESIGNEE) DATE			

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Attachment 8 – (TRUPACT-III) CCP Receiving Site Control Checklist for Controlled Shipments

Shipment No. _____ Packaging No. _____

To be completed by designated Receiving Site Operations Personnel for each package designated as a controlled shipment:

TRUPACT-III TRAMPAC Section No.	Activity	Recorded Date	Recorded Time	Completion of Activity (Indicate by checkmark [√])
6.2.3.5	Record date and time that The package was scheduled to depart from the shipping site			
6.2.3.6	Vent package within 9 days of date and time Recorded above and record vent date and time			
6.2.3.7	I certify that the above data is accurate and compliant with the Transport and Unloading Time Limit of 9 days, as specified in Section 6.2.3 of the TRUPACT-III TRAMPAC. _____ / _____ RECEIVING SITE OPERATIONS PERSONNEL DATE			

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CCP-TP-035

Revision 26

CCP
Container Management

EFFECTIVE DATE: 06/20/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
5	05/16/2002	Placed in current CCP-QP-010 format; corrected a typo in Section 3.2.2; revised step 4.1.1 and added attachment 5 to meet the new WAC requirements.
6	09/03/2002	Revised Attachment 1.
7	10/18/2002	Revised Sections 3.2 and 3.3.
8	01/06/2003	Added step 3.1.2 and steps 4.2.4 [A] through [C].
9	02/10/2003	Updated 1.0, Note above 4.1.2, deleted 4.1.3, updated 4.2.2, 4.2.4, 4.3.1[B], added steps 4.3.1 [D] & [E] and added to steps 4.4.1 [B], [C], and [D], add new Section 4.5.
10	09/25/2003	Revisions made as Corrective Actions for CAR-SRS-0006-03. Revised section 1.0, 2.0, 3.0, 4.0, Attachment 1 and Attachment 2 and added new section 4.2. Removed old sections 4.2 through 4.7. Incorporated CBFO comments.
11	04/21/2004	Revised Section 3.0 and 4.0. Deleted Attachments 2 and 3. Added meaning of acronym (PIR) – Prohibited Item Removal.
12	09/30/2004	Revised step 4.1.6, 4.1.7, 4.1.8 and 4.1.9 to verify Attachment 2 has been completed for each drum. Changed Section 1.1 and 4.2 (NOTE), and added new Attachment 4, CCP Radiography Batch Weight Record on SRS TRU Pad 4 based on Audit Observations I04-10-0-02 and I04-10-0-04.
13	03/29/2005	Revised to support SRS Authorization Basis (AB) requirements.
14	05/13/2005	Revised to add a section to record container weights for Visual Examination (VE).
15	09/08/2005	Revised to allow Visual Examination (VE) in lieu of Real Time Radiography (RTR) and made consistent with other CCP Container Management Procedures.
16	10/19/2006	Revised in response to CAR No. 06-037.

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RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
17	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
18	11/17/2006	Revised in response to CAR No. 06-037.
19	12/14/2006	Revised to address United States Department of Energy (DOE) Carlsbad Field Office (CBFO) Document Review Record (DRR) Comments.
20	02/26/2007	Revised to address Drum Assessment Criteria. Deleted TRU Pad 15 verbiage throughout document. Renamed Attachments 2 and 3.
21	08/28/2007	Revised to include the flammable gas analysis process.
22	09/02/2008	Revised to change drum to container and to rename Attachment 3, Structural Integrity and Distortion Criteria.
23	01/25/2010	Revised in response to Corrective Action Report (CAR)-Los Alamos National Laboratory (LANL)-0006-09.
24	04/26/2012	Revised Sections 4.1.1, 4.2, Attachment 1, CCP Container Traveler (LABEL), and Attachment 4, CCP Radiography Batch Weight Record for SRS RTR Unit. Added acronym for Second Person Verifier (SPV). Made various editorial changes that were needed.
25	01/10/2013	Revised to incorporate elements of Central Characterization Program (CCP) Standing Order (SO) CCP-SO-096 Rev. 0 for the application of administrative hold on containers when applying a Vendor Project Manager (VPM) HOLD indicator tag.
26	06/20/2013	Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Precautions and Limitations 6
2.5 Prerequisite Actions 6

3.0 RESPONSIBILITIES 7
3.1 Generating Site Waste Handlers (GSWH) 7
3.2 CCP Vendor Project Manager (VPM)/Designee 7
3.3 CCP Site Project Manager (SPM)/Designee 7
3.4 First Line Manager (FLM) 7
3.5 CCP Characterization Personnel 8
3.6 Facility Records Custodian 8

4.0 PROCEDURE 9
4.1 Waste Container Receipt and Identification 9
4.2 Scale Calibration Check and Waste Container Weighing for SRS RTR Unit 11
4.3 Container Processing 12
4.4 Continue Processes 14
4.5 Removing VPM Administrative Hold Indicator(s) 14

5.0 RECORDS 15

LIST OF ATTACHMENTS

Attachment 1 – CCP Container Traveler (Label) 16
Attachment 2 – Structural Integrity and Distortion Criteria Report 17
Attachment 3 – Structural Integrity and Distortion Criteria 18
Attachment 4 – CCP Radiography Batch Weight Record for SRS RTR Unit 20

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1.0 PURPOSE

This procedure describes and implements the Central Characterization Program (CCP) management, control, and tracking of transuranic (TRU) waste containers during the characterization process.

The inspection criteria, in Attachment 3, Structural Integrity and Distortion Criteria, is used primarily to determine if the container can be processed through the characterization equipment.

1.1 Scope

CCP is tasked with characterizing and certifying TRU waste for transportation to and disposal at the Waste Isolation Pilot Plant (WIPP).

This procedure applies to CCP personnel and Savannah River Site (SRS) personnel who support CCP TRU waste characterization activities at SRS.

SRS may use their own procedures for container weighing, movement, and handling. Container tracking and management through CCP characterization activities will be conducted using this procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*

Referenced Documents

- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

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2.2 Training Requirements

2.2.1 None.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 **IF** the steps in this procedure CAN **NOT** be completed, **THEN** work must be STOPPED, equipment placed in a safe configuration, and the CCP Vendor Project Manager (VPM)/Designee notified.

2.4.2 Newly generated waste containers may go through visual examination (VE) as a Certified Process prior to being added to the acceptable knowledge (AK) Tracking Spreadsheet. Container integrity inspections, weighing and CCP Container Traveler (Label) application will be performed at that time. Container information collected during the VE will be forwarded to the VPM/Acceptable Knowledge Expert (AKE) for addition to the AK Tracking Spreadsheet. Containers should not go through further Certified Processes until the container has been added to the AK Tracking Spreadsheet.

2.5 Prerequisite Actions

2.5.1 None.

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3.0 RESPONSIBILITIES

3.1 Generating Site Waste Handlers (GSWH)

3.1.1 Affixes the Attachment 1, CCP Container Traveler (Label) to containers designated for CCP characterization units.

3.1.2 Performs all movement of containers (unless otherwise directed by the VPM, all containers must go to real-time radiography [RTR] first, and then to other characterization processes as needed).

3.1.3 Verifies containers are on the AK Tracking Spreadsheet or other container tracking document.

3.1.4 Notifies CCP VPM or designee that containers are ready for CCP container acceptance.

3.2 CCP Vendor Project Manager (VPM)/Designee

3.2.1 Reports to the CCP Site Project Manager (SPM):

[A] Reviews and approves Attachment 2, Structural Integrity and Distortion Criteria Report, and submits to the CCP Facility Records Custodian.

[B] Verifies containers are on the AK Tracking Spreadsheet or other container tracking document.

[C] Determines if the containers can be processed through the characterization equipment.

3.3 CCP Site Project Manager (SPM)/Designee

3.3.1 Dispositions Nonconformance Report (NCR) Containers for processing as needed.

3.4 First Line Manager (FLM)

3.4.1 Notifies Generating Site Waste Handler (GSWH) for container movements as requested.

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3.5 CCP Characterization Personnel

3.5.1 Completes Applicable Section of Attachment 1 after performing characterization.

3.6 Facility Records Custodian

3.6.1 Receives, processes, and transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

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4.0 PROCEDURE

NOTE

This procedure provides the general flowpath of the characterization process. Attachment 1 serves as the container status indicator throughout characterization.

NOTE

No container may be processed without a completed Attachment 2 and affixed Attachment 1. Containers must go through RTR first, unless otherwise directed by the VPM.

4.1 Waste Container Receipt and Identification

GSWH

4.1.1 Complete Attachment 1 as follows.

[A] Record the container identification (ID) number initial and date

[B] Record the waste stream number from the AK Tracking Spreadsheet initial and date.

[C] Affix Attachment 1 to the lid of the container, large containers (e.g., standard large box 2 [SLB2]) may be placed on the side.

CCP VPM/Designee

4.1.2 Using Attachment 2, verify that each container in the staging area meets the following conditions:

NOTE

The assessment criterion, Attachment 3, Structural Integrity and Distortion Criteria, is used primarily to determine whether repackaging will be required prior to shipment. Containers will also be assessed to determine if they can withstand and are compatible with equipment used for characterization.

Containers that DO **NOT** meet container assessment criteria requirements **AND** are determined to be incompatible, **OR** the condition of the container CAN **NOT** withstand the characterization process, shall be returned to the Host Site for repacking.

[A] Container ID Label

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[B] Structural Integrity and Distortion Criteria (See Attachment 3) (SAT/UNSAT)

[C] Bar Code Label (SAT/UNSAT)

4.1.3 Determine that the container can be processed through the characterization equipment by evaluating each container using Attachment 3, **AND** complete Attachment 2 for all containers selected for processing.

4.1.4 **IF** the container is **NOT** "OK to process",
THEN record NO on Attachment 2, DO **NOT** accept the container, **AND** return the container to the Host site.

4.1.5 Verify containers are on the AK Tracking Spreadsheet, **AND** verify the waste stream number is correct as listed on the Attachment 1.

4.1.6 Place a Red C with initials and date at top right hand corner of Attachment 1.

4.1.7 VPM/Designee review and approve Attachment 2.

4.1.8 Forward approved Attachment 2 to Facility Records Custodian.

Facility Records Custodian

4.1.9 Receive, process, and transmit Attachment 2 in accordance with CCP-QP-008.

GSWH

4.1.10 Verify there is a Red C with initials and date at the top right hand corner of the Attachment 1.

4.1.11 Move all the containers to RTR first, unless authorized by the VPM, **AND** then to the appropriate characterization process, as required.

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4.2 Scale Calibration Check and Waste Container Weighing for SRS RTR Unit

GSWH

4.2.1 Record Scale ID on Attachment 4.

4.2.2 Verify that the scale calibration is current, record scale error on Attachment 4, CCP Radiography Batch Weight Record for SRS RTR Unit, **AND** check SAT or UNSAT.

4.2.3 Ensure that the scale unit readout is in kilograms (kg) and reads zero when **NOT** loaded.

4.2.4 Place known calibrated weights on the scale, **AND** verify that the scale reads within the accuracy of the calibration (as listed on the calibration sticker or data sheet, as applicable).

4.2.5 Record the weight of the test weight on Attachment 4, **AND** check SAT or UNSAT.

4.2.6 Remove the calibrated weights.

4.2.7 **IF** the test fails,
THEN repeat the weight check.

4.2.8 **IF** the test fails a second time,
THEN STOP WORK, **AND** notify the SRS RTR Unit Operator to initiate an NCR in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

4.2.9 Weigh the individual waste containers, record the Container ID, and gross weight (kg), and initial on Attachment 4, Second Person Verifier (SPV) also to initial Attachment 4.

4.2.10 Record gross weight on the Attachment 1 initial and date.

4.2.11 Repeat steps 4.2.8 through 4.2.9 as required for additional containers.

4.2.12 Print name, sign, and date Attachment 4.

4.2.13 SPV print name, sign, and date Attachment 4.

4.2.14 Forward a copy of Attachment 4 to the RTR Operator to be used on the applicable RTR Unit (e.g., RTR 15, RTR 4, Large Container Nondestructive Examination [LCNDE]).

4.2.15 Forward Attachment 4 to the Facility Records Custodian.

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Facility Records Custodian

4.2.16 Receive, process, and transmit Attachment 2 in accordance with CCP-QP-008.

4.3 Container Processing

NOTE

If an NCR (CCP-QP-005, Attachment 1, CCP Nonconforming Reporting) is initiated at anytime in the CCP process from the initial introduction of the container into the CCP process to shipment of the container to WIPP, the affected container(s) shall have a CCP HOLD TAG applied as soon as they are accessible for characterization. The container may continue through the characterization unless specific limitations are identified in the approved NCR disposition. After characterization is complete, the container will be segregated until the hold is removed. In **NO** case shall the container proceed to shipment until the NCR disposition is complete.

CCP Characterization Personnel

4.3.1 Circle YES or NO on Attachment 1 for system certification status.

[A] **IF** NO,
THEN place under a VPM Administrative Hold (i.e., attach a VPM Administrative Hold Indicator to the container), **AND** segregate the container.

[A.1] Request GSWH to segregate the container.

[A.2] Communicate the container number(s) to the site SPM.

4.3.2 **WHEN** the containers have been through any process,
THEN verify that the information on Attachment 1 has been completed.

CCP SPM

4.3.3 **WHEN** notified by CCP Characterization Personnel that VPM Administrative Hold Indicator has been applied,
THEN place the container(s) on hold within Integrated Data Center (IDC) by generating a VPM HOLD Exclusion or adding the affected container(s) to an exclusion that already exists.

CCP Characterization Personnel

4.3.4 Notify site SPM when VPM Administrative Hold Indicator has been removed.

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CCP SPM

4.3.5 Remove affected container(s) from VPM Hold Exclusion in the IDC.

GSWH

4.3.6 **IF** any of the requested information has **NOT** been filled out, **THEN** request process personnel complete required information.

[A] For applicable RTR or VE process, perform the following:

[A.1] Verify gross weight has been recorded.

[A.2] Verify tare weight has been recorded.

[A.3] Verify percent fill has been recorded.

[A.4] Verify applicable RTR or VE section has been initialed and dated.

[B] For Nondestructive Assay (NDA) process perform the following:

[B.1] Verify that the NDA Section has been completed.

[C] For FGA process perform the following:

[C.1] Verify the FGA line has been initialed and dated.

NOTE
If original lid (with Attachment 1) has been replaced back on the container, the Attachment 1 information does **NOT** need to be reproduced.

CCP VPM/Designee

NOTE
Notification can include establishing a standard practice or providing specific written or verbal instructions.

4.3.7 Notify the first line manager (FLM) when the container is ready to be moved.

GSWH

4.3.8 Move the container to the designated area.

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4.4 Continue Processes

4.4.1 Repeat Section 4.3, as required, to complete processing of each container.

CCP Characterization Personnel

4.4.2 For each characterization process, at the end of each shift, notify the CCP VPM with container processing information, as deemed appropriate by the CCP VPM.

VPM/Designee

4.5 Removing VPM Administrative Hold Indicator(s)

4.5.1 **AFTER** a system has been certified,
THEN ensure all associated VPM Administrative Hold Indicators for that system have been removed.

[A] Circle YES on Attachment 1, indicating that the system is certified.

[B] Strike through, initial, and date the previous circled NO, indicating the system was **NOT** certified.

[C] Remove the container from the segregation area.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] Attachment 4, CCP Radiography Batch Weight Record for SRS RTR Unit

[B] Attachment 2, Structural Integrity and Distortion Criteria Report

[C] Written Notifications

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Attachment 1 – CCP Container Traveler (Label)

GENERATING SITE WASTE HANDLERS:

Container ID:_____ _____ / _____
Date Initials

Waste Stream ID:_____ _____ / _____
Date Initials

Gross Weight: _____ kg _____ / _____
Date Initials

NDE

Tare Weight:_____ kg _____ / _____
Date Initials

Percent Fill:_____ % _____ / _____
Date Initials

System Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

NDE Complete (circle one)? YES NO _____ / _____
Date Initials

NDA

System Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

NDA Complete (circle one)? YES NO
Nondestructive Assay Box Counters (NABC) **OR** Other (circle one)?_____ / _____
Date Initials

VE

Gross Weight: _____ kg _____ / _____
Date Initials

Tare Weight: _____ kg _____ / _____
Date Initials

Percent Fill:_____ % _____ / _____
Date Initials

Process Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

VE Complete (circle one)? YES NO _____ / _____
Date Initials

FGA

System Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

FGA Complete (circle one)? YES NO _____ / _____
Date Initials

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Attachment 2 – Structural Integrity and Distortion Criteria Report

Container ID Number	Container Assessment Criteria (Initial)		Bar Code Label (Initial)		OK to Process Y/N	
N/A	SAT	UNSAT	SAT	UNSAT	N/A	N/A

Comments: _____

_____

_____

Completed by: _____ _____
Printed Name Signature Date

CCP VPM Approval: _____ _____ _____
Printed Name Signature Date

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Attachment 3 – Structural Integrity and Distortion Criteria

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
1.	Is the payload container obviously degraded?	Obviously degraded means clearly visible and potentially significant defects in the payload container or payload container surface.
2.	Is there evidence that the payload container is, or has been, pressurized?	Pressurization can be indicated by a fairly uniform expansion of the sidewalls, bottom or top. Past pressurization can be indicated by a notable outward deflection of the bottom or top. Verify that the payload container is not warped.
3.	Is there any potentially significant rust or corrosion such that wall thinning, pin holes, or breaches are likely or the load-bearing capacity is suspect?	Rust shall be assessed in terms of its type, extent, and location. Pitting, pocking, flaking, or dark coloration characterizes potentially significant rust or corrosion. This includes the extent of the payload container surface area covered, thickness, and, if it occurs in large flakes or built-up (caked) areas. Rusted payload containers may **NOT** be accepted if: • Rust is present in caked layers or deposits. • Rust is present in the form of deep metal flaking, or built-up areas of corrosion products. In addition, the location of rust should be noted; for example on a drum: top lid; filter region; locking chine; top one-third, above the second rolling hoop; middle one-third, between the first and second rolling hoops; bottom one-third, below the second rolling hoop; and on the bottom. Payload containers may still be considered acceptable if the signs of rust show up as: • Some discoloration on the payload container. • If rubbed would produce fine grit or dust or minor flaking (such that wall thinning does not occur).
4.	Are any of the following apparent? • wall thinning • pin holes • breaches	Wall thinning, pin holes, and breaches can be a result of rust/corrosion (see discussion for #3).
5.	Are there any split seams, tears, obvious holes, punctures (of any size), creases, broken welds, or cracks?	Payload containers with obvious leaks, holes or openings, cracks, deep crevices, creases, tears, broken welds, sharp edges or pits, are either breached or on the verge of being breached. Verify that there is no warpage that could cause the container to be unstable or prevent it from fitting properly in the TRUPACT-II.

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Attachment 3 – Structural Integrity and Distortion Criteria (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
6.	Is the load-bearing capacity suspect?	The load-bearing capacity could be reduced for excessive rust (see discussion for #3), wall thinning (see discussion for #4), breaches, cracks, creases, broken welds, etc. (see discussion for #5).
7.	Is the payload container improperly closed?	Inspect the fastener and fastener ring (chine), if applicable, for damage or excessive corrosion. Check the alignment of the fastener to ensure that it is in firm contact around the entire lid and the payload container will not open during transportation.
8.	Are there any dents, scrapes, or scratches that make the payload container's structural integrity questionable or prevent the top and bottom surfaces from being parallel?	Deep gouges, scratches, or abrasions over wide areas are not acceptable. If top and bottom surfaces are not parallel, this would indicate that the container is warped. Dents should be less than ¼ inch deep by 3 inches long and between ½ inch to 6 inches wide. All other dents must be examined to determine impact of structural integrity.
9.	Is there discoloration which would indicate leakage or other evidence of leakage of material from the payload container?	Examine the payload container regions near vents, top lid fittings, bottom fittings, welds, seams and intersections of one or more metal sheets or plates. Payload containers must be rejected if evidence of leakage is present.
10.	Is the payload container bulged?	For the purposes of this examination, bulging is indicated by: • A fairly uniform expansion of the sidewalls, bottom, or top (e.g., in the case of a drum, either the top or bottom surface protrudes beyond the planar surface of the top or bottom ring); • A protrusion of the side wall (e.g., in the case of a drum, beyond a line connecting the peaks of the surrounding rolling hoops or a line between a surrounding rolling hoop and the bottom or top ring); or • Expansion of the sidewall (e.g., in the case of a drum, such that it deforms any portion of a rolling hoop).

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Attachment 4 – CCP Radiography Batch Weight Record for SRS RTR Unit

Scale ID:_____

Weigh Scale Calibration Current: scale error ± _____ kg ☐ SAT ☐ UNSAT

Scale Weight Check Verified: weight _____ kg ☐ SAT ☐ UNSAT

Container ID	Gross Wt. (kg)	GSWH Initial	SPV Initial

GSWH Printed Name GSWH Signature Date

SPV Printed Name SPV Signature Date

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CCP-TP-053

Revision 14

CCP
Standard Real-Time Radiography (RTR) Inspection Procedure

EFFECTIVE DATE: 09/25/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
9	09/30/2010	Revised to incorporate another test image type.
10	03/04/2011	Revised to address Carlsbad Field Office (CBFO) Corrective Action Report (CAR)-11-015. Deleted requirement to identify locations of dense waste material, sharp/heavy objects. Deleted requirement of identification of block and/or bracing of sharp/heavy objects and heterogeneity of the waste (e.g., DO **NOT** just list plastic, describe it as small plastic bottles, plastic tubing, plastic sheeting, or plastic coveralls etc.). Deleted requirement of recording of liquid amounts on attachments. All prohibited conditions will be addressed in the Nonconformance Report (NCR) process. Added the ability to use procedure to Real-Time Radiography (RTR) Remote-Handled (RH) waste.
11	07/20/2011	Revised to add checklist question based on agreement with New Mexico Environmental Department (NMED).
12	08/22/2012	Revised to change format of attachments. Clarified format of container weights and clarified steps for documenting nonconformance reports (NCRs) on Attachment 2, CCP Radiography Data Sheet (Example).
13	05/14/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes, to add software used, and other editorial changes.
14	09/25/2013	Revised to address Carlsbad Field Office (CBFO) CAR 13-034, CBFO CAR 13-051, and Central Characterization Program (CCP) CAR-SRS-0001-13.

TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Software 6
2.5 Precautions and Limitations 6
2.6 Prerequisite Actions 6
2.7 Definitions 7

3.0 RESPONSIBILITIES 8
3.1 RTR Operator 8
3.2 Independent Technical Reviewer (ITR) 8
3.3 Lead Operator (LO) 8
3.4 Records Custodian 9

4.0 PROCEDURE 10
4.1 Waste Container Preparation 10
4.2 RTR System Startup 10
4.3 Video/Audio Recorded Media System Startup/Image Test 10
4.4 RTR System Operation 12
4.5 Replicate Scan 17
4.6 Independent Observations 18
4.7 RTR System Shutdown 18
4.8 Video/Audio Recording Media System Shutdown 19
4.9 Batch Data Report Preparation 19
4.10 RTR Independent Technical Review 20

5.0 RECORDS 22

LIST OF TABLES

Table 1. Prohibited Items 23
Table 2. Waste Material Parameters 24
Table 3. Waste Item Weights 25

LIST OF ATTACHMENTS

Attachment 1 – CCP RTR Measurement Control Report 27
Attachment 2 – CCP Radiography Data Sheet (Example) 28
Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist 31
Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative 33
Attachment 5 – CCP Radiography Batch Data Report Cover Sheet 34

1.0 PURPOSE

Real-time radiography (RTR) inspection is used to verify that the physical form matches the waste stream description and that the Waste Matrix Code (WMC) assigned to the waste container is consistent with acceptable knowledge (AK) of the waste. The system is also used to estimate Waste Material Parameter (WMP) weights and identify prohibited items within a waste container.

This procedure contains the requirements for the collection of data and the generation level review of data from the RTR process.

1.1 Scope

This procedure applies to S3000 homogeneous solids, S4000 soils/gravel and S5000 debris transuranic (TRU) waste streams that require nondestructive examination (NDE). This procedure specifies instructions for performing NDE of waste containers using a RTR system. It also specifies methods for documenting the examination results as required by CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, CCP-PO-002*, CCP Transuranic Waste Certification Plan*, DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*, and CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*

Referenced Documents

- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- CCP-PO-001*, CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, CCP *TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Equipment List

2.3.1 Test Image

2.4 Software

2.4.1 RTR Data Sheet.xls

2.5 Precautions and Limitations

2.5.1 If this procedure CAN **NOT** be implemented as written, RTR personnel shall notify appropriate supervisors. If it is determined that a portion of the work CAN **NOT** be accomplished as described in this procedure, or would result in an undesirable situation, work shall be STOPPED. Work will **NOT** be resumed until this procedure is modified or replaced by a new document that reflects the current work practice.

2.5.2 Workers who will be working in a radiation area must have met the Host site requirements prior to entering the area.

2.5.3 Review the Job Hazards Analysis.

2.6 Prerequisite Actions

2.6.1 None

2.7 Definitions

2.7.1 **Internal Container** – A container inside the outermost container examined during radiography or visual examination (VE). Drum liners, liner bags, plastic bags used for contamination control, capillary-type labware, and debris not designed to hold liquid at the time of original waste packaging are not internal containers.

2.7.2 **Observable Liquid** – Liquid that is observable using radiography or VE as specified in the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit.

3.0 RESPONSIBILITIES

3.1 RTR Operator

3.1.1 Operates the RTR system to determine the waste content attributes within a waste container.

3.1.2 Produces video/audio recorded media and a written record of the x-ray scan of the waste containers.

3.1.3 Performs the initial review of the data generated.

3.1.4 A second and independent qualified RTR Operator performs a Replicate Scan on one waste container. A BDR completed in one calendar day shall contain a Replicate Scan. BDRs that span over more than one day shall contain a separate Replicate Scan. In this context, independence means the individual did not perform, nor review the original work.

3.1.5 A second and independent qualified RTR Operator other than any RTR Operator involved in the original scan of the container selected performs an Independent Observation (IO) on a waste container, from a radiography video/audio recorded media. A BDR completed in one calendar day shall contain an IO. BDRs that span over more than one day shall contain a separate IO.

3.1.6 Assembles the Batch Data Report (BDR).

3.2 Independent Technical Reviewer (ITR)

NOTE
The Independent Technical Reviewer (ITR) will be a third and independent qualified RTR Operator.

3.2.1 Reviews the raw data (e.g., Attachment 2, CCP Radiography Data Sheet [Example]).

3.2.2 Completes Attachment 3, CCP Radiography Independent Technical Reviewer Checklist.

3.3 Lead Operator (LO)

3.3.1 Provides supervision of the overall operation of the RTR system.

3.4 Records Custodian

3.4.1 Receives, processes, and transmits records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

4.0 PROCEDURE

NOTE

All steps within this procedure will be performed by the RTR Operator unless otherwise specified.

4.1 Waste Container Preparation

4.1.1 Prepare the waste containers for examination in accordance with Host site and/or Central Characterization Program (CCP) procedures.

4.1.2 Install the Image Test device as applicable.

4.2 RTR System Startup

4.2.1 Startup the RTR system for operation in accordance with the CCP procedure.

4.3 Video/Audio Recorded Media System Startup/Image Test

NOTE

Video/audio recording of the RTR examination **MUST** be produced for all waste containers. The Image Test is performed once per day.

Attachments are found on the CCP secure file transfer protocol (sftp) site.

4.3.1 Record the following on Attachment 1, CCP RTR Measurement Control Report :

[A] Site.

[B] BDR Number.

[C] Examination Date.

4.3.2 Prepare the video/audio media recording systems for operation in accordance with the manufacturer's instructions.

[A] Verify/Turn ON all the video/audio media system components and monitors.

[B] Label each video/audio media with the following information:

[B.1] For the primary video/audio recording media, record the BDR Number followed by a unique identifier (e.g., LA-RTR1-060004A).

[B.2] **IF** additional recording media is required to complete a BDR,
THEN label the additional media with the BDR number followed by another unique identifier as described in step 4.3.2[B.1].

4.3.3 Perform a video/audio recorded media system check by recording the results of the Image Test on Attachment 1 as follows:

[A] Perform the Image Test.

[A.1] **IF** the test image is correctly observed (Minimum acceptable is five lines-pair/centimeters [cm] or the #6 sieve is viewable),
THEN record the results of the test, **AND** mark SAT on Attachment 1.

[A.2] **IF** the test image is **NOT** correctly observed,
THEN record the results of the test **AND** mark UNSAT on Attachment 1, STOP WORK **AND** notify the Lead Operator (LO) and Vendor Project Manager (VPM).

[B] Replay the video/audio recording media, **AND** verify the video/audio recording media check are satisfactory.

[B.1] **IF** the results of the video/audio recording media check are satisfactory,
THEN mark SAT on Attachment 1.

[B.2] **IF** the results of the video/audio recording media checks are **NOT** satisfactory,
THEN record the results of the test **AND** mark UNSAT on Attachment 1, STOP WORK, **AND** notify the LO and VPM.

4.3.4 Remove the Image Test device when it is conducive to operations.

4.3.5 Record comments if necessary, print name, sign, and date Attachment 1.

4.3.6 Place in holding file.

4.4 RTR System Operation

4.4.1 Waste Container Scanning

NOTE

Waste Container Identification (ID) Numbers shall be obtained by direct visual observation. An Attachment 2 must be completed for all waste containers examined.

[A] Enter the appropriate scan information (e.g., Container ID No., Date) on the video display.

[B] Start recording the examination scan **AND** record verbally the information for the waste container being examined.

[C] Manipulate the container and x-ray controls such that 100 percent of the container volume is examined.

[D] Scan the waste container.

[E] Record the results verbally **AND** in Section 3, Container Inventory and Comments of Attachment 2.

4.4.2 Data Entry

NOTE

The data required by steps [A.1] through [A.8], and [D.1] through [D.5](a), may be entered on Attachment 2 at any time after the waste container is loaded to the RTR unit. The remaining data required to be entered on Attachment 2 may be entered as the operator determines it during the scan.

All fractional weights will be recorded to 1/10 of a kilogram (kg).

Attachments are found on the CCP sftp site.

[A] Record the following data in Section 1 of Attachment 2:

[A.1] Check "√" the applicable type of RTR examination.

[A.2] Site ID.

[A.3] Batch Number.

[A.4] Examination Date.

[A.5] Waste Container ID.

[A.6] Waste Container ID at the top of Page 2 and Page 3 of Attachment 2.

[A.7] Video/Audio Recorded Media Number.

[A.8] Procedure and Revision No.

[A.9] Check "√" yes or no for NCR and if yes is checked record the NCR number.

[B] **IF** a container is identified in the S5000 summary category group that CAN **NOT** be penetrated by the RTR method because of the presence of lead, or other shielding, **THEN** initiate a nonconformance report (NCR) in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

[C] **IF** a container is identified in the S3000 or S4000 summary category group, **AND** RTR is **NOT** capable of penetrating the container so that any liquid present on the top, sides, or bottom of the waste form is identifiable, **THEN** initiate a NCR in accordance with CCP-QP-005.

[D] Ensure the following data is recorded in Section 2, Waste Container Data, of Attachment 2:

[D.1] Container Type.

[D.2] Content (TRUCON) Code.

[D.3] Waste Matrix Code.

[D.4] Waste Stream ID.

[D.5] Waste Container Weights (kg).

(a) Gross Weight (from the CCP Container Traveler or obtain the weight in accordance with the Host site Interface Document).

(b) Tare Weight (Total Packaging Weight from Section 4: Packaging Material and Waste Material Parameters, of Attachment 2).

(c) Net Weight (subtract Tare Weight from Gross Weight).

[D.6] Rigid Liner and Liner Vent Description.

(a) Check appropriate box for Liner or No Liner, Lid or No Lid, Liner Type, Vented or Not Vented, and Venting Method.

[D.7] Estimated number of Layers of Confinement.

NOTE

The fill percent of the container is based on the highest level of the bulk of the waste. Items (e.g., pipe, scrap angle, plastic bags) that protrude above the bulk of the waste are not to be included in the fill percent determination. The fill percent is to be recorded in five percent increments (e.g., 35%, 40%, 45%).

[D.8] Record the estimated Volume Utilization Percentage (VUP).

[E] Complete an itemized description of the waste inventory in the container in Section 3.

NOTE

Additional weight information for items commonly found in waste streams at each site may be provided in accordance with a controlled Operator Aid.

[F] Using packaging weight information provided by the Host site, record the estimated weight (kg) for the packaging materials in Section 4: Packaging Material and Waste Material Parameters, of Attachment 2.

[G] Using Table 2, Waste Material Parameters, Table 3, Waste Item Weights, and additional item weight information provided by the Host site, record the estimated weight for each WMP in Section 3 and sum all WMPs and record the total WMP weight in Section 4 of Attachment 2.

NOTE

The potential exists for prohibited items to be present in the waste container based upon shapes seen in the image and the RTR Operator's knowledge of the waste stream. For example; if the AK for the waste stream DOES **NOT** indicate the presence of Polychlorinated Biphenyl (PCB) free light ballasts, and a ballast is present in the container, the RTR Operator will have reason to believe that PCBs are present.

Internal containers (e.g., bottles, cans, etc.) shall have no more than 60 milliliters or 3 percent by volume, whichever is greater, observable liquid **AND** in no case, shall the total observable liquid volume (i.e., the sum of all internal and/or outermost container volumes) exceed >1%.

[H] Using Table 1, Prohibited Items, as a reference, complete the checklist in Section 5: RTR Summary, of Attachment 2, to confirm there are **NO** prohibited items in the waste container.

NOTE

Potential hazardous wastes identifiable by radiography include:

- Batteries
- Circuit Boards (may be contained in electrical equipment)
- Cathode Ray Tube (CRT)-based computer monitors or televisions
- Lead
- Mercury, mercury containing equipment (e.g., barometers, switches, thermometers, thermostats)
- Light Bulbs (both incandescent and fluorescent)

[H.1] **IF** any hazardous waste(s) **NOT** identified in the AK Summary Report(s) for the waste stream being characterized **OR** any nonconforming/prohibited items are noted during the RTR examination, **THEN** perform the following:

(a) Initiate an NCR in accordance with CCP-QP-005 **AND** record the NCR number in Section 1 and in the comments block of Attachment 2.

NOTE

The physical waste form requirements and waste stream descriptions for the waste stream being evaluated are found in the AK Summary Report. The AK Summary will be available in the work area and referenced as needed.

[H.2] **IF** the waste form DOES **NOT** match the Waste Stream description and/or the Waste Matrix Code, **THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR number in Section 1 and in the comments block of Attachment 2.

[I] Review Attachment 2 for completeness and accuracy.

NOTE

Data changes shall be made by the individual who originally collected the data or an equally qualified individual authorized to change the data.

[I.1] Ensure changes to the data have been initialed and dated with a justification, as necessary, provided in the Comments block of Attachment 2.

[J] Print name, sign, and date Attachment 2.

[K] Place in holding file.

[L] **IF** the waste container constitutes the last container of the batch or day,
THEN STOP, remove the video/audio recording media from the recording components, **AND** properly store the media.

[M] Repeat steps 4.4.1 through 4.4.2 until all containers in the batch have been examined.

4.5 Replicate Scan

NOTE

A BDR completed in one calendar day shall contain a Replicate Scan. BDRs that span over more than one day shall contain a separate Replicate Scan. The Replicate Scan is performed by a second and independent qualified RTR Operator who was not involved in the original scan of the waste container. The Replicate Scan will be performed under the same uniform conditions as a routine scan of a waste container in Section 4.4.

Second RTR Operator

4.5.1 Prior to reviewing the initial, Attachment 2, scan the replicate waste container per Section 4.4, **AND** record the results on a new Attachment 2.

4.5.2 Review the original Attachment 2, **AND** compare the results with the second Attachment 2.

4.5.3 Perform the following when identification of the waste matrix code, liquids in excess of Treatment, Storage, Disposal Facility (TSDF)-Waste Acceptance Criteria (WAC) limits, and compressed gases differ between the two operators:

[A] Reconcile the results with the initial RTR Operator as follows:

[A.1] Jointly perform a real-time review of the Attachment 2(s).

[A.2] Jointly review the video/audio recording media **OR** re-scan the container, **AND** make corrections, as required, to the Attachment 2(s).

[B] **IF** the results CAN **NOT** be reconciled, **THEN** STOP WORK **AND** notify the LO.

4.6 Independent Observations

NOTE

A BDR completed in one calendar day shall contain an IO. BDRs that span over more than one day shall contain a separate IO. The IO will be performed by a second and independent qualified RTR Operator who was not involved in the original scan of the waste container. The IO will be performed by observing the video recording of the original scan with no audio.

Second RTR Operator

4.6.1 Review the video/audio recording media of the original scan, **AND** complete a second Attachment 2.

4.6.2 Review the original Attachment 2 for the subject container, **AND** compare the results with the IO Attachment 2.

4.6.3 Perform the following when identification of the waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases differ between the two operators.

[A] Reconcile the results with the initial RTR Operator as follows:

[A.1] Jointly perform a real-time review of Attachment 2(s).

[A.2] Jointly review the video/audio recording media, **OR** re-scan the container, **AND** make corrections, as required, to the Attachment 2(s).

[B] **IF** the results CAN **NOT** be reconciled, **THEN** STOP WORK **AND** notify the LO.

4.7 RTR System Shutdown

4.7.1 Shutdown the RTR system in accordance with CCP procedure.

4.8 Video/Audio Recording Media System Shutdown

4.8.1 Verify all video/audio recording media have been finalized if necessary and removed from the recording components.

4.8.2 Turn OFF the video/audio media recording systems in accordance with the manufacturer's instructions.

4.9 Batch Data Report Preparation

NOTE

Attachment 5, CCP Radiography Batch Data Report Cover Sheet may be filled out at any time after the container is loaded and the remaining data may be entered during the BDR assembly.

RTR Operator

4.9.1 Assemble Attachment 2(s) for up to 20 waste containers (regardless of matrix) that have been processed from a single RTR unit.

4.9.2 Complete Attachment 5, **AND** record the following:

[A] BDR No.

[B] Contact-handled (CH) or remote-handled (RH) waste.

[C] Date.

[D] Waste Container ID Numbers.

[E] Record which containers are by designation, Replicate Scan and Independent Observation.

[F] Site ID

[G] Print name, sign, and date.

4.9.3 Assemble the following data for the BDR:

[A] Attachment 5, CCP Radiography Batch Data Report Cover Sheet

[B] Attachment 4, CCP Radiography Batch Data Report Table Of Contents and Batch Narrative

[C] Attachment 1, CCP RTR Measurement Control Report

[D] Attachment 2, CCP Radiography Data Sheet

[E] Copy of NCRs, if applicable.

[F] Attachment 3, CCP Radiography Independent Technical Reviewer Checklist

[G] Paginate the BDR.

[H] Two sets of Audio/Video Media.

4.9.4 Forward the BDR package to the ITR.

4.10 RTR Independent Technical Review

NOTE

The independent technical review is conducted by a third and independent qualified RTR Operator who was not involved in the generation or recording of the data under review. The ITR CAN **NOT** review his/her own work.

Attachments are found on the CCP sftp site.

ITR

4.10.1 Review Attachment 1, Attachment 2s, and associated video/audio media recordings, **AND** resolve any comments with the RTR Operator(s).

4.10.2 Review the BDR to the criteria in the checklist of Attachment 3, **AND** document the results.

4.10.3 Print name, sign, and date Attachment 3 and Attachment 5 and any additional Attachments to be inserted in the BDR.

4.10.4 Insert completed Attachment 3 into the BDR.

4.10.5 Insert any additional attachments generated during ITR into the BDR.

4.10.6 Forward the BDR package to the Records Custodian.

Records Custodian

[A] Receive, process, and transmit records in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Batch Data Report (BDR):

- Attachment 1, CCP RTR Measurement Control Report
- Attachment 2, CCP Radiography Data Sheet
- Attachment 3, CCP Radiography Independent Technical Reviewer Checklist
- Attachment 4, CCP Radiography Batch Data Report Table of Contents and Batch Narrative
- Attachment 5, CCP Radiography Batch Data Report Cover Sheet
- Copies of NCRs, if applicable

5.1.2 QA/Non-permanent

[A] Two sets RTR media VHS or DVD

Table 1. Prohibited Items

LIST OF PROHIBITED ITEMS
Liquid waste - Observable liquid shall be no more than 1 percent by volume of the outermost container. - Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited. - Containers with Hazardous Waste Number U134 assigned shall have no observable liquid.
Nonradioactive pyrophorics
Non-mixed hazardous waste
Incompatible wastes (Wastes that are incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, and/or other wastes).
Explosives
Compressed Gases/Pressurized containers (e.g., aerosol cans)
PCB liquids
Ignitables
Corrosives
Reactive waste
Sealed containers greater than 4 liters
Heat Sealed Bags (unvented) with surface area less than 390 square inches and greater than 4 liters, or heat sealed bags not authorized in the RH TRUCON Code.
Sharp or heavy objects, that could reasonably be expected to cause a breach of the container during transport because it is not adequately blocked, braced, or packaged.

Table 2. Waste Material Parameters

Waste Material Parameter	Description
Iron-based metals/alloys (IM)	Iron and steel alloys in the waste; does not include the waste container materials
Aluminum-based metals/alloys (AM)	Aluminum or aluminum-based alloys in the waste materials
Other metals (OM)	All other metals found in the waste materials (e.g., lead, lead blankets)
Other inorganic materials (OI)	Nonmetallic inorganic waste, including concrete, glass, firebrick, ceramics, sand, and inorganic sorbents
Cellulosics (C)	Materials generally derived from high polymer plant carbohydrates (e.g., paper, cardboard, wood, cloth)
Rubber (R)	Natural or man-made elastic Latex materials (e.g., surgeon's gloves, leaded rubber gloves)
Plastics (waste materials) (XPM)	Generally man-made materials, often derived from petroleum feedstock (e.g., polyethylene, polyvinylchloride)
Organic matrix (OR)	Cemented organic resins, solidified organic liquids, and sludges
Inorganic matrix (IN)	Any homogeneous materials consisting of sludge, or aqueous-based liquids which are solidified with cement, calcium silicate, or other solidification agents (e.g., waste water treatment sludge, cemented aqueous liquids, and inorganic particulate)
Soils (S)	Generally consists of naturally occurring soils which have been contaminated with inorganic waste materials
Steel (packaging materials) (ST)	Steel Drums (55- and 85- Gallon)
Plastics (packaging materials) (PP)	90-mil polyethylene drum liner and plastic bags

Table 3. Waste Item Weights[a] Page 1 of 2

ITEM	WEIGHT
Electric Drill Motor	2.2 kg
Electric 4” Side Grinder	2.5 kg
Plastic bag for waste	0.6 kg
Fiber pack	13.0 kg
Fiber pack lead-lined	66.0 kg
Lead brick (5.1 x 10 x 20 cm)	12.0 kg
Leaded Rubber Glove	2.5 kg
Aluminum Sphincter Can	0.2 kg
Leaded Rubber Apron	2.4 kg
Vermiculite	0.1 kg/liter
Oil-Dry	0.4 kg/liter
Poly Bottles (1 gallon)	2.2 kg
Poly Bottles (1 liter)	0.5 kg
Metal Can (for salt wastes)	1.1 kg
Metal Can	0.2 kg
Uncured Portland Cement	2.9 kg/liter
Setup Portland Cement	1.1 kg/liter
High-Efficiency Particulate Air (HEPA) Filter (8 x 8 3-1/16)	1.0 kg
HEPA Filter (8 x 8 x 5-7/8)	1.9 kg
HEPA Filter (12 x 12 x 5-7/8)	2.5 kg
HEPA Filter (24 x 24 x 5- 7/8)	7.2 kg
HEPA Filter (24 x 24 x 11-1/2)	14.1 kg
10’ Tape Measure	0.1 kg
13 Oz. Aerosol Can ¼ Full	0.2 kg
17 Oz. Aerosol Can Full of Liquid	0.5 kg
17" Section of 1" Electrical Conduit	0.5 kg
17" Section of 1" Sch 40 S/s Pipe	1.1 kg
2-Gallon Car-boy ½ Full of Water	5.8 kg
2’ X 4’ Board 20" long	0.7 kg
25’ Plastic Suit Hose	2.3 kg
3" Roll of Duct Tape	0.7 kg
3" Roll of Masking Tape	0.4 kg
5-Gallon Metal Bucket	1.3 kg
50’ Plastic Suit Hose	5.0 kg
6-Gallon Car-boy ½ Full of Water	14.0 kg

Table 3. Waste Items Weights[a] (Continued) Page 2 of 2

ITEM	WEIGHT
Channel Lock Pliers	0.3 kg
Coveralls	0.9 kg
Crescent Wrench	0.2 kg
Empty 2-Gallon Car-boy	0.7 kg
Empty 6-Gallon Car-boy	2.0 kg
Flashlight with Batteries	0.5 kg
Flashlight Without Batteries	0.1 kg
Flat File	0.4 kg
Hacksaw with Blade	0.5 kg
Hammer	0.6 kg
Large Open End Wrench	0.5 kg
Plastic Suit Top and Pants	2.3 kg
Razor Knife	0.1 kg
Sand Bag ½ Full of Gravel	12.7 kg
Scissors	0.2 kg
Vice Grip Pliers	0.5 kg
Welder's Chipping Hammer	0.4 kg
Wire Brush	0.1 kg
Wooden Folding Ruler	0.2 kg
Wooden Wedge	0.2 kg
Liner Bags – Large	0.5 kg
Rad Bags – Medium and Small	0.1 kg

[a]The weights for waste packaging and containers will use the nominal values except where identified by the program. Additional Host site/AK specification weights for waste items shall be provided in accordance with an approved Operator Aid.

Attachment 1 – CCP RTR Measurement Control Report

Site ID:		
Batch Data Report No.:		
Examination Date:		
Control Checks		
Video/Audio Recorded Media System Check	☐ SAT	☐ UNSAT
Image Test : _____ (Minimum acceptable is 5 lines-pair/cm or #6 Sieve is viewable)	☐ SAT	☐ UNSAT
Comments:		
RTR Operator:		
Printed Name	Signature	Date

Attachment 2 – CCP Radiography Data Sheet (Example)

Section 1: General Information	
☐ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	
Batch Number:	
Examination Date:	
Waste Container ID:	
Video/Audio Recorded Media Number:	
Procedure and Revision No.:	Rev.
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ NO ☐ YES NCR No.: _____ NCR No.:
Section 2: Waste Container Data	
Container Type:	
TRUCON Code:	
Waste Matrix Code:	
Waste Stream I.D.:	
Waste Container Weights:	Gross Wt.: _____ kg Tare Wt.: _____ kg Net Wt.: kg
Rigid Liner and Liner Vent Description:	Liner Present: ☐ NO ☐ YES Lid: ☐ NO ☐ YES Type: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐ 125-mil Vented: ☐ NO ☐ YES Fiberboard: ☐ NO ☐ YES
Number of Layers of Confinement:	
Volume Utilization Percentage:	

Attachment 2 – CCP Radiography Data Sheet (Example) (Continued)

Waste Container ID:

Section 3: Container Inventory and Comments (Detailed descriptions)
IM:
AM:
OM:
OI:
C:
R:
XPM:
OR:
IN:
S:

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	
Plastics (PP):	
Others:	
Total Packaging Weight	
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	

Attachment 2 – CCP Radiography Data Sheet (Example) (Continued)

Waste Container ID:

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)		
Is there observable liquid?	☐ YES	☐ NO
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐ YES	☐ NO
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☐ YES	☐ NO
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134??	☐ YES	☐ NO
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐ YES	☐ NO
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐ YES	☐ NO
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	☐ YES	☐ NO
Is there an indication of wastes containing explosives or compressed gases?	☐ YES	☐ NO
Is there an indication of PCBs liquids?	☐ YES	☐ NO
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐ YES	☐ NO
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐ YES	☐ NO
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	☐ YES	☐ NO
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐ YES	☐ NO
Are there sealed containers GREATER than 4 liters?	☐ YES	☐ NO
Are there indications of inadequate protection for heavy and/or sharp objects?	☐ YES	☐ NO
Comments:		
RTR Operator		
Print Name	Signature	Date

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist

Batch Data Report No.:_____

Description				
1.	Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☐ YES	
2.	Was the correct revision of the procedure used? Procedure: Rev.:	☐ NO	☐ YES	
3.	Are the WMPs entered correctly?	☐ NO	☐ YES	
4.	Do the estimated weights in Section 4 of Attachment 2 equal the container gross weight?	☐ NO	☐ YES	
5.	Is the data reported in the proper units with the correct number of significant figures (e.g., one tenth of a kilogram)?	☐ NO	☐ YES	
6.	Has the data been verified for transcription errors?	☐ NO	☐ YES	☐ N/A
7.	Does the Testing Batch Report include radiography for up to 20 containers?	☐ NO	☐ YES	
8.	BDR contents are complete and match the CCP Waste RTR Batch Data Report Table of Contents?	☐ NO	☐ YES	
9.	Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☐ YES	
10.	Is all data recorded clearly, legibly, and accurately?	☐ NO	☐ YES	
11.	All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☐ N/A
12.	Was justification made for changing the original data?	☐ NO	☐ YES	☐ N/A
13.	Were data changes made by the individual who originally collected the data?	☐ NO	☐ YES	☐ N/A
14.	Does the waste match the Waste Matrix Code and Waste Stream description?	☐ NO	☐ YES	
15.	Are the RTR Operator's decisions regarding the Radiography documented?	☐ NO	☐ YES	
16.	Is there an adequate written description of the contents of each item?	☐ NO	☐ YES	
17.	Was the video/audio recording media properly prepared and labeled for each waste container?	☐ NO	☐ YES	
18.	Was the video/audio recording media check performed satisfactorily and recorded on Attachment 1?	☐ NO	☐ YES	

Attachment 3 – CCP Radiography Independent Technical Reviewer Checklist (Continued)

Batch Data Report No.:_____

Description				
19.	Was the Image Test performed satisfactorily and recorded on Attachment 1?	☐ NO	☐ YES	
20.	Was the Replicate Scan performed and recorded on an Attachment 2?	☐ NO	☐ YES	
21.	Was the Replicate Scan RTR Operator different from the first RTR Operator?	☐ NO	☐ YES	
22.	Did the Replicate Scan RTR Operator and the first RTR Operator agree on the results?	☐ NO	☐ YES	
23.	Was the Independent Observation performed and recorded on an Attachment 2?	☐ NO	☐ YES	
24.	Was the Independent Observation RTR Operator different from the first RTR Operator?	☐ NO	☐ YES	
25.	Did the Independent Observation RTR Operator and the first RTR Operator agree on the results?	☐ NO	☐ YES	
26.	Was the data collection performed by qualified individuals?	☐ NO	☐ YES	
27.	Are the NCR(s) associated with the RTR examination included in the BDR?	☐ NO	☐ YES	☐ N/A
28.	QAOs (precision, accuracy, completeness, representativeness) have been met?	☐ NO	☐ YES	

Comments:

I have reviewed 100% of the container specific and batch data in this report and find it acceptable.

Independent Technical Reviewer:

Printed Name	Signature	Date

Attachment 4 – CCP Radiography Batch Data Report Table of Contents and Batch Narrative

Batch Data Report No.:_____ Date:_____

Table Of Contents		
Item	Description	Page No.
1	CCP Radiography Batch Data Report Cover Sheet	
2	CCP Radiography Batch Data Report Table Of Contents	
3	CCP RTR Measurement Control Report	
4	CCP Radiography Data Sheets	
5	Copy of NCRs (NA, If Not Applicable)	
6	CCP Independent Technical Reviewer Checklist	

Batch Narrative

RTR Operator _____ Signature _____ Date

Attachment 5 – CCP Radiography Batch Data Report Cover Sheet

Site ID:_____

Batch Data Report No.:_____ ☐ CH ☐ RH _____ Date:_____

Waste Container ID Numbers	
Replicate Scan:	
Independent Observation:	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

RTR Operator:

Printed Name	Signature	Date

Independent Technical Reviewer:

Printed Name	Signature	Date

Obsolete

CCP-TP-056

Revision 5

CCP HSG Performance Demonstration Plan

EFFECTIVE DATE: 10/27/2011

Mark Pearcy

PRINTED NAME

APPROVED FOR USE

Obsolete

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	05/15/2002	Initial Revision.
1	06/03/2002	Made correction in Attachment 1, Low Concentration from <1500 ppmv to <150 ppmv. Clarified that systems can still be used even though the PDP scoring has not been reported.
2	03/04/2004	Revised sections 3.4, 3.7, and 4.3. Removed Attachments 5 and 6.
3	05/05/2004	Revised Attachment 4 in response to the certification audit at LLNL. Minor Revision.
4	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
5	10/27/2011	Revised to eliminate the Facility Records Custodian, Independent Technical Reviewer (ITR), and Vendor Project Manager (VPM) position since they do not use this procedure. Deleted non-permit requirements and made other editorial corrections needed.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training 5
2.3 Equipment List 5
2.4 Precautions and Limitations 5
2.5 Definitions 5

3.0 RESPONSIBILITIES 6
3.1 HSG Operator 6
3.2 Site Project Manager (SPM) 6

4.0 PROCEDURE 7
4.1 Registering PDP Systems 7
4.2 Sample Receipt 7
4.3 Analysis of PDP Samples 8
4.4 Corrections To Data 9
4.5 Requesting An Extension 10
4.6 Receipt of Scoring Reports and Approval Letter 10

5.0 RECORDS 11

Obsolete

1.0 PURPOSE

The purpose of the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) Headspace Gas (HSG) Performance Demonstration Program (PDP) is to demonstrate the capability of each participating Central Characterization Project (CCP) measurement facility to meet the data quality objectives (DQOs) stated in the CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan* for Volatile Organic Compound (VOC) HSGs. DOE CBFO utilizes the PDP as part of the assessment and approval process for measurement equipment performing characterization activities for transuranic (TRU) waste.

After initial acceptable performance is demonstrated through the PDP process, the characterization process will begin operating under normal conditions, as long as operations meet the procedurally-specified checks prescribed for the equipment. For subsequent PDPs, once the CCP receives the scoring results, corrective actions will be initiated, as warranted, based on these results.

1.1 Scope

This procedure provides the required elements to complete a HSG PDP and report PDP results.

2.0 REQUIREMENTS

2.1 References

Referenced Documents

- DOE/CAO-95-1076, *Performance Demonstration Program Plan for Analysis of Simulated Headspace Gases*
- CCP-PO-001,*CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*

2.2 Training

2.2.1 Personnel performing this procedure will be trained in accordance with CCP-QP-002, *CCP Training and Qualification Plan*.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 Acceptable performance in accordance with the PDP must be demonstrated by the participating facility prior to the shipment and disposal of waste at Waste Isolation Pilot Plant (WIPP). Facilities will be evaluated periodically, as specified in DOE/CAO-95-1076, *Performance Demonstration Program Plan for Analysis of Simulated Headspace Gases*.

2.5 Definitions

2.5.1 None.

3.0 RESPONSIBILITIES

3.1 HSG Operator

3.1.1 Performs HSG analyses of TRU and TRU-mixed waste for disposal at the WIPP in accordance with approved CCP operating procedures applicable to the instrument.

3.1.2 Completes electronic and hard copy of the forms for results provided by the PDP Coordinator.

3.1.3 Completes Batch Data Reports (BDRs) in accordance with the approved CCP procedure applicable to the instrument.

NOTE

DOE CBFO's Standards Preparation Contractor (SPC) prepares and distributes the PDP samples and is responsible for conducting confirmatory analysis on each gas mixture.

3.2 Site Project Manager (SPM)

3.2.1 Reviews PDP results prior to submission to HSG PDP Coordinator.

3.2.2 Coordinates correspondence with HSG PDP Coordinator and CBFO.

3.2.3 Serves as CCP primary contact for administration and reporting PDP samples and results.

3.2.4 Takes corrective action in the event a deficiency is identified during the PDP.

3.2.5 Ensure the results are transmitted to HSG PDP Coordinator.

3.2.6 Reviews BDRs generated during the PDP in accordance with approved CCP procedures.

3.2.7 Submits a request for PDP extension if needed.

4.0 PROCEDURE

4.1 Registering PDP Systems

SPM

4.1.1 Provide the HSG PDP Coordinator with the name, telephone number, fax number, and address of the contact person(s) responsible for administrative communications for the HSG PDP.

4.1.2 Provide the HSG PDP Coordinator with an address suitable for delivery by freight and express package service of the PDP samples.

NOTE

For a CCP facility that operates two or more identical analytical systems, only one system needs to participate in a PDP cycle. The facility shall rotate participation in consecutive PDP cycles. Each individual system must participate in the PDP at least once every three years. Therefore, if a CCP facility has more than three identical systems, PDP analyses must be conducted and the data reported for more than one system during some of the HSG PDP cycles. The criteria outlined in DOE/CAO-95-1076 will be used for guidance.

4.2 Sample Receipt

HSG Operator

4.2.1 Upon receipt of the canisters, locate the delivery/Chain-of-Custody (COC) form.

4.2.2 Verify the canisters received match those listed on the COC form both by serial number and physical description.

4.2.3 Verify canisters have **NOT** leaked by comparing pressure on receipt to recorded shipping pressure.

4.2.4 **IF** a discrepancy exists,
THEN perform the following:

[A] Notify the HSG PDP Coordinator and Site Project Manager (SPM) immediately.

[B] Accept delivery by noting discrepancies on the COC form and signing it.

[C] Await further instructions from the HSG PDP Coordinator.

4.2.5 **IF** there are NO discrepancies,

THEN indicate receipt by signing the COC form.

NOTE
Completion of the COC form establishes the validated time of sample receipt (VTSR), which starts the 28-day clock for submittal of the test results.

NOTE
Copies must be returned within 24 hours.

[A] Return copies of the COC form to both the SPC and HSG PDP Coordinator.

4.3 Analysis of PDP Samples

4.3.1 Analyze the contents of each canister in quadruplicate using the methods and procedures that have been approved for CCP use.

4.3.2 Record the following information on both the electronic and hardcopy version of the report from the PDP Coordinator:

NOTE
The system shall be identified by a number that is permanently fixed to the system (e.g., a serial number or U.S. Government property identification number) so that movement of a system from one site to another can be tracked by the documentation of the system number used here.

[A] Identification of the reporting measurement facility and the system (equipment) on which the samples were analyzed.

[B] Identification of the PDP distribution cycle for which the data are being reported.

[C] Identification of the canister by the serial number from the COC form.

[D] Any additional identification assigned to the canister by the measurement facility.

[E] Identification of the procedure (including revision number) used for the analysis of each analyte (the procedure number is entered in the “Method ID” column on the form provided by the PDP Coordinator, an example of which is shown in Appendix B of DOE/CAO-95-1076).

[F] Identification of the replicate number corresponding to the analytical data.

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[G] Identification and concentration for each target compound or analyte identified.

[H] Identification and estimated concentration for any tentatively identified compounds (TICs) found.

[I] Date and time of analysis.

[J] Identification of the analyst performing the PDP analysis.

[K] Comments, if applicable.

4.3.3 Initiate BDRs in accordance with the procedures that have been approved for CCP use.

NOTE

Data review checklists are completed by checking the Pass, Fail, or N/A block as appropriate. If an item is not applicable for the PDP, an explanation is given in the comment block.

4.3.4 Process BDRs in accordance with the procedures that have been approved for CCP use.

SPM

4.3.5 Review BDRs in accordance with methods and procedures that have been approved for CCP use.

4.3.6 Ensure PDP data (both electronic format and hardcopy) is submitted to the HSG PDP Coordinator within 28 days of the VTSR.

4.4 Corrections To Data

HSG Operator

4.4.1 Notify the SPM, explaining error immediately.

SPM

4.4.2 Notify the HSG PDP Coordinator.

4.5 Requesting An Extension

HSG Operator

4.5.1 **IF** PDP analyses will **NOT** be reported within the 28 days, **THEN** notify the SPM immediately by voice or e-mail, **AND** follow up in writing **PRIOR** to the due date.

SPM

4.5.2 Notify HSG PDP Coordinator, **AND** request an extension in accordance with Section 4.2 of the DOE/CAO-95-1076.

4.5.3 Submit a copy of extension letter to CCP Records.

NOTE

When PDP samples have been run and the results are off for scoring, the HSG equipment is in normal operation − as long as operations are meeting the procedurally-specified checks prescribed for the equipment.

4.6 Receipt of Scoring Reports and Approval Letter

SPM

4.6.1 Review and report scoring results and approval letter back to the HSG Operator.

4.6.2 Submit a copy of scoring results and approval letter to CCP Records.

4.6.3 **IF** notified that the HSG systems have failed, **THEN** perform the following:

[A] Investigate the cause(s) of the failure(s) and take corrective action.

[B] Generate sufficient data to demonstrate that the same problem will not recur.

[C] Within 30 days of receipt of the scoring report, submit a report of corrective actions to the DOE CBFO addressing the above. This report also shall include an assessment of the impact of the facility's approval status for HSG analysis on waste characterization activities.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management*. The records are the following:

5.1.1 QA/Non-permanent

[A] PDP BDR (generated in accordance with the approved CCP procedure applicable to the instrument)

[A.1] WIPP Waste Characterization Program Laboratory Performance Demonstration COC Form

[A.2] Performance Demonstration Program Report Form HSG Analysis - Volatiles Form

[B] Scoring Reports

[C] Approval Letter

[D] Extension Letter

[E] Report of Corrective Actions

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CCP-TP-066

Revision 13

CCP
Radiography Screening Procedure for Prohibited Items

EFFECTIVE DATE: 06/27/2013

Mike Ramirez

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	03/08/2002	New procedure to allow screening drums using RTR equipment to determine if prohibited items exist in the drum.
1	12/12/2004	Changes made to correspond with CCP-TP-011, CCP-TP-045 and CCP-TP-102. Updated references in procedure. Changes were made throughout the procedure for use at various sites.
2	05/11/2005	Revised to implement Idaho National Laboratory (INL) requirements and aligned with RTR Procedures.
3	06/14/2005	Revised for operation of the Real-Time Radiography (RTR) System for screening at Idaho National Laboratory (INL).
4	10/27/2005	Removed references to CCP-TP-045 and CCP-TP-102 and replaced with CCP-TP-119 and CCP-TP-116.
5	11/08/2005	Revised CAUTION above step 4.2.2 to clarify use at SRS only.
6	02/07/2006	Revised to change the OUT button to the OFF/STOP/AUTO OUT and the ON button to the ON/START/X-RAY ON button on the control console.
7	10/23/2006	Revised to support the use of any Real-Time Radiography (RTR) unit for fast scan. Currently this procedure limits use to four specific systems.
8	10/25/2006	Minor revision to correct dates in the header.
9	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
10	10/18/2007	Revised to incorporate use of SRS RTR unit on Pad 4. Added missing Record of Revision entries for Revisions 7 and 8.
11	12/29/2010	Revised to implement the revision of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
12	09/21/2012	Revised to address the real-time radiography (RTR) upgrade of changing the Image Intensifier to a Digital Image Panel at Idaho National Laboratory (INL).
13	06/27/2013	Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Precautions and Limitations 6
2.5 Prerequisite Actions 6
2.6 Definitions 7

3.0 RESPONSIBILITIES 9
3.1 RTR Operator 9
3.2 Radiological Control Technician (RCT) 9
3.3 Facility Records Custodian 9

4.0 PROCEDURE 10
4.1 Pre-Start Operations 10
4.2 Video Setup 10
4.3 Powering the X-ray System 10
4.4 Container Loading 11
4.5 Lines-Pair Resolution Test 11
4.6 Performing RTR Operations 12
4.7 Container Unloading 13
4.8 RTR System Shutdown 14
4.9 Video System Shutdown 14
4.10 Data Validation 14

5.0 RECORDS 15

LIST OF ATTACHMENTS

Attachment 1 – RTR Measurement Control Report 16
Attachment 2 – RTR Container Quick Screening Log Sheet 17

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1.0 PURPOSE

This procedure will be used to screen candidate containers to determine if prohibited items are present in the waste. Waste containers that contain prohibited items will be returned to the Host site; otherwise the containers will receive full Nondestructive Examination (NDE) characterization under the Central Characterization Program (CCP).

1.1 Scope

The purpose of this procedure is to screen candidate containers to determine if they qualify for the extensive formal certification process. Screening is defined as a preliminary check to determine if a container contains obvious prohibited items such as liquid. This time-saving preliminary check will expedite the overall waste certification process and reduce operating costs. This procedure will **NOT** be used to certify waste. As a result, CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, will **NOT** apply.

This procedure specifies instructions for performing Real-Time Radiography (RTR) of Contact-Handled (CH) Transuranic (TRU) waste containers. It also specifies methods for documenting the screening results.

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2.0 REQUIREMENTS

2.1 References

Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Equipment List

2.3.1 Real-Time Radiography (RTR) System

[A] A control and data acquisition console/station

[B] An x-ray producing component with controls allowing the RTR operator to vary the voltage (e.g., 0-450 Kilovolt [kV]) to control the image quality

[C] An imaging system

[D] An enclosure for protection from radiation and potentially contaminated items

[E] A waste container handling system with turntable dolly assembly

[F] A video monitoring system

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2.4 Precautions and Limitations

2.4.1 If this procedure can **NOT** be implemented as written, RTR personnel shall notify appropriate supervision. If it is determined that a portion of the work can **NOT** be accomplished as described in this procedure **OR** would result in an undesirable situation, work shall be STOPPED. Work will **NOT** be resumed until this procedure is modified or replaced by a new document that reflects the current work practice.

2.4.2 The personal protective equipment (PPE) for normal operations is leather gloves (when handling containers). Additional PPE may be specified by Host site work control procedures. Personnel will don the required or specified PPE before starting RTR operations.

2.4.3 High energy x-rays, high voltages, and pinch points are the potential hazards associated with the RTR system. These hazards are addressed in safety training for personnel who operate the RTR System.

2.4.4 Workers who will be working in a radiation area must have read and signed the applicable Host site work control procedure(s).

2.5 Prerequisite Actions

2.5.1 Perform the RTR daily and semi-annual interlock and safety inspections in accordance with approved controlling procedures.

2.5.2 Initiate Attachment 1, RTR Measurement Control Report, **AND** record Site Location and Examination Date.

2.5.3 Check the RTR warning lights, audible alarm, and that the semi-annual radiation survey and Estops/interlocks test and inspection certification has been performed within the last six months.

[A] Verify each item at the beginning of each day, or any time after the Power Key Switch is turned OFF and before the RTR System is powered up and used to x-ray waste containers.

2.5.4 Record the successful completion of system maintenance and safety checks, verifying that the system maintenance and system checks were performed on Attachment 1 or NA if **NOT** applicable.

2.5.5 Record YES, NO or N/A on system maintenance and safety checks on the same Attachment 1 as the Lines-Pair Resolution Test.

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2.5.6 **IF** any of the system checks are recorded NO, which is fail, **THEN STOP WORK**, notify the RTR Lead Operator (LO), Vendor Project Manager (VPM), **OR** Operations Foreman (OF), and Line management as necessary, **AND DO NOT** perform RTR operations until the failed system is repaired or replaced.

[A] Verify the Audible and/or visual warning, audible alarm, minimum 20 second delay and RTR door interlocks as operating properly at the beginning of each day **OR** any time after the Power Key Switch is turned OFF.

[B] Verify the x-ray compliance label, located in the RTR control room is current, and checked after maintenance, or after any modifications.

[C] **IF** the x-ray certification is past due, **THEN** DO **NOT** use the RTR system until the appropriate surveys, tests and inspections have been completed.

[D] Ensure to conduct a radiation survey with a calibrated meter in accordance with Host site procedures prior to entering the vault.

2.6 Definitions

2.6.1 **CH TRU Waste** – Packaged TRU waste with an external combined gamma/neutron surface dose rate that does not exceed 200 millirem (mrem) per hour.

2.6.2 **Internal Container** – A container inside the outermost container examined during radiography or visual examination (VE). Drum liners, liner bags, plastic bags used for contamination control, capillary-type labware, and debris not designed to hold liquid at the time of original waste packaging are not internal containers.

2.6.3 **Observable Liquid** – Liquid that is observable using radiography or VE as specified in Permit Attachment C, Waste Analysis Plan.

2.6.4 **RTR** – A type of remote NDE that uses a luminescent screen to form a moving image from x-rays that have passed through a test object. RTR is relied on for detection of waste form shapes, the presence of observable liquid, and the presence of unvented gas cylinders.

2.6.5 **TRU Mixed Waste (TRU MW)** – TRU waste that includes hazardous constituents as identified in Title 40 *Code of Federal Regulations* (CFR) Part 261, Appendix VIII, *Hazardous Constituents*.

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2.6.6 **TRU Waste** – Without regard to source or form, waste that is contaminated with alpha-emitting radionuclides with half lives greater than 20 years and concentrations greater than 100 nanocuries per gram (nCi/g) at the time of examination and that have an atomic number greater than 92.

2.6.7 **Image Intensifier/Digital Image Panel** – An electronic device used to detect x-radiation and convert the energy into a visible light image viewable by the human eye.

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3.0 RESPONSIBILITIES

3.1 RTR Operator

3.1.1 Operates the RTR System to determine the waste content attributes of a waste container.

3.1.2 Performs review of the data.

3.1.3 Complete Attachment 1, RTR Measurement and Control Report and Attachment 2, RTR Container Quick Screening Log Sheet.

3.2 Radiological Control Technician (RCT)

3.2.1 Prepares required Radiation Work Permits (RWPs), where applicable, for testing containers.

3.2.2 Performs contamination and swipe surveys of the RTR System.

3.3 Facility Records Custodian

3.3.1 Receives, processes, and transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

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4.0 PROCEDURE

4.1 Pre-Start Operations

NOTE
If during this operation, any abnormal conditions are observed, the operation must be STOPPED, equipment placed in a safe configuration, and the Facility Shift Manager notified.

4.1.1 Perform pre-start operations in accordance with appropriate Radiography Operating Procedure, before powering up the RTR system.

4.2 Video Setup

4.2.1 Video Monitor Setup

[A] Check that the POWER switches are in the ON position for all video monitors.

[B] Check that the power ON lights are illuminated on all video monitors.

4.3 Powering the X-ray System

4.3.1 Power ON x-ray with appropriate Radiography Operating Procedure.

4.3.2 Perform check on x-ray system interlocks with appropriate Radiography Operating procedure.

WARNING
If any RTR interlock is **NOT** functional, work may **NOT** continue until all corrective actions have been completed, and all interlocks are functional.

4.3.3 Perform a warm-up sequence for the RTR system following the manufacturer's recommended procedure.

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4.4 Container Loading

NOTE

Prior to loading the first container of the day, the RTR Operator will ensure that the Lines-Pair Resolution Test Gauge is affixed to the upper one-third of the container. The RTR Operator will also request that the Lines-Pair Resolution Test Gauge is removed after the first container or set of container(s) are scanned. The RTR Operator will request that the measuring device is affixed to each container loaded for scanning as necessary.

4.4.1 Load the container(s) onto the waste container handling system, as determined by the RTR Operator, utilizing the approved site-specified container handling procedures and equipment.

4.4.2 Transport the container(s) into the x-ray vault.

4.4.3 While maintaining visual surveillance on the video monitor, at the RTR Operator's Bench Board, CLOSE the vault doors **OR** verify the vault doors are closed.

NOTE

The Lines-Pair Resolution Test must be conducted at the beginning of each day (or at the beginning of each shift when operations are continuous).

The Lines-Pair Resolution Test must include observation of a Lines-Pair Resolution Test Gauge affixed to the upper one-third of the first container to ensure that the RTR System has adequate video quality.

To pass, at least 5 lines-pair per centimeter (5 LP/cm) must be visible.

The Lines-Pair Resolution Test Gauge shall consist of a lead-foil raster screen with a maximum thickness of 0.1 cm. The lead foil may be bonded between two plastic plates for mechanical strength. The Lines-Pair Resolution Test Gauge SHALL be capable of demonstrating a range of resolution of 5 – 50 LP/cm.

The RTR Operator may vary the following settings and controls as applicable to obtain the desired image results: kV and Milliampere (mA) settings, turntable controls, camera controls, and Image Intensifier magnifications.

4.5 Lines-Pair Resolution Test

4.5.1 Rotate the container until the Lines Pair Resolution Test Gauge appears on the raw image monitor.

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4.5.2 **IF** the test FAILS,
THEN repeat this section.

4.5.3 **IF** the test FAILS a second time,
THEN STOP WORK, **AND** inform the RTR LO, vendor project manager (VPM) or operations foreman (OF), as necessary.

4.5.4 Record the results (e.g., Pass or Fail) of the Lines-Pair Resolution Test on Attachment 1, **AND** print name, sign and date.

4.5.5 Place Attachment 1 in holding file.

4.6 Performing RTR Operations

NOTE
Steps 4.6.2 through 4.6.10 are performed for each new container entering the vault for RTR examination.

4.6.1 Record date at the top of Attachment 2.

4.6.2 Obtain the correct container number by checking the video monitor, looking through the lead glass window of the vault personnel door, **OR** going outside, **AND** record on Attachment 2.

4.6.3 At the control console, ensure that the initial values for kV and mA are set in their minimum settings position.

4.6.4 At the control console, press the ON/START/X-RAY ON button, as applicable.

4.6.5 At the control console, enhance the image by varying the kV and mA values.

4.6.6 Rotate the container to the desired rotation start position using the turntable switch.

4.6.7 Use the joystick, turntable switch, and the rotation speed switch to position the turntable in the desired position to make a detailed inspection of an item or items in the container.

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WARNING

Work may **NOT** continue if the x-ray warning lights DO **NOT** extinguish when the OFF/STOP/AUTO OUT button on the control console is depressed. The RTR LO, VPM or OF, as necessary, must be notified immediately.

4.6.8 At the control console, press the OFF/STOP/AUTO OUT button, as applicable.

4.6.9 **IF** the x-ray warning lights DO **NOT** extinguish,
THEN STOP WORK, **AND** immediately notify the RTR LO, VPM or OF, as necessary.

4.6.10 **IF** any items from CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure,* Table 1, Prohibited Items, are found,
THEN check FAIL, **AND** record on Attachment 2:

NOTE

The description and location of prohibited items shall be recorded in the "Remarks" column on Attachment 2. For liquids, include the volume and container description (if applicable), and location of liquids (e.g. one cup of liquid in small plastic container, 6 inches from bottom).

4.6.11 **IF** none of the conditions identified in step 4.6.10 are noted during RTR,
THEN check PASS on Attachment 2.

4.6.12 **IF** a prohibited item was identified in the container,
THEN notify the RTR LO, VPM or OF, as necessary.

4.7 Container Unloading

4.7.1 OPEN the vault doors while maintaining visual surveillance on the video monitor.

4.7.2 Unload the container(s) from the waste container handling system utilizing the approved site-specified container handling procedures and equipment.

4.7.3 **IF** scanning operations are to continue,
THEN request that a container(s) be loaded on the turntable or conveyor using the approved site-specified container handling procedures and equipment, **AND** GO TO step 4.4.

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4.7.4 **IF** scanning operations are **NOT** to continue,
THEN GO TO Section 4.8.

4.7.5 GO TO Section 4.6.2 to resume scanning operations.

4.8 RTR System Shutdown

NOTE

This section is used to shutdown the RTR system after all scanning activities have been completed.

4.8.1 Perform the shutdown operations using the appropriate Radiography Operating Procedure.

4.9 Video System Shutdown

4.9.1 Shut down all components on the control panel using the main power switch located on the control console, if applicable.

4.9.2 **IF** individual components are to be shut down,
THEN power down all video monitors by pressing the POWER switch on each video monitor, if applicable.

4.10 Data Validation

RTR Operator

4.10.1 Retrieve Attachment 1 from holding file, **AND** check that data is recorded accurately on Attachment 1 and Attachment 2.

[A] Print name, sign, and date Attachment 2.

4.10.2 Forward Attachments 1 and 2 to the Facility Records Custodian.

Facility Records Custodian

4.10.3 Receive, process, and transmit Attachments 1 and 2 in accordance with CCP-QP-008.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] Attachment 1, RTR Measurement Control Report

[B] Attachment 2, RTR Container Quick Screening Log Sheet

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Attachment 1 – RTR Measurement Control Report

Site Location:_____

Examination Date:_____

System Maintenance and Safety Checks:

X-Ray Compliance Certification Current	☐ YES	☐ NO	
Audible and/or Visual Warning Signals	☐ YES	☐ NO	
RTR Door Interlocks Operating	☐ YES	☐ NO	
Coolant Level Acceptable	☐ YES	☐ NO	☐ N/A
Minimum 20 Second Delay Function	☐ YES	☐ NO	☐ N/A
Emergency Shutdown Switches	☐ YES	☐ NO	

Control Checks:

Lines-Pair Resolution Test (lines-pair/cm) lp/cm _____ ☐ PASS ☐ FAIL

(Minimum Acceptable 5 lines-pair/cm)

RTR Operator: _____ Date: _____

Print Name/Signature

Attachment 2 – RTR Container Quick Screening Log Sheet

Date:_____ Page _____ of _____

CONTAINER #	PASS	FAIL	REMARKS

RTR Operator:

_____ _____ _____

Printed Name Signature Date

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CCP-TP-074

Revision 6

CCP
Large Container Non-Destructive Examination (LCNDE) Operating Procedure

EFFECTIVE DATE: 02/04/2013

Mike Ramirez

PRINTED NAME

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	09/07/2010	Initial Issue.
1	10/07/2010	Corrected Radiation Generating Device (RGD) issues.
2	01/30/2012	Revised to clarify steps on Attachment 1, NDE Daily Pre-Operational Checklist
3	02/28/2012	Revised to remove steps no longer applicable to the procedure and to clarify Radiological Protection Department (RPD) responsibilities.
4	03/13/2012	Revised to update Section 4.1.13.
5	07/24/2012	Revised for new robotic system software interface, added Attachment 2, PaR Robotic System Operation.
6	02/04/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Software 5
2.5 Precautions and Limitations 5
2.6 Prerequisite Actions 7

3.0 RESPONSIBILITIES 8
3.1 RTR Operator 8
3.2 RTR Lead Operator (LO) 8
3.3 Vendor Project Manager (VPM) 8
3.4 Facility Records Custodian 8

4.0 PROCEDURE 9
4.1 System Startup 9
4.2 Operation 11
4.3 Normal System Shutdown 14
4.4 Facility Records Custodian 15

5.0 RECORDS 16

Attachment 1 – NDE Daily Pre-Operational Checklist 17
Attachment 2 – PaR Robotic System Operation 21

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1.0 PURPOSE

The purpose of this procedure is to provide instructions for safe start up, operation, and shut-down of the Large Container Non-Destructive Examination (LCNDE) system, at the Savannah River Site (SRS).

1.1 Scope

This procedure applies to LCNDE activities performed by qualified Real-Time Radiography (RTR) Operators. Waste characterization activities for the purposes of Waste Isolation Pilot Plant certification are outside the scope of this procedure. Maintenance activities are also outside the scope of this procedure.

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2.0 REQUIREMENTS

2.1 References

2.1.1 Referenced Documents

- CCP-PO-005, *CCP Conduct of Operations*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained, qualified, and placed on the Central Characterization Program (CCP) List of Qualified Individuals for radiography operations.

2.3 Equipment List

- Image Test pattern gauge
- X-Ray Control Panel Key
- Locks and key to Low Activity Waste Vault (LAWV) Cell gates

2.4 Software

2.4.1 None

2.5 Precautions and Limitations

2.5.1 The personal protective equipment (PPE) for normal operations is leather gloves, safety shoes, and safety glasses (when handling containers). Ear plugs are required when forklifts are moving containers in the LAWV Cell 2. Additional PPE may be specified by a Host site Radiological Control Technician (RCT) or in a site-specific Radiation Work Permit (RWP).

2.5.2 The LCNDE system generates x-rays up to three million electron volts. An interlock system will de-energize x-ray generation when any LAWV Cell 1 and Cell 2 gate or door is opened.

2.5.3 Keys to the LCNDE system and LAWV Cell 1 and Cell 2 access gates must remain under the control of the RTR operator at all times, when the system is operating.

2.5.4 The PaR robotic system is subject to moving without warning. Blue lights on the light towers will illuminate when the system is “armed” and capable of being moved.

2.5.5 The LCNDE is equipped with visible and audible warning signals, which activate for 30 seconds prior to initiation of the x-ray beam. A yellow light on the light tower and an alarm horn indicate that the 30-second “Pre-Warn” cycle has been initiated. A red light indicates that the x-ray beam is on. If these signals activate at any time during LAWV Cell 1 and Cell 2 entry (other than testing), immediately press the nearest Emergency Stop (E-Stop) button. This will stop any movement of the robotic system, and shut down the x-ray system.

2.5.6 Following x-ray operation, any re-entry into LAWV Cell 1 and Cell 2 requires Radiological Protection Department (RPD) to use a suitable, calibrated radiation detection instrument to verify that the x-ray tube has been fully de-energized.

2.5.7 In the event an in-cell E-Stop button is actuated in a true emergency situation (x-ray operation with personnel in the cell), the system shall be secured pending an investigation by facility management.

2.5.8 X-ray system trips resulting from an internal (Varian) system fault may be reset, and operation resumed. These may occur during changes in the trigger rate, or during extended periods of operation. Two repeated occurrences should be investigated by the RTR Lead Operator (LO), as needed.

2.5.9 Loss of x-ray beam resulting from interlock system actuation must be investigated by the RTR operator. Spurious trips of the system during operation are rare, and the operator must be assured that no attempt to enter the cell has been made.

2.5.10 Abnormal or unexpected movement of the PaR system may be stopped using the E-Stop button on the CIMROC cabinet or on the teach pendant. These buttons ONLY stop the PaR system movement, and will **NOT** shut down the x-ray system. Use of the E-Stop on the Operator Console will stop the PaR system, and shut down the x-ray system.

2.5.11 In the event an E-Stop condition or “perimeter interlock” fault preventing startup or operation of the x-ray system cannot be cleared, yet the display on the Interlock Touch Screen is normal, it may be necessary to cycle the power to the interlock cabinet. This is performed by turning off circuit #13 /15 in E661006-ELLV-PNL-002 for approximately ten seconds, then turning it back on. The x-ray modulator will need to be restarted following this action.

2.5.12 RTR Operators will ensure electrical panels and junction boxes are closed; prior to start-up of the LCNDE system.

2.5.13 RTR Operators will ensure that LAWV Cell 1 and Cell 2 are clear of personnel, doors and gates are closed and locked. To facilitate this, a Closed-Circuit Television system has been installed.

2.5.14 Ensure the safety pins are installed to the conveyor table before container movement by Host site personnel.

2.6 Prerequisite Actions

2.6.1 Conduct a safety walk-down of the equipment, **AND** record results in the Nondestructive Examination (NDE) Operational Logbook at the beginning of each shift.

2.6.2 Verify the radiation leak check compliance label (OSR4-958, *RGD Inspection and Survey Due Date Label*), located on the X-Ray Control Panel, is current.

[A] **IF** the radiation leak check has expired, or hardware or software adjustments/modifications have been performed, **THEN DO NOT** proceed with RTR operations until Radiation Protection Services personnel and Radiation Generating Device (RGD) Custodian perform and document a radiation leak check and certify the LCNDE system is operating within allowable limits.

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3.0 RESPONSIBILITIES

3.1 RTR Operator

3.1.1 Completes Attachment 1, NDE Daily Pre-Operational Checklist.

3.1.2 Operates the LCNDE system.

3.1.3 Maintains the NDE Operational Logbook.

3.2 RTR Lead Operator (LO)

3.2.1 Ensures the technical quality in all aspects of the RTR examination process.

3.2.2 Provides supervision for the overall operation of the LCNDE system and is, at a minimum, a qualified RTR Operator.

3.2.3 Notifies SRS RGD custodian of qualified NDE operators.

3.3 Vendor Project Manager (VPM)

3.3.1 Ensures CCP personnel comply with environmental safety, security requirements, and CCP safety requirements.

3.4 Facility Records Custodian

3.4.1 Receives, processes, and transmits completed Attachment 1, in accordance with CCP-QP-008, *CCP Records Management.*

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4.0 PROCEDURE

NOTE

If a system fault/error occurs during system startup, the operator, based on training and RTR LO guidance should take non-repair actions (i.e., no hardware or software adjustments/modifications) to reset the system. If the fault/error cannot be corrected, the Vendor Project Manager (VPM), and LO should be notified and the system shutdown per Section 4.3.

4.1 System Startup

4.1.1 **VERIFY** the system status file in Shift Manager Trailer 704-37E contains a LAWV Cell 2 NDE System Electrical Alignment Checklist.

4.1.2 **VERIFY** the RGD Label (OSR4-958, RGD Inspection and Survey Due Date Label) is current and affixed on the X-ray Control Panel **AND** record in the NDE Operational Logbook.

4.1.3 **IF** the RGD Label is not current,
THEN STOP and notify the LO and VPM.

4.1.4 **VERIFY** coolant level in the surge tank for the NDE Temperature Control Unit is between the inlet and outlet ports, **IF NOT**,
THEN ENSURE Maintenance fills before proceeding.

4.1.5 **ENERGIZE** the NDE Temperature Control Unit in LAWV Cell 2 by turning to ON position.

4.1.6 **ENSURE** that the PaR robotic system is clear of any obstructions or foreign material which could interfere with movement.

4.1.7 **ENSURE** that the operator console E-Stop button is **NOT** depressed,
THEN ENERGIZE the Varian Medical System M3 Linatron® X-Ray Source in accordance with the following:

[A] **PRESS** the Reset Button in the Modulator Trailer.

[B] **ENSURE** the red “Power is On” is displayed on the Main Control Screen and that the system is “Warmup” status.

[C] **ENSURE** trigger rate is set to external.

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4.1.8 **ENSURE** surveillance cameras are powered ON, **AND** video monitor displays an image from LAWV Cell 2 cameras.

NOTE

If a system fault/error occurs during system startup, the operator, based on training and LO guidance should take non-repair actions (i.e. no hardware or software adjustments/modifications) to reset the system. If the fault/error **CANNOT** be corrected, contact the VPM and LO and proceed to Section 4.3, Normal System Shutdown.

WARNING

VERY HIGH RADIATION conditions exist in the LAWV Cell 2 when operating that can result in lethal doses to personnel from unauthorized entry. Functioning alarms are needed to provide a 30 second warning to personnel of VERY HIGH RADIATION hazard. Interlocks provide for automatic shutdown of the VERY HIGH RADIATION when perimeter doors and gates are opened.

4.1.9 **COMPLETE** Attachment 1.

4.1.10 **ENERGIZE** the PaR Robotic System using the CIMROC 5/21 Controller Switch on the front panel of the CIMROC cabinet.

4.1.11 **LOGIN** to PaR, Area Detector Array (ADA), and Linear Detector Array (LDA) computers as necessary, **AND ALLOW** the PaR software to finish loading before proceeding to the next step.

4.1.12 **PRESS** the BLUE E-Stop “Reset” button on the PaR system CIMROC cabinet, **AND VERIFY** that the E-Stop clears on the PaR computer display.

4.1.13 **START** PaR Interface program on the LDA computer, and SRS 1.1 program on the ADA computer.

4.1.14 Click the “Take Control” button on the PaR Interface to establish communication with the PaR system.

4.1.15 **ENSURE** that there are no E-Stop conditions present on the Interlock Display Panel or on the PaR computer screen, **AND RESOLVE** any discrepancies prior to proceeding.

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4.1.16 **ENSURE** that the Varian x-ray system has completed the warm-up period, and that all interlocks (except key fault) are satisfied on the Main Control Screen.

4.1.17 **ARM** the robotic system by clicking the “Arm Robot” button in the PaR Interface program.

4.2 Operation

NOTE

If a system fault/error occurs during operations, the operator, based on training and LO guidance should take non-repair actions (i.e., no hardware or software adjustments/modifications) to reset the system. If the fault/error cannot be corrected, the VPM, and LO should be notified and the system shutdown per Section 4.3.

4.2.1 **ENSURE** that the PaR motion control system is armed as indicated by the green “ARM POWER” light on the PaR computer screen and the blue light on the interlock display panel.

[A] **IF** the PaR motion control system is **NOT** armed, or fails to respond as expected,
THEN restart the PaR software and/or hardware per Attachment 2, PaR Robotic System Operation.

NOTE

At this point, the operator should observe the trigger rate setting.

4.2.2 **POSITION** the camera to the “ADA/Container preset.”

4.2.3 **ENSURE** the X-Ray Control Panel Key Switch is in the ENABLE position.

4.2.4 **ENSURE** that the x-ray source is positioned to the “Near” position (X-axis=-160).

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WARNING

The LCNDE system is classified as a shielded installation in which the X-ray Generating Device and all objects exposed are within a permanent enclosure within which no person is permitted to remain during irradiation. Operating this equipment improperly can produce a lethal dose of radiation in a short period of time. Exposure to this radiation can cause serious injury or death.

CAUTION

During container movement for real-time ADA inspection, the position of the container relative to the ADA and LDA detectors must be carefully observed using the cameras to prevent contact.

4.2.5 Detector Calibration and Light Check (Once per day or as needed)

[A] Click on the “Calibrate” button in the SRS 1.1 program on the ADA monitor and follow the prompts on the screen.

[B] Verify that RED warning lights are illuminated in front of Cell 2 and record the status in the NDE Operational Logbook.

4.2.6 **INITIATE** container inspection using on-screen controls or using the teach pendant controls, **AND ENSURE** the container, source, and detector positions are in place to perform a detailed inspection of items in the container in accordance with the applicable procedure.

4.2.7 **WHEN** the inspection is complete,
THEN:

[A] **PRESS** the x-ray “Beam Off” button.

[B] **TURN** the X-Ray Control Panel Key Switch to the BEAM DISABLE position.

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WARNING

De-energizing of the LCNDE system and removal of the key prevents un-authorized operation that could result in lethal doses of VERY HIGH RADIATION to personnel in LAWV Cell 1 and Cell 2.

[C] **REMOVE** the key.

4.2.8 **ENSURE** the container is at a near-normal position (approximately 0 degrees tilt, 0 degrees rotation).

CAUTION

The container table must be positioned properly prior to issuing a command to return it to the loading position. The system will automatically restore tilt and rotation positions causing unexpected motion if the starting position is too far from the normal state.

4.2.9 **RETURN** the container to the desired loading position, by selecting "Go to Load" in the PaR Interface program.
THEN USE the "Disarm Robot" function to disarm the PaR system.

WARNING

The X-Ray Control Panel key must remain in the control of the RTR operator at all times, and must be removed from the key switch before any personnel enter LAWV Cell 1 or Cell 2 to perform the survey.

4.2.10 **IF** no further inspection of the container is required,
THEN PERFORM a radiation survey by RPD of LAWV Cell 2, and notify SRS for container movement.

4.2.11 **IF** the x-ray unit needs to be shut down due to extended break (not for end of the day),
THEN:

[A] **PRESS** the E-Stop button on the operating console to shut down the x-ray system.

[B] **SHUTDOWN** the PaR computer completely.

[C] **TURN** the CIMROC 5/21 Controller Switch to the OFF position on the front panel of the CIMROC cabinet.

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4.2.12 **IF** the x-ray unit has been shut down due to extended break,
THEN:

[A] **ENERGIZE** the Varian Medical System M3 Linatron X-Ray Source.

[B] **ENSURE** the RED "Power Is On" is displayed on the Main Control Screen, and that the system is in the "Warmup" status.

[C] **ENERGIZE** the PaR Robotic System using the CIMROC 5/21 Controller Switch on the front panel of the CIMROC cabinet.

[D] **LOGIN** to PaR.

4.2.13 **IF** x-raying another container and container loading movements are complete,
THEN:

[A] **PERFORM** a final and detailed physical sweep to ensure no one is in LAWV Cell 1 and Cell 2.

[B] **VERIFY** door 818 (Cell 2 NE) and door 819 (Cell 2 SE) are inaccessible from Cell 3.

[C] **ENSURE** access gates/doors are closed and gates 817, 828, 829, 906, 907, and 909 are locked.

[D] **RETURN** to Section 4.1.17, **AND PROCEED**.

4.2.14 **IF** x-raying is complete,
THEN PROCEED to Section 4.3, Normal System Shutdown.

WARNING

VERY HIGH RADIATION doses to personnel can result if the LCNDE system is not completely de-energized before returning the LAWV Cell 1 and Cell 2 to normal operations.

4.3 Normal System Shutdown

4.3.1 Upon completion of daily examination operations, SHUTDOWN the system as follows:

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[A] **ENSURE** that the key is removed from the X-Ray Control Panel Key Switch.

[B] **PRESS** the E-Stop button on the operating console to shut down the x-ray system.

[C] **CLOSE** any open programs on the LDA and ADA computers, **AND DO NOT TURN OFF** the LDA and ADA computers.

[D] **SHUTDOWN** the PaR computer completely.

[E] **TURN** the CIMROC 5/21 Controller Switch to the OFF position on the front panel of the CIMROC cabinet.

[F] **REMOVE** locks from LAWV Cell 1 and Cell 2.

[G] **TURN** knob to the **OFF** position for the NDE Temperature Control Unit in LAWV Cell 2.

4.3.2 RTR Operator forwards completed Attachment 1 to the Facility Records Custodian.

4.4 Facility Records Custodian

4.4.1 Receive, process, and transmit completed Attachment 1, in accordance with CCP-QP-008.

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5.0 RECORDS

5.1 The NDE Operational Logbook generated during the performance of this procedure are identified as quality assurance (QA) records in CCP-PO-005, *CCP Conduct of Operations,* and maintained as QA records in accordance with CCP-QP-008.

5.2 The following record generated by this procedure is a QA record and will be maintained in accordance with the CCP-QP-008.

5.2.1 QA/Nonpermanent

[A] NDE Daily Pre-Operational Checklist

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Attachment 1 – NDE Daily Pre-Operational Checklist

Date Performed _____ Page 1 of 4

NOTE

Table 1 can be completed in any order.

X-ray operation is **NOT** permitted if more than one light tower in LAWV Cell 1 or Cell 2 is **NOT** functioning correctly.

1. RTR Operator: Test each warning light and audible alarm in Table 1 using the key switch and test buttons on the LAWV Cell 2 Interlock Panel. An assistant may be used for completion of the test.

2. Record P (PASS) or F (FAIL) in Table 1 and initial completion.

Table 1
WARNING LIGHTS/HORNS
(P=Pass F=Fail)

Light Tower (LT)	Horn Test (P or F)	Blue Light Test (P or F)	Yellow Light Test (P or F)	Red Light Test (P or F)	Initial
LT-1 918 Cell 2 NE Wall					
LT-2 919 Cell 2 SE Wall					
LT-6 920 Cell 2 N wall					
LT-5 921 Cell 2 NW Wall					
LT-4 922 Cell 2 SW Wall					
LT-3 923 Cell 2 Main Gate					
LT-7 924 Cell 1 NE Wall					
LT-8 925 Cell 1 SE wall					
LT-9 926 Cell 1 Main Gate					

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Attachment 1 – NDE Daily Pre-Operational Checklist (Continued)

Date Performed _____ Page 2 of 4

3. **ENSURE** LAWV Cell 1 access gates 906, 907, and 909 are closed and locked.

4. **ENSURE** RPD verifies the daily operability checks on the radiation monitors installed in LAWV Cell 1 and Cell 2 were performed.

5. **ENSURE** that a physical sweep of LAWV Cell 1 and Cell 2 is performed by the RTR Operator or other individual designated by the operator prior to operation of the x-ray system to ensure no person remains in the exposure area during the irradiation. This sweep is to give the operator control of the cell. A final sweep is performed later in the procedure.

6. **VERIFY** door 818 (LAWV Cell 2 NE) and door 819 (Cell 2 SE) are inaccessible from Cell 3.

7. **ENSURE** all LAWV Cell 2 access gates/doors are CLOSED.

8. **ENSURE** the X-Ray Control Panel Key Switch is in the ENABLE position.

9. **VERIFY** the pre-warn audible alarm sounds and yellow warning lights (minimum of two in each cell) turn on during the 30-second pre-warn period.

10. **VERIFY** when the pre-warn alarm stops that the “Beam On” light is off and the “READY” status is displayed on the Main Control Screen.

11. **OPEN** an access gate from Table 2, **AND VERIFY** the “READY” status displayed on the main control screen changed to “Warmup.”

12. **IF** in LAWV Cell 2,
THEN EXIT LAWV Cell 2.

13. **PRESS** “BEAM ON” pushbutton.

14. **VERIFY** “BEAM ON” pushbutton light remains OFF and “Warmup” is displayed on the Main Control Screen, **AND INITIAL** for the applicable gate in Table 2.

15. **TURN** the X-Ray Control Panel Key Switch to the BEAM DISABLE position.

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Attachment 1 – NDE Daily Pre-Operational Checklist (Continued)

Date Performed _____ Page 3 of 4

16. **REPEAT** steps 7 thru 15 for each gate listed in Table 2 until Table 2 has been completed.

TABLE 2 **GATE CHECK**	
Access Gate	Initial
Gate 817 (walk-in) Cell 2	
Gate 828 (Double Gate) Cell 2	
Gate 829 (Double Gate) Cell 2	

17. **PRESS** one of the E-STOP BUTTONS in LAWV Cell 1 or Cell 2.

    [A] **USE** a random E-STOP BUTTON each day.

    [B] **RECORD** the E-STOP ID # ____

18. **VERIFY** the Varian Medical System M3 Linatron X-Ray Source is de-energized **AND RESET** the E-Stop. Initial: _____ Date: _____

19. **PERFORM** the following:

    [A] **REMOVE** and MAINTAIN the x-ray key from operator console.

    [B] **THEN ENERGIZE** the Varian Medical System M3 Linatron X-Ray Source in accordance with the following:

        [B.1] **PRESS** the Reset Button in the Modulator Trailer.

        [B.2] **IF** the Reset Button does not energize the Varian Medical System M3 Linatron,
        THEN cycle the E-stop on the Varian Medical System M3 Linatron and repeat step 19 [B] of Attachment 1.

    [C] **ENSURE** the red “Power Is On” is displayed on the Main Control Screen, and that the system is in the “Warmup” status.

    [D] **PERFORM** a final and detailed physical sweep to ensure no person is in LAWV Cell 1 or Cell 2.

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Attachment 1 – NDE Daily Pre-Operational Checklist (Continued)

Date Performed _____ Page 4 of 4

NOTE

The RTR operator or designated personnel will maintain the gate keys at all times.

20. **ENSURE** access gates/doors are closed and gates 817, 828, 829, 906, 907, and 909 are locked.

21. Verify the RPD radiation signs are affixed to gates 817, 828, 906, and 909 by RPD**.**

Completed By Operator:

Print Name	*Signature*	*Date*	*Time*

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Attachment 2 – PaR Robotic System Operation

A. PaR Software Restart

1. Shut down PaR Interface program, if open.

2. Shut down the PaR Host software by placing the cursor in the PaR Host window, and pressing CTRL-Backspace.

3. Click the TrajShell link,
THEN click on the “Kill Traj” button, **AND** confirm shut down of the trajectory program.

4. Click on the TrajShell link,
THEN wait until the blinking asterisk appears at the bottom of the trajectory window.

5. Click on the CIMSYS Host link,
THEN log in again using “shop” for the user name and password.

6. Restart the PaR Interface program.

7. **IF** software restart fails to restore normal operation,
THEN restart the system hardware per Section B.

B. PaR Hardware Restart

1. Shut down PaR Interface program, if open.

2. Shut down the PaR Host software by placing the cursor in the PaR Host window, and pressing CTRL-Backspace.

3. Click the TrajShell link,
THEN click on the “Kill Traj” button, **AND** confirm shut down of the trajectory program.

4. Shut down the PaR computer.

5. De-energize CIMROC panel using disconnect switch on front of panel,
THEN wait 15 seconds, **AND** re-energize the CIMROC panel.

6. The PaR TrajShell program and the CMSYS Host software (referred to as “Host”) should launch automatically. When prompted, enter “shop” for the user name and password to log on to CMSYS Host program.

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Attachment 2 – PaR Robotic System Operation (Continued)

7. Verify that the indicated positions for each axis are approximately correct for the actual positions observed in the field.

8. **IF** position display is incorrect (e.g., all zeros),
   THEN restart the PaR software per section A.

9. Verify that the pendant control keyswitch on the CIMROC panel is in the "Disable" position.

10. **IF** an E-Stop condition is present on the PaR display,
    THEN press the blue E-Stop Reset button on the CIMROC panel, **AND** verify that the E-Stop condition cleared. The system is now ready for operation.

C. System Operation Using Teach Pendant

1. Ensure that the PaR system is operating.

2. Turn the Pendant Control keyswitch on the CIMROC panel to the "Enable" position.

3. **IF** the LSS light is illuminated on the Host display,
   THEN close any motion control software which may be in use, **AND** press "Release" on the Host display.

4. Click the "Force" button on the PaR Host software screen, **AND** verify that the green MHS and KEBA lights are illuminated, and that the Pendant button is yellow.

5. Depress the deadman switch on the pendant control, **AND** verify that an E-Stop condition is not present on the Host display window.

6. Press the "Joint/Base/Tool" button on the pendant until "Joint" appears in the pendant window.

NOTE

It will be necessary to hold the deadman switch to perform any operation with the pendant control. Releasing the switch (or pressing it too hard) causes an E-Stop to be initiated.

---

7. Press "ARM" on the pendant.
   IF prompted, press "Teach Point",
   THEN press "ARM" again, **AND** verify that the system arms.

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Attachment 2 – PaR Robotic System Operation (Continued)

8. Operate the system using the push button controls for each axis on the pendant.

9. **WHEN** pendant operations are complete, press “ARM” to disarm the robot, **THEN** release the deadman switch, **AND** return the keyswitch to “Disable”.

10. Clear the E-Stop (if present) using the blue reset button.

11. Click the “Release” button on the Host display, **AND** verify that the MHS light goes out. **IF** prompted, press “Teach Point,”
THEN click the release button again to release MHS control.

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CCP-TP-075

Revision 1

CCP RTR #15
Operating Procedure

EFFECTIVE DATE: 11/27/2012

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	12/09/2010	Initial issue.
1	11/27/2012	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 Reference Documents 5
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Software 6
2.5 Precautions and Limitations 6
2.6 Prerequisite Actions 7

3.0 RESPONSIBILITIES 8
3.1 RTR Operator 8
3.2 RTR Lead Operator (LO) 8
3.3 Radiological Control Technician (RCT) 8
3.4 Vendor Project Manager (VPM) 8

4.0 PROCEDURE 9
4.1 RTR/X-Ray Equipment Set Up 9
4.2 X-Ray Tube Warm Up 11
4.3 RTR/X-Ray Inspection 12
4.4 RTR/X-Ray Equipment Shutdown 13

5.0 RECORDS 14

1.0 PURPOSE

The purpose of this procedure is to provide instructions for the start-up, operations, and shut-down of the mobile real-time radiography (RTR) system Unit #15 located at the Savannah River Site (SRS).

1.1 Scope

This scope of this procedure is limited to start-up, operations, and shut-down RTR #15 located at SRS. Maintenance activities are outside the scope of this procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*
- CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited Items*
- AHA: BG-2637, *Operation of RTR on Pad #4*
- MP1 Type 2 Technical Manual
- Manual 5Q1.1, *Radiation and Contamination Control Procedures*
  - Procedure 524, Ionizing Radiation Generating Device (RGD) Control Program
  - Procedure 525, Inspection and Survey of RGDs

Referenced Documents

- CCP-PO-005, *CCP Conduct of Operations*
- SNT-TC-1A, *ASNT Nondestructive Testing, Personnel Qualification, Testing, and Certification*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with SNT-TC-1A*, ASNT Nondestructive Testing, Personnel Qualification, and Certification* prior to performing this procedure.

2.3 Equipment List

2.3.1 RTR System

2.4 Software

2.4.1 None

2.5 Precautions and Limitations

2.5.1 If during the course of performing this procedure a change occurs that causes deviation from the normal process, **AND** this condition can **NOT** be corrected as directed by this procedure, RTR Operators shall IMMEDIATELY STOP WORK and notify the Vendor Project Manager (VPM) and the RTR Lead Operator (LO) or designee.

2.5.2 Employees may use copies of this procedure printed from the controlled document file; however, employees are responsible for assuring that the correct revision of this procedure is used.

2.5.3 The personal protective equipment (PPE) for normal operations is leather gloves, steel toe shoes, and safety glasses (when handling containers). Additional PPE may be specified by a Host site Radiological Control Technician (RCT) or in a site-specific Radiation Work Permit (RWP). Personnel will don the required or specified PPE before starting RTR operations.

2.5.4 The RTR system generates x-rays (up to 225 kilovolts [kV]). Personnel will avoid radiation exposure by observing all warning devices and personnel barriers. An interlock system will de-energize x-ray generation when the x-ray enclosure door is opened.

2.5.4 RTR Operators will ensure electrical panels and junction boxes are closed, equipment and moving parts are clear of foreign objects, and personnel are clear of the equipment prior to start-up of the RTR system.

2.5.5 Workers who will be working in a radiation area must have read and signed the applicable RWP.

2.5.6 RTR Operators will ensure the x-ray enclosure door is clear of personnel and are closed prior to start-up of the x-ray system. To facilitate this, a Closed-Circuit Television (CCTV) system has been installed.

2.5.7 DO **NOT** attempt to OPEN the x-ray enclosure door when the x-ray system is in operation, it will cause the x-ray system to

de-energize and could damage personnel in the area and/or the x-ray tube.

2.5.8 The RTR Operator will ensure that the x-ray enclosure door is clear of personnel prior to start-up of the x-ray system. This can be accomplished by observing the CCTV system.

2.5.9 DO **NOT** leave the system operating unattended at any time.

2.5.10 The x-ray cabinet is considered a confined space and requires a Confined Space Permit to enter the cabinet.

2.6 Prerequisite Actions

2.6.1 Conduct a safety walk-down of the equipment, **AND** record results in the Nondestructive Examination (NDE) Operational Logbook, in accordance with CCP-PO-005, *Conduct of Operations*.

2.6.2 VPM or designee, verify the RTR LO and RTR Operator(s) qualifications are current.

2.6.3 Obtain the x-ray Exposure Key from the lock box.

3.0 RESPONSIBILITIES

3.1 RTR Operator

3.1.1 Operates the RTR system.

3.1.2 Maintains the NDE Operational Logbook.

3.2 RTR Lead Operator (LO)

3.2.1 Ensures the technical quality in all aspects of the RTR examination process.

3.2.2 Provides supervision for the overall operation of the mobile RTR system and is, at a minimum, a qualified RTR Operator.

3.2.3 Ensures RTR Operators are trained and qualified; or trainees are under the direct supervision of a qualified Subject Matter Expert (SME)/Qualified RTR Operator in accordance with SNT-TC-1a and CCP-PO-005.

3.3 Radiological Control Technician (RCT)

3.3.1 Prepares required RWPs for testing containers, **AND** performs a periodic Radiation Generating Device (RGD) x-ray vault radiation protection and contamination surveys of the RTR system.

3.4 Vendor Project Manager (VPM)

3.4.1 Ensures Central Characterization Program (CCP) personnel comply with environmental safety, security requirements, and CCP safety requirements.

3.4.2 Monitors the List of Qualified Individuals (LOQI) daily to confirm that only qualified personnel perform waste characterization and transportation activities.

4.0 PROCEDURE

4.1 RTR/X-Ray Equipment Set Up

4.1.1 Verify the RTR is labeled with a current RGD Inspection and Survey Due Date label, located on the window of the x-ray enclosure door.

[A] **IF** the RGD Inspection and Survey Date label has expired, **THEN** DO **NOT** proceed with the RTR operations until Radiation Services personnel perform and document a radiation leak check and certify the RTR system is operating within allowable limits.

4.1.2 Turn main power switch on the gray panel door in the control room ON.

4.1.3 Ensure Motion Enabled Switch is ON by ensuring that the green light is illuminated.

4.1.4 Ensure lights switch on control panel is ON.

4.1.5 Ensure recording device and video monitors are ON.

4.1.6 Press the OPEN button to open the x-ray enclosure.

4.1.7 Inspect the following areas of the x-ray system for apparent damage:

- X-ray enclosure
- Electrical cables
- High tension cables
- Cooling system

NOTE

The x-ray Key Switch on the MP1 Controller has three positions:

1. (Symbol ○) power switched OFF to controller.
2. (Symbol ~) main is ON.
3. (Symbol I is a lightning bolt) High Tension (HT) on Enable.

4.1.8 Insert x-ray Exposure Key into x-ray Exposure Key Switch.

4.1.9 Place x-ray Exposure Key to position 3.

4.1.10 Ensure no one is inside x-ray enclosure.

4.1.11 Perform x-ray enclosure interlock check as follows:

[A] Adjust enclosure doors to create as small an opening as possible without engaging interlocks.

[B] Press the x-ray ON button on the control panel.

[C] **IF** the x-ray machine does NOT energize, the interlocks are functional,
THEN document test performance in the NDE Operational Logbook.

[D] **IF** the x-ray machine energizes, the interlocks are not functional,
THEN press the x-ray OFF button on the control panel, **AND** notify supervision.

4.1.12 When x-ray enclosure interlock check has been completed, ensure x-ray Exposure Key Switch is in position 2.

4.2 X-Ray Tube Warm Up

NOTE

For idle periods of less than eight hours, full rated voltage may be applied immediately.

CAUTION

Energizing the x-ray tube without a drum or other suitable shielding in the x-ray beam may cause damage to the image intensifier (II).

4.2.1 Ensure a drum or other suitable items are properly placed to protect image intensifier (II).

4.2.2 Ensure no one is in the x-ray enclosure.

4.2.3 Ensure the “High Radiation Inside - Keep Out” Sign is outward facing Pad 4.

4.2.4 Place x-ray Exposure Key to position 3.

4.2.5 Press DOOR CLOSE buttons to close the x-ray enclosure doors.

4.2.6 Press the x-ray ON button on the control panel.

4.2.7 Verify the safety system light is flashing.

[A] **IF** the safety system light is flashing indicating x-rays are being generated,
THEN document proper operation of flashing light in the NDE Operational Logbook.

[B] **IF** the safety system light is **NOT** flashing,
THEN shutdown the RTR system by depressing the Red x-ray off button and notify the RTR LO and VPM. RTR operations will **NOT** be performed until the safety system light has been repaired or replaced.

4.2.8 Verify the warm-up has been completed and document the completion of the warm-up in the Operational Logbook.

4.2.9 Ensure x-ray is OFF.

4.2.10 Press the green OPEN button to open x-ray enclosure doors.

4.2.11 Ensure drum platform is **NOT** rotating.

4.2.12 Remove drum or item(s) used to protect image intensifier.

4.3 RTR/X-Ray Inspection

4.3.1 Ensure x-ray machine is powered up.
IF down for greater than eight hours,
THEN perform section 4.2.

4.3.2 Ensure drum is properly positioned on the x-ray enclosure turntable.

4.3.3 Ensure no one is in x-ray enclosure.

4.3.4 Transport the drum into the x-ray enclosure.

4.3.5 Ensure x-ray enclosure doors are closed.

4.3.6 Adjust drum as necessary by utilizing the controls on the control console.

4.3.7 Ensure x-ray Exposure Key is in position 3.

4.3.8 Press the x-ray ON button on the control panel.

4.3.9 Verify the safety system light is flashing indicating x-rays are being generated.

NOTE
Lead shutters may be used as necessary. The toggle switch is located on the control console.

4.3.10 Scan the drum by:

[A] Adjusting the high voltage kV and milliamp (mA) knobs until the image on the video monitor has the desired display.

[B] Rotate/scan the container so that a detailed inspection of items in the container is in accordance with the applicable procedure.

4.3.11 **WHEN** the desired x-ray scanning is completed,
THEN terminate x-rays by pushing the red x-ray off button on the MP1 Controller.

4.3.12 Press the green OPEN button to open x-ray enclosure doors.

4.3.13 Ensure drum platform is NOT rotating.

4.3.14 Remove the drum from the x-ray enclosure.

4.3.15 **IF** additional drums will be processed,
THEN repeat steps 4.3.2 through 4.3.15 as required to process remaining drums.

4.4 RTR/X-Ray Equipment Shutdown

4.4.1 Ensure x-rays are OFF.

4.4.2 Ensure x-ray cooling system runs for at least two minutes after last exposure.

4.4.3 Ensure x-ray Exposure Key Switch has been placed in position 1, and remove the x-ray Exposure Key from the MP1 Controller.

4.4.4 Ensure lights switch, motion enabled switch, video monitors, and associated equipment are OFF.

4.4.5 Turn red main power switch located on panel door in Control Room to OFF.

4.4.6 Return the x-ray Exposure Key to the lock box.

5.0 RECORDS

5.1 The NDE Operational Logbook generated during the performance of this procedure are identified as quality assurance (QA) records and are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management.*

QA/Nonpermanent

5.1.1 NDE Operational Logbook

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CCP-TP-082

Revision 9

CCP
Waste Container Filter Vent Operation

EFFECTIVE DATE: 07/12/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	10/02/2003	Initial Issue.
1	03/31/2004	Incorporated CBFO Comment resolutions, and updated Section 2.0-4.0 and Attachment 1.
2	04/02/2004	Incorporated LANL Facility Oversight Review Committee Comment resolutions into Sections 1.0, 2.0, and 4.0.
3	02/27/2005	Incorporated process changes to include the removal of WIPP-approved drum venting system (DVS) Filter Vents and updated equipment list. Revised to incorporate Host site-specific requirements.
4	03/21/2005	Revised to address Carlsbad Field Office (CBFO) Document Review Record (DRR) comments and to address filter replacement criteria.
5	04/13/2005	Revised to address Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
6	10/10/2005	Revised to add provision for multiple container filter change form and to incorporate Host site-specific requirements.
7	08/15/2007	Revised to include DOE/WIPP-06-3345, *Waste Isolation Pilot Plant Flammable Gas Analysis* and to delete CCP procedures that are obsolete, and to change references to drums to include sampling other containers.
8	02/22/2011	Removed elements no longer required or redundant to host site procedures.
9	07/12/2013	Revised to rearrange some steps to improve flow and added a note to allow some steps to be performed in any order and incorporated editorial comments that were needed.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 4
2.3 Equipment List 4
2.4 Precautions and Limitations 5
2.5 Prerequisite Actions 5
2.6 Definitions 5

3.0 RESPONSIBILITIES 6
3.1 Operator 6

4.0 PROCEDURE 7
4.1 Removal and Replacement of Filter Vents 7

5.0 RECORDS 10

LIST OF ATTACHMENTS

Attachment 1 – Container Filter Vent Change Out Form – Example 11

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1.0 PURPOSE

The purpose of this procedure is to describe the protocol for preparing, removing, and replacing filter vents on waste containers in designated filter vent change out areas.

1.1 Scope

This procedure defines the processes for preparing, removing and replacing filter vents on waste containers in designated filter vent areas.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- None

Referenced Documents

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan* prior to performing this procedure.

2.3 Equipment List

2.3.1 Recommended Tools

[A] 15/16-in. Long Arm Hex Key

[B] 15/16-in. Square Drive Socket Hex Key

[C] Square Drive Ratchet

[D] Square Drive Socket

[E] Calibrated Torque Wrench

[F] Filter Socket

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2.3.2 Recommended Materials

[A] Loctite 271

[B] Loctite 680

[C] Cheesecloth

[D] Kimwipes

[E] Waste Isolation Pilot Plant (WIPP) approved container filter vent

[F] Room Temperature Vulcanized (RTV) Sealant **OR** Equivalent

2.4 Precautions and Limitations

2.4.1 Continuous Radiological Control Technician (RCT) coverage will be maintained during the performance of this procedure.

2.4.2 When a filter is removed, it must be replaced immediately in order to maintain the Drum Age Criteria (DAC).

2.4.3 All personnel must don appropriate Personal Protective Equipment in accordance with Host site work requirements.

2.5 Prerequisite Actions

2.5.1 Read all applicable Material Safety Data Sheets prior to performing this procedure.

2.6 Definitions

2.6.1 None.

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3.0 RESPONSIBILITIES

3.1 Operator

3.1.1 Prepares, removes, and replaces filter vents.

3.1.2 Documents filter vent change out.

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4.0 PROCEDURE

4.1 Removal and Replacement of Filter Vents

WARNING

DO **NOT** stand between the container and the High Efficiency Particulate Air (HEPA) inlet when removing a container filter vent.

NOTE

When a filter vent is removed, it must be replaced immediately in order to maintain the DAC.

4.1.1 Remove the applicable Container Traveler from the container, if necessary.

4.1.2 Verify the container(s) are at the host site designated filter change out area.

NOTE

Attachment 1, Container Filter Vent Change Out Form – Example, may be filled out for multiple containers prior to filter change out.

4.1.3 Record data on Attachment 1 – Container Filter Vent Change Out Form – Example, as follows:

[A] Container Number.

[B] New Filter vent Install Date.

[C] New Filter vent Model Number.

[D] New Filter vent Manufacture Date.

[E] New Filter vent Serial Number.

[F] Filter Torque Value

[G] Torque Wrench M&TE/Serial Number and Calibration Due Date, if applicable, **OR** N/A.

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NOTE

At Oak Ridge National Laboratory the Ventilation System Magnehelic Differential Pressure Gauge(s) for Flammable Gas Analysis (FGA) is in the FGA area.

4.1.4 Check that the Ventilation System Magnehelic Differential Pressure Gauge(s) is less than three inches H_2O, if applicable.

4.1.5 Verify the contamination control system is operational according to the host site requirements.

4.1.6 Apply Loctite 271 **OR** Loctite 680 on the first three threads of the WIPP-approved container filter vent.

4.1.7 Remove the old filter vent.

4.1.8 Clean the gasket surface on the waste container as appropriate.

CAUTION

Loctite could damage neoprene gaskets.

4.1.9 Install a WIPP-approved container filter vent with the neoprene gasket provided, if required.

4.1.10 Engage the filter threads.

4.1.11 Torque the filter vent to manufacturer's specifications.

4.1.12 **IF** a stripped thread(s) is encountered,
THEN seal the new filter vent by applying a generous amount of RTV sealant or equivalent around the base of the filter head covering its gasket and at least half the height of the filter head side wall covering the gasket, but not the vent holes.

4.1.13 **AFTER** the RTV sealant **OR** equivalent has set,
THEN make an additional seal between the filter vent and the container surface, completely covering the gasket, but **NOT** the vent holes, with RTV sealant **OR** equivalent, if applicable.

4.1.14 Request the RCT to survey the container for radiological contamination.

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4.1.15 Remove container from the negative air pressure HEPA filtration area, hood, containment room, **OR** sampling filter change-out area, if applicable.

4.1.16 Re-attach the Container Traveler (label) to the container, if necessary.

4.1.17 Repeat steps 4.1.1 through 4.1.16 until all containers are complete.

4.1.18 On Container Filter Vent Change Out Form add comments as needed or NA.

4.1.19 Review Container Filter Vent Change Out Form to ensure the form is completely filled out.

4.1.20 Print name, sign, **AND** date.

4.1.21 Forward Container Filter Vent Change Out Form to another operator for review.

4.1.22 Review Container Filter Vent Change Out Form to ensure the form is completely filled out.

4.1.23 Print name, sign, **AND** date Container Filter Change Out Form.

4.1.24 Submit Attachment 1's to CCP Records in accordance with CCP-QP-008.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Attachment 1 – Container Filter Vent Change Out Form

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Attachment 1 – Container Filter Vent Change Out Form – Example

Container Number	New Filter Vent Install Date	New Filter Vent Model Number	New Filter Vent Manufacturer Date	New Filter Vent Serial Number	Filter Torque Value (ft/lb or in/lb)	Comments

Torque Wrench M&TE/Serial Number:_____
Calibration Due Date: _____

Operator

_____ _____ _____
Print Name Signature Date

Operator

_____ _____ _____
Print Name Signature Date

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CCP-TP-087

Revision 6

CCP
Scale Operations

EFFECTIVE DATE: 05/13/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	07/15/2003	Initial Revision.
1	12/14/2005	Revised to remove Attachment 1 (a nonexistent scale) from the procedure, and made editorial corrections.
2	05/02/2006	Revised to allow initial weighing of drums.
3	06/19/2006	Revised to incorporate an additional scale at another location.
4	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). In addition, includes some editorial and format improvements.
5	03/13/2007	Revised to allow use of any container scale. Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
6	05/13/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes and freeze file.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 4
2.3 Precautions and Limitations 5
2.4 Definitions 5

3.0 RESPONSIBILITIES 6
3.1 Scale Operator 6
3.2 Supervisor 6

4.0 PROCEDURE 7
4.1 Scale Calibration Verification 7
4.2 Container Weight Using Scale 8

5.0 RECORDS 10

LIST OF ATTACHMENTS

Attachment 1 – Scale Verification Data Form 11
Attachment 2 – Container Weight Data Form 12

1.0 PURPOSE

To provide instructions for operating a container scale for the Central Characterization Program (CCP).

NOTE
Drums are payload containers or dunnage.

1.1 Scope

This procedure applies to the calibration verification, operation, and container (payload container or dunnage) weighing, on a container scale.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-003, *CCP Transuranic Authorization Methods for Payload Control*

Referenced Documents

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan* prior to performing this procedure.

2.3 Precautions and Limitations

2.3.1 Leather gloves, toe protection, hard hat, and safety glasses will be worn when manually manipulating containers.

2.4 Definitions

2.4.1 **Verify** - Confirm that an activity or condition has occurred in accordance with specified requirements (by action if necessary).

3.0 RESPONSIBILITIES

3.1 Scale Operator

3.1.1 Documents use of procedure as specified by completing appropriate attachments.

3.2 Supervisor

3.2.1 Reviews and approves completed Attachment 1, Scale Verification Data Form.

3.3 Facility Records Custodian

3.3.1 Receives, processes, and transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

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4.0 PROCEDURE

4.1 Scale Calibration Verification

Scale Operator

NOTE

This section shall be performed each shift prior to container(s) being weighed.

NOTE

Power is supplied to scale system.

4.1.1 Verify that the scale system power cord is plugged into 110 V outlet **AND** scale system is turned ON.

4.1.2 Verify that the calibration has **NOT** expired, **AND** record the Scale Measuring and Testing Equipment (M&TE) Calibration Expiration Date and the Scale M&TE Unique Identification Number on Attachment 1, Scale Verification Data Form.

[A] **IF** the calibration has expired,
THEN STOP and notify the Vendor Project Manager (VPM).

4.1.3 Verify that the ZERO indicator on control panel is illuminated, if applicable.

[A] **IF** the ZERO indicator is extinguished,
THEN perform the following:

[A.1] Press the ZERO Button, **AND** verify that the ZERO indicator on control panel is illuminated.

[A.2] **IF** the ZERO indicator is extinguished,
THEN contact supervisor to schedule scale maintenance.

NOTE

Utilize personnel capable and comfortable with lifting and placing the weights on the scale.

4.1.4 Place 100 - 200 pounds (lbs) of standard weights on the scale, **AND** record the Standard Weight M&TE Unique Identification Number(s) and the Standard Weight Calibration Expiration Date(s) of the standard weights used on Attachment 1.

4.1.5 Record Scale Indication/Readout on Attachment 1.

4.1.6 **IF** Scale Indication/Readout is outside the range of +/-5 lb., **THEN** proceed as follows:

[A] Contact supervisor to schedule scale maintenance/calibration.

[B] Contact Quality Assurance (QA) to assess the need to initiate a Nonconformance Report (NCR) in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

4.1.7 Enter a (✓) in the YES or NO space to document results of calibration verification on Attachment 1.

4.1.8 Remove **AND** store weights in designated storage location.

4.1.9 Print name, sign, and date completed Attachment 1.

[A] Enter time on Attachment 1.

4.2 Container Weight Using Scale

4.2.1 **IF** beginning of use,
THEN verify that Section 4.1 has been completed satisfactorily.

4.2.2 Record Container ID and date on Attachment 2, Container Weight Data Form.

4.2.3 Record the type of container by marking the appropriate box on Attachment 2.

4.2.4 Position the container on the scale.

NOTE
Gross weight is recorded to one decimal place (e.g., 45.2).

4.2.5 Record the container weight in kilogram (kg) in the Gross Weight block of Attachment 2.

4.2.6 Press the LB/KG Button, **AND** verify that the LB indicator is illuminated, if applicable.

NOTE
Gross weight is recorded to one decimal place (e.g., 145.2).

4.2.7 Record the container weight in lbs in the Gross Weight block of Attachment 2.

4.2.8 Print name, sign, and date completed Attachment 2.

[A] Enter time on Attachment 2.

4.2.9 Submit Attachments 1and 2 to Supervisor for review.

Supervisor

4.2.10 Review, print name, sign, and date Attachment 1.

[A] Enter time on Attachment 1.

4.2.11 Review, print name, sign, and date Attachment 2.

[A] Enter time on Attachment 2.

Scale Operator

4.2.12 **WHEN** Attachment 1 and 2 are complete,
THEN submit the Attachments to the Facility Records Custodian.

5.0 RECORDS

5.1 Records generated during the performance of this procedure will be compiled into the BDR, in accordance with CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*.

5.2 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.2.1 QA/Nonpermanent

[A] Attachment 1, Scale Verification Data Form

[B] Attachment 2, Container Weigh Data Form

Attachment 1 – Scale Verification Data Form

Scale M&TE Unique Identification Number:_____ Scale M&TE Calibration Expiration Date: _____						
Standard Weight M&TE Unique Identification Number(s):						
Standard Weight Calibration Expiration Date(s):						
Scale Indication/Readout: _____ lbs. Scale Calibration Satisfactory (+/-5 lbs) (✓):YES____ NO _____						

Completed By Scale Operator:

_____	_____	_____	_____
Signature	Print Name	Date	Time

Supervisor's Review:

_____	_____	_____	_____
Signature	Print Name	Date	Time

Attachment 2 – Container Weight Data Form

Container Weight Data Form
Characterization Data
Container ID:_____ Date: _____ Painted Drum ☐ Galvanized Drum ☐ SWB ☐ SLB2 ☐ ☐ Other: _____ Gross Weight: ☐☐☐.☐kg ☐☐☐.☐lbs

Completed By Scale Operator:

_____	_____	_____	_____
Signature	Print Name	Date	Time

Supervisor's Review:

_____	_____	_____	_____
Signature	Print Name	Date	Time

Obsolete

CCP-TP-093

Revision 17

CCP
Sampling of TRU Waste Containers

EFFECTIVE DATE: 11/20/2012

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	10/02/2003	Initial Issue
1	12/05/2003	Management Assessment Recommendations: Revised steps and sequencing of sub-steps in Sections 4.1-4.6. Added MAC-21 HEPA system to steps 4.4.4[B] and 4.4.5[B]. Updated Attachments 1 and 2.
2	03/19/2004	Incorporated CBFO Comment resolutions and revised Sections 2.0, 4.0 and Attachments 1 and 2 resulting from the LANL MSA, LRA and Dry-runs in December 2003 - February 2004.
3	02/26/2005	Incorporated Certification Audit Recommendations and process improvements for CAR-CCP-LANL-0002-04. Incorporated changes to allow for sampling with various types of filters.
4	03/11/2005	Revised in response to the DOE Line Management Assessment.
5	03/22/2005	Inserted new steps for multiple filters.
6	04/15/2005	Revised Table 4 to update Configuration Group 5 and 6.
7	06/29/2005	Revised in response to Certification Audit Recommendations.
8	12/22/2005	Revised to coincide with QA surveillance and to respond to CAR-INL-0009-05 requirements.
9	07/26/2006	Revised in response to CAR LANL-0006-06 and editorial changes.
10	09/11/2006	Revised step 4.3.1[A.14][b].
11	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR). Addressed Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
12	02/12/2007	Revised to incorporate sampling at risk.
13	03/19/2007	Revised step 4.3.2, to identify temperature as 18° C or higher.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
14	12/29/2010	Revised to eliminate the allowance of the procedure to perform Transportation Headspace sampling. Revised the note under step 4.5.6 per CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*. Made editorial changes. Clarified the Field Reference Standard process. Eliminated the allowance of compositing samples. Updated the Chain-of-Custody form. Changed the batch data report (BDR) numbering format. Incorporated recommendations from Audit A-10-04. Updated references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
15	03/10/2011	Revised to update the procedure so the field blank criteria matches the permit, eliminated the Vendor Project Manager (VPM) from the responsibilities section, and clarified the use of Chain-of-Custody.
16	09/07/2011	Deleted incorrect Uniform Resource Locator (URL) for approved filters and add Standard Large Box 2 (SLB2) information to Packaging Configuration Table and Drum Age Criteria (DAC) table, and other editorial changes.
17	11/20/2012	Revised to respond to CAR-12-040 to enhance the numbering of the Chain of Custody.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Precautions and Limitations 8
2.5 Prerequisite Actions 9
2.6 Definitions 9

3.0 RESPONSIBILITIES 11
3.1 HSG Sampler 11

4.0 PROCEDURE 12
4.1 Process Prior to Sampling 12
4.2 Waste Container Preparation 13
4.3 Container Data 13
4.4 Sampling Preparation 16
4.5 Waste Container Sampling Activity 23
4.6 Pre-Transport/Shipping Activities of Canister Samples to Laboratory 40
4.7 Final Disposition of SUMMA® or equivalent Canister to Laboratory 41

5.0 RECORDS 43

LIST OF TABLES

Table 1. Headspace Gas Drum Age Criteria Sampling Scenario 44
Table 2. Scenario 1 Drum Age Criteria (in days) Matrix 45
Table 3. Scenario 2 Drum Age Criteria (in days) Matrix 46
Table 4. Scenario 3 Packaging Configuration Groups 47
Table 5. Scenario 3 Drum Age Criteria (in days) Matrix for S5000 Waste by Packaging Configuration Group 49

LIST OF FIGURES

Figure 1. Single Canister Sampling Components 52
Figure 2. Duplicate Canister Sampling Components 53

LIST OF ATTACHMENTS

Attachment 1 – Chain of Custody/Canister Tag 55
Attachment 2 – Sample Container Data Form 57

1.0 PURPOSE

The Central Characterization Program (CCP) will perform manual sampling of headspace gas (HSG) in transuranic (TRU) waste containers. HSG sampling operations are required to ensure compliance with CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan.*

This procedure provides CCP-specific requirements and interface instructions for Manual Container Gas Sampling, Needle Assembly, and Sample Shipping/Transport Preparations.

1.1 Scope

This procedure identifies the steps to perform manual HSG sampling of TRU waste containers using a side port needle assembly. This procedure applies to Summary Category Group S5000 waste as indicated in Table 1, Headspace Gas Drum Age Criteria Sampling Scenario, Table 2, Scenario 1 Drum Age Criteria (in days) Matrix, Table 3, Scenario 2 Drum Age Criteria (in days) Matrix, Table 4, Scenario 3 Packaging Configuration Groups, and Table 5, Scenario 3 Drum Age Criteria (in days) Matrix for S5000 Waste by Packaging Configuration Group. This sampling procedure is conducted at a facility specified by the Host site. After sampling, the canisters are sealed and prepared for shipment/transport to an approved laboratory for analysis.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-002, *CCP Transuranic Waste Certification Plan*

Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-022, *CCP Software Quality Assurance Plan*
- CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Equipment List

2.3.1 Materials

[A] 250 milliliter(s) (mL) or greater SUMMA® or equivalent canisters cleaned and certified.

[B] Needle assemblies containing:

- 3 inches (in.) x 1/16 in. Side Port Needle
- Swagelok 1/4 in. x 1/16 in. Reducing Union
- Swagelok 1/4 in. Tube Adapter Gland
- Cajon 1/4 in. Vacuum Coupling Radlab (VCR) Nut

- Cajon VCR Filter Gasket (0.5 micron)
- 1/16 in. Swagelok Union Tee (Duplicate assembly)
- 1/16 in. Teflon Tubing (Duplicate assembly)
- Plastic Protective Cap

[C] Ambient Pressure Meter (Calibrated and listed in the Measuring and Test Equipment [M&TE] database).

[D] Ambient Temperature Thermometer (Calibrated and listed in the M&TE database).

[E] Temperature Recorder (e.g., datalogger, mechanical temperature recorder, Min/Max thermometer), (calibrated and listed in the M&TE database).

[F] Latex or equivalent gloves.

[G] Tamper Indicating Devices (TID).

[H] A gaseous Field Reference Standard (FRS) containing at least six of the target compounds listed in CCP-PO-001.

[I] Ultra High Purity (UHP) Nitrogen.

[J] Tools:

- 5/16 in. Wrench
- 1/2 in. Wrench
- 9/16 in. Wrench
- 1-1/8 in. Wrench
- 5/8 in. Wrench
- 3/4 in. Wrench
- 5/64 in. Allen Wrench
- Vise (recommended)
- Filter Cover Blank
- Latex Cover Material and Rubber O-Ring

[K] Canned or Compressed Gas.

[L] High Efficiency Particulate Air (HEPA) System, if applicable.

[M] Valve Locking Device.

[N] 2 in. Vinyl Tape.

[O] Sample Port Assembly:

[O.1] Septa

[O.2] Septum Seal Cap

[O.3] Flat Metal Plate

[O.4] Clamps

[P] Penetrating Tool.

2.3.2 Software

[A] The software listed below complies with the requirements of CCP-QP-022, *CCP Software Quality Assurance Plan*.

[A.1] Dickson® Data Logger Software.

2.4 Precautions and Limitations

2.4.1 Safety Precautions

[A] All container sampling activities using this procedure shall be performed in accordance with site-specific health, safety, and Approved Method of Work (AMOW) requirements. Applicable documents include CCP procedures, Host site procedures, and safety requirements for access control, radioactive and hazardous waste monitoring, personal protective equipment (PPE), operations, containment, and decontamination.

2.4.2 Hazards

[A] Hazards associated with the sampling process may include chemical and radiation exposure.

2.4.3 SUMMA® or equivalent Canister Gauge Pressure Reading Limitations

[A] SUMMA® or equivalent canisters are equipped with pressure gauges reading pressure or vacuum relative to atmospheric pressure (i.e., initial gauge reading of greater than or equal to 22 in. Mercury [Hg]); full samples are less than or equal to 4 inches Hg.

2.5 Prerequisite Actions

2.5.1 Perform the following prior to any sampling activities:

[A] Check to see if any TRU waste containers readied for sampling have CCP Hold Tags.

[B] **IF** any TRU waste containers have a CCP Hold Tag, **THEN** verify with Vendor Project Manager (VPM), if it is appropriate to collect a sample for HSG from a TRU waste container with a CCP Hold Tag.

2.5.2 Ensure the following documentation has been obtained for each canister before proceeding with the sampling activity:

[A] The designated analytical laboratory's canister tag.

2.5.3 Receive and stage waste containers in accordance with applicable Host site procedures.

2.5.4 Prepare the designated sampling area in accordance with applicable Host site procedures.

2.5.5 Ensure the temperature has been maintained greater than or equal to 18 degree Celsius (°C) for 72 hours in the staging area prior to waste container HSG sampling by reviewing the temperature data loggers output.

2.6 Definitions

2.6.1 **Field Blank (FB)** – Field blanks (FB) shall be samples of room air collected in the immediate vicinity of the waste container sampling area. Field blanks shall be collected prior to sample collection, and at a frequency of one per sampling batch.

2.6.2 **Field Duplicates (FD)** - Two separate, independent samples collected simultaneously from the same source using a duplicate sampling needle assembly (one needle connected to two SUMMA® or equivalent

canisters); stored in separate containers, and analyzed independently; duplicates are used to document the precision of the sampling and analysis process field duplicates (FD) are collected one per sampling batch.

2.6.3 **Field Reference Standard (FRS)** – FRS shall be used to assess the accuracy with which the sampling equipment collects Volatile Organic Compound (VOC) samples into SUMMA® or equivalent canisters prior to first use of the sampling equipment. The FRS contains a minimum of six of the analytes listed in CCP-PO-001, at concentrations within a range of 10 to 100 parts per million by volume and greater than the Method Detection Limit of each compound. For the direct canister method, FRS collection may be discontinued if the FRS results demonstrate the quality assurance objective (QAO) for accuracy specified in CCP-PO-001. FRSs have a known valid relationship to a nationally recognized standard (e.g., National Institute of Science and Technology [NIST]), if available. If NIST-traceable standards are not available and commercial gases are used, a Certificate of Analysis from the manufacturer documenting traceability is required.

2.6.4 **Sampling Batch** - A suite of samples of similar matrix (i.e., gas or solid) collected consecutively using the same sampling equipment within a specified time period. A batch can be up to 20 samples (excluding Quality Control [QC] samples), all of which shall be collected within 14 days of the first sample in the batch.

2.6.5 **Single Sample** - Containers that must be analyzed individually.

2.6.6 **Field Batch Number and Chain-of-Custody (COC) Number** – The Field Batch Number and the COC number for that sampling batch are the same and in the case of the Needle Assembly Cleanliness Batch number, the Needle Assembly Cleanliness Batch number.

3.0 RESPONSIBILITIES

3.1 HSG Sampler

3.1.1 Receives sample canisters, collects, and prepares for shipment/transport of HSG samples.

3.1.2 Verifies compliance, when applicable, by signing, initialing, and dating the acceptance of the sampling canisters and the Chain-of-Custody (COC) documentation.

3.1.3 Prepares the waste containers for HSG sampling.

3.1.4 Performs activities including removing container filter protective caps, installing new filters or the installation of sample ports.

3.1.5 Verifies Carlsbad Field Office (CBFO) approved filter before sampling.

3.1.6 Verifies waste containers have been properly prepared.

3.1.7 Assigns batch numbers to required batches.

4.0 PROCEDURE

NOTE
Sections of this procedure may be performed independently.

Independent Task	Section to Perform
Process Prior to Sampling	Section 4.1 through Section 4.3
Assembling Single Needle Assemblies	Step 4.4.1
Assembling Duplicate Needle Assemblies	Step 4.4.2
Prepare SUMMA® or equivalent Canisters For Collecting Needle Assembly Certification Blanks	Step 4.4.3
Prepare COC and Sample Tags For Needle Assembly Certification Blanks	Step 4.4.4
Collect Needle Assembly Certification Blanks Using Nitrogen Gas	Step 4.4.5
Initiate Waste Container COC/Sample Tags	Step 4.5.1
Prepare SUMMA® or equivalent Canisters With Certified Needle Assemblies For Sample Collection	Step 4.5.2
FB Sample Collection	Step 4.5.3
Waste Container and Waste Container Duplicate HSG Sample Collection	Step 4.5.4
Collection of Waste Container HSG Sample	Step 4.5.5
Collection of FRS	Step 4.5.6
Pre-Transport/Shipping Activities of Canister Samples to Laboratory	Section 4.6
Final disposition of SUMMA® or equivalent Canister to Laboratory	Section 4.7

HSG Container Samplers

4.1 Process Prior to Sampling

4.1.1 Perform the following before sampling:

[A] Verify the presence of a CBFO approved filter.

4.2 Waste Container Preparation

4.2.1 Verify the waste containers have been properly prepared for sampling (i.e., rigid liner vented, if present, no rigid sealed internal containers > 4 liters) by reviewing one of the following documents: real-time radiography (RTR), visual examination (VE) data sheets, or standard waste box (SWB) Assembly Sheet.

[A] **IF** the waste containers have been properly prepared, **THEN** GO TO Section 4.3.

NOTE
Performing sampling at risk can only be authorized by the CCP Program Manager.

[B] **IF** the containers are to be sampled at risk, **THEN** generate a Nonconformance Report (NCR) per CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*:

[C] **IF** the waste containers have **NOT** been properly prepared, **THEN** apply a CCP Hold Tag, contact the VPM, **AND** disposition in accordance with the applicable Container Management procedure.

4.3 Container Data

NOTE
Drum Age Criteria (DAC) data may be obtained from the approved acceptable knowledge (AK) documentation (e.g., AK Tracking Spreadsheet), Container Travelers, RTR **AND/OR** VE Data Sheets. Attachment 2, Sample Container Data Form, can be filled out prior to sampling.

NOTE
Waste container Field Batch and COC Number is defined as SSHSGYYXX, where SS is defined as Host site (e.g., IN), HSG is headspace gas, YY is the year, XX is a sequential number. The sequential number, XX, is reset to 01 at the beginning of each year.

4.3.1 For all the containers to be sampled, verify the DAC prior to Sampling by using Tables 1-5, as appropriate **AND** perform the following:

[A] Record the container information listed below on Attachment 2:

[A.1] Field Batch Number (on Page 1 and Page 2).

[A.2] Container ID (on Page 1 and 2).

[A.3] Sampling Scenario.

[A.4] Summary Category Group.

[A.5] Rigid Liner (Y/N).

[A.6] Rigid Liner Lid (Y/N).

[A.7] Rigid Liner Lid Hole Diameter (in.).

NOTE

The "bounding case" configuration used in Table 4 is the "conservative default" referred to in footnote "a" of Table 4.

[A.8] Number of Inner Bags (Scenario 3 only) or NA, for Scenario 1 or 2.

[A.9] Number of Liner Bags (Scenario 3 only) or NA, for Scenario 1 or 2.

NOTE

The documented filter hydrogen (H_2) diffusivity must be greater than or equal to the listed value to use the DAC for the listed filter H_2 diffusivity (e.g., a container with a filter H_2 diffusivity of 4.2×10^{-6} must use a DAC for a filter with a 3.7×10^{-6} filter H_2 diffusivity). If a filter H_2 diffusivity for a container is undocumented or unknown or is less than 1.9×10^{-6} filter H_2 diffusivity, a filter of known H_2 diffusivity that is greater than or equal to 1.9×10^{-6} filter H_2 diffusivity must be installed prior to initiation of the relevant DAC period.

[A.10] Filter Model No.

[A.11] Number of Filters.

[A.12] **IF** the CBFO approved filter has a Restrictive Hydrogen Diffusivity listed in the appropriate Table of this procedure,
THEN enter the CBFO approved filters diffusivity from the Table, **ELSE** enter the more conservative diffusivity used to determine the Permit Required Equilibrium days.

[A.13] Package Configuration Group No. from Table 3 (Scenario 3 only) (NA for Scenario 1 or 2).

[A.14] Closure Date.

[A.15] Vent Date (for Scenario 2 and 3) (NA for Scenario1).

[A.16] Permit Required Equilibrium Time (Days):

(a) For Scenario 1 - Record the Summary Category Group (SCG) DAC from Table 2.

(b) For Scenario 2 - In addition to meeting the Scenario 1 SCG DAC from Table 2, record the number of days listed in Table 3 for the SCG, hole diameter and diffusivity rate.

(c) For Scenario 3 - Record the number of days for the SCG listed in Table 5 for the Packaging Configuration Group, hole diameter, and filter diffusivity.

[A.17] Container Age (Days) (the difference in the number of days between the closure/vent date and the present date [e.g., date sampling for headspace]).

[A.18] Container Fill Factor (%), if applicable.

4.3.2 Ensure the waste containers have equilibrated for a minimum of 72 hours at 18° C (64.4 degree fahrenheit [°F]) or higher, prior to sampling by reviewing the temperature recorder information, **AND** record on Attachment 2 the 72-Hour Container Equilibrium Start and scheduled End Dates/Times.

4.3.3 Record the temperature recorder M&TE ID Number and temperature recorder calibration due date on Attachment 2.

4.3.4 Can this container be sampled? (Y or N)

4.3.5 Print name, sign, and date Attachment 2 after all information has been recorded.

4.3.6 Inspect all tools and parts to be used to ensure they are available and operable.

4.4 Sampling Preparation

NOTE

Needle Assembly batches will consist of single needle assemblies and/or duplicate assemblies.

Needle assemblies will be kept in a controlled HSG area.

4.4.1 Single Unit Needle Assembly

NOTE

For illustration of Single Unit Needle Assembly, see Figure 1, Single Canister Sampling Components.

Single Unit Needle Assemblies consist of five components. Needle assemblies are less than 2 mL internal volume.

[A] Inspect all components for damage, **AND** if necessary, blowdown each item with compressed gas (e.g., canned air, compressed UHP Nitrogen).

[B] Place a 1/4 in. VCR female nut onto a 1/4 in. Swagelok tube adapter to VCR gland.

[C] Install the 1/4 in. Swagelok nut, ferrule backing ring, **AND** ferrule onto the 1/4 in. tube adapter.

[D] Insert the 1/4 in. Swagelok tube adapter into the 1/4 in. fitting on the 1/4 in. x 1/16 in. Swagelok reducing union.

[E] Ensure the 1/4 in. tube rests firmly on the shoulder of the fitting.

[F] Gently tighten the nut, finger tight.

[G] Hold the fitting body with a backup wrench, **AND** tighten the nut 3/4 to 1-1/2 turns.

[H] Insert the open end of the needle into the 1/16 in. fitting on the 1/4 in. x 1/16 in. Swagelok reducing union.

[I] Ensure the needle rests firmly on the shoulder of the fitting.

[J] Gently tighten the nut, finger tight.

[K] Hold the fitting body with a backup wrench, **AND** tighten the nut 3/4 to 1-1/2 turns.

[L] Snap the 1/4 in. VCR filter onto the VCR gland.

[M] Install the plastic protective cap into the 1/4 in. VCR nut, if applicable.

[N] Repeat steps 4.4.1[A] through 4.4.1[M] for all needle assemblies required.

4.4.2 Duplicate Unit Needle Assembly

NOTE

For illustration of Duplicate Unit Needle Assembly, see Figure 2, Duplicate Canister Sampling Components.

Duplicate Unit Needle Assemblies consist of seven components. Needle assemblies are less than 2 mL internal volume.

[A] Inspect all components for damage, **AND** if necessary, blowdown each item with compressed gas (e.g., canned air, compressed UHP Nitrogen).

[B] Prepare two single unit needle assemblies without needles per steps 4.4.1[A] through 4.4.1[F].

[C] Snap a 1/4 in. VCR filter onto each of the two VCR glands.

[D] Install the plastic protective caps into the 1/4 in. VCR nuts, if applicable.

[E] Install Teflon tubing sections into the two single unit needle assemblies in place of the needles.

[F] Gently tighten the nuts, finger tight.

[G] Hold each fitting body with a backup wrench, **AND** tighten the nuts 3/4 to 1-1/2 turns.

[H] Install a needle in the 1/16 in. Swagelok tee.

[I] Ensure the needle rests firmly on the shoulder of the fitting.

[J] Gently tighten the nut, finger tight.

[K] Hold the fitting body with a backup wrench, **AND** tighten the nut 3/4 to 1-1/2 turns.

[L] Install the two Teflon tubes from the two needle assemblies into the 1/16 in. tee.

[M] Ensure the Teflon tubes rest firmly on the shoulder of the fitting.

[N] Gently tighten the nuts, finger tight.

[O] Hold the fitting body with a backup wrench, **AND** tighten the nut 3/4 to 1-1/2 turns.

[P] Repeat steps 4.4.2[A] through 4.4.2[O] for all Duplicate Needle Assemblies required.

4.4.3 SUMMA® or equivalent Canister/Needle Assembly Preparation for Cleanliness Certification

NOTE

Needle Assembly Cleanliness Batches and COC are defined similar to waste container field batches. The format is SSHSGYYXXNB, where SS is defined as the Host site (e.g., IN), HSG is headspace gas, YY is the year, XX is a sequential number and NB is needle blank. The sequential number, XX, is reset to 01 at the beginning of each year.

NOTE

When a Needle Assembly batch is complete, a Needle Assembly Cleanliness Batch sample is collected. A minimum of three percent from the Needle Assembly Batch (single and/or duplicate assemblies) are chosen at random and a nitrogen purge test is performed.

[A] **IF** the canister has not been evacuated to greater than **OR** equal to 22 inches Hg,
THEN reject canister and return to analytical laboratory.

[B] Attach needle assemblies to the required canisters as follows:

[B.1] Verify the presence of a Cajon VCR filter gasket.

[B.2] **IF** the needle assembly DOES **NOT** have a Cajon VCR filter gasket,
THEN obtain another new needle assembly.

[B.3] Purge the needle assembly with compressed gas (e.g., canned gas, Nitrogen Gas).

[B.4] Attach the needle assembly to the canister, **AND** finger tighten and then an additional ¼ turn with a wrench.

4.4.4 Prepare COC and Sample Tags for Needle Assembly Certification Blanks

NOTE
Point of Origin is to be specific as to the location where sample was taken (e.g., Bldg. No., Room).

NOTE
Only one COC shall be used per sampling batch.

[A] Record the following information on Attachment 1, Chain of Custody/Canister Tag.

[A.1] COC number on Page 1 and 2.

[A.2] Location (i.e., NA for Location).

[A.3] Point of Origin (i.e., Bldg. No., Room).

[A.4] Ambient Conditions:

(a) Temperature reported to 0.1°C.

(b) Pressure reported to the nearest whole number inches Hg or pound per square inch gauge (psig).

[A.5] Record the following in the Instrument section Attachment 1 (Page 2 of 2):

(a) Pressure Meter M&TE Identification (ID) Number, **AND** Calibration Due Date, Initial, and Date.

(b) Thermometer M&TE ID Number, **AND** Calibration Due Date, Initial, and Date.

4.4.5 Needle Assembly Cleanliness Certification Blank Collection Using Nitrogen Gas

[A] Perform Leak Check of the needle assembly while connected to the canister by placing a septum over the side port of the needle **AND** opening the canister valve five seconds **AND** ensuring that the needle assembly is free of leaks.

[A.1] **IF** the canister pressure gauge reading changes by more than 2 in. Hg,
THEN DO **NOT** use the needle assembly.

[B] Connect the cleanliness sample purge assembly to the nitrogen gas regulator **OR** nitrogen gas cylinder.

[C] OPEN the valve, **AND** set the cylinder's output regulator pressure from 0 to 1 psig.

[D] Bleed the purge assembly to ensure no room air remains in the purge assembly.

[E] Insert the canister needle into the cleanliness sample purge assembly.

[F] Record NA in the VENT SEAL block on Attachment 1.

[G] Record the canister gauge BEGINNING PRESSURE and START TIME on Attachment 1, **AND** OPEN the valve on the SUMMA® or equivalent canister.

[H] Adjust the regulator to obtain 13 to 15 psig in the SUMMA® or equivalent canister.

[I] CLOSE the valve on the SUMMA® or equivalent canister, **AND** record the canister END PRESSURE and END TIME on Attachment 1.

[J] **IF** the canister gauge DOES **NOT** read 13 to 15 psig,
THEN obtain a new SUMMA® or equivalent canister and new needle assembly from the newly assembled batch, **AND** resample by repeating steps 4.4.5[A] through 4.4.5[I].

[K] Return canister which did not read 13 to 15 psig to the analytical laboratory.

[L] Remove the canister needle from the purge assembly.

[M] Remove the needle assembly from the canister.

[N] Attach a valve locking device and a TID to the canister.

[N.1] Record the TID NUMBER on Attachment 1.

[N.2] **IF** the TID is **NOT** numbered,
THEN initial and date TID with a permanent marker, **AND** record NA on Attachment 1.

[O] Record or ensure all data listed below, for the Needle Assembly Cleanliness Sample, is recorded on Attachment 1:

[O.1] Site (zz) (Host site abbreviation).

[O.2] Date (date of the sample - mmddyy, where mm is the month in two digits, dd is the date in two digits and yy is the last two digits of the year). DO **NOT** use slash marks when recording the date on Attachment 1.

[O.3] SUMMA® or equivalent Canister No. (from the metal tag on the canister) Example: EI234.

[O.4] Canister Size (e.g., 250 mL).

[O.5] Container ID/Barcode No. (e.g., Nitrogen Gas Cylinder No. for cleanliness samples).

[O.6] Waste Stream ID (record NA for cleanliness samples).

[O.7] Cleaning Batch No. (from the laboratory canister tag).

[O.8] Needle Assembly Batch No.

[O.9] Record C - Needle Assembly Cleanliness Certification.

[O.10] Sampler's Initials.

[P] Record the relevant data to the laboratory canister tag, including any additional information required by the analytical laboratory.

[P.1] Record Needle Assembly in the Sample Description on the laboratory canister tag.

[P.2] **IF** it is necessary to remove the laboratory canister tag to record data,
THEN remove the tag from the canister, record the data,
AND immediately re-attach the tag to the canister.

[Q] Repeat steps 4.4.5[A] through 4.4.5[O.7] until a minimum of three percent of the needle assemblies have been sampled.

[R] Sign the CUSTODY INITIATED BY block on Page 2 of Attachment 1, record DATE and TIME.

[S] CLOSE valve on Nitrogen Gas Cylinder.

[T] Bleed out all the pressurized nitrogen from the lines and fittings.

NOTE
If more than one qualified sampler is part of the sampling evolution, only one qualified sampler is required to sign on the SAMPLER'S SIGNATURE line on Attachment 1.

[U] On Attachment 1 sign on the SAMPLER'S SIGNATURE line.

4.5 Waste Container Sampling Activity

NOTE
Section 4.5 provides the directions for collecting all QC and waste container samples associated with a BDR. All sampling activities conducted for any sampling event, including FB collection, FD collection, waste container sample collection, and FRS (if required); will be contained in the same BDR. If a sampling event is conducted only for the purpose of analyzing a FRS, FB, and FD will be collected and submitted with the associated BDR.

NOTE
Point of origin is to be specific as to the location where sample was taken (e.g., Bldg. No., Room). Location is to be specific as to the location within the waste container where sample is taken (e.g., under lid).

NOTE
Data on Attachment 1 for steps 4.5.1[A.1] through 4.5.1[A.6] may be recorded prior to or during sampling activities.

CAUTION
To prevent damage to the needle and needle assembly, the sample canister must be supported while performing sampling activities.

4.5.1 Preparing Waste Container COC/Sample Tags

NOTE
Only one COC shall be used per sampling batch.

[A] Record the following information on Attachment 1:

[A.1] COC number on Page 1 and 2.

[A.2] Location (i.e., under lid).

[A.3] Point of Origin (i.e., Bldg. No., Room).

[A.4] **IF** the pressure meter or the thermometer is out of calibration,
THEN do not use and obtain a pressure meter or thermometer that is within the Calibration Due Date.

[A.5] Ambient Conditions:

(a) Temperature reported to 0.1°C.

(b) Pressure reported to nearest whole number inches Hg or psig.

[A.6] Record the following in the Instrument Section of Attachment 1 (Page 2 of 2):

(a) Pressure Meter M&TE ID Number, Calibration Due Date.

(b) Thermometer M&TE ID Number, Calibration Due Date.

(c) Initial and date.

4.5.2 Preparing SUMMA® or equivalent canister with Certified Needle Assemblies for Sample Collection

[A] **IF** the canister has not been evacuated to greater than **OR** equal to 22 inches Hg,
THEN reject canister and return to the analytical laboratory.

[B] Attach needle assemblies to the canisters as follows:

[B.1] Verify the presence of a Cajon VCR filter gasket.

(a) **IF** the needle assembly DOES **NOT** have a Cajon VCR filter gasket,
THEN obtain a new needle assembly.

[B.2] Attach the needle assembly to the canister **AND** finger tighten and then an additional ¼ turn with a wrench.

Obsolete

4.5.3 Field Blank Sample Collection

NOTE
Vent Seal, canister gauge Beginning Pressure, and TID number information may be recorded prior to or during sampling activities on Attachment 1.

NOTE
HSG samples should take approximately two to five minutes to reach equilibrium. Collect the field blank sample in the vicinity of the waste container sampling area.

[A] All personnel, don PPE in accordance with the appropriate Host site work control document.

[B] Ensure the HEPA System has been turned on, if applicable.

[C] Record NA in the Vent Seal block on Attachment 1, if applicable.

[D] Record the canister gauge Beginning Pressure and Start Time on Attachment 1, **AND** OPEN the valve on the SUMMA® or equivalent canister for a maximum of five minutes to allow the canister pressure to reach equilibrium (less than or equal to 4 in. Hg).

[E] Close the valve on the SUMMA® or equivalent canister, **AND** record the canister End Pressure and End Time on Attachment 1.

[F] **IF** the gauge DOES **NOT** reach less than or equal to 4 in. Hg, **THEN** obtain new SUMMA® or equivalent canister and certified needle assembly, **AND** repeat steps 4.5.3[B] through 4.5.3[E].

[F.1] **IF** the second attempt FAILS,
THEN troubleshoot and fix.

[G] Remove the needle assembly from the canister, **AND** hand it to the Radiological Control Technician (RCT) or Radiological Technician (RT) for survey and follow RCT or RT guidance for contamination control requirements.

[H] **AFTER** the survey is complete,
THEN dispose of needle assembly per Host site requirements.

[I] Attach a valve locking device and a TID to the canister.

[J] Record the TID number on Attachment 1, if applicable.

[K] **IF** the TID is **NOT** numbered,
THEN initial and date the TID with a permanent marker, **AND** record NA on Attachment 1.

NOTE

Custody will be initiated after the Field Blank sample has been collected. The Date/Time on Page 2 of Attachment 1 for Custody Initiated By block will be the same as the Date and End Time for the Field Blank sample.

[L] Initiate COC by recording the date and time in the DATE/TIME block next to the CUSTODY INITIATED BY: block of Attachment 1.

NOTE

Data on Attachment 1 for steps 4.5.3[M.1] through 4.5.3[M.9] may be recorded prior to or during activities.

[M] Enter the data listed below for the Field Blank, on Attachment 1:

[M.1] Site (zz) (Host site abbreviation).

[M.2] Date (date of the sample - mmddyy, where mm is the month in two digits, dd is the date in two digits and yy is the last two digits of the year). DO **NOT** use slash marks when recording the date on Attachment 1.

[M.3] SUMMA® or equivalent Canister No. (from the metal tag on the canister) Example: EI234.

[M.4] Canister Size (e.g., 250 mL).

[M.5] Container ID/Barcode No. (NA for Field Blank).

[M.6] Waste Stream ID (NA for Field Blank).

[M.7] Cleaning Batch No. (from the laboratory canister tag).

[M.8] Needle Assembly Batch No.

[M.9] Record B - Field Blank.

Obsolete

NOTE
Signature of samplers can be found at the bottom of Attachment 1.

[M.10] Sampler's Initials.

NOTE
Relevant data for the laboratory canister tags can be recorded prior to or during sampling activities.

[N] Copy the relevant data to the laboratory canister tag, including any additional information required by the analytical laboratory.

[N.1] Record Field Blank in the Sample Description on the laboratory canister tag, if applicable.

[N.2] **IF** it is necessary to remove the laboratory canister tag to record the data,
THEN remove the tag from the canister, record the data,
AND immediately re-attach the tag to the canister.

4.5.4 Waste Container and Waste Container Duplicate HSG Sample Collection

NOTE
Vent Seal, canister gauge Beginning Pressure, and TID number information may be recorded prior to or during sampling activities on Attachment 1.

NOTE
HEPA Filtration System will be used as determined by the Host site for TRU waste container sampling. Contamination and radiation surveys may be performed at any step in this section as deemed necessary by the RCT or RT.

[A] **IF** the container filters have a sample septum (e.g., NFT019DS, NFT7DS),
THEN GO TO step 4.5.4[E].

[B] Ensure that all filters on the container that are **NOT** used for sampling are blocked by placing an appropriate cover over the filter medium.

[C] Ensure HEPA System is running, if applicable.

NOTE
HSG Sampler DOES **NOT** need to prime septa if sampling through filter media sample port assembly.

[D] **IF** filter **OR** waste container DOES **NOT** have a septum sample port,
THEN GO TO step 4.5.4[W], **ELSE** GO TO step 4.5.4[E].

[E] Insert filter cover blank between the protective cap and filter media for filters that have protective caps, **OR** cover filters without protective caps with latex cover material secured with a rubber o-ring, **AND** cover/block all other unused filters.

[F] If necessary, prime the sample port as follows:

[F.1] Remove the sample port seal screw from the container sample port, **AND** insert the penetrating tool through the sample port septum, if applicable.

[F.2] Withdraw the penetrating tool from the sample port septum.

[F.3] Hand the penetrating tool to the RCT or RT for survey, **AND** follow RCT or RT guidance for contamination control requirements,
THEN re-use or dispose of per Host site requirements.

[G] Insert the common needle of the duplicate sampling needle assembly through the septum of the sampling port **OR** the filter medium sample port assembly, if applicable.

[H] Record Y in the Vent Seal block on Attachment 1, **AND** seal all vents, if applicable.

[I] Record the canister gauge Beginning Pressure and Start Time of the Duplicate canisters on Attachment 1, **AND** simultaneously OPEN the valves for the two SUMMA® or equivalent canisters for a maximum of five minutes to allow the canister pressure of both canisters to reach equilibrium (less than or equal to 4- inches Hg).

[J] CLOSE the SUMMA® or equivalent canister valves, **AND** record the canister End Pressures and End Times on Attachment 1.

[K] **IF** the gauge DOES **NOT** reach less than or equal to 4-inches Hg,
THEN obtain new SUMMA® or equivalent canister and certified duplicate needle assembly, **AND** re-sample once by repeating steps 4.5.4[B] through 4.5.4[J].

[K.1] **IF** the second attempt FAILS,
THEN troubleshoot and fix.

[K.2] Return canister(s) that did not meet the pressure requirement to analytical laboratory.

[L] Withdraw the needle assembly from the container's sample port.

[M] Remove the needle assembly from the canister, **AND** hand it to the RCT or RT for survey and follow RCT or RT guidance for contamination control requirements.

[N] **AFTER** the survey is complete,
THEN dispose of the needle assembly per Host site requirements.

[O] Attach a valve locking device and a TID to the canister.

[O.1] Record the TID number on Attachment 1, if applicable.

[O.2] **IF** the TID is **NOT** numbered,
THEN initial and date TID with a permanent marker, **AND** record NA on Attachment 1.

[P] Check the pressure/vacuum gauge for an indication of an unexpected pressure change indicating a canister leak.

[Q] **IF** a canister leak is indicated,
THEN record the canister number and document that the canister leaked in the comments section of Attachment 1 and re-sample the waste container using a new canister.

[R] Re-install the sample port seal screw if applicable, **AND** remove all covers and/or blocks.

NOTE
Data on Attachment 1 for steps 4.5.4[S.1] through 4.5.4[S.9] may be recorded prior to or during sampling activities.

[S] Enter the data listed below for each Duplicate Sample canister on Attachment 1:

[S.1] Site (zz) (Host site abbreviation).

[S.2] Date (date of the sample - mmddyy, where mm is month in two digits, dd is date in two digits and yy is the last two digits of the year). DO **NOT** use slash marks when recording the date on Attachment 1.

[S.3] SUMMA® or equivalent Canister No. (from the metal tag on the canister) Example: EI234.

[S.4] Canister Size (e.g., 250 mL).

[S.5] Container ID No./Barcode No.

[S.6] Waste Stream ID.

[S.7] Cleaning Batch No. (from the laboratory canister tag).

[S.8] Needle Assembly Batch No., if applicable.

[S.9] Record D - Duplicate.

[S.10] Sampler's Initials.

NOTE
Relevant data for the laboratory canister tags can be recorded prior to or during sampling activities.

[T] Record the relevant data to the laboratory canister tag, including any additional information required by the analytical laboratory.

[T.1] Record DUPLICATE in the SAMPLE DESCRIPTION on the laboratory canister tag, if applicable.

[T.2] **IF** it is necessary to remove the laboratory canister tag to record data,
THEN remove the tag from the canister, record the data,
AND immediately re-attach the tag to the canister.

[U] Initial and date Container Traveler, **AND** submit to VPM after sampling activities are complete, if applicable.

[V] GO TO step 4.5.5, Collection of Waste Container HSG Sample.

NOTE
The use of various spacers may be required to ensure a good seal of the septum on the carbon filter.

[W] **IF** the filter protective cap was removed (e.g., NFT-013, etc.),
THEN sample as follows,
ELSE GO TO step 4.5.4[X]:

[W.1] Remove the strip of vinyl tape, if required.

[W.2] Place septum and/or latex material, **AND** secure appropriately over filter, if applicable.

[W.3] Place septum cap over septum, if applicable.

[W.4] Place steel flat plate over septum and cap, **AND** secure plate with clamps if applicable.

[W.5] Gently insert sample needle of the duplicate sampling needle assembly through filter media sampling port assembly to ensure a leak tight connection between the sampling needle assembly and the container headspace directly beneath the waste container lid.

[W.6] GO TO step 4.5.4[H].

[X] **IF** the container contains a penetrable filter
(e.g., NFT-020, NFT-049S, etc.),
THEN sample as follows:

[X.1] Gently insert sample needle of the duplicate sampling needle assembly through filter media sampling port assembly to ensure a leak tight connection between the sampling needle assembly and the container headspace directly beneath the waste container lid.

[X.2] GO TO step 4.5.4[H].

4.5.5 Collection of Waste Container HSG Sample

NOTE
HEPA Filtration System will be used as determined by the Host site for TRU waste container sampling activities. Contamination and radiation surveys may be performed at any step in this section as deemed necessary by the RCT or RT.

NOTE
Signature on Attachment 1 will be obtained upon completion of the sampling activities.

[A] Ensure that all filters on the container that are **NOT** used for sampling are blocked by placing an appropriate cover over the filter media, if applicable.

NOTE
Operator/Sampler DOES **NOT** need to prime septa if sampling through filter media sample port assembly.

NOTE
Steps 4.5.5[B] through 4.5.5[Y] will be performed in sequence, as required, for each container to be sampled in the sampling batch. Container samples may be started for each container in the batch prior to completing the procedure sequence for the previous container.

[B] **IF** filter DOES **NOT** have a septum sample port,
THEN GO TO step 4.5.5[V],
ELSE GO TO step 4.5.5[C].

[C] Insert filter cover blank between the protective cap and filter media for filters that have protective caps **OR** cover filters without protective caps with latex cover material secured with a rubber o-ring, **AND** cover/block all other unused filters.

[D] If necessary prime the sample port as follows:

[D.1] Remove the sample port seal screw from the container sample port, **AND** insert the penetrating tool through the sample port septum, if applicable.

[D.2] Withdraw the penetrating tool from the sample port septum.

[D.3] Hand the penetrating tool to the RCT or RT for survey, **AND** follow RCT or RT guidance for contamination control requirements,
THEN re-use or dispose of per Host site requirements.

[E] Insert the canister needle through the septum of the sampling port **OR** the filter medium sampling port assembly, if applicable.

NOTE
Vent Seal, canister gauge Beginning Pressure, and TID number information may be recorded prior to or during sampling activities on Attachment 1.

[F] Record Y in the VENT SEAL block on Attachment 1, **AND** seal all vents, if applicable.

[G] Record the canister gauge BEGINNING PRESSURE and START TIME on Attachment 1, **AND** OPEN the valve on the SUMMA® or equivalent canister for a maximum of five minutes to allow the canister pressure to reach equilibrium (less than or equal to 4-inches Hg).

[H] CLOSE the valve on the SUMMA® or equivalent canister, **AND** record the canister END PRESSURE and END TIME on Attachment 1.

[I] **IF** the canister gauge DOES **NOT** indicate collection of sample, **THEN** perform the following:

[I.1] CLOSE the canister valve.

[I.2] Remove sampling mechanism from septa.

[I.3] **IF** needle is clogged,
THEN replace needle, discard clogged needle as waste according to Host site requirement, **AND** repeat steps 4.5.5[E] through 4.5.5[H].

[J] **IF** the gauge DOES **NOT** reach less than or equal to 4-inches Hg,
THEN obtain new SUMMA® or equivalent canister and certified needle assembly, **AND** re-sample once by repeating steps 4.5.5[A] through 4.5.5[H].

[J.1] **IF** the second attempt FAILS,
THEN troubleshoot and fix.

Obsolete

[J.2] Return canister(s) that do not meet the pressure requirements to the analytical laboratory.

[K] Withdraw the needle assembly from the containers sample port.

[L] Remove the needle assembly from the canister, **AND** hand it to the RCT or RT for survey and follow RCT or RT guidance for contamination control requirements.

[M] **AFTER** the survey is complete,
THEN dispose of the needle assembly per Host site requirements.

[N] Attach a valve locking device and a TID to the canister.

[N.1] Record the TID NUMBER on Attachment 1, if applicable.

[N.2] **IF** the TID is **NOT** numbered,
THEN initial and date TID with a permanent marker, **AND** record NA on Attachment 1.

[O] Check the pressure/vacuum gauge for an indication of an unexpected pressure change indicating a canister leak.

[P] **IF** a canister leak is indicated,
THEN record the canister number and document that the canister leaked in the comments section of Attachment 1 and re-sample the waste container using a new canister.

[Q] Re-install the sample port seal screw if applicable, **AND** remove all covers and/or blocks.

NOTE

RCT or RT will conduct a contamination survey on the steel flat plate, septum cap (if applicable), and septum during the disassembly.

[R] **IF** the filter protective cap was removed,
THEN complete the following,
ELSE GO TO step 4.5.5[S].

[R.1] Disassemble/remove the steel flat plate, if applicable.

[R.2] Remove the septum cap, septum and/or latex material and securing device, if applicable.

[R.3] Discard the septum and/or latex material in accordance with Host site requirements.

[R.4] Place a strip of vinyl tape over the damaged filter media.

NOTE
Data on Attachment 1 for steps 4.5.5[S.1] through 4.5.5[S.9] may be recorded prior to or during sampling activities.

[S] Enter the following data for each container sample on Attachment 1:

[S.1] Site (zz) (Host site abbreviation).

[S.2] Date (date of the sample - mmddyy, where mm is month in two digits, dd is date in two digits and yy is the last two digits of the year). DO **NOT** use slash marks when recording the date on Attachment 1.

[S.3] SUMMA® or equivalent Canister No. (from the metal tag on the canister) Example: EI234.

[S.4] Canister Size (e.g., 250 mL).

[S.5] Container ID No./Barcode No.

[S.6] Waste Stream ID.

[S.7] Cleaning Batch No. (from the laboratory canister tag).

[S.8] Needle Assembly Batch No.

[S.9] Record SS - Single Sample.

[S.10] Sampler's Initials.

[T] Initial and date Container Traveler, **AND** submit to the VPM after sampling activities are complete, as applicable.

[U] GO TO step 4.5.5[X].

NOTE
The use of various spacers may be required to ensure a good seal of the septum on the carbon filter.

[V] **IF** filter protective cap was removed, (e.g., NFT-013, etc.),
THEN sample as follows,
ELSE GO TO step 4.5.4[W]:

[V.1] Remove the strip of vinyl tape, if required.

[V.2] Place septum and/or latex material, **AND** secure appropriately over filter.

[V.3] Place septum cap over septum, if applicable.

[V.4] Place steel flat plate over septum and cap, **AND** secure plate with clamps, if applicable.

[V.5] Gently insert sample needle assembly through filter media sampling port assembly to ensure a leak tight connection between the sampling needle assembly and the container headspace directly beneath the waste container lid.

[V.6] GO TO step 4.5.5[F].

[W] **IF** the container has a penetrable filter (e.g., NFT-020, NFT049S, etc.),
THEN sample as follows:

[W.1] Gently insert sample needle assembly through filter media sampling port assembly to ensure a leak tight connection between the sampling needle assembly and the container headspace directly beneath the waste container lid.

[W.2] GO TO step 4.5.5[F].

NOTE

Relevant data for the laboratory canister tags can be recorded prior to or during sampling activities.

[X] Record the relevant data to the laboratory canister tag, including any additional information required by the analytical laboratory.

[Y] **IF** it is necessary to remove the laboratory canister tag to record data,
THEN remove the tag from the canister, record the data, **AND** immediately re-attach the tag to the canister.

[Z] Repeat steps 4.5.5[A] through 4.5.5[Y] for the remaining samples using only one needle and one SUMMA® or equivalent canister assembly per sample.

[AA] Turn HEPA blower OFF, if applicable.

[BB] **IF** using data loggers,
THEN perform the following steps:

[BB.1] Download temperature data (graphs) from temperature data loggers to a computer.

[BB.2] Print the data loggers information.

[BB.3] Ensure the M&TE ID number is printed on the data logger information.

[CC] **IF** using a mechanical temperature recorder,
THEN perform the following steps:

[CC.1] Remove the chart from temperature recorder.

[CC.2] Ensure the M&TE ID number is printed on the chart.

NOTE

If more than one qualified sampler is part of the sampling evolution, only one qualified sampler is required to sign on the SAMPLER'S SIGNATURE line on Attachment 1.

[DD] **IF** a FRS does not need to be collected,
THEN on Attachment 1 sign the SAMPLER'S SIGNATURE line on Attachment 1, **AND** sign the CUSTODY INITIATED BY: block of Attachment 1.

4.5.6 Collection of Field Reference Standard (FRS)

NOTE

A FRS is collected at the end of the gas sample collection or can be collected prior to all HSG operations.

[A] **IF** FRS results demonstrate the QAOs for accuracy have been met,
THEN proceed to Section 4.6.

[B] Attach the standard purge assembly to the FRS gas cylinder, if applicable.

[C] OPEN the FRS gas cylinder valve, **AND** set the cylinder's output regulator pressure from 0 to 1 psig.

[D] Bleed the purge assembly to ensure no room air remains in the purge assembly.

[E] Insert the canister needle into the purge assembly.

[F] Record NA in the VENT SEAL block on Attachment 1.

[G] Record the canister gauge BEGINNING PRESSURE and START TIME on Attachment 1, **AND** OPEN the valve on the SUMMA® or equivalent canister.

[H] Adjust the regulator to obtain approximately atmospheric pressure of 13 to 15 psig in the SUMMA® or equivalent canister.

[I] CLOSE the valve on the SUMMA® or equivalent canister, **AND** record the canister END PRESSURE and END TIME on Attachment 1.

[J] **IF** the canister gauge DOES **NOT** read 13 to 15 psig, **THEN** obtain new SUMMA® or equivalent canister and certified needle assembly **AND** re-sample once by repeating steps 4.5.2[A], 4.5.2[B], **AND** 4.5.6[C] through 4.5.6[I].

[J.1] **IF** the second attempt FAILS, **THEN** troubleshoot and fix.

[J.2] Return canister(s) that do not meet pressure requirement to the analytical laboratory.

[K] Withdraw the canister needle from the purge assembly, **AND** CLOSE the FRS cylinder shutoff valve.

[L] Remove the needle assembly from the canister.

[M] Attach a valve locking device, and a TID to the canister.

[M.1] Record the TID NUMBER on Attachment 1.

[M.2] **IF** the TID is **NOT** numbered, **THEN** initial and date TID with a permanent marker, **AND** record NA on Attachment 1.

[N] Enter the data listed below, for the FRS sample on Attachment 1:

[N.1] Site (zz) (Host site abbreviation).

[N.2] Date (date of the sample - mmddyy, where mm is month in two digits, dd is date in two digits and yy is the last

two digits of the year). DO **NOT** use slash marks when recording the date on Attachment 1.

[N.3] SUMMA® or equivalent Canister No. (from the metal tag on the canister) Example: EI234.

[N.4] Canister Size (e.g., 250 mL).

[N.5] Container ID/Barcode No. (Cylinder No. for FRS).

[N.6] Waste Stream ID (NA for FRS).

[N.7] Cleaning Batch No. (from the laboratory canister tag).

[N.8] Needle Assembly Batch No. (created when needles are assembled).

[N.9] Record F - Field Reference Standard.

[N.10] Sampler's Initials.

[O] Copy the relevant data to the laboratory canister tag, including any additional information required by the analytical laboratory.

[O.1] Record FRS in the SAMPLE DESCRIPTION on the laboratory canister tag.

[O.2] **IF** it is necessary to remove the laboratory canister tag to record the data,
THEN remove the tag from the canister, record the data,
AND immediately re-attach the tag to the canister.

[P] Bleed out FRS from the lines and fittings.

NOTE

If more than one qualified sampler is part of the sampling evolution, only one qualified sampler is required to sign on the SAMPLER'S SIGNATURE line on Attachment 1.

[Q] On Attachment 1 sign on the SAMPLER'S SIGNATURE line, **AND** sign the CUSTODY INITIATED BY: block.

4.6 Pre-Transport/Shipping Activities of Canister Samples to Laboratory

NOTE
Sample custody will be maintained by ensuring that samples:

- are in the possession of an authorized individual
- are in that individual's view
- are in a sealed or locked container controlled by that individual
- are in a secure controlled access area

4.6.1 Prepare all the canisters from the Field Batch for shipping by verifying a valve locking device TID, **AND** Canister Tag has been installed on each individual SUMMA® or equivalent canister.

4.6.2 Verify the TID Number for each canister has been recorded on Attachment 1.

4.6.3 Place the canisters in a holding area secured by TID(s), along with Attachment 1, if applicable.

[A] Install **OR** verify installed a temperature recorder in the holding area, **AND** record the M&TE ID Number on Attachment 1.

[B] Record the holding area TID Number(s) on Attachment 1.

[C] **IF** the TID is blank and DOES **NOT** contain a number, **THEN** initial and date TID with permanent marker, **AND** record on Attachment 1.

4.6.4 **IF** transferring custody of the containers, **THEN** perform the following:

[A] Ensure the RELINQUISHED BY box is signed, dated, and time recorded by the Custody Initiated By Sampler or Received By Individual on Page 2 of Attachment 1.

[B] Individual taking custody will sign, date, and record time in RECEIVED BY box on Page 2 of Attachment 1.

[B.1] Check for damage on SUMMAs® or equivalent and observable changes in end pressures.

(a) Report any damage to relinquisher, **AND** note in comments section on Page 2 of Attachment 1.

4.7 Final Disposition of SUMMA® or equivalent Canister to Laboratory

NOTE
Shipping/transport of SUMMA® or equivalent canisters will be processed through the Host site shipping/transportation department.

4.7.1 Review the temperature recorder to verify the sample canisters in the holding area have been maintained in the temperature range of 0° C to 40° C.

4.7.2 Check for damage on SUMMAs® or equivalent canisters and observable changes in end pressures.

4.7.3 Package the canisters into the final container for shipment/transport to the analytical laboratory, **AND** add a minimum of one Min/Max thermometer.

4.7.4 Record the following on Attachment 1, Page 2 of 2 for the Min/Max thermometer:

[A] M&TE ID No.

[B] Calibration Due Date

[C] Initials of person making entry and date

4.7.5 Record the TID number that will be used on the outside of the case, if applicable, as well as the date and initials of the person applying the TID on Page 2 of Attachment 1.

4.7.6 Record the shipment tracking number and method of shipping or NA on Attachment 1, Page 2 of 2, if applicable.

NOTE
The last person to relinquish the COC will be the person who will be applying the TID on the shipping container.

4.7.7 Sign the RELINQUISHED BY and DATE/TIME block on Attachment 1.

4.7.8 Make a photocopy of Attachment 1.

4.7.9 Place original copy of Attachment 1 into the shipping container, **AND** apply the TID to the outside of the shipping container, **AND** initial and date with permanent marker.

4.7.10 Place a photocopy of Attachment 1 in the BDR Holding File.

4.7.11 Complete a Host site Shipment Request Form **OR** equivalent documentation, if applicable.

4.7.12 Deliver the container(s) with the SUMMA® or equivalent canister samples to the Host site/responsible personnel for shipping/transporting the canisters to the analytical laboratory.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management*. The records are the following:

NOTE
The records identified in step 5.1.1 are compiled into the BDR in CCP-TP-106, *CCP Headspace Gas Sampling Batch Data Report Preparation*.

5.1.1 QA/Lifetime

[A] Attachment 1 – Chain of Custody/Canister Tag

[B] Attachment 2 – Sample Container Data Form

[C] Shipment Request Form (or equivalent), if applicable.

Table 1. Headspace Gas Drum Age Criteria Sampling Scenario

Scenario	Description
1.	A. Unvented containers without rigid poly liners are sampled through the container lid at the time of venting. B. Unvented containers with unvented rigid poly liners are sampled through the rigid poly liner at the time of venting or prior to venting. C. Vented containers with unvented rigid poly liners are sampled through the rigid poly liner at the time of venting or prior to venting. D. Unvented containers with vented rigid poly liners are sampled through the container lid at the time of venting.
2.	Containers that have met the criteria for Scenario 1 and then are vented, but not sampled at the time of venting.[a]
3.	Containers (i.e., 55-gallon drums, 85-gallon drums, 100-gallon drums, SWBs, Ten-Drum Overpacks (TDOPs) and pipe components) that are initially packaged in a vented condition and sampled in the container headspace and containers that are not sampled under Scenario 1 or 2.

[a] Containers that have not met the Scenario 1 DAC at the time of venting must be categorized under Scenario 3. This requires the additional information required of each container in Scenario 3 (i.e., determination of packaging configuration), and such containers can only be sampled after meeting the appropriate Scenario 3 DAC.

Table 2. Scenario 1 Drum Age Criteria (in days) Matrix

Summary Category Group	DAC (days)
S5000	53

Note: Containers that are sampled using the Scenario 1 DAC do not require information on the packaging configuration because the Scenario 1 DAC is based on a bounding packaging configuration. In addition, information on the rigid liner vent hole presence and diameter do not apply to containers that are sampled using the Scenario 1 DAC because they are unvented prior to sampling.

Table 3. Scenario 2 Drum Age Criteria (in days) Matrix

	Summary Category Group S5000			
Filter H_2 Diffusivity [a]	**Rigid Liner Vent Hole Diameter (in)[b]**			
(mol/s/mod fraction)	0.30	0.375	0.75	1.0
1.9×10^{-6}	29	22	13	12
3.7×10^{-6}	25	20	12	11
3.7×10^{-5}	7	6	6	4

a The documented filter H_2 diffusivity must be greater than or equal to the listed value to use the DAC for the listed filter H_2 diffusivity (e.g., a container with a filter H_2 diffusivity of 4.2×10^{-6} must use a DAC for a filter with a 3.7×10^{-6} filter H_2 diffusivity). If a filter H_2 diffusivity for a container is undocumented or unknown or is less than 1.9×10^{-6} filter H_2 diffusivity, a filter of known H_2 diffusivity that is greater than or equal to 1.9×10^{-6} filter H_2 diffusivity must be installed prior to initiation of the relevant DAC period.

b The documented rigid liner vent hole diameter must be greater than or equal to the listed value to use the DAC for the listed rigid liner vent hole diameter (e.g., a container with a rigid liner vent hole of 0.5 in. must use a DAC for a rigid liner vent hole of 0.375 in.). If the rigid liner vent hole diameter for a container is undocumented during packaging that container must use a DAC for a rigid liner vent hole diameter of 0.30 in.

Note: Containers that are sampled using the Scenario 2 DAC do not require information on the packaging configuration because the Scenario 2 DAC are based on a bounding packaging configuration.

Table 4. Scenario 3 Packaging Configuration Groups

Packaging Configuration Group	Covered S5000 Packaging Configuration Groups
Packaging Configuration Group 1, 55-gal. drums[a]	• No layers of confinement, filtered inner lid[b] • No inner bags, no liner bags (bounding case)
Packaging Configuration Group 2, 55-gal. drums[a]	• 1 inner bag • 1 filtered inner bag • 1 liner bag • 1 filtered liner bag • 1 inner bag, 1 liner bag 1 filtered inner bag, 1 filtered liner bag • 2 inner bags • 2 filtered inner bags • 2 inner bags, 1 liner bag • 2 filtered inner bags, 1 filtered liner bag • 3 inner bags • 3 filtered inner bags • 3 filtered inner bags, 1 filtered liner bag • 3 inner bags, 1 liner bag (bounding case)
Packaging Configuration Group 3, 55-gal. drums[a]	• 2 liner bags • 2 filtered liner bags • 1 inner bag, 2 liner bags • 1 filtered inner bag, 2 filtered liner bags • 2 inner bags, 2 liner bags • 2 filtered inner bags, 2 filtered liner bags • 3 filtered inner bags, 2 filtered liner bags • 4 inner bags • 3 inner bags, 2 liner bags • 4 inner bags, 2 liner bags (bounding case)

Table 4. Scenario 3 Packaging Configuration Groups (Continued)

Packaging Configuration Group	Covered S5000 Packaging Configuration Groups
Packaging Configuration Group 4, pipe components	• No layers of confinement inside a pipe component • 1 filtered inner bag, 1 filtered metal can inside a pipe component • 2 inner bags inside a pipe component • 2 filtered inner bags inside a pipe component • 2 filtered inner bags, 1 filtered metal can inside a pipe component • 2 inner bags, 1 filtered metal can inside a pipe component (bounding case)
Packaging Configuration Group 5, SWB, Ten-Drum Overpack, or SLB 2 [a]	• No layers of confinement • 1 SWB liner bag (bounding case)
Packaging Configuration Group 6, SWB, Ten-Drum Overpack, or SLB 2 [a]	• Any combination of inner and/or liner bags that is less than or equal to 6 • 5 inner bags, 1 SWB liner bag (bounding case)
Packaging Configuration Group 7, 85-gallon. Drums and 100-gallon. Drums[a]	• No inner bags, no liner bags, no rigid liner, filtered inner lid (bounding case)[b] • No inner bags, no liner bags, no rigid liner
Packaging Configuration Group 8, 85-gallon. Drums and 100-gallon. Drums [a]	• 4 inner bags and 2 liner bags, no rigid liner, filtered inner lid (bounding case)[b]

[a] If specific Packaging Configuration Groups cannot be determined based on the data collected during packaging and/or repackaging, a conservative default Packaging Configuration Group of 3 for 55-gallon drums, 6 for SWBs, TDOPs, and SLB2s, and 8 for 85-gallon drums must be assigned provided the drums do not contain pipe component packaging. If pipe components are present as packaging in the drums, the pipe components must be sampled following the requirements for Packaging Configuration Group 4.

[b] A “filtered inner lid” is the inner lid on a double lid drum that contains a filter.

Definitions:
Liner Bags: One or more optional plastic bags that are used to control radiological contamination. Liner bags for drums have a thickness of approximately 11 mils. Liner bags are typically similar in size to the container. SWB liner bags have a thickness of approximately 14 mils. TDOPs and SLB2s use SWB liner bags.

Inner Bags: One or more optional plastic bags that are used to control radiological contamination. Inner bags have a thickness of approximately 5 mils and are typically smaller than liner bags.

Table 5. Scenario 3 Drum Age Criteria (in days) Matrix for S5000 Waste by Packaging Configuration Group

Packaging Configuration Group 1						
	Rigid Liner Vent Hole Diameter[b]					
Filter H_2 Diffusivity[a] (mol/s/mol fraction)	0.3-inch Diameter Hole	0.375-inch Diameter Hole	0.75-inch Diameter Hole	1-inch Diameter Hole	No Liner Lid	No Liner
1.9×10^{-6}	131	95	37	24	4	4
3.7×10^{-6}	111	85	36	24	4	4
3.7×10^{-5}	28	28	23	19	4	4

Packaging Configuration Group 2						
	Rigid Liner Vent Hole Diameter[b]					
Filter H_2 Diffusivity[a] (mol/s/mol fraction)	0.3-inch Diameter Hole	0.375-inch Diameter Hole	0.75-inch Diameter Hole	1-inch Diameter Hole	No Liner Lid	No Liner
1.9×10^{-6}	175	138	75	60	30	11
3.7×10^{-6}	152	126	73	59	30	11
3.7×10^{-5}	58	57	52	47	28	8

Packaging Configuration Group 3						
	Rigid Liner Vent Hole Diameter[b]					
Filter H_2 Diffusivity[a] (mol/s/mol fraction)	0.3-inch Diameter Hole	0.375-inch Diameter Hole	0.75-inch Diameter Hole	1-inch Diameter Hole	No Liner Lid	No Liner
1.9×10^{-6}	199	161	96	80	46	16
3.7×10^{-6}	175	148	93	79	46	16
3.7×10^{-5}	72	72	67	62	42	10

Table 5. Scenario 3 Drum Age Criteria (in days) Matrix for S5000 Waste by Packaging Configuration Group (Continued)

Packaging Configuration Group 4	
Filter H_2 Diffusivity [a] (mol/s/mol fraction)	**Headspace Sample Taken Inside Pipe Component**
>1.9 x 10^{-6}	152

Packaging Configuration Group 5	
Filter H_2 Diffusivity [a,c] (mol/s/mol fraction)	**Headspace Sample Taken Inside SWB**
>7.4 x 10^{-6} (SWB)	15
3.33 x 10^{-5} (TDOP)	15
6.60 x 10^{-4} (SLB2)	21

Packaging Configuration Group 6	
Filter H_2 Diffusivity [a,c] (mol/s/mol fraction)	**Headspace Sample Taken Inside SWB**
>7.4 x 10^{-6} (SWB)	56
3.33 x 10^{-5} (TDOP)	56
6.60 x 10^{-4} (SLB2)	56

Packaging Configuration Group 7 [d]			
Filter H_2 Diffusivity [a] (mol/s/mol fraction)	**Inner Lid Filter Vent Minimum H_2 Diffusivity (mol/s/mol fraction) [a]**		
	7.4 x 10^{-6}	1.85 x 10^{-5}	9.25 x 10^{-5} [e]
3.7 x 10^{-6}	13	7	2
7.4 x 10^{-6}	10	6	2
1.85 x 10^{-5}	6	4	2

Packaging Configuration Group 8	
Filter H_2 Diffusivity [a] (mol/s/mol fraction)	**Inner Lid Filter Vent Minimum H_2 Diffusivity (mol/s/mol fraction)**
	7.4 x 10^{-6}
3.7 x 10^{-6}	21

[a] The documented filter H_2 diffusivity must be greater than or equal to the listed value to use the DAC for the listed filter H_2 diffusivity (e.g., a container with a filter H_2 diffusivity of 4.2 x 10^{-6} must use a DAC for a filter with a 3.7 x 10^{-6} filter H_2 diffusivity). If a filter H_2 diffusivity for a container is undocumented or unknown or is less than 1.9 x 10^{-6} filter H_2 diffusivity, a filter of known H_2 diffusivity that is greater than or equal to 1.9 x 10^{-6} filter H_2 diffusivity must be installed prior to initiation of the relevant DAC period.

Table 5. Scenario 3 Drum Age Criteria (in days) Matrix for S5000 Waste by Packaging Configuration Group (Continued)

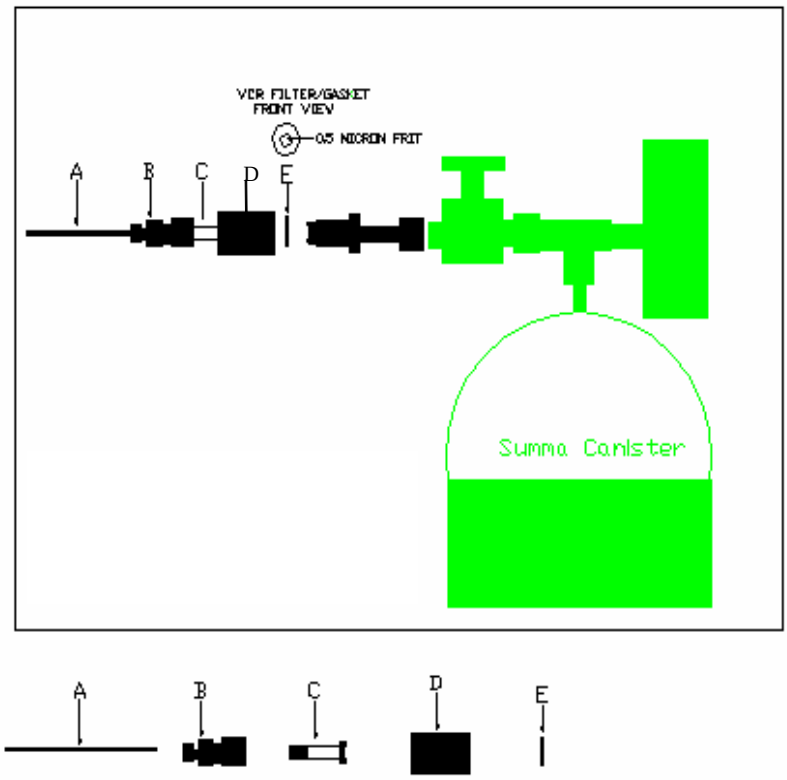
b The documented rigid liner vent hole diameter must be greater than or equal to the listed value to use the DAC for the listed rigid liner vent hole diameter (e.g., a container with a rigid liner vent hole of 0.5 in. must use a DAC for a rigid liner vent hole of 0.375 in.). If the rigid liner vent hole diameter for a container is undocumented during packaging, repackaging, and/or venting, that container must use a DAC for a rigid liner vent hole diameter of 0.30 in.

c The filter H_2 diffusivity for SWBs, TDOPs, or SLB2s is the sum of the diffusivities for all of the filters on the container because SWBs, TDOPs, and SLB2s have more than 1 filter.

d Headspace sample taken between inner and outer drum lids. If headspace sample is taken inside the filtered inner drum lid prior to placement of the outer drum lid, then a DAC value of 2 days may be used. Footnote “e” is also applicable. Packaging Configuration Group 7 DAC values apply to drums with up to two lids.

e While a DAC value of two days may be determined, containers must comply with the equilibrium requirements (i.e., 72 hours at 18°C or higher). The equilibrium requirement for headspace gas sampling shall be met separately.

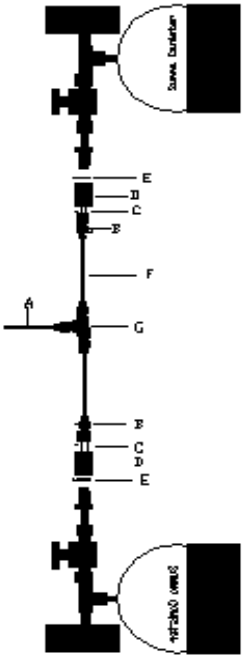
Figure 1. Single Canister Sampling Components



A -1/16 in. O.D. SIDE PORT NEEDLE
B -1/4 in. x 1/16 in. SWAGELOK REDUCING UNION
C -1/4 in. SWAGELOK TO VCR ADAPTER
D -1/4 in. VCR FEMALE CONNECTOR
E - SS VCR FILTER GASKET (0.5 MICRONS)

Obsolete

Figure 2. Duplicate Canister Sampling Components



A - 1/16 in. O.D. SIDE PORT NEEDLE
B - 1/4 in. x 1/16 in. SWAGELOK REDUCING UNION
C - 1/4 in. SWAGELOK TO VCR ADAPTER
D - 1/4 in. VCR FEMALE CONNECTOR
E - SS VCR FILTER GASKET (0.5 MICRONS)
F - 1/16 in. O.D. TEFLON TUBING (6 in.TO 8 in. LONG)
G - 1/16 in. SWAGELOK UNION TEE

Attachment 1 – Chain of Custody/Canister Tag

Location:	Point of Origin:	**Sample Matrix is Gas**	Ambient Conditions	
	COC Number:		Temperature (centigrade):	
			Pressure (in. Hg):	

Site	Date	SUMMA® Canister No.	Size (mL)	TID No.	Container ID /Barcode No.	Waste Stream ID	Cleaning Batch No.	Needle Assembly Batch No.	Type SS B D F C (Note 1)	Vent Seal (Y/NA)	Start Time	End Time	Beginning Pressure (in.Hg or psig)	End Pressure (in.Hg or psig)	Sampler's Initials

Note 1. Analysis required:

C - Needle Assembly Cleanliness Certification: VOC.
SS - Single Sample: VOC, H_2, CH_4
B - Field Blank: VOC
D - Duplicate: VOC, H_2, CH_4
F - Field Reference Standard: VOC

Sampler's Signature:_____

Attachment 1 – Chain of Custody/Canister Tag (Continued) Page 2 of 2

COC Number:					
Comments:		Instrument Section	M&TE ID No.	Calibration Due Date	Initials/Date
Analytical Laboratory - ECL		Pressure Meter			
Shipping Tracking #	Method of Shipping	Thermometer			
		Min /Max Thermometer			
Analysis Requested VOC		Preservation Method: 0 - 40°C			
TID Number(s)		TID Initials and Date:			
Custody Initiated By: (Sampler Name/Organization)	Date/Time				
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Relinquished By: (Name/Organization)	Date/Time	Received By: (Name/Organization)			Date/Time
Final Disposition By: (Name/Organization)	Date/Time	Disposition:			

Attachment 2 – Sample Container Data Form Page 1 of 2

Field Batch Number:

	Container ID	Sampling Scenario	Summary Category Group	Rigid Liner (Y/N/)	Rigid Liner Lid (Y/N)	Rigid Liner Lid Hole Diameter (in.)	Number of Inner Bags	Number of Liner Bags	Filter Model No.	Number of Filters	Restrictive Hydrogen Diffusivity (m/s/mf)	Package Configuration Group No.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												

Obsolete

Attachment 2 – Sample Container Data Form (Continued) Page 2 of 2

Field Batch Number:

Container ID		Closure Date	Vent Date	Permit Required Equilibrium Time (Days)	Container Age (Days)	Container Fill Factor (%)	Can This Container Be Sampled? (Y / N)	Temperature Recorder M&TE /ID No.: Temperature Recorder Calibration Due Date: 72 – Hour Container Equilibrium	
								Start Date/Time	End Date/Time
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

HSG Sampler: _____ _____ _____
Print Name **Signature** **Date**

Obsolete

CCP-TP-098

Revision 3

CCP
Installation of the NucFil HSG Sample Port

EFFECTIVE DATE: 06/20/2005

David H. Haar

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	07/21/2003	Initial Issue.
1	12/02/2003	Incorporated recommendations from the October 2003 Management Assessment.
2	03/19/2004	Revised Section 2.0 and 4.0 to incorporate changes to the NucFil™ Installation Unit operating pressure, updated specifications per the manufacturer's instructions and inserted steps 4.2.4, 4.2.7[B.1] and [[B.2].
3	06/20/2005	Revised procedure to reflect process changes.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Precautions and Limitations 6
2.5 Prerequisite Actions 7
2.6 Definitions 7

3.0 RESPONSIBILITIES 8
3.1 CCP Vendor Project Manager (VPM)/Designee 8
3.2 Sample Port Installation Technician 8
3.3 Radiological Control Technician (RCT) 8
3.4 Facility Records Custodian 8

4.0 PROCEDURE 9
4.1 Pre-start Operations 9
4.2 Verification of Tools and Equipment 10
4.3 Setup and Drum Lid Measurement 11
4.4 Attachment Pressure Source 12
4.5 Setting Up the Sample Port Installation System 13
4.6 Installation of Sample Port 15
4.7 Post Installation Check 15
4.8 Reviewing and Processing of the Sampling Port Installation Record 17

5.0 RECORDS 18

Table 1. Sample Port Installation Pressure 14

Attachment 1 – Sampling Port Installation Record 19

1.0 PURPOSE

The Central Characterization Project (CCP) is the tenant in several nuclear facilities supporting the handling, characterization, repackaging, certification, and transportation of transuranic (TRU) waste that will ultimately be shipped to the Waste Isolation Pilot Plant (WIPP) for disposal. In support of the CCP, personnel sample the headspace of TRU waste containers for volatile organic compounds (VOCs) and for hydrogen and methane.

This technical procedure identifies and describes the steps for installation of sample ports that enable the sampling of the headspace for VOCs. Included are the steps to be taken to ensure that personnel and the environment are protected, and that the containers are fitted with a filter acceptable for shipment to WIPP.

1.1 Scope

This procedure applies to CCP direct and subcontract personnel who perform installation of sample ports on TRU waste containers.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- *NUCFIL Headspace Gas Sample Port Installation System Operating Manual*
- CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*

Referenced Documents

- CCP-PO-005, *CCP Conduct of Operations*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-082, *CCP Preparing and Handling Waste Drums for Headspace Gas Sampling*

Obsolete

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan* prior to performing this procedure.

2.3 Equipment List

NOTE

Operators will be installing a Nucfil-050-SH or Nucfil-050-FT, **OR** verifying the existence on a Nucfil 019DS Filter.

2.3.1 NucFil-050-SH sample port **OR** NucFil-050-FT sample port including:

- Lid penetrating tip
- O-ring
- Seal screw

2.3.2 NucFil™ Sample Port Installation System listed below:

- Pneumatic driver
- Mobile workstation
- Insertion tool
- Remote control

2.3.3 Calibrated torque wrench capable of a 0-100 in-pounds torque range

2.3.4 ½ inch Socket

2.3.5 Calibrated ultrasonic micrometer

2.3.6 Cheesecloth

2.3.7 Kimwipes

2.3.8 RTV-732 sealant **OR** equivalent

2.3.9 Ultrasonic Couplant Gel

2.3.10 Permanent marker

2.3.11 EP-2 grease **OR** equivalent

2.3.12 Scraper

2.3.13 All purpose cleaner

2.3.14 0.0625 inch calibrated gauge block

~~2.3.14~~2.3.15 Inert gas cylinder (e.g., nitrogen gas) **OR** "house air" with air lines and regulator

~~2.3.15~~2.3.16 5/64" Allen Wrench

~~2.3.16~~2.3.17 HSG Operations Logbook

2.4 Precautions and Limitations

2.4.1 Perform sample port installation in accordance with this procedure ensuring the following:

[A] Drums are properly vented prior to installing the sample port (e.g., Nuclear Filter Technology (NFT), 013, 019, and 072 filters).

[B] ONLY NucFil™ approved sample ports are used with the installation system.

2.4.2 Maximum allowable pressure for operation of the mobile workstation is 135 pounds per square inch gauge (psig). The Pneumatic Driver Output Regulator has a limiting pressure setting of 125 psig and a pressure relieve valve set at 135 psig.

2.4.3 Maximum allowable pressure for operation of the Pneumatic Driver Output Regulator is 120 psig.

2.4.4 Operation of the Pneumatic Driver is by remote control.

[A] Maximum operating range for the remote control is approximately 20 feet from the drum.

[B] Minimum safe distance from the drum when installing the sample port is 5 feet.

2.4.5 The pneumatic driver locking clamps are designed for one size of drum only (i.e., 30, 55, or 83-gallons). Ensure the proper clamps are used for the drum to be sampled.

2.4.6 The pneumatic driver must be clamped in a near-perpendicular position relative to the drum to ensure proper installation of the sample port.

2.4.7 Sample port installation location is selected so that the drum lid locking ringbolt will **NOT** interfere with the attachment of the locking clamps of the pneumatic driver.

2.4.8 When using house air to power the mobile workstation, the air supply must be dry **AND** filtered.

2.5 Prerequisite Actions

2.5.1 Workers who will be working in an area controlled for radiological purposes must have read and signed the applicable Radiation Work Permit (RWP), and received orientation to the applicable Host site work control documents.

2.5.2 Wear the following personal protective equipment (PPE), as needed:

- Safety shoes and gloves throughout operation
- ANSI approved safety glasses with side shields
- Leather gloves, as needed
- Booties
- Hearing protection during installation of the sample port
- Respiratory protection, as directed by the Radiological Control Technician (RCT)
- Coveralls or other protective clothing, as directed by the RWP

2.6 Definitions

2.6.1 **Filter vent** - A replaceable assembly containing a filter medium. that can be installed in a drum.

2.6.2 **Headspace gas (HSG)** - Headspace is the total contained volume of a container minus the volume occupied by the waste. The HSG is the gas within the headspace of the container.

2.6.3 **Sample port** - A remotely installed device used to sample the HSG of a drum.

2.6.4 **Waste drum** - A container approved as a payload container for shipping waste to, and disposing of it at WIPP.

3.0 RESPONSIBILITIES

3.1 CCP Vendor Project Manager (VPM)/Designee

3.1.1 Ensures implementation of the requirements in this procedure.

3.1.2 Ensures adherence to the requirements specified in this document during programmatic operations.

3.1.3 Ensures all personnel under their oversight understand the requirements in this procedure, **AND** apply them during installation operations.

3.1.4 Coordinates with the Host site operations personnel to have drums provided for installation of sample ports.

3.1.5 Reviews Attachment 1, Sampling Port Installation Record, for accuracy and completeness.

3.2 Sample Port Installation Technician

3.2.1 Wears the proper PPE in accordance with standard operating procedures for the facility in which the operation is performed.

3.2.2 Installs sample ports for HSG sampling using this procedure.

3.2.3 Operates and maintains sample port equipment.

3.2.4 Ensures that Attachment 1 **AND** maintenance records are complete and accurate.

3.3 Radiological Control Technician (RCT)

3.3.1 Performs duties in support of this procedure in accordance with Occupational Radiation Protection Requirements.

3.3.2 Determines radiological PPE based on facility and site conditions/requirements.

3.3.3 Conducts surveys of personnel and equipment performing this procedure.

3.4 Facility Records Custodian

3.4.1 Transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

4.0 PROCEDURE

NOTE

If during the course of executing the requirements of this procedure, an off-normal situation occurs that causes deviation from the normal process, and this off-normal condition CAN **NOT** be corrected as directed in this procedure, the Sample Port Installation Technicians shall IMMEDIATELY cease operations, **AND** notify the VPM **AND/OR** the RCT to evaluate the situation.

Technician

4.1 Pre-start Operations

4.1.1 Confirm in the HSG Logbook that the following lubrications have been performed and are current.

[A] Pneumatic Drive Handle

[A.1] Verify that two drops of pneumatic tool oil have been added daily to the input end of pneumatic drive handle.

[A.2] **IF NOT** documented, **OR NOT** current, **THEN** add the pneumatic tool oil, **AND** document in the HSG Logbook.

[B] Locking Clamps-Weekly Lubrication

[B.1] Verify that the weekly lubrication of the locking clamps have been performed **AND** documented in the HSG Logbook.

[B.2] **IF NOT** documented, **OR NOT** current, **THEN** apply one drop of oil/grease to the surface of the three locking clamps, **AND** document in the HSG Logbook.

[C] Locking Clamp Arms-Monthly Lubrication

[C.1] Verify that the monthly lubrication of the locking clamp has been performed **AND** documented.

~~[C.1]~~[C.2] **IF NOT** documented, **OR NOT** current, **THEN** add oil/grease to both ends of the threads on the locking clamp arms, **AND** document in the HSG Logbook.

4.1.2 Verify that the the pneumatic driver is in good material condition, connections tight moving free to function, and pressure regulations set to minimum.

4.2 Verification of Tools and Equipment

4.2.1 Record Sampling Port Installation Date on Attachment 1.

4.2.2 Verify current calibration of the torque wrench **AND** record Torque Wrench serial number, Calibration Due Date, **AND** initial Attachment 1.

4.2.3 Verify current calibration of the gauge block(s) and record Gauge Block(s) file number, Calibration Due Date, **AND** initial Attachment 1.

4.2.4 Verify current calibration of the High Precision Ultrasonic Micrometer, **AND** record High Precision Ultrasonic Micrometer serial number, Calibration Due Date, **AND** initial Attachment 1.

4.2.5 Verify high precision ultrasonic micrometer accuracy by performing the following:

[A] Place industrial ultrasonic Couplant gel on the tip of the micrometer.

[B] Place the high precision ultrasonic micrometer against the gauge block.

[C] Record Reading, **AND** initial Attachment 1.

NOTE

The allowable range for the verification on the high precision ultrasonic micrometer is 0.0620-0.0630. If **NOT** within allowable range, work must be stopped, the ultrasonic micrometer must be placed in a safe configuration and the VPM notified.

4.2.6 Completely clean any residue off the gauge block **AND** the High Precision Ultrasonic Micrometer.

4.3 Setup and Drum Lid Measurement

NOTE
To address the graded approach in accordance with CCP-PO-005, *CCP Conduct of Operations*, multiple drums may be scraped and measured in this section without other sections being completed.

4.3.1 Wipe down all drum lids using cheesecloth/Kimwipes and all purpose cleaner.

4.3.2 Record all Container (Drum) Numbers on Attachment 1.

4.3.3 Identify existing Sampling Port Type, if one exists, and checkmark the appropriate box on Attachment 1.

4.3.4 Visually inspect existing sample port, **AND** verify the seal is in good condition for sampling for a container that presently has a NucFil 050SH, NucFil 050FT sampling port or a NucFil 019DS filter with integral Sampling Port,
THEN GO TO step 4.7.13.

4.3.5 **IF** there is no Sampling Port,
THEN continue with step 4.3.6.

NOTE
The sample port location should be selected so that the drum lid locking ringbolt will **NOT** interfere with the installation of the pneumatic driver.

4.3.6 Using sample port installation fixture, determine the select location by marking an X with permanent marker where the sample port is to be installed.

4.3.7 Scuff paint off the drum lids at the predetermined locations.

4.3.8 Re-wipe drum lids free of any loose debris.

4.3.9 Measure the drum lid thickness at the predetermined location using a high precision ultrasonic micrometer and industrial ultrasonic Couplant gel or equivalent.

CAUTION

The system is **NOT** to be used on drum lids where the thickness exceeds 0.068 inch because of the 120 psig limitations.

4.3.10 **IF** the drum lid thickness exceeds 0.068 inch **AND** contains drum filter,
THEN prepare drum for sampling in accordance with CCP-TP-082, *CCP Preparing and Handling Waste Drums for Headspace Gas Sampling*, **AND** note in Comments section of Attachment 1.

4.3.11 **IF** the drum lid thickness exceeds 0.068 inch, **AND** DOES **NOT** contain a filter,
THEN reject the drum, **AND** notify the VPM, **AND** note in Comments section of Attachment 1.

4.3.12 **IF** the high precision ultrasonic micrometer reads out to more than the three figures after the decimal place for the drum thickness listed in Table 1, Sample Port Installation Pressure,
THEN round the number in accordance with standard rounding rules:

- **IF** the digit 5, 6, 7, 8, or 9 is dropped,
  THEN increase preceding unit by 1 unit

- **IF** the digit 0, 1, 2, 3, or 4 is dropped,
  THEN DO **NOT** alter the preceding digit

4.3.13 Record lid thickness on drum lids using permanent marker.

4.3.14 Record all drum Lid Thicknesses on Attachment 1.

4.4 Attachment Pressure Source

CAUTION

The maximum allowable pressure for operation of the mobile workstation is 135 psig.

4.4.1 Attach pressure source to the mobile workstation from inert gas cylinder **OR** house air with air lines and regulator (e.g., nitrogen gas).

Obsolete

4.4.2 **IF** using an external pressure source,
THEN set the output pressure to 135 psig.

4.4.3 Connect the NucFil™ power cable to mobile workstation.

4.4.4 Connect the NucFil™ air line to the mobile workstation.

4.5 Setting Up the Sample Port Installation System

4.5.1 Verify that the power cable is **NOT** attached to pneumatic driver.

4.5.2 Verify that the air line is **NOT** attached to the pneumatic driver.

4.5.3 Place the sample port installation fixture at the predetermined location on the drum lid and the filter vent cap over the filter.

CAUTION

Once the sample port has been inserted in the pneumatic driver, take care **NOT** to knock the sample port loose.

4.5.4 Select the proper sample port for appropriate lid thickness in accordance with Table 1, **AND** record Sampling Port Type on Attachment 1.

4.5.5 Inspect the sample port to ensure the lid-penetrating tip, O-ring, and seal screw are in place.

4.5.6 **IF** sample port lacks any of the items listed above,
THEN reject, discard, **AND** replace with a new sample port.

4.5.7 Use an Allen wrench to ensure seal screw is tightened.

4.5.8 Insert sampling port into the pneumatic driver using the insertion tool.

4.5.9 Place the pneumatic driver in a VERTICAL position on the drum lid, **AND** lock pneumatic driver arm clamps onto the drum.

4.5.10 Verify that the main air pressure switch and the power switch are in the OFF position.

4.5.11 Connect the air line to the pneumatic driver.

4.5.12 Connect the power cable to the pneumatic driver.

4.5.13 Verify locking pin on quick disconnect is fully engaged.

4.5.14 Determine appropriate pressure for sample port installation based on Sample Port Type inserted in pneumatic driver in step 4.5.4, **AND** Drum Lid Thickness measured in step 4.3.14 using Table 1.

~~4.5.15~~ Table 1. Sample Port Installation Pressure

~~4.5.16~~

Drum Lid Thickness (inch)	Suggested System Operating Pressure (psig)	Sample Port Type
.042-.046	95	050-SH
.047-.052	105	050-SH
.053-.059	120	050-SH
.030-.035	60	050-FT
.036-.041	75	050-FT
.042-.046	85	050-FT
.047-.052	95	050-FT
.053-.059	105	050-FT
.060-.063	110	050-FT
.064-.068	120	050-FT

~~4.5.17~~4.5.15 Place the power switch **AND** the main air pressure switch on the mobile workstation to the ON position.

~~4.5.18~~4.5.16 Adjust regulator pressure on the mobile workstation to the air pressure determined in step 4.5.14.

~~4.5.19~~4.5.17 Record Regulator Pressure setting on Attachment 1.

Obsolete

4.6 Installation of Sample Port

CAUTION

Hearing and eye protection are required during activation/installation of the pneumatic driver.

WARNING

All personnel in the area are to maintain a minimum distance of five (5) feet from the drum during activation of the pneumatic driver.

4.6.1 Activate the pneumatic driver using the remote control.

4.6.2 Place the main air pressure switch and the power switch on the mobile workstation to the OFF position.

4.6.3 Release pressure from air line by adjusting the regulator dial to its lowest setting.

4.7 Post Installation Check

4.7.1 Disconnect the power cable and air line from the pneumatic driver.

CAUTION

While removing the pneumatic driver from the drum lid, maintain it in a near vertical position to ensure that the installed sample port is **NOT** loosened.

4.7.2 Remove the pneumatic driver from the drum lid.

4.7.3 RCT, perform contamination survey around sampling port and the pneumatic driver.

4.7.4 **IF** contamination is found,
THEN decontaminate in accordance with RCT instructions.

4.7.5 Remove the filter vent cap **AND** sample port installation fixture from drum lid.

4.7.6 Torque the sample port to 15 in-lbs.

4.7.7 Visually inspect to ensure that the sample port is fully installed **AND** the gasket appears to be slightly compressed against the drum lid.

CAUTION

DO **NOT** torque sample port beyond 50 in-lbs. This will prevent the stripping of the threads.

4.7.8 **IF** the sample port DOES **NOT** pass the visual inspection,
THEN torque the sample port in 5 in-lb increments,
AND visually inspect to ensure that the sample port is fully installed
AND the gasket appears to be slightly compressed against the drum lid.

4.7.9 **IF** the sample port passes visual inspection,
THEN STOP increment process as in step 4.7.8.

4.7.10 **IF** the threads on the sample port are stripped **OR** a good seal CAN **NOT** be obtained to the 50-lb torque increment,
THEN perform the following:

[A] Seal the sample port to the drum lid with RTV-732 sealant **OR** equivalent, **AND** allow five minutes set time.

[B] **AFTER** the RTV-732 sealant **OR** equivalent has set,
THEN make an additional seal between the sample port and the drum lid, completely covering the gasket, but **NOT** the seal screw with sealant.

4.7.11 Record Torque Value on Attachment 1. For ports that have been stripped or a good seal could not be obtained, record "stripped" for the torque value.

4.7.12 Initial Attachment 1 for the completed drum.

4.7.13 **IF** previously ported,
THEN record in Comments section of Attachment 1.

4.7.14 **IF** sample port activities are continuing,
THEN GO TO Section 4.5 and continue operation.

4.7.15 **WHEN** sample port activities are complete for the day,
THEN depressurize, disconnect,
AND store all equipment in the appropriate area.

Obsolete

4.7.16 Complete the Operator information on the bottom of Attachment 1, **AND** initiate NCRs as necessary for stripped drums.

4.8 Reviewing and Processing of the Sampling Port Installation Record

VPM/Designee

4.8.1 Review Attachment 1, for completeness, **AND** sign and date the record.

SIGN-OFF

4.8.2 Submit the completed Attachment 1 to the Facility Records Custodian for transmittal as a record.

Facility Records Custodian

4.8.3 Transmit the completed Attachment 1 in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] Attachment 1 – Sampling Port Installation Record

Attachment 1 – Sampling Port Installation Record

4.2.1 Sampling Port Installation Date: _____

Step		Initials
4.2.2	Torque wrench serial number: Cal. Due Date:	
4.2.3	Gauge block file number: Cal. Due Date:	
4.2.4	High precision ultrasonic micrometer serial number: Cal. Due Date:	
4.2.5	High precision ultrasonic micrometer accuracy Reading:	

CAUTION: The system is **NOT** to be used on drum lids where the thickness exceeds 0.068 inch.

*If NucFil™ 019 DS filters are used, the Columns with an asterisk (*) do **NOT** apply.

Container (Drum) No. Step **4.3.2**	**Sampling Port Type** Step 4.3.3 and 4.5.4			**Lid Thickness*** Step **4.3.14**	**(Regulator) Pressure*** Step **4.5.17**	**Torque Value*** Step **4.7.11**	**Operator Initials** Step **4.7.12**	**Comments** Steps 4.7.13 and 4.3.11
	050SH	**050FT**	**019DS**					

	(4.7.16) **Operator: Printed Name**	**Signature**	**Date**
1			
2			
3			

VPM Review:_____ _____ _____
(4.8.1) **Printed Name** **Signature** **Date**

Obsolete

CCP-TP-106

Revision 8

CCP Headspace Gas Sampling Batch Data Report Preparation

EFFECTIVE DATE: 02/04/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	12/08/2003	Initial Issue.
1	03/31/2004	Revised Sections 2.0-5.0 and Attachments 1-5 to reflect changes to HSG procedures CCP-TP-043 and CCP-TP-093.
2	03/03/2005	Revised to incorporate Host site-specific requirements.
3	04/15//2005	Revised to address CBFO comments.
4	08/21/2006	Revised to address CAR-LANL-0006-06 and incorporated a change on Attachment 2, HSG Sampling Batch Data Report Table of Contents.
5	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR).
6	07/12/2007	Revised to combine requirements of Attachment 4, CCP HSG Lead Operator (LO) Review Checklist, into Attachment 3, Independent Technical Reviewer (ITR) Review Checklist, and incorporate procedural step changes to support it. Incorporated changes to Items 4 and 5 of Attachment 3 to reflect wording changes to CCP-TP-093, Revision 13, *CCP Sampling of TRU Waste Containers*, and incorporated editorial changes.
7	12/29/2010	Revised to clarify independent technical reviewer (ITR) independence.
8	02/04/2013	Revised to incorporate freeze file.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 Referenced Documents 4
2.2 Training Requirements 4
2.3 Equipment List 4
2.4 Precautions and Limitations 4
2.5 Prerequisite Actions 5

3.0 RESPONSIBILITIES 6
3.1 HSG Samplers 6
3.2 HSG Independent Technical Reviewer (ITR) 6

4.0 PROCEDURE 7
4.1 Sampling BDR Assembly at the Data Generation Level 7

5.0 RECORDS 9

LIST OF ATTACHMENTS

Attachment 1 – HSG Sampling Batch Data Report 10
Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist 11

1.0 PURPOSE

This procedure describes the process to prepare the sampling Batch Data Report(s) (BDRs) for Headspace Gas (HSG) analysis of transuranic (TRU) waste containers. This procedure provides data generation level verification and validation.

1.1 Scope

This procedure applies to personnel responsible for TRU waste container HSG Sampling BDR preparation and performance of data generation level reviews for sampling activities associated with CCP-TP-093, *CCP Sampling of TRU Waste Containers*. The data generated by this procedure meets the requirements found in CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*.

2.0 REQUIREMENTS

2.1 Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-082, *CCP Waste Container Filter Vent Operation*
- CCP-TP-093, *CCP Sampling of TRU Waste Containers*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with the requirements of CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 None.

2.5 Prerequisite Actions

2.5.1 None.

Obsolete

3.0 RESPONSIBILITIES

3.1 HSG Samplers

3.1.1 Prepares the Sampling BDR.

3.1.2 Reviews the Sampling BDR.

3.2 HSG Independent Technical Reviewer (ITR)

NOTE
The independent technical review will be performed by someone who is trained and qualified to have done the work but shall not be involved in the generation or recording of the data under review.

3.2.1 Performs the independent technical review of Sampling BDRs.

4.0 PROCEDURE

4.1 Sampling BDR Assembly at the Data Generation Level

HSG Sampler

4.1.1 HSG Sampling Batch Data Report

[A] On Attachment 1, HSG Sampling Batch Data Report, record the HSG Sampling Batch Number.

4.1.2 HSG Sampling Batch Data Report Table of Contents

[A] Ensure the following items have been included in the Sampling BDR package, and are in the correct order, **AND** record on Attachment 1:

[A.1] Attachment 1, HSG Sampling Batch Data Report

[A.2] Attachment 2, Independent Technical Reviewer (ITR) Review Checklist

[A.3] Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)

[A.4] Copy of Canister Tags

[A.5] Cleanliness Certifications for needle assemblies as applicable to the Sampling BDR

[A.6] Sample Container Data Forms (Attachment 2 of CCP-TP-093)

[A.7] Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082,*Waste Container Filter Vent Operation*), if applicable

[A.8] Shipment Request Forms, if applicable

[A.9] 72-Hour Temperature Equilibration Plots

[A.10] Copy of Nonconformance Reports (NCRs), if applicable

[A.11] Copy of Certificate of Analysis or Accuracy (COA) for Field Reference Sample (FRS), if applicable

4.1.3 Forward the Sampling BDR to the HSG ITR.

HSG ITR

4.1.4 Review the Sampling BDR to the criteria and record the following on Attachment 2, Independent Technical Reviewer (ITR) Review Checklist:

[A] Resolve any discrepancies with the HSG Samplers, as necessary, before approving the Sampling BDR.

[B] Print name, sign, and date Attachments 1 and 2 to annotate approval of the Sampling BDR.

[C] Paginate the BDR and complete Attachment 1.

[D] Submit the records generated by this procedure to the facility records custodian to be managed in accordance with CCP-QP-008, *CCP Records Management*.

5.0 RECORDS

5.1 Records generated in procedure CCP-TP-093 and, if applicable, CCP-TP-082, is included as part of the compilation of the Sampling BDR, **AND** are listed in Attachment 2.

5.2 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.2.1 QA/Lifetime Records

[A] HSG Sampling BDR:

[A.1] Attachment 1 – HSG Sampling Batch Data Report

[A.2] Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

[A.3] Chain of Custody/Canister Tag Forms (Attachment 1 of CCP-TP-093)

[A.4] Copy of Canister Tags

[A.5] Cleanliness Certifications for needle assemblies as applicable to the Sampling BDR

[A.6] Sample Container Data Form (Attachment 2 of CCP-TP-093)

[A.7] Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082,*Waste Container Filter Vent Operation*), if applicable

[A.8] Shipment Request Forms, (or equivalent), if applicable

[A.9] 72-Hour Temperature Equilibration Plots

[A.10] Copies of NCRs, if applicable

[A.11] Copy of COA for FRS, if applicable

Attachment 1 – HSG Sampling Batch Data Report Page 1 of 1

HSG Sampling Batch Number: _____

Section	Contents	Page No.
1.	HSG Sampling Batch Data Report (Attachment 1)	_____
2.	Independent Technical Reviewer (ITR) Review Checklist (Attachment2)	_____
3.	Chain of Custody/Canister Tag Forms (Attachment 1 from CCP-TP-093)	_____
4.	Copy of Canister Tags	_____
5.	Cleanliness Certification for needle assemblies as applicable to the Sampling Batch Data Report	_____
6.	Sample Container Data Form (Attachment 2 from CCP-TP-093)	_____
7.	Copy of Container Filter Vent Change Out Form (Attachment 1 of CCP-TP-082), if applicable.	_____
8.	Shipment Request Form, if applicable.	_____
9.	72-Hour Temperature Equilibration Plots	_____
10.	Copy of NCRs, if applicable	_____
11.	Copy of COA for FRS, if applicable	_____

Comments:

HSG Independent Technical Reviewer:

_____	_____	_____
Printed Name	Signature	Date

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist

HSG Sampling Batch Number: _____

Description	YES	NO	NA	Comments
1. Is the HSG Sampling BDR complete as specified in step 4.1.2 and are the field sampling records complete?				
2. Are calculations correct for the Container Age and temperature equilibrium time, and percent complete?				
3. Did the waste containers meet the Drum Age Criteria (DAC)?				
4. Did the waste containers meet the temperature equilibrium requirement (stored at 18°C or higher for 72-hours prior to sampling)?				
5. Do the temperature plots indicate the waste containers were stored at 18 °C (64.5 °F) or higher for 72-hours prior to sampling?				
5a. Are the waste stream IDs completed correctly on the Chain of Custody (COC) Form?				
6. Was a Field Duplicate collected once per batch?				
7. Was a Field Reference Sample (FRS) collected? NA if FRS previously demonstrated the quality assurance objective (QAO) and is no longer required.				
8. Was a Field Blank collected one per batch prior to sampling waste containers?				
9. Is the data technically reasonable based upon the technique used?				
10. Was the sampling equipment checked for leaks after sample collection?				
11. Was the data generation and reduction conducted in a technically correct manner?				
12. Was the data reported in proper units and with the correct number of significant figures?				
13. Were the samples maintained at a temperature between 0°C - 40°C?				

Attachment 2 – Independent Technical Reviewer (ITR) Review Checklist (Continued)

HSG Sampling Batch Number: _____

Raw Data Collection and Management	YES	NO	NA	Comments
14. Was the equipment involved in the sampling activities in calibration (i.e., torque wrenches, ambient temperature and pressure gauges, dataloggers, ultrasonic micrometer, min/max thermometers)?				
15. Are the sampling needle assemblies demonstrated to be clean?				
16. Has the data been reviewed for transcription errors?				
17. Was all signed and dated, and the data is recorded clearly, legibly, and accurately?				
18. Are there less than or equal to 20 waste containers in the batch excluding the quality control (QC) samples?				
19. Is the procedure number and revision correct?				
20. Were changes to original data lined out, initialed, and dated by the individual making the change, and a justification included? (NOTE: Original data must not be obliterated or otherwise disfigured as not to be readable. Data changes shall only be made by the individual who originally collected the data or an individual authorized to change the data.)				

Independent Technical Reviewer:

Printed Name _____ Signature _____ Date _____

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CCP-TP-113

Revision 18

CCP
Standard Contact-Handled Waste Visual Examination

EFFECTIVE DATE: 09/25/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	03/26/2004	Initial Issue.
1	04/02/2004	Incorporated Facility Oversight Review Committee Comment resolutions, from Los Alamos National Laboratory, into Sections 1.0, 2.0 and 4.0.
2	07/15/2004	Revised in response to CBFO CAR #04-026. The change in this document involved addition of a note for clarification and implementation on percent fill of a drum. As such, this change is data quality affecting.
3	01/25/2005	Made corrections to procedure per LANL, to comply with the MSA review.
4	12/22/2005	Revised Table 4 to add the weight of an 85- and 110-Gallon Drum as well as a 55-Gallon 12-mil. Plastic Bag. Revised responsibility for pagination of the BDR.
5	08/28/2006	Revised to address CAR LANL-0006-06.
6	11/16/2006	Revised to implement changes to the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/RH PMR.
7	03/19/2007	Revised to clarify notes and procedural steps. Revised to record Output Drum information in Section 4 of Attachment 1. Revised to record Waste Container ID on each page of Attachment 1.
8	09/04/2007	Revised to separate and clarify each Visual Examination (VE) process. Revised Attachment 1, CCP Waste Visual Examination Data Form and Attachment 2, CCP Waste VE Independent Technical Reviewer Checklist, to support the changes. Added new Section 4.11, Newly Generated Waste Container Data Submission, and Attachment 5, CCP Newly Generated Waste Container Data, to assist in container tracking. Incorporated additional editorial changes.
9	03/05/2008	Revised to add a step to Section 2.4 for use of Host site procedures for anomalous conditions. Attachment 1, Section 5, Prohibited Items revised to be consistent with Central Characterization Project (CCP) Nondestructive Examination (NDE) procedures and made additional editorial changes.

RECORD OF REVISION (Continued)

Revision Number	Date Approved	Description of Revision
10	07/09/2008	Revised to address U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) Corrective Action Request (CAR) Number CAR-08-021 and New Mexico Environmental Department (NMED) Observer Inquiry from Audit A-08-16. Also, revised to maintain control of internal package/items so that payload containers are surveyed at <200 millirem per hour (mrem/hr).
11	11/12/2008	Revised to incorporate concurrent use with CCP-TP-163, *CCP Standard Visual Examination of Records*.
12	12/01/2008	Minor revision to add notes for clarification of visual examination (VE) of record.
13	03/11/2009	Revised to address the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) Corrective Action Report (CAR) Number 09-015 and Environmental Protection Agency (EPA) Issue Numbers INL-CCP-RH-VE-T1-002CR, 003CR, and 007CR.
14	06/30/2010	Revised to incorporate modifications to Hazardous Waste Facility Permit. Revised to address CBFO Corrective Action Report (CAR) 10-019. Revised to address procedural steps, to accommodate the visual examination (VE) process for newly generated waste and to make additional editorial changes.
15	12/29/2010	Revised to clarify independent technical reviewer (ITR) independence.
16	04/25/2011	Revised to remove recording location and clarify transportation packaging requirements.
17	06/04/2013	Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.
18	09/25/2013	Revised to address Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 13-051.

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TABLE OF CONTENTS

1.0 PURPOSE 6
1.1 Scope 6

2.0 REQUIREMENTS 7
2.1 References 7
2.2 Training Requirements 7
2.3 Equipment List 7
2.4 Precautions and Limitations 7
2.5 Prerequisite Actions 8
2.6 Definitions 8

3.0 RESPONSIBILITIES 10
3.1 Site Project Manager (SPM) 10
3.2 Visual Examination Expert (VEE) 10
3.3 Visual Examination Operator (VEO) 10
3.4 Independent Technical Reviewer (ITR) 10
3.5 Vendor Project Manager (VPM) 10

4.0 PROCEDURE 11
4.1 General Information and Performance Checks 11
4.2 Previously Packaged Input Waste Container Preparation. 15
4.3 Output Waste Container Verification 16
4.4 Visual Examination (VE) 18
4.5 Container Lid Installation and Closure Verification 25
4.6 Batch Data Report Preparation 26
4.7 VE Independent Technical Review 27
4.8 Newly Generated Waste Container Data Submission 27

5.0 RECORDS 28

Controlled
Copy

LIST OF TABLES

Table 1. Prohibited Items 29
Table 2. Layers of Confinement 30
Table 3. Waste Material Parameters 31
Table 4. Waste Item Weights and Weighing Codes 32

LIST OF ATTACHMENTS

Attachment 1 – CCP Waste Visual Examination General Information Form 35
Attachment 2 – CCP Waste Visual Examination Data Form 36
Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist 41
Attachment 4 – CCP Waste VE Batch Data Report Table of Contents 43
Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet 44
Attachment 6 – CCP Newly Generated Waste Container Data 45

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1.0 PURPOSE

CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, Section C-3c, requires that containers be examined to verify the physical form of the waste and to identify items that are prohibited from disposal at the Waste Isolation Pilot Plant (WIPP). This procedure establishes how to perform visual examination (VE) of contact-handled (CH) transuranic (TRU) waste containers, which may include the removal of prohibited items; and how to prepare and review Batch Data Reports (BDRs) generated from the VE process. This procedure is designed to be accomplished in conjunction with Host site facility operating procedures that address the use of those facilities for VE. All Host site requirements for health, safety, and operations in the work place will be addressed in a Host site procedure.

1.1 Scope

This procedure applies to retrievably stored and newly generated S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris waste streams. VE will be used when necessary to examine a waste container to verify its physical form and to detect and remediate items that are prohibited from disposal at the WIPP.

VE cannot identify prohibited items imbedded in forms, such as S3000 and S4000, when the material is not removed from the characterized container.

VE may be performed on S3000 or S4000 when the material is not removed from the characterized container if Carlsbad Field Office (CBFO) approves the method for the specific waste form, typically from a surveillance.

There are two methods allowed for performing a VE process. Method 1 uses one VE Operator (VEO) with audio/video recording of the process, and Method 2 uses two VEOs (without audio/video recording of the process).

Full use of this procedure is **NOT** currently authorized at Los Alamos National Laboratory (LANL), in that processing of a prohibited item(s) found during VE of homogeneous solid waste containers is **NOT** authorized at this time.

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2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*

Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

2.3 Equipment List

2.3.1 Torque Wrenches

2.3.2 Certified VE Scale, as needed

2.3.3 Certified Container Scale

2.3.4 Certified Weights

2.4 Precautions and Limitations

2.4.1 Processing of prohibited item(s) found during VE of homogeneous solid waste containers is **NOT** authorized at LANL at this time.

2.4.2 Containers with a total dose rate >200 millirem per hour (mrem/hr) at surface SHALL **NOT** be processed under this procedure.

2.4.3 Host site procedures may be used in conjunction with this procedure in order to handle anomalous conditions, as necessary.

2.5 Prerequisite Actions

2.5.1 Prepare containers for VE in accordance with Host site procedures.

2.5.2 Ensure **NO** hold tags that would prevent the performance of VE are on the containers before proceeding.

2.5.3 Review the radiation levels of the containers before proceeding.

2.5.4 Ensure Method 1 or Method 2 for performing the VE has been determined by the Site Project Manager (SPM).

2.5.5 Ensure Input Waste Container(s) is on the Acceptable Knowledge (AK) Tracking Spreadsheet (if applicable).

2.5.6 For Newly Generated waste processing, confirm that waste is described in an approved AK Summary Report.

2.6 Definitions

2.6.1 **Calibration Due Date** – The date recorded on a tool's or scale's sticker/label that indicates the last date the tool or scale is in calibration.

2.6.2 **Method 1** – One VEO with audio/video recording of the process created during VE.

2.6.3 **Method 2** – Two VEOs (without audio/video recording of the process) performing VE. Each VEO shall observe for themselves the waste being placed in the waste container or the contents within the examined waste container when the waste is not removed.

2.6.4 **Outermost Container** – Outer container that holds waste at time of VE.

2.6.5 **Internal Container** – A container inside the outermost container examined during visual examination. Drum liners, liner bag, plastic bags used for contamination control, capillary-type labware, and debris not designed to hold liquid at the time of original waste packaging are not internal containers.

2.6.6 **Observable Liquid** – Liquid that is observable by a qualified operator performing VE of the waste.

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2.6.7 **Field Records** – Records which are generated in the field under adverse conditions (i.e., personnel are wearing Anti Cs), which need to be transcribed into a final format for legibility. Field records shall be obtained using the forms from this procedure to ensure the required information is obtained. The field record shall be signed and dated by the operator(s) performing the task. Field records that are transcribed will be included in the BDRs to ensure the absence of transcription errors.

2.6.8 **Tamper Indicating Device (TID)** – A device with a unique identifier that is used when a package is uncontrolled.

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3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Determines the use of Method 1 or Method 2 for performing a VE process.

3.2 Visual Examination Expert (VEE)

3.2.1 Responsible for the overall direction and implementation of the VE operations.

3.3 Visual Examination Operator (VEO)

3.3.1 Performs the VE.

3.3.2 Assembles, paginates, and reviews the BDR.

3.4 Independent Technical Reviewer (ITR)

NOTE

The Independent Technical Reviewer (ITR) will be someone, other than the VEO, who is qualified to have performed the work and who was not involved in the generation or recording of the data under review.

3.4.1 Reviews the BDR.

3.5 Vendor Project Manager (VPM)

3.5.1 Ensures the safe operation of the VE process.

3.5.2 Ensures all personnel maintain proficiency and identifies any additional training that may be required.

3.5.3 Coordinates remediation of prohibited items with the Host site.

3.5.4 Facilitates container tracking and management.

4.0 PROCEDURE

NOTE

Weights will be recorded in kilograms (kg) out to one tenth of a kg.

A Testing Batch includes all data pertaining to VE for up to 20 waste containers without regard to waste matrix.

If, during the performance of VE, multiple Input Waste Containers are used to produce an Output Waste Container or multiple Output Waste Containers are generated from an Input Waste Container, separate data sections shall be completed for each waste container, as applicable.

N/A shall be marked in all fields of the Attachments that are not applicable.

The sections of this procedure may be performed independently and concurrently to accommodate the VE process; however, the internal steps should be performed in order. The internal steps in this procedure may only be performed in a different order than specified when required by Host site facility-specific operation procedures or as otherwise directed in that section.

For VE of Newly Generated Waste, Section 4.2 is not performed.

Remediation of prohibited items (e.g., removal, absorption, etc.) may be performed in unison with Waste Material Parameter (WMP) identification (ID).

Prohibited items are listed in Table 1, Prohibited Items, are remediated per Host site procedures, as necessary.

Any liquid in non-transparent internal containers, detected from shaking the internal container, will be handled by assuming that the internal container is filled with liquid.

Data changes and requisite approvals SHALL be made by the individual or individuals who originally collected the data, **OR** by an equally-qualified individual or individuals authorized to change data.

VEO

4.1 General Information and Performance Checks

4.1.1 Record Batch Data Report No. on Attachment 1, CCP Waste Visual Examination General Information Form, and Attachment 2, CCP Waste Visual Examination Data Form, (xxVEzzyyyy - where xx is the Site Identifier [e.g., LA for LANL], zz is the VE area identifier, and yyyy is a sequential number for that site).

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[A] Record the following information on Attachment 1:

[A.1] Mark applicable VE process to be performed.

[A.2] Mark VE Method used.

[A.3] Site ID

[A.4] Examination Date

[A.5] Procedure No.

[A.6] Revision No.

4.1.2 Camera(s) Check (Method 1)

NOTE

If the VE continues for more than one day, a camera check will be conducted prior to continuing the VE for the new day. The results of the second camera check will be recorded on the audio/video media and noted in the Comments block on Attachment 1. The audio/video camera will be checked prior to each VE BDR to ensure proper operation of the camera. The test image segment SHALL remain intact without being erased or recorded over.

[A] **IF** audio/video recording will **NOT** be created,
THEN mark N/A on Attachment 1, **AND** GO TO step 4.1.3.

[B] Record the Date, Container ID Number(s), BDR Number, and the Audio/Video Media Recording Number on the Audio/Video Media Label.

[C] Ensure the audio/video media is at its beginning or at the point where recording was stopped the previous day.

[D] Start the camera(s).

[E] Record a test image and narrative.

[F] Review the test segment by playing the audio/video media, **AND** verify the image is in focus and the narration is clear.

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[G] Save the test recording (i.e., stop the audio/video media at the end of the playback).

[G.1] **IF** the results are UNSAT,
THEN notify the Visual Examination Expert (VEE) and Vendor Project Manager (VPM).

(a) **WHEN** the camera/audio/video media recording system is operational,
THEN repeat steps 4.1.2[D] through 4.1.2[H].

[H] Record the results of the camera/audio/video media recording check as SAT on Attachment 1.

4.1.3 Scale Operational Check

NOTE

If the VE continues for more than one day, a scale operational check will be conducted prior to continuing the VE for the new day. The results will be recorded in the Comments block on Attachment 1.

The VEE will determine when the VE Scale or the Container Scale will not be used. This section will be performed when scales are used in the performance of the VE process.

[A] VE Scale

[A.1] **IF** VE Scale is **NOT** used,
THEN mark N/A on Attachment 1, **AND** GO TO step 4.1.3[B].

[A.2] Start the camera(s) in the record mode for the Scale Operational Check, as applicable.

[A.3] Verbally record the Scale Serial/ID Number and the Calibration Due Date on the audio/video media, if in use, **AND** record the data on Attachment 1.

[A.4] Place test weight(s) on the scale to verify the scale's operability.

(a) **IF** the reading is within the scales calibration tolerance,
THEN record as SAT on Attachment 1.

(b) **IF** the reading is **NOT** within the scales calibration tolerance,
THEN STOP WORK, **AND** notify the VPM,
AND record as UNSAT on Attachment 1.

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[A.5] Record the following Test Weight Information data on Attachment 1:

(a) Test Weight Serial/ID Number and Calibration Due Date for each weight used.

(b) Test Weight Total placed on the scale.

(c) Tray Weight, as required.

[A.6] With the tray placed on the scale, set the Tare to zero, as required.

[B] Container Scale

[B.1] Record the Scale Serial/ID Number and the Calibration Due Date on Attachment 1.

[B.2] Perform an operational check of the scale as follows:

(a) Place a known check weight(s) on the scale, **AND** verify the scale reads within 1.0 percent of the check weight used.

(a.1) **IF** the scale reads within the operational range,
THEN record SAT on Attachment 1.

(a.2) **IF** the scale reads outside of the operational range,
THEN, SUSPEND WORK, **AND** notify the VPM **AND** record as UNSAT on Attachment 1.

4.1.4 Record the following on Attachment 1:

[A] Method 1

VEO 1

[A.1] Print name, sign, and date.

[A.2] Mark VEO 2 as N/A.

[B] Method 2

VEO 1

[B.1] Print name, sign, and date.

VEO 2

[B.2] Print name, sign, and date.

4.2 Previously Packaged Input Waste Container Preparation.

NOTE
Section 4.2 is not performed for VE of Newly Generated Waste.

4.2.1 Record the Input Waste Container ID in Section 1, Output Waste Container Data, of Attachment 2.

NOTE
When performing Method 1, audio/video media recording is created to document activities that manipulate waste during the VE. It is expected that recording will be halted whenever VE is suspended. If recording is suspended, the reason is verbally documented on the audio/video media.

4.2.2 Position the camera(s) to record the VE of the Input Waste Container and its contents, **AND** start the camera(s) (if using Method 1).

4.2.3 Record verbally the Input Waste Container ID (if using Method 1).

NOTE
The Radiological Control Technician (RCT) SHALL be present to conduct radiological surveys in accordance with the Host site Interface Document and Host site procedures.

4.2.4 Remove/verify removal of the input waste container lid in accordance with Host site procedures.

[A] **IF** a rigid liner lid is present, **AND** the rigid liner lid is **NOT** vented (>0.3 in.) or filtered,
SUSPEND WORK, **AND** notify the VPM

[B] Remove the rigid liner lid, if applicable, in accordance with Host site procedures.

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NOTE

VE on large or heavy packages/items SHALL be performed as they are removed from the container.

Waste from the Input Waste Container may be segregated for VE as determined by the VEO.

4.2.5 Remove/verify removal of the waste from the Input Waste Container, as appropriate.

4.2.6 Open/verify opening of waste package/items, as appropriate.

4.3 Output Waste Container Verification

4.3.1 Record the following data for the Output Waste Container in Section 1 of Attachment 2:

[A] Output Waste Container ID

[B] Waste Stream ID

[C] Container Type (e.g., 55-gallon drum)

[D] TRUCON Code

[E] Waste Matrix Code

[F] Audio/Video Media Recording Number (if applicable)

NOTE

The RCT SHALL be present to conduct radiological surveys in accordance with the Host site Interface Document and Host site procedures.

4.3.2 Perform the following, **AND** record the applicable data for the Output Waste Container in Section 1 of Attachment 2:

[A] Record Output Waste Container Tare Weight.

[B] Remove the container lid in accordance with Host site procedures, as applicable.

[C] **IF** a rigid liner is **NOT** present,
THEN perform the following:

[C.1] Record NO, Rigid Liner Present?

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[C.2] Record NO, Rigid Liner Lid Present?

[C.3] Record N/A, Rigid Liner Lid is Vented (>0.3 in.), Filtered, and Serial No.?

[C.4] GO TO step 4.3.2[G].

[D] **IF** a rigid liner is present,
THEN record YES, the Type of Liner, and Thickness.

[E] **IF** a rigid liner lid is NOT present,
THEN record NO **AND** perform the following**:**

[E.1] Record N/A, Rigid Liner Lid is Vented (>0.3 in.) or Filtered?

[E.2] GO TO step 4.3.2[G].

[F] **IF** a rigid liner lid is present,
THEN record YES, **AND** perform the following**:**

[F.1] **IF** the rigid liner lid is vented (punctured) **AND** the puncture is >0.3 inches,
THEN record Vented, **AND** measure and record the Hole Size.

[F.2] **IF** the rigid liner lid is filtered,
THEN record Filtered, **AND** the Model No. and Serial No.

[F.3] Remove the rigid liner lid, if applicable, in accordance with Host site procedures.

[G] **IF** a bag liner is used,
THEN record YES.

[H] **IF** NO bag liner is used,
THEN record NO.

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4.4 Visual Examination (VE)

NOTE

Steps 4.4.1 through 4.4.8 may be repeated, as necessary, until loading of the Output Waste Container is complete.

Waste container(s) SHALL be closed and have a TID applied when access to the container is uncontrolled.

A new Section 2 of Attachment 2 SHALL be used each time the waste container is opened, the TID is removed, and waste is added.

Steps 4.4.1 through 4.4.5 may be performed in any order to accommodate the process.

Individual package/item(s) may be inspected and have a Section 2 of Attachment 2 completed for each, prior to bag out. A TID may be applied to these package/item(s) for verification purposes.

4.4.1 **IF** a container TID is applied to the waste container,
THEN remove TID in accordance with Host site procedures, **AND** record Removed Container TID Number in Section 2 of Attachment 2, as required.

4.4.2 Remove lid in accordance with Host site procedures, as required.

4.4.3 Position that camera(s) to record the VE of the Output Waste Container and its contents, **AND** start the camera(s), as applicable.

4.4.4 Record verbally the Output Waste Container ID, as applicable.

NOTE

When performing Method 1, the camera(s) may require repositioning to record (audio/video) the weighing and final weight of each package from the container.

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NOTE

Potential hazardous wastes identified by visual examination include:

- Batteries
- Circuit Boards (may be contained in electrical equipment)
- Cathode Ray Tube (CRT)-based computer monitors or televisions
- Lead
- Mercury, mercury containing equipment (e.g., barometers, switches, thermometers, thermostats)
- Light Bulbs (both incandescent and fluorescent)

4.4.5 Examine the waste, **AND** record the applicable data in Section 2 of Attachment 2:

[A] Date.

[B] Record Package Number, as applicable.

[C] Record Package TID Number, as applicable.

NOTE

VEE will make determination on the disposition of waste > 200 mrem/hr at the surface.

[D] **IF** the waste is > 200 mrem/hr at the surface, **AND** is going to be placed into the Output Drum,
THEN perform the following:

(a) **WHEN** loading the waste,
THEN position as close as reasonably achievable to the side of the output container.

(b) **IF** the waste is a can with material in it,
THEN document it in the Comments block of Section 1 of Attachment 2.

[E] Record Waste Description.

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[F] Determine the contents by WMP category per Table 3, **AND** document as follows:

[F.1] Ensure that there are no prohibited items present in the waste package/item.

NOTE

WMP weight and the method used to determine the weight of the WMP from Table 4, Waste Item Weights and Weighing Codes, may be recorded in Steps 4.4.5[F.2] **OR** 4.4.9 **OR** 4.4.14[A] to accommodate the process.

[F.2] Weight of each WMP and the method used to determine the weight of the WMP from Table 4, as required.

[G] Place a TID on the package/item **AND** record the number, as required

[H] Place the package/item into the Output Waste Container as needed.

[I]

IF package/item(s) are not to be direct loaded,
THEN record the following in Section 2 of Attachment 2:

VEO 1

[I.1] Print name, sign, and date to annotate VE of package/item(s) is complete, **AND** NO Prohibited Items, listed in Table 1, are present.

(a) **IF** Method 1 is being performed,
THEN mark VEO 2 as N/A.

VEO 2

[I.2] **IF** Method 2 is being performed,
THEN print name, sign, and date to annotate VE of package/item(s) is complete, **AND** NO Prohibited Items, listed in Table 1, are present.

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4.4.6 **IF** loading an Output Waste Container(s) with package/items(s) that were previously inspected,
THEN obtain appropriate Section 2(s) for items being loaded **AND** verify the information recorded on the Section 2(s) matches the package/items.

[A] **IF** package/item information recorded DOES **NOT** match the package/item,
THEN SUSPEND work and notify VPM.

4.4.7 Record Output Waste Container ID in Section 2 of Attachment 2.

4.4.8 Place the package/item into the Output Waste Container, as needed.

4.4.9 Record the weight of each WMP and the method used to determine the weight of the WMP from Table 4 in Section 2 of Attachment 2, as required.

4.4.10 **IF** additional waste packages/item(s) are to be added at a later time and access to the waste container is going to be left uncontrolled,
THEN perform the following:

[A] Apply the container TID to the waste container in accordance with Host site procedures, **AND** record the applied TID Number on Section 2 of Attachment 2, as required.

VEO

4.4.11 **IF** loading an Output Waste Container(s) with package/item(s) that were previously inspected, AND the loading is completed for the day,
THEN record the following on Section 2 of Attachment 2:

VEO 1

[A.1] Print name, sign, and date to annotate loading of Output Waste Container is complete.

(a) **IF** Method 1 is being performed,
THEN mark VEO 2 as N/A.

VEO 2

[A.2] **IF** Method 2 is being performed,
THEN print name, sign and date.

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4.4.12 **WHEN** loading of the Output Waste Container is complete,
THEN perform the following:

[A] Paginate page(s) of Section 2 of Attachment 2.

[B] Record the data listed below for the Output Waste Container in Section 1 of Attachment 2 as follows:

NOTE

The Volume Utilization Percentage (VUP) of the container is based on the highest level of the bulk of the waste. Items (e.g., pipe, scrap angle, plastic bags) which protrude above the bulk of the waste are **NOT** to be included in the fill percent determination. The fill percent is to be recorded in five percent increments (e.g., 35%, 40%, 45%).

[B.1] Estimate the VUP.

[B.2] Record NO or YES, to indicate whether the waste is consistent with the assigned Waste Stream Description and Waste Matrix Code.

(a) **IF** NO,
THEN initiate a Nonconformance Report (NCR) in accordance with CCP-QP-005, **AND** record the NCR No. in Section 1 of Attachment 2.

[B.3] Record Closure Method for layers of confinement, if applicable (see Table 2, Layers of Confinement).

[B.4] Using Table 2, determine the number and record the Number of Layers of Confinement, as applicable.

[C] GO TO Section 4.5 for Output Waste Container Lid Installation and Closure Verification.

4.4.13 Apply the TID to the waste container **AND** record the applied TID Number on Section 2 of Attachment 2, as required.

4.4.14 Record the Gross Weight by weighing the Output Waste Container after it is released to be moved to its staging area, in Section 1 of Attachment 2.

[A] Record the weight of each WMP and the method used to determine the weight of the WMP from Table 4 in Section 2 of Attachment 2, as required.

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4.4.15 Perform the following, **AND** record the data in Section 3 of Attachment 2:

[A] Record Output container ID.

[B] Weigh or use Table 4 to estimate the weight of the Packaging Materials of the Output Waste Container, **AND** Total Packaging Weight.

[C] Weights of the WMPs by reviewing the WMPs listed in Section 2(s) of Attachment 2, **AND** combine all consistent WMPs.

[D] Total the WMPs, **AND** record the Total WMP Weight.

[E] Ensure the total of the WMP weights (Section 3, Attachment 2) is within five percent of the net weight of waste of the Output Waste Container obtained from subtracting the tare weight from the gross weight (Section 1, Attachment 2).

4.4.16 Record the following information in Section 4, Prohibited Item(s) Summary, of Attachment 2:

[A] Output Waste Container ID.

[B] **IF** Section 2(s) of Attachment 2 were completed for individual package/items(s),
THEN verify signatures in Section 2(s) of Attachment 2, answer questions in Section 4 of Attachment 2 NO **OR** NA, as applicable.

[C] **IF** packaged/item(s) were direct loaded into Output Waste Container,
THEN answer NO, YES, or N/A appropriately, to the questions in Section 4 with all explanations annotated in the Comments block of Section 4 of Attachment 2.

[C.1] **IF** YES is marked in Section 4,
THEN initiate an NCR in accordance with CCP-QP-005, **AND** record the NCR No. in Section 1 of Attachment 2.

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4.4.17 Determine (e.g., via Radiological Label or Dose Rate Survey) if the total dose rate of the waste container is >200 mrem/hr at the surface, **AND** record YES or NO in Section 1 of Attachment 2.

[A] **IF** the total dose rate is >200 mrem/hr at the surface, **THEN** initiate an NCR in accordance with CCP-QP-005, **AND** record NCR No. in Section 1 of Attachment 2.

4.4.18 STOP the camera(s) recording when VE is complete, as applicable.

4.4.19 Ensure YES or NO is recorded in Section 1 of Attachment 2 to indicate if any NCRs are associated with the applicable waste container.

[A] **IF** YES,
THEN ensure the appropriate NCR number(s) are recorded.

NOTE

All areas in the attachments that DO **NOT** have completed information SHALL be marked N/A.

4.4.20 Record the following in Section 5, Approvals, of Attachment 2:

[A] Method 1

VEO 1

[A.1] Print name, sign, and date to annotate that the VE process has been completed.

[A.2] Mark VEO 2 as N/A.

[A.3] Prepare two (2) audio/video media recordings.

[B] Method 2

VEO 1

[B.1] Print name, sign, and date to annotate that the VE process has been completed.

VEO 2

[B.2] Print name, sign, and date to annotate that the VE process has been completed.

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VEO

4.4.21 Affix new CCP Container Traveler(s) (Labels) to the Output Waste Container(s) in accordance with appropriate CCP Site Container Management procedure, as necessary.

4.4.22 **WHEN** all containers for a batch are complete,
THEN GO TO Section 4.6.

4.5 Container Lid Installation and Closure Verification

NOTE

Steps 4.5.1[A], [B], [C], [D], and [E] may be performed at any time during or after, Output Waste Container setup.

4.5.1 Perform the following, **AND** record the applicable data, for the Output Waste Container, in Section 1 of Attachment 2:

[A] Verify the Filter and Lid Ring/Bolt Torque Wrenches to be used are in calibration.

[B] Filter Torque Wrench Serial/ID Number and Calibration Due Date.

[C] Container Filter Model(s) and Serial Number(s).

[D] Ensure the filter is installed in accordance with the manufacturer's instructions.

[E] Torque the filter to the manufacturer's specifications, **AND** record the Torque Value.

[F] Ensure the container lid is installed in accordance with the manufacturer's instructions.

[G] Lid Ring/Bolt Torque Wrench Serial/ID Number and Calibration Due Date.

[H] Torque the Container Lid Ring/Bolt(s) to the manufacturer's specifications, **AND** record the Torque Value.

4.5.2 GO TO step 4.4.13 as applicable.

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VEO

4.6 Batch Data Report Preparation

4.6.1 Verify Field Records have been transcribed into the appropriate forms.

4.6.2 Assemble the following data for the BDR ensuring that the BDR number and, Examination Date, and Output Waste Container ID(s), as needed, are recorded on each Attachment:

[A] Attachment 5, CCP Waste VE Batch Data Report Cover Sheet

[B] Attachment 4, CCP Waste VE Batch Data Report Table of Contents

[C] Attachment 1, CCP Waste VE General Information Form

[D] Attachment 2, CCP Waste Visual Examination Data Form

[E] Attachment 3, CCP Waste VE Independent Technical Reviewer Checklist

[F] Copies of NCRs, if applicable

[G] Field Records, if applicable

4.6.3 Paginate the BDR.

4.6.4 Complete Attachment 4.

4.6.5 Forward the BDR package and the audio/video media, if applicable, to the ITR.

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4.7 VE Independent Technical Review

NOTE

The independent technical review is conducted by an individual who is qualified to have performed the initial work, but who is **NOT** directly responsible for performing the work. The ITR can **NOT** review his/her own work.

If any item on Attachment 3 is marked NO and the condition **CAN NOT** be mitigated, an NCR will be initiated, per CCP-QP-005, **AND** only as a single NCR that identifies all deficiencies.

Independent Technical Reviewer (ITR)

4.7.1 Review the BDR to the criteria in Attachment 3, **AND** document.

4.7.2 Items marked NO require explanation in the Comments block, **AND** items marked NA may require explanation in the Comments block, as necessary to clarify.

4.7.3 Print, sign, and date Attachment 3 and Attachment 5.

4.7.4 Submit the BDR and the audio/video media, if applicable, to CCP Records in accordance with CCP-QP-008, *CCP Records Management*.

4.8 Newly Generated Waste Container Data Submission

VPM/Designee

4.8.1 Complete Attachment 6, CCP Newly Generated Waste Container Data, for newly generated waste containers generated during the performance of VE for the BDR.

4.8.2 Print name, sign, and date Attachment 6.

4.8.3 Submit the Attachment 6 to CCP records in accordance with CCP-QP-008. Transmit a copy of Attachment 6 to the cognizant Acceptable Knowledge Expert (AKE).

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Batch Data Report (BDR)

[A.1] Attachment 1 – CCP Waste Visual Examination General Information Form

[A.2] Attachment 2 – CCP Waste Visual Examination Data Form

[A.3] Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist

[A.4] Attachment 4 – CCP Waste VE Batch Data Report Table of Contents

[A.5] Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet

[A.6] Copies of NCRs, if applicable

[A.7] Field Records, if applicable

[B] Attachment 6 – CCP Newly Generated Waste Container Data

5.1.2 QA/Nonpermanent

[A] Two (2) Audio/Video Media Recordings (VHS Tape or DVD), if applicable

Table 1. Prohibited Items

LIST OF PROHIBITED ITEMS
Liquid waste is not acceptable at WIPP - Observable liquid shall be no more than 1 percent by volume of the outermost container. - Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited. - Containers with Hazardous Waste Number U134 assigned shall have no observable liquid. - Overpacking the outermost container that was examined or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits.
Non-Radionuclide Pyrophorics
Non-mixed hazardous waste
Incompatible wastes (Wastes that are incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, and/or other wastes.)
Explosives
Compressed Gases/Pressurized containers (e.g., aerosol cans)
Polychlorinated Biphenyl (PCB) Liquids
Ignitables
Corrosives
Reactive waste
Sealed containers greater than 4 liters
Heat-sealed bags (unvented) with a surface area <390 square inches
Sharp or heavy objects (Large, bulky dense objects with sharp and obtrusive members or components with dispersible Form 1 and 2) (e.g., steel or concrete boxes, steel plate, electric motors, steel pipe, or concrete blocks) not adequately blocked, braced, or packaged.
Waste that has ever been managed as high-level waste and waste from tanks specified in Table C-8 of CCP-PO-001.

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Table 2. Layers of Confinement

Container [a]		Plastic Bags		Metal Cans	
Twist and Tape	CTT/STT	Twist and Tape	TT	Sealed	C
Fold and Tape	CFT/SFT	Fold and Tape	FT		
Other Closure	COC/SOC	Other Closure	OC		
Vented	(add) F	Vented	(add) F	Vented	(add) F

[a] Container: "C" - Container
"S" - Standard Waste Box (SWB)

Liner lids and packaging layers are distinguished as follows:

Layers of confinement are defined, per Section 3.8 of the CH-TRU Payload Appendices, as any boundary that restricts, but does not prohibit, the release of hydrogen gas across the boundary.

Examples of confinement layers are plastic bags (smaller inner bags or larger container liner bags) with the allowable closure methods described below and metal containers fitted with filter vents.

- Fold and tape closure
- Twist and tape closure
- Heat-seal closure or twist and tape closure with a minimum of one filter vent

NOTE

Punctured plastic bags, liner bags open at the end, pieces of plastic sheeting wrapped around the waste for handling, and metal containers with lid closures that allow free hydrogen release are not considered as confinement layers.

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Table 3. Waste Material Parameters

Waste Material Parameter	Description
Iron-based metals/alloys (IM)	Iron and steel alloys in the waste; does not include the waste container materials
Aluminum-based metals/alloys (AM)	Aluminum or aluminum-based alloys in the waste materials
Other metals (OM)	All other metals found in the waste materials
Other inorganic materials (OI)	Nonmetallic inorganic waste, including concrete, glass, firebrick, ceramics, sand, and inorganic sorbents
Cellulosics (C)	Materials generally derived from high polymer plant carbohydrates (e.g., paper, cardboard, wood, cloth)
Rubber (R)	Natural or man-made elastic Latex materials (e.g., surgeon's gloves, leaded rubber gloves)
Plastics (waste materials) (PW)	Generally man-made materials, often derived from petroleum feedstock (e.g., polyethylene, polyvinylchloride)
Organic matrix (OR)	Cemented organic resins, solidified organic liquids, and sludges
Inorganic matrix (IN)	Any homogeneous materials consisting of sludge, or aqueous-based liquids which are solidified with cement, calcium silicate, or other solidification agents (e.g., waste water treatment sludge, cemented aqueous liquids, and inorganic particulate)
Soils (S)	Generally consists of naturally occurring soils which have been contaminated with inorganic waste materials
Steel (packaging materials) (ST)	Container (e.g., 208-liter [55-gal.] drums)
Plastics (packaging materials) (PP)	Liner (e.g., 90-mil polyethylene drum liner and plastic bags)

Table 4. Waste Item Weights and Weighing Codes Page 1 of 3

ITEM	WEIGHT
3" Roll of Duct Tape	0.7 kg
3" Roll of Masking Tape	0.4 kg
10’ Tape Measure	0.1 kg
Channel Lock Pliers	0.3 kg
Crescent Wrench	0.2 kg
Flashlight With Batteries	0.5 kg
Flashlight Without Batteries	0.1 kg
Flat File	0.4 kg
Hacksaw With Blade	0.5 kg
Hammer	0.6 kg
Large Open-End Wrench	0.5 kg
Razor Knife	0.1kg
Scissors	0.2 kg
Vice Grip Pliers	0.5 kg
Welder’s Chipping Hammer	0.4 kg
Wire Brush	0.1 kg
Wooden Folding Ruler	0.2 kg
Wooden Wedge	0.2 kg
13 oz. Aerosol Can ¼ Full	0.2 kg
17 oz. Aerosol Can Full of Liquid	0.5 kg
17" Section of 1" Electrical Conduit	0.5 kg
17" Section of 1" Sch 40 S/s Pipe	1.1 kg
2’ X 4’ Board 20" long	0.7 kg
Empty 2-Gallon Car-boy	0.7 kg
Empty 6-Gallon Car-boy	2.0 kg
Empty POC (Black Poly Liner)	154.2 kg
Empty POC (White Poly Liner)	145.1 kg
Empty SWB	290.3 kg
2-Gallon Car-boy ½ Full of Water	5.8 kg
6-Gallon Car-boy ½ Full of Water	14.0 kg
5-Gallon Metal Bucket	1.3 kg
Metal Can	0.2 kg
Metal Can (for salt wastes)	1.1 kg
Aluminum Sphincter Can	0.2 kg
Sand Bag ½ Full of Gravel	12.7 kg
Plastic Bag for Waste	0.6 kg
Liner Bags – Large	0.5 kg
Rad Bags – Medium and Small	0.1 kg
55-Gallon 10-mil Plastic Bag (each)	1.8 kg
55-Gallon 5-mil Plastic Bag (each)	0.3 kg
55-Gallon 12-mil Plastic Bag (each)	2.1 kg
O-ring Plastic Bag (e.g., sludge, organic setups)	9.0 kg

Table 4. Waste Item Weights and Weighing Codes (Continued) Page 2 of 3

ITEM	WEIGHT
55-Gallon Drum PVC O-ring Bag (60.96 x 213.36 cm)	22.0 kg
55-Gallon Fiberboard Disk	48.0 kg
55-Gallon Drum Round Bottom 10-mil Liner	9.0 kg
(White) 55-Gallon Drum 90-mil Rigid Liner No Lid, used at LANL	4.3 kg
55-Gallon Drum 110-mil Rigid Liner	7.6 kg
(Black) 55-Gallon Drum 125-mil Rigid Liner No Lid, used at LANL	7.6 kg
55-Gallon Drum Poly Liner (122 x 122 x 213 cm)	12.0 kg
55-Gallon Cardboard Liner (graphite mold waste)	9.0 kg
55-Gallon Fiberboard Drum Liner (122 x 122 x 213 cm)	9.0 kg
55-Gallon Lead Liner, 180 cm long, 0.16 cm thick	23.0 kg
55-Gallon Lead Liner, 180 cm long, 0.32 cm thick	46.0 kg
Fiber Pack	13.0 kg
Fiber Pack Lead-Lined	66.0 kg
HEPA Filter (8 x 8 3-1/16)	1.0 kg
HEPA Filter (8 x 8 x 5-7/8)	1.9 kg
HEPA Filter (12 x 12 x 5-7/8)	2.5 kg
Lead Brick (5.1 x 10 x 20 cm)	12.0 kg
Oil-Dry	0.4 kg/liter
Vermiculite	0.1 kg/liter
Poly Bottles (1 gallon)	2.2 kg
Poly Bottles (1 liter)	0.5 kg
Setup Portland Cement	1.1 kg/liter
Uncured Portland Cement	2.9 kg/liter
Leaded Glovebox Glove	0.8 kg
Leaded Rubber Glove	2.5 kg
Leaded Rubber Glove	12.0 kg
Leaded Rubber Apron	2.4 kg
Leaded Rubber Apron	11.5 kg
Coveralls	0.9 kg
25’ Plastic Suit Hose	2.3 kg
50’ Plastic Suit Hose	5.0 kg
Plastic Suit Top and Pants	2.3 kg
55-Gallon Drum (painted – tan or white)	27.7 kg
55-Gallon Drum (painted – mustard yellow)	24.0 kg
55-Gallon Drum (painted – green)	30.0 kg
55-Gallon Drum (painted – grey)	26.3 kg
55-Gallon Drum (galvanized)	29.0 kg
85-Gallon Drum (painted)	37.2 kg

Table 4. Waste Item Weights and Weighing Codes (Continued) Page 3 of 3

ITEM	WEIGHT
Item Description (1 lb = 0.454 kgs) (All containers are 55-gal drums, unless otherwise noted	
110-Gallon Drum (painted)	45.0 kg
Lead-Lined Drum (1/16" thick, 28" high by 72" long)	22.7 kg
Lead-Lined Drum (1/8" thick, 28" high by 72" long) (.4 lb/in.^{3})	45.4 kg
Galvanized DOT 17C (Dull Finish) [Drum Bottom Labels 00040-00705]	31.7 kg
Galvanized (Shiny Drum and Lid Finish) [Drum Bottom Labels 01391 - 01568]	24.2 kg
Hanford Galvanized (Speckled Dull Finish - UNA1A2) [Drum Bottom Labels 00754 - 00933]	30.0 kg
Myers Galvanized (Shiny Finish - Labeled G5501) [Drum Bottom Labels 01200 - 01384]	22.7 kg
Myers Galvanized (Shiny Drum/Shiny Speckled Lid - Labeled G5501) [Drum Bottom Labels 00950 - 01150]	24.0 kg
Myers Yellow Painted	21.5 kg
Rocky Flats White Painted	27.2 kg
Black 90-mil Slip Fit Lid	7.4 kg
Black 110-mil Inner Lid	7.7 kg
Black 110-mil Beveled Top	7.4 kg
White 90-mil Slip Fit Lid	7.5 kg
125-mil Rigid Liner Lid	1.3 kg
B251 Bag - Tare Weight	0.1 kg
55-Gallon Fiberboard Liner (90 Mil)	3.7 kg
5-Gallon drum (LANL)	2.3 kg
7-Gallon drum (LANL)	2.8 kg
10-Gallon drum (LANL)	7.5 kg
30-Gallon drum (LANL)	16.4 kg

Weighing Notes and Codes	
[a] Record weights in kg out to one-tenth of a kg.	
[b] Method of Weighing Codes:	
E	Estimated by Operator.
W	Weight measured by the Operator.

Attachment 1 – CCP Waste Visual Examination General Information Form

Batch Data Report No.:_____

☐ VE for Previously Packaged Waste ☐ VE for Newly Generated Waste	
☐ Method 1 ☐ Method 2	
Site ID:	
Examination Date:	
Procedure No.:	Revision No.:
Camera/Audio/Video Media Recording Check: ☐ N/A	☐ SAT
VE Scale Information: ☐ N/A	Serial/ID Number: Calibration Due Date: Operational Check: ☐ SAT ☐ UNSAT
Test Weight Information Test Weight Total: kg. Tray Weight: kg.	Serial/ID Number: Calibration Due Date: Serial/ID Number: Calibration Due Date: Serial/ID Number: Calibration Due Date:
Container Scale Information:	Serial/ID Number: Calibration Due Date: Operational Check: ☐ SAT ☐ UNSAT
Comments:	

Visual Examination Operator 1:		
Print Name	Signature	Date
Visual Examination Operator 2:		
Print Name	Signature	Date

Attachment 2 – CCP Waste Visual Examination Data Form Page 1 of 5

Batch Data Report No.:_____

Section 1: Output Waste Container Data		
Input Waste Container ID, as applicable:		
Output Waste Container ID:	Waste Stream ID:	
Container Type:	TRUCON Code:	Waste Matrix Code:
Audio/Video Media Recording Number: ☐ N/A		
Waste Container Weights: Tare Wt: kg.	Gross Wt: kg.	
Rigid Liner Present? ☐ NO ☐ YES Type of Liner: ☐ Lead ☐ Plastic ☐ Fiberboard ☐ Other: Thickness: ☐ 30-mil ☐ 90-mil ☐ 110-mil ☐125-mil	Rigid Liner Lid Present? ☐ NO ☐ YES Rigid Liner Lid is Vented (>0.3 in.) or Filtered? ☐ NO ☐ YES ☐ N/A ☐ Vented: Hole Size: ☐ N/A ☐ Filtered: Model No.: ☐ N/A Serial No.: ☐ N/A	
Bag Liner Present? ☐ NO ☐ YES	Volume Utilization Percentage: %	
Does the physical form of the waste match the Waste Stream Description (i.e., Homogeneous Solids, Soil/Gravel, or Debris Waste [including uncategorized metals])? ☐ NO ☐ YES		
Does the physical form of the waste match the Waste Matrix Code? ☐ NO ☐ YES		
Closure Method: Number of Layers of Confinement:		
<u>Filter Torque Wrench</u> Serial/ID No.: Calibration Due Date: Filter: Model No.: Serial No.: Torque Value:	<u>Lid Ring/Bolt Torque Wrench</u> Serial/ID No.: Calibration Due Date: Lid Ring/Bolt Torque Value:	
Is total dose rate greater than 200mrem/hr? ☐ NO ☐ YES		
NCR(s) associated with the output container? ☐ NO ☐ YES NCR No.:_____ NCR No.:_____		
Comments:		

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 2 of 5

Batch Data Report No.:_____ **Date:**_____

Section 2: Waste Package Data				
Package and Package TID Number (as applicable)	Waste Description	WMP [Table 3]	Weight (kg) [Table 4,[a]]	Weighing Code(s) [Table 4[b]]

_____ _____ _____
VEO 1: Print Name Signature Date

_____ _____ _____
VEO 2: Print Name Signature Date

Signatures annotate the absence of prohibited items.

Output Waste Container ID:_____

TID Removed:_____ **TID Applied:**_____

_____ _____ _____
VEO 1: Print Name Signature Date

_____ _____ _____
VEO 2: Print Name Signature Date

Signatures of VEO's verifying the loading of the Output Waste Container.

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Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 3 of 5

Batch Data Report No.:_____

Output Waste Container ID:_____

Section 3: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	
Plastics (PP):	
Others:	
Total Packaging Weight:	
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal/Alloys (IM):	
Aluminum-based Metals/Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (PW):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	
Soils (S):	
Total WMP Weight:	

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 4 of 5

Batch Data Report No.:_____ Output Waste Container ID:_____

Section 4: Prohibited Item(s) Summary (Questions answered "YES" will be explained in the Comments block)		
	Yes	No
Is there any observable liquid in internal containers, that is more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☐
Is the total volume of observable liquid in the outermost container **GREATER** than 1% of the container?	☐	☐
Is there detectable observable liquid in outermost containers with an EPA Hazardous Waste Number of U134?	☐	☐
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☐
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☐
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does **NOT** match TRUCON Code[s])?	☐	☐
Is there an indication of wastes containing explosives or compressed gases?	☐	☐
Is there PCB liquids present?	☐	☐
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☐
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☐
TRUPACT II Criteria		
Are there heat-sealed bags (unvented) **GREATER** than 4 liters and LESS than 390 square inches in the waste?	☐	☐
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☐
Are there sealed containers **GREATER** than 4 liters?	☐	☐
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☐

Attachment 2 – CCP Waste Visual Examination Data Form (continued) Page 5 of 5

Batch Data Report No.:_____ Output Waste Container ID:_____

Section 4: Prohibited Item(s) Summary (Continued)

(Questions answered "YES" will be explained in the Comments block)

Comments:

Section 5: Approvals

Visual Examination Operator 1:

Print Name	Signature	Date

Visual Examination Operator 2:

Print Name	Signature	Date

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Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist

Batch Data Report No.:_____ Page 1 of 2

Description			
1. Data generation and reduction were conducted in a technically correct manner in accordance with the methods used?	☐ NO	☐ YES	☐ N/A
2. Was the correct revision of operating procedure used?	☐ NO	☐ YES	☐ N/A
3. Are the waste material parameters (WMPs) entered correctly?	☐ NO	☐ YES	☐ N/A
4. Verify the hand calculations on the VE Data Form for the following:			
a. WMP weight totals	☐ NO	☐ YES	☐ N/A
b. Weight totals	☐ NO	☐ YES	☐ N/A
c. Summed volume of observable liquid, as necessary	☐ NO	☐ YES	☐ N/A
d. The total of the WMP weights is within 5% of the net weight of waste of the Output Waste Container obtained from subtracting the tare weight from the gross weight.	☐ NO	☐ YES	☐ N/A
5. Is the data reported in the correct units and correct number of significant figures?	☐ NO	☐ YES	☐ N/A
6. Has the data been reviewed for transcription errors?	☐ NO	☐ YES	☐ N/A
7. Does the Testing Batch Report include VE for up to 20 containers?	☐ NO	☐ YES	☐ N/A
8. BDR contents are complete and match the CCP Waste VE Batch Data Report Table of Contents?	☐ NO	☐ YES	☐ N/A
9. Is all the data signed and dated in reproducible ink and by the individual(s) generating it?	☐ NO	☐ YES	☐ N/A
10. Is all data recorded clearly, legibly, and accurately?	☐ NO	☐ YES	☐ N/A
11. All changes to original data lined out, initialed and dated by the individual making the changes?	☐ NO	☐ YES	☐ N/A
12. Were data changes made by the individual who originally collected the data or an equally qualified individual?	☐ NO	☐ YES	☐ N/A
13. Did the physical form of the waste match the Waste Matrix Code and Waste Stream Description?	☐ NO	☐ YES	☐ N/A

Attachment 3 – CCP Waste VE Independent Technical Reviewer Checklist (continued)

Batch Data Report No.: _____ Page 2 of 2

Description			
14. Was the waste in the Output Waste Container(s) examined for prohibited items?	☐ NO	☐ YES	☐ N/A
15. Is there an adequate written description of the contents of each item?	☐ NO	☐ YES	☐ N/A
16. Were the scale(s) in calibration prior to the VE and documented correctly?	☐ NO	☐ YES	☐ N/A
17. Were the scale checks SAT prior to the VE and documented correctly?	☐ NO	☐ YES	☐ N/A
18. Was the audio/video media recording properly prepared and labeled for each waste container?	☐ NO	☐ YES	☐ N/A
19. Was the audio/video media recording check performed satisfactorily prior to the VE?	☐ NO	☐ YES	☐ N/A
20. Precision: Was precision maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases?	☐ NO	☐ YES	☐ N/A
21. Accuracy: Was accuracy maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification and subsequent requalification (operators on LOQI)?	☐ NO	☐ YES	☐ N/A
22. Completeness: Is there a completed VE data form for each waste container in the BDR?	☐ NO	☐ YES	☐ N/A
23. Were NCRs initiated as required?	☐ NO	☐ YES	☐ N/A
Comments:			
I have reviewed 100 percent of the container-specific and batch data in this report and find it acceptable. Independent Technical Reviewer: _____ _____ _____ Printed Name Signature Date			

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Attachment 4 – CCP Waste VE Batch Data Report Table of Contents

Batch Data Report No.: _____ Examination Date: _____

Table of Contents		
Item	Description	Page No.
1	CCP Waste VE Batch Data Report Cover Sheet	
2	CCP Waste VE Batch Data Report Table of Contents	
3	CCP Waste Visual Examination General Information Form	
4	CCP Waste Visual Examination Data Forms	
5	CCP Waste VE Independent Technical Reviewer Checklist	
6	Copy of NCRs (N/A, If Not Applicable)	
7	Field Records (N/A, If Not Applicable)	

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Attachment 5 – CCP Waste VE Batch Data Report Cover Sheet

Batch Data Report No.: _____ Examination Date: _____

	Waste Container ID Number:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
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14	
15	
16	
17	
18	
19	
20	

Independent Technical Reviewer:

_____	_____	_____
Print Name	Signature	Date

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Attachment 6 – CCP Newly Generated Waste Container Data

Batch Data Report No.: _____ Examination Date: _____

Container ID	Waste Stream ID	Generation Date	Closure Date	Vent Date	Container Type

VPM/Designee:

_____ _____ _____
Print Name Signature Date

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CCP-TP-120

Revision 16

CCP
Container Management

EFFECTIVE DATE: 06/18/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	11/25/2003	Initial Issue.
1	03/26/2004	Incorporated CBFO Comment Resolutions: Revised step 4.1.5, inserted step 4.1.6 for VPM review and approval of Attachment 3, and inserted a VPM signature line on Attachment 3. Inserted step 3.7, VE Operator responsibilities into Section 3.0. Updated Sections 3.0, 4.0 and Attachments 1 and 2 for the container processes.
2	09/16/2005	Revised to address identification and control of filters installed in waste drums, formalize the inspections of drums as part of pre-screening activities, and to ensure proper checks are performed at the various processing areas.
3	03/31/2006	Revised to clarify filter inspections and add Visual Examination (VE) Random Selection responsibilities.
4	08/10/2006	Changes as a result of CAR-LANL-0006-06.
5	09/20/2006	Revised in response to CAR No.: 06-037.
6	02/09/2007	Revised to change method of container filter selection.
7	03/06/2007	Revised Section 4.4, and added new Section 4.5 for the Flammable Gas Analysis (FGA) process.
8	05/04/2007	Revised to separate Headspace Gas (HSG) from Flammable Gas Analysis (FGA) processing and tracking on the traveler.
9	07/16/2007	Revised to allow Visual Examination (VE) of Newly Generated Waste Containers not on the Acceptable Knowledge (AK) Tracking Spreadsheet.
10	10/11/2007	Revised to clarify that VE of Newly Generated Waste Containers at LANL is not an approved, certified process and the appropriate controls for such containers.
11	01/08/2008	Revised to clarify container inspection steps.
12	06/23/2008	Revised to clarify additional requirements for the use of Vendor Project Manager (VPM) Administrative Hold Indicators. Provided clarification in Section 4.1 of Operational Scale Checks, and made editorial changes.

RECORD OF REVISION (CONTINUED)

Revision Number	Date Approved	Description of Revision
13	09/21/2009	Revised to remove Vendor Project Manager (VPM) Administrative Hold controls on Visual Examination (VE) of newly generated waste containers as it is now a certified process at Los Alamos National Laboratory (LANL).
14	02/10/2010	Revised in response to Corrective Action Report (CAR)-Los Alamos National Laboratory (LANL)-0006-09 and to clarify when a waste container must be put through container management.
15	02/11/2013	Revised to require that the Vendor Project Manager (VPM) notify the Site Project Manager (SPM) when VPM Administrative Hold Indicators are being hung on containers in response to CAR-SRS-0002-12.
16	06/18/2013	Revised to incorporate the Class 2 permit modification approved by New Mexico Environment Department (NMED) on March 13, 2013.

TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Precautions and Limitations 6
2.5 Prerequisite Actions 6

3.0 RESPONSIBILITIES 7
3.1 VPM/Waste Handler/Designee 7
3.2 Site Project Manager (SPM) 7
3.3 Nondestructive Examination (NDE) Operator 7
3.4 Nondestructive Assay (NDA) Operator 7
3.5 Flammable Gas Analysis (FGA) Operator 8
3.6 Visual Examination (VE) Operator 8
3.7 Facility Records Custodian 8

4.0 PROCEDURE 9
4.1 Container Inspection, Weighing, and Scale Operational Check 9
4.2 NDE Process 14
4.3 NDA Process 15
4.4 Flammable Gas Analysis (FGA) Process 17
4.5 VE Process 17

5.0 RECORDS 20

LIST OF ATTACHMENTS

Attachment 1 – CCP Container Traveler (Label) (EXAMPLE) 21
Attachment 2 – Container Inspection Report 22
Attachment 3 – CCP Scale Operational Check and Container Weight Information 23
Attachment 4 – Structural Integrity and Distortion Inspections Criteria 24

1.0 PURPOSE

This procedure describes and implements the Central Characterization Program (CCP) management control and tracking of transuranic (TRU) waste containers during the characterization process.

1.1 Scope

This procedure applies to personnel who support CCP TRU waste characterization activities at the Los Alamos National Laboratory (LANL). The Host site may use their procedures for container movement and handling. Container tracking and management through CCP activities will be conducted using this procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*

Referenced Documents

- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-082, *CCP Waste Container Filter Vent Operation*

2.2 Training Requirements

2.2.1 None.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 If steps in the procedure CAN **NOT** be completed, then work must be STOPPED, equipment placed in a safe configuration, and the Vendor Project Manager (VPM)/Designee notified.

2.4.2 Workers who will be working in a radiation area must have read and signed that they understand the applicable Radiation Work Permit.

2.5 Prerequisite Actions

2.5.1 None.

3.0 RESPONSIBILITIES

NOTE

The CCP Container Traveler (Label) (see Attachment 1, CCP Container Traveler [Label], for an example) is a label which will be affixed to the container. The CCP Container Traveler (Label) will contain a minimum of the following information when completed: Container Identification (ID), Waste Stream ID, Gross Weight, Nondestructive Examination (NDE), Nondestructive Assay (NDA), and Flammable Gas Analysis (FGA) Completion Date.

3.1 VPM/Waste Handler/Designee

3.1.1 Ensure containers meet the safety requirements throughout the characterization process.

3.1.2 Schedules and Coordinates movement of containers to/from the characterization units and container staging/storage areas.

3.1.3 Assists with the segregation of deficient containers.

3.1.4 Ensures CCP HOLD TAGs are attached to identify waste containers.

3.2 Site Project Manager (SPM)

3.2.1 Ensures containers with VPM administrative hold tags are controlled electronically.

3.3 Nondestructive Examination (NDE) Operator

3.3.1 Records and updates the applicable NDE information on the CCP Container Traveler (Label).

3.3.2 Provides the container processing information (Container ID Number, Batch Data Report [BDR] Number, Nonconformance Report [NCR] Number if applicable, and reason for NCR) to the VPM/Designee.

3.4 Nondestructive Assay (NDA) Operator

3.4.1 Records and updates the applicable NDA information on the CCP Container Traveler (Label).

3.5 Flammable Gas Analysis (FGA) Operator

3.5.1 Records and updates the applicable FGA information on the CCP Container Traveler (Label).

3.6 Visual Examination (VE) Operator

3.6.1 Affixes, records and updates CCP Container Traveler (Label).

3.7 Facility Records Custodian

3.7.1 Receives, processes, and transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

4.0 PROCEDURE

NOTE

Within the constraints of this procedure and in order to meet operational needs, the VPM/Designee may redirect drums as required to allow for process efficiencies or corrective action for nonconforming conditions. The CCP Container Traveler (Label) serves as the container status indicator throughout characterization activities.

NOTE

VPM Administrative Hold Indicators are affixed to containers for various administrative reasons throughout this procedure. When a VPM Administrative Hold Indicator is applied to a container(s), the SPM must be notified and will determine if an NCR needs to be generated.

NOTE

If an NCR (CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control,* Attachment 1, CCP Nonconformance Report [NCR]) is initiated at anytime in the Process (from the initial introduction of the container, into the Process, to shipment of the container to the Waste Isolation Pilot Plant [WIPP]), the affected container(s) shall have a CCP HOLD TAG applied and be physically segregated if practical. Normally, the container may continue through the characterization process. If this is **NOT** the case, limitations or actions required in the approved NCR disposition shall be included on the HOLD TAG. In NO case, shall the container proceed to shipment until the NCR disposition is complete.

NOTE

NO container may be processed without a completed container integrity inspection.

NOTE

Sections 4.1 through 4.5 may be performed independently.

4.1 Container Inspection, Weighing, and Scale Operational Check

NOTE

The inspection criteria in Attachment 2, Container Inspection Report are used to determine if the container can be safely handled. Containers that DO **NOT** meet container integrity requirements and are **NOT** safe to handle shall be returned to the Host site.

NOTE
Step 4.1.1 through step 4.1.6 SHALL be performed for each container.

NOTE
Off-Site Source Recovery Project (OSRP) containers are packaged off-site and shipped to LANL. When the containers are received, they will be weighed and inspected prior to being added to the AK Tracking Spreadsheet.

NOTE
Newly generated waste containers may go through VE prior to being added to the AK Tracking Spreadsheet. Container integrity inspections, weighing, and CCP Container Traveler (Label) application will be performed at that time. Container information collected during the VE will be forwarded to the VPM/Designee for addition to the AK Tracking Spreadsheet. Containers should not go through further certified processes until the container has been added to the AK Tracking Spreadsheet.

VPM/Waste Handlers/Designee

4.1.1 Verify containers have a Container ID Number and Waste Stream ID, **AND** are on the AK Tracking Spreadsheet, which is available at https://sftp.wipp.energy.gov.

[A] **IF** containers are **NOT** on the AK Tracking Spreadsheet **AND** are OSRP containers,
THEN attach a VPM Administrative Hold Indicator to the CCP Container Traveler (Label) when it is applied.

[B] **IF** containers are newly generated, **AND** VE has been performed,
THEN Section 4.1 may be performed prior to the container being added to the AK Tracking Spreadsheet.

NOTE
Steps 4.1.2[B] and 4.1.2[D] may be performed simultaneously.

Steps 4.1.3 and 4.1.4 may be performed at any time between Steps 4.1.1 and 4.1.7

4.1.2 Perform the following and document results on Attachment 2.

[A] Verify Container ID Number.

[B] Perform Structural Integrity and Distortion Inspection per Attachment 4, Structural Integrity and Distortion Inspections Criteria.

[B.1] **IF** container meets inspection criteria,
THEN mark SAT.

[B.2] **IF** container does not meet inspection criteria,
THEN mark UNSAT, **AND** DO **NOT** accept the container.

[C] Verify the container is safe to handle.

[C.1] **IF** the container is safe to handle,
THEN mark YES.

[C.2] **IF** the container is unsafe to handle,
THEN mark NO, DO **NOT** accept the container,
AND return the container to the Host site.

[D] Inspect each container for a completed radiological label/tag, **AND** ensure the completed radiological label/tag is legible and records a radiation dose equivalent rate of less than 200 mrem/hr at surface.

[D.1] **IF** incomplete **OR** NO radiological label/tag is attached to the container,
THEN STOP WORK on container, **AND** request a Radiological Control Technician to perform survey.

[D.2] **IF** completed radiological label/tag reports greater than or equal to 200 mrem/hr at surface,
THEN mark UNSAT, STOP WORK on the container,
AND notify VPM/Designee.

[D.3] **IF** completed radiological label/tag reports less than 200 mrem/hr at surface,
THEN mark SAT.

4.1.3 Initiate the CCP Container Traveler (Label) for each waste container, record the Container ID and Waste Stream ID **OR** OSRP (in place of Waste Stream ID), **AND** initial and date.

4.1.4 Attach the CCP Container Traveler (Label) to the top of the waste container.

4.1.5 Perform container filter inspection, as follows:

[A] Verify manufacture ID, **AND** record on Attachment 2.

[B] Verify filter model number as follows, **AND** record on Attachment 2.

[B.1] Verify the model number is clearly marked on the filter and the model number is on the Carlsbad Field Office (CBFO)-approved filter list at www.wipp.energy.gov/ntpxport

[B.2] **IF** the model number is **NOT** clearly marked on the filter,
THEN verify the filter is a Nucfil Model 013, 072, or 073, as provided in training materials.

[B.3] **IF** the model number is **NOT** on the CBFO-approved list,
THEN schedule the waste container for a filter changeout in accordance with CCP-TP-082, *CCP Waste Container Filter Vent Operation.*

(a) **AFTER** filter changeout,
THEN REPEAT step 4.1.5.

[C] Verify manufacture date **OR** serial number of filter, **AND** record on Attachment 2.

NOTE

If necessary, assistance SHALL be requested from qualified personnel to ensure that the filter vent is seated properly.

[D] Ensure filter has proper gasket seating and/or tightness.

[D.1] **IF** the filter is **NOT** found to be adequate,
THEN schedule the container for a filter changeout in accordance with CCP-TP-082.

(a) **AFTER** filter changeout,
THEN REPEAT step 4.1.5.

4.1.6 **IF** the container is safe to handle **AND** meets the filter inspection criteria,
THEN accept the container for characterization activities.

4.1.7 Perform scale operational check **AND** container weighing operations.

[A] On each day the scale is used, perform the following:

[A.1] **IF** the scale is an electronic scale,
THEN either verify the scale is turned ON, **OR** turn the power ON to the scale.

[A.2] Record the Scale ID Number, Location, and Scale Calibration Due Date on Attachment 3, CCP Scale Operational Check and Container Weight Information.

[A.3] Verify the scale calibration date is valid.

(a) **IF** the scale calibration date is **NOT** valid,
THEN record NO on Attachment 3, **AND** return scale to Host site for recalibration.

(b) **IF** the scale calibration date is valid,
THEN record YES on Attachment 3.

[A.4] Check that the scale reads zero when **NOT** loaded.

(a) **IF** the scale DOES **NOT** read zero,
THEN re-zero the scale in accordance with the manufacturer's instructions.

[A.5] Perform an operational check to verify the scale response is satisfactory as follows:

(a) Place a known calibrated check weight on the scale, **AND** verify the scale reads within 1.0 percent of the check weight used.

(a.1) **IF** the scale reads within the operational range,
THEN record SAT on Attachment 3.

(a.2) **IF** the scale reads outside of the operational range,
THEN STOP WORK, record UNSAT on Attachment 3, **AND** return scale to Host site for recalibration.

(b) Return the check weight to its storage location.

[A.6] Initial and date Attachment 3.

[B] Weigh the containers as follows:

NOTE
Steps 4.1.7[B.1] and [B.2] can be performed in either sequence.

NOTE
Steps 4.1.7[B.1] through 4.1.7[B.5] shall be performed for each container.

[B.1] Ensure the CCP Container Traveler (Label) is affixed to the container.

[B.2] Load the container onto the scale, **AND** allow the scale reading to stabilize.

[B.3] Record the container's ID number and gross weight (pounds [lbs] and kilograms [kg]) on Attachment 3 and the CCP Container Traveler (Label), as necessary.

[B.4] Initial and date the CCP Container Traveler (Label), and Attachment 3 for obtaining the certification weight.

[B.5] Remove the container from the scale.

NOTE
The preparer and approver of Attachment 2 and Attachment 3 must be different individuals.

4.1.8 Print name, sign, and date Attachment 2 and Attachment 3, **AND** submit to the VPM/Designee for review and approval.

VPM/Designee

4.1.9 Review, print name, sign, and date Attachment 2 and Attachment 3, **AND** submit to the Facility Records Custodian.

4.2 NDE Process

NDE Operator

4.2.1 Verify that the containers delivered to the NDE process are on the AK Tracking Spreadsheet.

4.2.2 **IF** the containers are **NOT** the correct containers to be processed (e.g., **NOT** listed on the AK Tracking Spreadsheet),
THEN return the containers to the Host site in lieu of processing.

4.2.3 Verify the CCP Container Traveler (Label) is affixed to the container.

[A] **IF** NO CCP Container Traveler (Label) is affixed to the container,
THEN STOP WORK on container, **AND** notify the VPM/Designee.

[B] **IF** the CCP Container Traveler (Label) is affixed to the container,
THEN perform NDE in accordance with approved procedures.

4.2.4 Indicate system certification status by circling YES or NO on the CCP Container Traveler (Label), **AND** initial and date.

[A] **IF** system is **NOT** certified,
THEN perform the following:

[A.1] Attach a VPM Administrative Hold Indicator to the container.

[A.2] Notify the SPM and provide the container ID and reason for applying the tag.

SPM

[A.3] SPM shall place the container on hold within the IDC by generating a VPM HOLD Exclusion or adding the affected container to an exclusion that already exists.

4.2.5 Document the NDE completion on the CCP Container Traveler (Label) by circling YES, **AND** initial and date.

4.2.6 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, reason for NCR) to the VPM/Designee.

4.3 NDA Process

NDA Operator

4.3.1 Verify that the containers delivered to the NDA process are on the AK Tracking Spreadsheet.

4.3.2 **IF** the containers are **NOT** the correct containers to be processed (e.g., **NOT** listed on the AK Tracking Spreadsheet),
THEN return the container to the Host site in lieu of processing.

4.3.3 Verify the CCP Container Traveler (Label) is affixed to the waste container.

[A] **IF** NO CCP Container Traveler (Label) is affixed to the container,
THEN STOP WORK on container, **AND** notify the VPM/Designee.

[B] **IF** the CCP Container Traveler (Label) is affixed to the container,
THEN perform NDA in accordance with approved procedures.

4.3.4 Document the preliminary Pu-239 Fissile Gram Equivalent (FGE) value (plus 2-sigma) on the CCP Container Traveler (Label), **AND** initial and date.

[A] **IF** the preliminary Pu-239 FGE value (plus 2-sigma) is **NOT** immediately available,
THEN record Not Available (N/A) on the CCP Container Traveler (Label).

4.3.5 Indicate system certification status by circling YES or NO on the CCP Container Traveler (Label), **AND** initial and date.

[A] **IF** system is **NOT** certified,
THEN perform the following:

[A.1] Attach a VPM Administrative Hold Indicator to the container.

[A.2] Notify the SPM and provide the container ID and reason for applying the tag.

SPM

[A.3] SPM Shall place the container on hold within the IDC by generating a VPM HOLD Exclusion or adding the affected container to an exclusion that already exists.

4.3.6 Document the NDA completion on the CCP Container Traveler (Label) by circling YES, **AND** initial and date.

4.3.7 Provide the container processing information (e.g., Container ID Number, BDR Number, NCR Number, reason for NCR) to the VPM/Designee.

4.4 Flammable Gas Analysis (FGA) Process

FGA Operator

4.4.1 Verify the containers identified for FGA sampling are on the AK Tracking Spreadsheet.

4.4.2 Move the waste containers identified for FGA sampling to an approved sampling area.

4.4.3 Verify the CCP Container Traveler (Label) is affixed to the container.

[A] **IF** NO CCP Container Traveler (Label) is affixed to the container,
THEN STOP WORK on container, **AND** notify the VPM/Designee.

[B] **IF** the CCP Container Traveler (Label) is affixed to the container,
THEN perform FGA sampling in accordance with approved procedures.

4.4.4 Document the FGA completion on the CCP Container Traveler (Label) by circling YES, **AND** initial and date.

4.5 VE Process

VE Operator

4.5.1 **IF** container is newly generated **AND** VE has been performed, **THEN** GO TO step 4.5.3.

4.5.2 Verify the container has a CCP HOLD TAG attached that requires VE or contains an un-penetrable item identified during pre-screening process.

[A] **IF** the container DOES **NOT** meet one of the conditions required above, **THEN** STOP WORK on container, **AND** notify VPM/Designee.

[B] **IF** the container was selected for VE, **THEN** perform VE in accordance with approved procedures.

NOTE

When a legacy waste container completes the VE process at LANL the resulting output waste container(s) are assigned a new container ID number(s). Section 4.5.3 can be performed on the output waste container(s) using the new container ID number(s) and the waste stream ID from the original container. Verification that the waste container is on the AK Tracking List is not required for completing this section. Prior to the waste container completing any subsequent characterization, verification that the waste container ID is on the AK Tracking List is necessary.

4.5.3 **WHEN** VE Operations have been completed, **THEN** ensure a new CCP Container Traveler (Label) is attached to the container, **AND** record the following:

[A] Container ID.

[B] Waste Stream ID.

[B.1] Initial and date confirming Container ID and Waste Stream ID.

[C] Gross Weight (lbs and kg) and initials and date.

4.5.4 Indicate system certification status by circling YES or NO on the CCP Container Traveler (Label), **AND** initial and date.

[A] **IF** system is **NOT** certified, **THEN** perform the following:

[A.1] Attach a VPM Administrative Hold Indicator to the container.

[A.2] Notify the SPM and provide the container ID and reason for applying the tag.

SPM

[A.3] SPM shall place the container on hold within the IDC by generating a VPM HOLD Exclusion or adding the affected container to an exclusion that already exists.

4.5.5 Document the VE completion on the CCP Container Traveler (Label) by circling YES, **AND** initial and date.

4.5.6 Provide the container processing information (e.g., Container ID Number, Waste Stream ID, BDR Number, NCR Number if applicable, reason for NCR) to the VPM/Designee.

Facility Records Custodian

4.5.7 Receive, process, and transmit all records generated by this procedure in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Attachment 2, Container Inspection Report

[B] Attachment 3, CCP Scale Operational Check and Container Weight Information

Attachment 1 – CCP Container Traveler (Label) (EXAMPLE)

Container ID:_____ _____ / _____
Date Initials

Waste Stream ID:_____

Gross Weight: _____ lbs. / _____ kg. _____ / _____
Date Initials

NDE

System Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

NDE Complete (circle one)? YES NO _____ / _____
Date Initials

NDA

System Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

NDA Complete (circle one)? YES NO _____ / _____
Date Initials

Pu 239 FGE: _____ _____ / _____
Value (Plus 2-sigma) Date Initials

FGA

FGA Complete (circle one)? YES NO _____ / _____
Date Initials

VE

Process Certified (circle one)? YES NO
(If NO, place under VPM Administrative Hold) _____ / _____
Date Initials

VE Complete (circle one)? YES NO _____ / _____
Date Initials

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Attachment 2 – Container Inspection Report

Safe to Handle YES/NO		Container ID Number	Structural Integrity and Distortion Inspection SAT UNSAT		RAD Tag <200 mrem/hr at surface SAT UNSAT		Filter Information (Manufacture ID, Filter Model #, Manufacture Date OR Serial #)	
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		
YES	NO		SAT	UNSAT	SAT	UNSAT		

Comments:

Completed by: _____ _____ _____ VPM/Designee Approval: _____ _____ _____

Print Name Signature Date Print Name Signature Date

NOTE: If NO, circled in first column (Safe to Handle), DO NOT accept container.

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Attachment 3 – CCP Scale Operational Check and Container Weight Information

PART I
Scale Operational Check Information

Scale ID #	Location	Scale Calibration Due Date	Scale Calibration Date Valid (YES / NO)	Scale Cal Check (SAT / UNSAT)	Initials	Date

PART II
Container Weight Information

Container ID #	Gross Weight (Lbs)	(Kgs)	Initials	Date

Completed By: _____ _____ _____
Print Name **Signature** **Date**

VPM/Designee: _____ _____ _____
Print Name **Signature** **Date**

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Attachment 4 – Structural Integrity and Distortion Inspections Criteria

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
1.	Is the payload container obviously degraded?	Obviously degraded means clearly visible and potentially significant defects in the payload container or payload container surface.
2.	Is there evidence that the payload container is, or has been, pressurized?	Pressurization can be indicated by a fairly uniform expansion of the sidewalls, bottom, or top. Past pressurization can be indicated by a notable outward deflection of the bottom or top. Verify that the drum is not warped.
3.	Is there any potentially significant rust or corrosion such that wall thinning, pin holes, or breaches are likely or the load-bearing capacity is suspect?	Rust shall be assessed in terms of its type, extent, and location. Pitting, pocking, flaking, or dark coloration characterizes potentially significant rust or corrosion. This includes the extent of the payload container surface area covered, thickness, and, if it occurs in large flakes or built-up (caked) areas. Rusted payload containers may **NOT** be accepted if: • Rust is present in caked layers or deposits. • Rust is present in the form of deep metal flaking, or built-up areas of corrosion products. In addition, the location of rust should be noted; for example on a drum: top lid; filter region; locking chine; top one-third, above the second rolling hoop; middle one-third, between the first and second rolling hoops; bottom one-third, below the second rolling hoop; and on the bottom. Payload containers may still be considered acceptable if the signs of rust show up as: • Some discoloration on the payload container • If rubbed would produce fine grit or dust or minor flaking (such that wall thinning does not occur)
4.	Are any of the following apparent? • wall thinning • pin holes • breaches	Wall thinning, pin holes, and breaches can be a result of rust/corrosion (see discussion for #3).

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Attachment 4 – Structural Integrity and Distortion Inspections Criteria (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
5.	Are there any split seams, tears, obvious holes, punctures (of any size), creases, broken welds, or cracks?	Payload containers with obvious leaks, holes or openings, cracks, deep crevices, creases, tears, broken welds, sharp edges or pits, are either breached or on the verge of being breached. Verify that there is no warpage that could cause the container to be unstable or prevent it from fitting properly in the TRUPACT-II.
6.	Is the load-bearing capacity suspect?	The load-bearing capacity could be reduced for excessive rust (see discussion for #3), wall thinning (see discussion for #4), breaches, cracks, creases, broken welds, etc. (see discussion for #5).
7.	Is the payload container properly closed?	Inspect the fastener and fastener ring (chine), if applicable, for damage or excessive corrosion. Check the alignment of the fastener to ensure that it is in firm contact around the entire lid and the payload container will not open during transportation.
8.	Are there any dents, scrapes, or scratches that make the payload container's structural integrity questionable or prevent the top and bottom surfaces from being parallel?	Deep gouges, scratches, or abrasions over wide areas are not acceptable. If top and bottom surfaces are not parallel, this would indicate that the container is warped. Dents should be less than ¼ inch deep by 3 inches long and between ½ inch to 6 inches wide. All other dents must be examined to determine impact of structural integrity.
9.	Is there discoloration which would indicate leakage or other evidence of leakage of material from the payload container?	Examine the payload container regions near vents, top lid fittings, bottom fittings, welds, seams and intersections of one or more metal sheets or plates. Payload containers must be rejected if evidence of leakage is present.
10.	Is the payload container bulged?	For the purposes of this examination, bulging is indicated by: • A fairly uniform expansion of the sidewalls, bottom, or top (e.g., in the case of a drum, either the top or bottom surface protrudes beyond the planar surface of the top or bottom ring); • A protrusion of the side wall (e.g., in the case of a drum, beyond a line connecting the peaks of the surrounding rolling hoops or a line between a surrounding rolling hoop and the bottom or top ring); or • Expansion of the sidewall (e.g., in the case of a drum, such that it deforms any portion of a rolling hoop).

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CCP-TP-145

Revision 4

CCP
RTR #4
Operating Procedure

EFFECTIVE DATE: 01/14/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	10/13/2004	Initial Issue.
1	05/09/2005	Revised in response to Carlsbad Field Office (CBFO) Document Review Record (DRR) comments and incorporated changes that better define the requirements of the WAP.
2	12/18/2008	Revised to incorporate the changes made to Real-Time Radiography (RTR) #4 during the restoration.
3	01/20/2011	Revised to eliminate an unnecessary warm up requirement when working multiple shifts in a day.
4	01/10/2012	Revised to add Standing Order to the procedure, stream line, further clarify steps in the procedure, and correct verbiage throughout.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 Referenced Documents 5
2.2 Training Requirements 5
2.3 Equipment List 5
2.4 Software 5
2.5 Precautions and Limitations 5
2.6 Prerequisite Actions 7

3.0 RESPONSIBILITIES 8
3.1 RTR Operator 8
3.2 RTR Lead Operator (LO) 8
3.3 Radiological Control Technician (RCT) 8
3.4 Vendor Project Manager (VPM) 8

4.0 PROCEDURE 9
4.1 Pre-start Operations 9
4.2 Powering up the X-ray System 10
4.3 RTR Unit Warm-Up 12
4.4 Container Loading 13
4.5 Image Intensifier (II) Container Scanning 14
4.6 Container(s) Unloading 14
4.7 RTR System Shut-down 15
4.8 Video/Audio Recording Media System Shutdown 15

5.0 RECORDS 16

1.0 PURPOSE

The purpose of this procedure is to provide instructions for safe start up, operation, and shut-down of mobile real-time radiography (RTR) system (RTR#4), at Savannah River Site (SRS). This procedure is used with CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*, for performing certified scanning of waste containers. This procedure is also used with CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited Items*.

1.1 Scope

This procedure applies to RTR #4 activities performed by qualified RTR Operators. Maintenance activities are outside the scope of this procedure.

2.0 REQUIREMENTS

2.1 Referenced Documents

- CCP-PO-005, *CCP Conduct of Operations*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*
- CCP-TP-066, *CCP Radiography Screening Procedure for Prohibited Items*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Equipment List

- RTR System

2.4 Software

2.4.1 None

2.5 Precautions and Limitations

2.5.1 If during the course of performing this procedure a change occurs that causes deviation from the normal process, **AND** this condition can **NOT** be corrected as directed by this procedure, RTR Operators shall IMMEDIATELY STOP WORK and notify the Vendor Project Manager (VPM) and the RTR Lead Operator (LO) or designee.

2.5.2 Employees may use copies of this procedure printed from the controlled document file; however, employees are responsible for assuring that the correct revision of this procedure is used.

2.5.3 The personal protective equipment (PPE) for normal operations is leather gloves, steel toe shoes, and safety glasses (when handling containers). Additional PPE may be specified by a Host site Radiological Control Technician (RCT) or in a site-specific Radiation Work Permit (RWP). Personnel will don the required or specified PPE before starting RTR operations.

2.5.4 Personnel will remain clear of the external shield door, container cart, and moving equipment when the system is energized.

2.5.5 The RTR system generates x-rays (up to 450 kilovolts [kV]). Personnel will avoid radiation exposure by observing all warning devices and personnel barriers. An interlock system will de-energize x-ray generation when one of the x-ray vault doors is opened. A radiation survey is required before entering the x-ray vault.

2.5.6 RTR Operators will ensure the x-ray vault is clear of personnel, the shield doors are closed, and personnel side access doors are closed and locked prior to start-up of the x-ray system. To facilitate this, a Closed-Circuit Television (CCTV) system has been installed.

2.5.7 By design, there is NO exposed lead. However, precautions should be taken **NOT** to damage the steel x-ray vault lining as this may cause lead to be exposed. If exposed lead is discovered, report this condition to the VPM so it can be isolated.

2.5.8 RTR Operators will ensure electrical panels and junction boxes are closed, equipment and moving parts are clear of foreign objects, and personnel are clear of the equipment prior to start-up of the RTR system.

2.5.9 Workers who will be working in a radiation area must have read and signed the applicable RWP.

2.5.10 A radiation survey must be performed by a Host site RCT with a calibrated meter prior to entering the x-ray vault at any time.

2.5.11 DO **NOT** enter the x-ray vault except to perform maintenance of equipment or visual inspection of equipment.

2.5.12 DO **NOT** override any of the safety interlocks.

2.5.13 DO **NOT** attempt to OPEN the x-ray vault doors when the x-ray system is in operation.

2.5.14 The RTR Operator will ensure that the x-ray vault is clear of personnel prior to start-up of the x-ray system. This can be accomplished by observing the CCTV system.

2.5.15 DO **NOT** leave the system operating unattended at any time.

2.5.16 DO **NOT** sit, stand, climb, or walk on the container cart, its rails, or equipment in the x-ray vault due to potential pinching/falling hazards.

2.5.17 The personnel access doors to the x-ray vault SHALL remain shut except when the x-ray vault is occupied.

2.5.18 RTR Operator shall ensure all equipment guards are installed prior to system operation.

2.5.19 Personnel must verify that the lift table is in the fully lowered position prior to entering the vault unless otherwise directed by appropriate work documents.

2.6 Prerequisite Actions

2.6.1 Conduct a safety walk-down of the equipment, **AND** record results in the Nondestructive Examination (NDE) Operational Logbook in accordance with CCP-PO-005, *CCP Conduct of Operations* at the beginning of each shift.

2.6.2 VPM or designee, verify the RTR LO and RTR Operator(s) qualifications are current.

2.6.3 Verify the radiation leak check compliance label, located on the x-ray Control Panel, is current.

[A] **IF** the radiation leak check has expired,
THEN DO **NOT** proceed with RTR operations until Radiation Protection Services personnel perform and document a radiation leak check, and certify the RTR system is operating within allowable limits.

3.0 RESPONSIBILITIES

3.1 RTR Operator

3.1.1 Operates the RTR system.

3.1.2 Maintains the NDE Operational Logbook.

3.2 RTR Lead Operator (LO)

3.2.1 Provides supervision for the overall operation of the mobile RTR system and is, at a minimum, a qualified RTR Operator.

3.2.2 Ensures RTR Operators are trained and qualified; or trainees are under the direct supervision of a qualified Subject Matter Expert (SME)/Qualified RTR Operator in accordance with CCP-QP-002 and CCP-PO-005.

3.3 Radiological Control Technician (RCT)

3.3.1 Prepares required RWPs for testing containers, **AND** performs a periodic Radiation Generating Device (RGD) x-ray vault radiation protection and contamination survey of the RTR system.

3.4 Vendor Project Manager (VPM)

3.4.1 Ensures Central Characterization Program (CCP) personnel comply with environmental safety, security requirements, and CCP safety requirements.

3.4.2 Monitors the List of Qualified Individuals (LOQI) daily to confirm that only qualified personnel perform waste characterization and transportation activities.

4.0 PROCEDURE

CAUTION

Host site RCT must conduct a survey with a calibrated meter prior to entering the x-ray vault at any time.

NOTE

The RTR Operator performs all steps within this procedure unless otherwise indicated.

4.1 Pre-start Operations

4.1.1 Request Host site RCT to support a survey of the personnel side access door opening.

4.1.2 Enter the x-ray vault area through the personnel side access door.

[A] Visually check the conveyor tracks and hydraulic lines to make sure they are free from obstructions and leaks.

[B] Ensure the x-ray shutters are closed on the x-ray tubehead.

[C] Verify that **NO** personnel remain in the x-ray vault area, **AND** close the personnel side access door.

[D] Inspect the coolant level sight glass and turn the cooler to the ON position located under the front end of the trailer.

4.1.3 Enter the control room, **AND** turn ON all the monitors and associated equipment.

4.1.4 Verify surveillance cameras are powered ON, **AND** video monitor displays an image from all cameras.

4.2 Powering up the X-ray System

NOTE

The x-ray key switch on the MP1 controller has three positions:

1. (Symbol O) Power switched OFF to controller;
2. (Symbol ~) Main is ON;
3. (Symbol ⚡ Lightning Bolt) High Tension (HT) on Enable

NOTE

Two operators may perform Section 4.2 "IF Desired."

WARNING

Personnel SHALL keep hands clear of personnel door to x-ray vault when opening or closing, due to potential pinch points.

4.2.1 Obtain the x-ray key from lock box and insert the x-ray key into the x-ray key switch on the MP1 controller, **AND** turn the x-ray key to position 2.

4.2.2 Verify the operability of door interlocks by performing the following:

[A] Verify the green safety light is illuminated on the MP1 controller.

[B] **OPEN** the rear x-ray vault doors.

[C] **WHEN** the rear x-ray vault doors open,
THEN verify the Green Safety Light is extinguished.

[D] **IF** the Green Safety Light is NOT extinguished,
THEN STOP WORK and notify the RTR LO.

[E] **IF** the Green Safety Light is extinguished,
THEN close the rear x-ray vault doors, **AND** verify the Green Safety Light is illuminated.

[F] Exit the control room, **AND** OPEN the personnel side access door.

[G] Re-enter the control room, **AND** verify the Green Safety Light is extinguished.

[H] **IF** the Green Safety Light is **NOT** extinguished,
THEN STOP WORK **AND** notify the RTR LO.

[I] **IF** the Green Safety Light is extinguished,
THEN Exit the control room, **AND** proceed to step 4.2.3.

NOTE

When any of the personnel side access doors or rear x-ray vault doors are open, drum rotation is automatically stopped.

4.2.3 Emergency Stop Button:

[A] Enter the x-ray vault through the personnel side access door, **AND** press the Emergency Stop button.

[B] Exit the x-ray vault, **AND** CLOSE the personnel side access door,
THEN re-enter the control room.

[C] Verify the Green Safety Light is extinguished.

[D] **IF** Green Safety Light is not extinguished,
THEN STOP WORK and notify RTR LO.

[E] **IF** the Green Safety Light is extinguished,
THEN exit the control room, **AND** reopen the personnel side access door;
THEN re-enter the x-ray vault, **AND** reset the Emergency Stop button.

[F] Exit the x-ray vault, **AND** CLOSE the personnel side access door,
THEN re-enter the control room **AND** verify the Green Safety Light is illuminated.

[G] **IF** the Green Safety Light is not illuminated,
THEN STOP WORK and notify RTR LO.

4.3 RTR Unit Warm-Up

NOTE

If the MP1 controller does not require a warm up, manually enter the warm up code as directed by the RTR LO and note in the NDE Operational Logbook.

4.3.1 Turn the x-ray key to position 3.

NOTE

The length of the warm-up cycle is dependent upon the down time prior to start up. An audible alarm will sound for 20 seconds before x-rays are generated. The 20-second pre-warning time begins immediately upon pressing the green x-ray ON button.

4.3.2 Push the green x-ray ON button to start the x-ray warm-up cycle.

[A] Verify the x-ray warm-up light is illuminated.

WARNING

If any of the x-ray warning lights fail to come ON during warm-up, the RTR system SHALL be shut-down by depressing the Red x-ray OFF button, turning the x-ray key to Position 1 the (Symbol O) OFF position, **AND** removing the x-ray key. The RTR LO and the VPM will be notified, **AND** RTR operations will **NOT** be performed until the failed RTR system(s) has been repaired or replaced.

NOTE

There are four x-ray warning lights in the following locations:

- Yellow x-ray ON light on the MP1 controller.
- Yellow flashing or steady warning/Red steady or flashing beacon tower light inside the x-ray vault.
- X-ray ON/High Radiation light/signs outside, above the rear x-ray vault doors.
- X-ray ON lights/signs above the personnel side access doors.

4.3.3 Verify all x-ray warning lights are ON.

NOTE

Warm-up is complete when all x-ray warning lights turn OFF and the warm-up light on the MP1 control panel is OFF.

4.3.4 Record status of 20-second audible and visual signals and x-ray ON warning signals in the NDE Operational Logbook.

4.3.5 Verify the kV and the mA displays start indicating voltage and current as the warm-up cycle progresses.

4.3.6 At the completion of the warm-up cycle, turn the x-ray key to position 2, **AND** record the completion of the warm-up cycle in the NDE Operational Logbook.

4.3.7 Hold the x-ray shutter switches in the OPEN position for approximately five seconds.

4.4 Container Loading

NOTE

When scanning a box container (such as standard large boxes [SLBs], standard waste boxes [SWBs], etc.) both sides of the container must be scanned.

WARNING

Verify the forklift/spotter is clear of rail area before moving container cart. Ensure container cart is clear of foreign objects, and personnel are clear of the equipment prior to movement of the container cart.

4.4.1 While viewing the video surveillance monitor, OPEN the rear x-ray vault doors by using the Back Door Switches on the Operator's Control Panel.

4.4.2 Move the container cart to the Unloading Position.

4.4.3 Verify that a container(s) is loaded onto the container cart by the Waste Handling personnel.

NOTE

To assist the RTR Operator in determining height and volume estimations, measuring devices with graduated scales may be placed on the container.

WARNING

Personnel SHALL **NOT** sit, stand, climb, or walk on the container cart or its rails due to potential pinching/falling hazard.

4.4.4 Transport the container(s) into the x-ray vault by utilizing the Load Switch on the Operator's Bench Board.

4.4.5 CLOSE the rear x-ray vault doors using the Back Door Switches while maintaining visual surveillance on the monitor.

4.5 Image Intensifier (II) Container Scanning

[A] Turn the x-ray key to position 3.

[B] Push the green x-ray ON button to start the x-ray system.

[C] Adjust the high-voltage kV and mA knobs until the image on the video monitor has the desired display.

[D] Rotate/scan the container so that a detailed inspection of items in the container is in accordance with the applicable procedure.

[E] **WHEN** the desired x-ray examination is completed, **THEN** terminate x-rays by pushing the red x-ray OFF button on the MP1 Controller and turn the x-ray key to position 2.

4.6 Container(s) Unloading

4.6.1 While viewing the video surveillance monitor, OPEN the rear x-ray vault doors using the Back Door Switches on the Operator's Control Panel.

WARNING

Verify the forklift/spotter is clear of rail area before moving container cart. Ensure container cart is clear of foreign objects, and personnel are clear of the equipment prior to movement of the container cart.

4.6.2 Move the container cart to the unloading position and **ENSURE** the container(s) are unloaded by the Waste Handling personnel.

4.6.3 **IF** additional container(s) are to be examined, **THEN** return to step4.4.3, **ELSE** move the container cart to the Load position and close the rear x-ray vault doors while maintaining view of the surveillance monitor.

4.7 RTR System Shut-down

4.7.1 Ensure the x-ray key is in position 2 and allow the cooling system to remove excess heat.

4.7.2 CLOSE the x-ray shutters completely by holding the control switches for approximately five seconds.

4.7.3 Turn the x-ray key switch to the OFF position, **AND** remove the x-ray key from the MP1 control panel.

4.7.4 Return the x-ray key to the lock box.

4.7.5 Turn the cooler to the OFF position located under the front end of the trailer.

4.8 Video/Audio Recording Media System Shutdown

4.8.1 Shut down all imaging, recording, and associated equipment by pressing the appropriate switches.

5.0 RECORDS

5.1 The NDE Operational Logbook generated during the performance of this procedure are identified as quality assurance (QA) records in CCP-PO-005, and maintained as QA records in accordance with CCP-QP-008, *CCP Records Management.*

Obsolete

CCP-TP-162

Revision 2

CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis

EFFECTIVE DATE: 01/16/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

Obsolete

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	06/19/2009	Initial issue to combine CCP-TP-160, *CCP Random Selection of Containers for Headspace Gas Sampling and Analysis,* and CCP-TP-161, *CCP Random Selection of Containers for Solids Sampling and Analysis,* into single procedure and incorporate freeze file changes and Central Characterization Project (CCP) Management Assessment, CCP-MA-0027-08 findings.
1	12/29/2010	Minor revision to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*
2	01/16/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes and freeze file changes.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 4

3.0 RESPONSIBILITIES 5
3.1 Site Project Manager (SPM) 5
3.2 SPM Performing Random Selection 5
3.3 Vendor Project Manager (VPM) 6

4.0 PROCEDURE 7
4.1 Determining Random Sampling Population 7
4.2 Container RS for Sampling from Accessible Waste Stream or Waste Stream RS Lot Populations 8
4.3 Container RS for Sampling from Indeterminate Waste Stream Populations 11

5.0 RECORDS 21

1.0 PURPOSE

CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan,* Section C2, requires that containers be randomly selected for solids and headspace gas (HSG) sampling and analysis. This procedure describes the process the Central Characterization Program (CCP) uses for random selection of contact-handled (CH) and remote-handled (RH) transuranic (TRU) waste containers for Solids and HSG sampling and analysis.

1.1 Scope

This procedure applies to retrievably stored, repackaged or treated, and newly generated S5000 debris, S4000 soil/gravel, and S3000 homogeneous solids waste streams that require solids or HSG sampling and analysis for waste characterization.

2.0 REQUIREMENTS

2.1 References

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM)

3.1.1 Reviews the acceptable knowledge (AK) documentation to determine the number of containers in the waste stream Random Selection (RS) lot.

3.1.2 Identifies the containers in the waste stream RS lot, **AND** records identified containers for electronic delivery to the Site Project Manager (SPM) performing RS.

3.1.3 Estimates the number of containers expected for indeterminate subsequent RS lots, if any, as needed for selection of subsequent RS lot samples.

3.1.4 Documents the justification for any deviation from the list of selected containers developed by the SPM performing RS as occurring.

3.1.5 Ensures containers identified for sampling are properly staged and sampled or sent for coring as soon as practical in coordination with the Vendor Project Manager (VPM).

3.1.6 Reports those containers that have completed sampling and analysis to the SPM performing RS so that they may be released from shipping exclusion lists.

3.2 SPM Performing Random Selection

3.2.1 Obtains listing of containers in the accessible portion of the waste stream RS lot and estimated range of numbers of indeterminate containers for subsequent RS lots from the responsible SPM.

3.2.2 Performs random selection of containers to be sampled and analyzed.

3.2.3 Prepares and submits the Headspace Gas Random Sample Selection Memorandum or Solids Random Sample Selection Memorandum, as appropriate.

3.2.4 Prepares and submits the Subsequent Headspace Gas Random Sample Candidate Selection Memorandum or Subsequent Solids Random Sample Candidate Selection Memorandum, as appropriate.

3.2.5 Prepares and submits the Subsequent Headspace Gas Random Sample Selection Memorandum or Subsequent Solids Random Sample Selection Memorandum, as appropriate.

3.2.6 Ensures that the appropriate RS Lot Identification (RS Lot ID) numbers and Exclusion Listing holds are placed on the containers in the CCP Data Center container and data tracking system.

3.2.7 Performs the assignment of container identification (ID) numbers in Indeterminate Waste Stream RS lots as previously indeterminate containers are identified and added to the corresponding AK Tracking Spreadsheets.

3.2.8 Removes Exclusion Listing holds as sampled containers are reported by the SPM or when RS lot sampling is complete and contingency selections are no longer needed.

3.3 Vendor Project Manager (VPM)

3.3.1 Ensures that the containers selected for sampling go through the appropriate sampling process in coordination with the SPM or Designee.

4.0 PROCEDURE

NOTE
If there are fewer containers than the minimum required number of samples in a waste stream, then each container will be sampled at least once as described in Section 4.2.

4.1 Determining Random Sampling Population

SPM

4.1.1 Review the AK documentation to determine the number of containers in the waste stream or waste stream RS lot.

4.1.2 Identify the containers in the waste stream RS lot, **AND** record identified containers for electronic delivery to the SPM performing the random selection.

4.1.3 Estimate the number of containers expected for indeterminate subsequent RS lots, if any, as needed for the SPM performing RS.

NOTE
Specific steps used in performing the random selection of containers for sampling cite spreadsheet functions and menu selections associated with Microsoft Excel®. If another commercial spreadsheet program is used, the functionally equivalent functions and menu selections should be used.

SPM Performing Random Selection

[A] **IF** the entire population of the waste stream is accessible for sampling and analysis,
THEN GO TO Section 4.2.

[B] **IF** the entire population of the waste stream is known, **AND** only a portion of the waste stream is accessible for sampling and analysis,
THEN GO TO Section 4.2.

[C] **IF** the population of the waste stream as a whole is indeterminate, (e.g., continually generated waste streams from ongoing processes),
THEN divide the waste stream into waste stream RS lots,
AND GO TO Section 4.3.

4.2 Container RS for Sampling from Accessible Waste Stream or Waste Stream RS Lot Populations

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NOTE

When the waste stream population is divided into multiple waste stream RS lots, the steps of Section 4.2 will be repeated for each waste stream RS lot for which all containers are known. For RS lots with indeterminate containers, the steps of Section 4.3 will be followed.

NOTE

For the initial sample selection for a solids waste stream RS lot, *n* will equal five. If the waste stream has fewer than five containers, the entire waste stream will be characterized in one lot and one or more containers will require multiple sampling to yield a total of five samples in addition to the required co-located pair.

For the initial sample selection for a HSG waste stream RS lot, *n* will equal ten. For HSG waste streams with fewer than ten containers, the entire waste stream will be characterized in one lot and all containers will be HSG sampled.

For subsequent required samples from within the same solids or HSG waste stream RS lot, *n* will be determined using the minimum required sample size calculations described in CCP-TP-003, *CCP Data Analysis for S3000, S4000, and S5000 Characterization*.

If the RS Lot size permits, the total number of selected and contingency containers identified and held for potential sampling should be at least 15.

4.2.1 Create a spreadsheet with the title to include the waste stream identification (WSID) number and waste stream RS Lot ID number, using Microsoft Excel® or equivalent.

4.2.2 Create a column within the spreadsheet containing the Container ID numbers for the waste stream or waste stream RS lot, excluding all containers identified in previous Solids or Headspace Gas Random Sample Selection Memorandum.

4.2.3 Generate a random number associated with each container in the waste stream RS lot in an adjacent column, using the Random Number Function in Microsoft Excel® or equivalent.

[A] The function used in Microsoft Excel® is:

=RAND()

Where:

=RAND() is a Microsoft Excel® Function that produces a random number greater than or equal to 0 and less than 1.

[B] Select and copy the column containing the generated random numbers, using the Edit, Copy menu selections.

[C] Replace the column containing the generated random numbers with its corresponding fixed values, using the Edit, Paste Special, Value menu selections.

4.2.4 Sort the container numbers based on the numbers in the random number column in ascending order, using the Data, Sort menu options.

4.2.5 Identify the first *n* containers in the resulting Solids or HSG Random Sample Selection Listing as the primary Solids or HSG sample selection for the associated waste stream RS lot.

4.2.6 Identify a sufficient additional number of containers in the Solids or HSG Random Sample Selection Listing to serve as contingency selections in the event additional containers require sampling, any selected containers cannot be physically and safely sampled, or any selected containers are subsequently removed from the waste stream by AK reevaluation.

4.2.7 Print the completed Solids or HSG Random Sample Selection Listing of all containers, and associated generated random numbers to be included as an attachment to the applicable Solids or Headspace Gas Random Selection Memorandum.

4.2.8 Create a Solids Random Sample Selection Memorandum or Headspace Gas Random Sample Selection Memorandum, as applicable, to include the following information as a minimum:

- The name of the SPM performing RS preparing the memorandum.
- The identification of the waste stream and waste stream RS lot ID number.
- The date the memorandum is signed by the SPM performing RS.
- The population size (number of containers in the waste stream RS lot) from which containers have been selected for Solids or HSG sampling and analysis.
- The quantity of containers selected for Solids or HSG sampling and analysis and number of containers identified as contingency selections.
- A complete listing of the randomly selected container numbers that were selected by this random selection method with their associated random numbers and order of selection for sampling.
- Identification of all containers within the entire population of the waste stream RS lot with their associated random numbers.

4.2.9 Attach the corresponding Solids or HSG Random Sample Selection Listing, when applicable.

4.2.10 Sign the Solids or Headspace Gas Random Sample Selection Memorandum.

4.2.11 Forward copies of the completed Solids or Headspace Gas Random Sample Selection Memorandum to the SPM(s) and VPM(s) for the associated site.

4.2.12 Submit the signed original Solids or Headspace Gas Random Sample Selection Memorandum for the waste stream RS lot to the CCP Records Center in accordance with CCP-QP-008, *CCP Records Management*.

Obsolete

4.2.13 Apply appropriate Exclusion List holds to selected and contingency containers in the CCP Data Center container and data tracking system to preclude shipping of such containers until required sampling and analysis have been performed.

4.2.14 Apply appropriate RS Lot ID numbers to all containers in the waste stream RS lot population in the CCP Data Center container and data tracking system.

4.3 Container RS for Sampling from Indeterminate Waste Stream Populations

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NOTE

For the initial sample selection for a Solids waste stream RS lot, the sample size, *n,* will equal five. If the waste stream has fewer than five containers, the entire waste stream will be characterized in one RS lot and one or more containers will require multiple sampling to yield a total of five samples in addition to the required co-located pair.

For the initial sample selection for a HSG waste stream RS lot, the sample size, *n,* will equal ten. For HSG waste streams with fewer than ten containers, the entire waste stream will be characterized in one RS lot and all containers will be HSG sampled.

For subsequent required samples from within the same Solids or HSG waste stream RS lot, the size of *n* will be determined using the minimum sample size calculations described in CCP-TP-003.

If the RS lot size permits, the total number of selected and contingency containers identified and held for potential sampling should be at least 15.

4.3.1 Determination of Sample Selection for Waste Stream RS Lot 1

[A] Create a spreadsheet with the title to include the WSID number and waste stream RS Lot ID number, using Microsoft Excel® or equivalent.

NOTE

The accessible containers in an indeterminate Solids waste stream will be considered the first waste stream RS lot and must include at least five containers.

The accessible containers in an indeterminate HSG waste stream will be considered the first waste stream RS lot and must include at least 10 containers.

[B] Create a column within the spreadsheet containing the Container ID numbers for the first waste stream RS lot.

[C] Generate a random number associated with each container in the first waste stream RS lot in an adjacent column, using the Random Number function in Microsoft Excel® or equivalent.

[C.1] The function used in Microsoft Excel® is:

=RAND()

Where:

=RAND() is a Microsoft Excel® Function that produces a random number greater than or equal to 0 and less than 1.

[C.2] Select and copy the column containing the generated random numbers, using the Edit, Copy menu selections.

[C.3] Replace the column containing the generated random numbers with its corresponding fixed values using the Edit, Paste Special, Value menu selections.

[D] Sort the container numbers based on the numbers in the random number column in ascending order, using the Data, Sort menu selections.

[E] Identify the first *n* containers in the resulting Solids or HSG Random Sample Selection Listing as the primary Solids or HSG sample selection for the associated waste stream RS lot.

[F] Identify a sufficient additional number of containers in the Solids or HSG Random Sample Selection Listing to serve as contingency selections in the event additional containers require sampling, any selected containers cannot be physically and safely sampled, or any selected containers are subsequently removed from the waste stream by AK reevaluation.

NOTE

For very small waste stream RS lots the Random Sample Selection Listing of step 4.3.1[G] may be incorporated into the body of the Random Selection Memorandum instead of included as a separate attachment.

[G] Print the completed Solids or HSG Random Sample Selection Listing to be included as an attachment to the applicable Solids or Headspace Gas Random Selection Memorandum.

[H] Create a Solids Random Sample Selection Memorandum or Headspace Gas Random Sample Selection Memorandum, as applicable, to include the following information as a minimum:

- The name of the SPM performing RS preparing the memorandum.
- The identification of the waste stream and waste stream RS lot number.
- The date the memorandum is signed by the SPM performing RS.
- The population size (number of containers in the waste stream RS lot) from which containers have been selected for Solids or HSG sampling and analysis.
- The quantity of containers selected for Solids or HSG sampling and analysis and number of containers identified as contingency selections.
- A complete listing of the randomly selected container numbers that were selected by this random selection method with their associated random numbers and order of selection for sampling.

- Identification of all containers within the entire population of the waste stream RS lot with their associated random numbers.

[I] Attach the corresponding Solids or HSG Random Sample Selection Listing, when applicable.

[J] Sign the Solids or Headspace Gas Random Sample Selection Memorandum.

[K] Forward copies of the completed Solids or Headspace Gas Random Sample Selection Memorandum to the SPM(s) and VPM(s) for the associated site.

[L] Submit the signed original Solids or Headspace Gas Random Sample Selection Memorandum for the waste stream RS Lot 1 to the CCP Records Center in accordance with CCP-QP-008.

[M] Apply appropriate Exclusion List holds to selected and contingency containers in the CCP Data Center container and data tracking system to preclude shipping of such containers until required sampling and analysis have been performed.

[N] Apply RS Lot ID number 1 to all containers in the RS Lot 1 population in the CCP Data Center container and data tracking system.

4.3.2 Selection of Subsequent RS Lot Samples

NOTE
Normally, waste streams need to be divided into no more than two RS lots.

[A] In consultation with the SPM, estimate a conservatively low minimum and a conservatively high maximum for the number of containers expected in the subsequent waste stream RS lot population.

[B] Create a spreadsheet with the title to include the Waste Stream ID Number and RS Lot ID Number, if applicable, using Microsoft Excel® or equivalent.

[C] Create a column in the spreadsheet with sufficient rows for the maximum number of containers identified in step 4.3.2[A]. Fill in the column with the known container IDs and "to be determined (TBD)" for the remaining rows up to the identified maximum.

[D] Create a second column containing a unique container sequence number for the indeterminate containers (those containers with "TBD" in the container ID column).

[E] Generate a random number associated with each container and/or container sequence number combination in an adjacent column using the Random Number function in Microsoft Excel® or equivalent.

[E.1] The function used in Microsoft Excel® is:

=RAND()

Where:

=RAND() is a Microsoft Excel® Function that produces a random number greater than or equal to 0 and less than 1.

[E.2] Select and copy the column containing the generated random numbers, using the Edit, Copy menu selections.

[E.3] Replace the column containing the generated random numbers with its corresponding fixed values, using the Edit, Paste Special, Value menu selections.

[F] Sort the container sequence numbers based on the numbers in the random number column in ascending order, using the Data, Sort menu selections.

[G] Identify the first *n* containers in the resulting sorted listing with sequence numbers less than or equal to the minimum number estimated in step 4.3.2[A] as initial candidate containers for sampling, while preserving the sorted listing order.

[H] Identify a sufficient additional number of containers in the Solids or HSG Random Sample Selection Listing to serve as contingency selections in the event additional containers require sampling, any selected containers cannot be physically and safely sampled, or any selected containers are subsequently removed from the waste stream by AK reevaluation.

[I] Create a Subsequent Solids Random Sample Candidate Selection Memorandum or Subsequent Headspace Gas Random Sample Candidate Selection Memorandum, as appropriate, to include the following information as a minimum:

- The name of the SPM performing RS preparing the memorandum.
- The identification of the waste stream and waste stream RS lot number.
- The date the memorandum is signed by the SPM performing RS.
- The estimated minimum and maximum population sizes (number of containers in the waste stream RS lot) from which candidate container sequence numbers have been selected for Solids or HSG sampling and analysis.
- The quantity of containers selected for Solids or HSG sampling and analysis and number of containers identified as contingency selections.
- A complete listing of the randomly selected candidate container sequence numbers that were determined to be eligible for selection by this random selection method with their associated random numbers, preserving the random-number-sorted order established in step 4.3.2[G] and showing the associated order of selection for sampling.
- Description of methodology used for objective assignment of sequential container numbers.

[J] Attach the corresponding Solids or HSG Random Sample Selection Listing, when applicable.

[K] Sign the Subsequent Solids or Headspace Gas Random Sample Candidate Selection Memorandum created in step 4.3.2[I].

[L] Forward copies of the completed Subsequent Solids or Headspace Gas Random Sample Candidate Selection Memorandum to the SPM(s) and VPM(s) for the associated site.

[M] Submit the signed original Subsequent Solids or Headspace Gas Random Sample Candidate Selection Memorandum for the waste stream RS lot to the CCP Records Center in accordance with CCP-QP-008.

[N] Apply appropriate Exclusion List holds to selected and contingency containers identified in step 4.3.2[G] and step 4.3.2[H] in the CCP Data Center container and data tracking system to preclude shipping of such containers until required sampling and analysis have been performed.

[O] Apply appropriate RS Lot ID numbers to all containers in the RS lot population in the CCP Data Center container and data tracking system.

[P] As additional containers with sequence numbers in excess of the estimated minimum are received, repeat step 4.3.2[G] and step 4.3.2[H] as necessary to select previously non-selected container sequence numbers as they become available and release previously selected containers no longer contained within the first n containers on the listing with sequence numbers less than or equal to the currently encountered population size.

[Q] Monitor the AK Tracking Spreadsheet updates on the Waste Isolation Pilot Plant (WIPP) sftp web site to identify additional containers for the waste stream RS lot.

[Q.1] Associate such containers with the next available indeterminate container sequence number.

[Q.2] Repeat steps 4.3.2[N] and 4.3.2[O] for the additional identified containers.

[Q.3] Notify the site SPM(s) and VPM(s) by e-mail when any such additional containers are selected for sampling or contingency hold pending potential sample selection.

[R] Upon completion of identification of all containers in the waste stream RS lot or upon reaching the maximum number of containers estimated in step 4.3.2[A], create a Subsequent Solids Random Sample Selection Memorandum or Subsequent Headspace Gas Random Sample Selection Memorandum to include, as a minimum, the following information:

- The name of the SPM performing RS preparing the memorandum.
- The identification of the waste stream and waste stream RS lot number.
- The date the memorandum is signed by the SPM performing RS.
- The title, date, and serial number of the previously issued Subsequent Solids Random Sample Candidate Selection Memorandum or Subsequent Headspace Gas Random Sample Candidate Selection Memorandum associated with this waste stream RS lot.
- The quantity of containers selected for Solids or HSG sampling and analysis and the number of containers identified as contingency selections.
- A complete listing of the randomly selected candidate container sequence numbers that were ultimately selected for Solids or HSG sampling and analysis using this random selection method, preserving the random-number-sorted order established in step 4.3.2[F] and showing the associated order of selection for sampling.
- Identification of all containers within the entire population of the waste stream RS lot.
- A listing of the correlation of randomly generated numbers selected, sequence numbers, and associated actual Container ID numbers.

[S] Attach the corresponding Solids or HSG Random Sample Selection Listing, when applicable.

[T] Sign the Subsequent Solids Random Sample Selection Memorandum or Subsequent Headspace Gas Random Sample Selection Memorandum created in step 4.3.2[R].

[U] Forward copies of the completed Subsequent Solids Random Sample Selection Memorandum or Subsequent Headspace Gas Random Sample Selection Memorandum to the SPM(s) and VPM(s) for the associated site.

[V] Submit the signed original Subsequent Solids Random Sample Selection Memorandum or Subsequent Headspace Gas Random Sample Selection Memorandum for the waste stream RS lot to the CCP Records Center.

SPM

4.3.3 Upon receipt of the RS Memorandum, verify that the sampling selection is random by confirming that each listed container in the RS lot has an associated random number assigned, **AND** verify that the RS lot has been sorted into ascending random number order for selection of the containers to be sampled.

4.3.4 Report those containers that have completed sampling and analysis to the SPM performing RS so that they may be released from shipping exclusion lists.

NOTE

If any container selected for sampling CAN **NOT** be sampled because it is removed from the waste stream, **OR** CAN **NOT** be safely retrieved and sampled, **OR** other adequate justification exists for removal from the RS population, the container may be replaced with a contingency container identified in Section 4.2 or Section 4.3 as next in order using the following step.

4.3.5 **IF** any container identified for sampling in Section 4.2 or Section 4.3 CAN **NOT** be sampled,
THEN perform the following:

[A] Replace the affected container with the container next in order among the identified contingency selections.

[B] **IF** sampling cannot be performed on a selected container or containers,
THEN prepare a Sample Selection Container Replacement Memorandum to include, as a minimum, the following information:

- Name of the SPM preparing the memorandum.
- Identification of the waste stream and waste stream RS lot number.
- The date the memorandum is signed by the SPM.
- The reasons sampling could not be successfully performed on the selected container(s) taken from the selection listing and substituted for the unsuccessfully sampled container(s).

[C] Sign the Sample Selection Container Replacement Memorandum.

[D] Forward copies of the completed Sample Selection Container Replacement Memorandum to the SPM performing the RS and VPM(s) for the associated site.

[E] Submit the signed original Sample Selection Container Replacement Memorandum for the waste stream RS lot to the CCP Records Center in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] **Solid Sampling**

[A.1] Solids Random Sample Selection Memorandum with attached listing when applicable.

[A.2] Subsequent Solids Random Sample Candidate Selection Memorandum with attached listing when applicable.

[A.3] Subsequent Solids Random Sample Selection Memorandum with attached listing when applicable.

[A.4] Sample Selection Container Replacement Memorandum when applicable.

[B] **HSG Sampling**

[B.1] Headspace Gas Random Sample Selection Memorandum with attached listing when applicable.

[B.2] Subsequent Headspace Gas Random Sample Candidate Selection Memorandum with attached listing when applicable.

[B.3] Subsequent Headspace Gas Random Sample Selection Memorandum with attached listing when applicable.

[B.4] Sample Selection Container Replacement Memorandum when applicable.

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CCP-TP-163

Revision 4

CCP
Evaluation of Waste Packaging Records for Visual Examination of Records

EFFECTIVE DATE: 06/18/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	11/16/2006	Initial issue.
1	11/12/2008	Revised to incorporate concurrent use with CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*.
2	03/11/2009	Response to U.S. Environmental Protection Agency (EPA) inspection number (EPA-INL-CCP-VE-TI, Issue number INL-CCP-RH-VE-TI-002CR).
3	04/24/2012	Revised to incorporate Standing Order CCP-SO-ANLE-002.
4	06/18/2013	Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.

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TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 4
2.3 Equipment List 5
2.4 Precautions and Limitations 5
2.5 Prerequisite Actions 5
2.6 Definitions 5

3.0 RESPONSIBILITIES 6
3.1 Visual Examination Operator (VEO) 6
3.2 Site Project Manager (SPM) 6

4.0 PROCEDURE 7

5.0 RECORDS 9

Controlled
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1.0 PURPOSE

This procedure provides the actions to evaluate waste packaging records intended for use in visual examination (VE), for the documentation required by CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*.

1.1 Scope

This procedure establishes the process for evaluation of waste packaging records generated by organizations external to Central Characterization Program (CCP) prior to the certification program. This procedure also provides direction to VE personnel for review of waste packaging records that will be accepted for performing VE in accordance with CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*, and CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*.

2.0 REQUIREMENTS

2.1 References

Referenced Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-TP-113, *CCP Standard Contact-Handled Waste Visual Examination*
- CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

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2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 None.

2.5 Prerequisite Actions

2.5.1 None.

2.6 Definitions

2.6.1 None.

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3.0 RESPONSIBILITIES

3.1 Visual Examination Operator (VEO)

3.1.1 Evaluates the waste packaging record to ensure the requirements are met as defined in this procedure.

3.2 Site Project Manager (SPM)

3.2.1 Evaluates waste packaging records determined by the VEO not to meet the requirements.

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4.0 PROCEDURE

VEO

4.1 Obtain the waste packaging records to be used for characterization of transuranic (TRU) mixed waste.

4.2 Ensure the waste packaging records meet the following minimum requirements for the type of record.

4.2.1 Waste packaging recorded on video/audio media

[A] The video/audio media recorded the waste packaging event for the container such that all waste items placed into the container are recorded in sufficient detail that another trained VEO can determine what the waste items are and their associated waste material parameter.

[B] The video/audio media captured the waste container identification number.

[C] The personnel loading the waste container are identified on the video/audio media or on packaging records traceable to the loading of the waste container.

[D] The date of loading of the waste container is recorded on the video/audio media or on packaging records traceable to the loading of the waste container.

NOTE
The use of waste packaging written records generated using two operators requires the prior approval of the Carlsbad Field Office (CBFO).

4.2.2 Waste packaging performed using two generator site personnel

[A] At least two generator site personnel approved the data forms or packaging records attesting to the contents of the waste container.

[B] The data forms or packaging records contain an inventory of waste items in sufficient detail that another trained VE Operator can identify the associated waste material parameters.

[C] The waste container identification number is recorded on the data forms or packaging records.

4.3 **IF** the waste packaging record DOES **NOT** meet the requirements listed above, **THEN** contact the SPM for further direction.

4.4 **IF** the waste packaging record meets the requirements listed above, **THEN** perform VE in accordance with CCP-TP-500 for remote-handled (RH) waste, or CCP-TP-113 for contact-handled (CH) waste.

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5.0 RECORDS

5.1 There are no records generated by the performance of this procedure.

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CCP-TP-175

Revision 3

CCP
Analysis of Gas Samples for VOCs by GC/MS

EFFECTIVE DATE: 08/02/2011

Larry Porter

PRINTED NAME

APPROVED FOR USE

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RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	05/02/2007	Initial Issue.
1	03/29/2010	Since sample compositing will no longer be performed, one of the criteria for determining if a non-target compound is a Tentatively Identified Compound (TIC) is being changed back to the original Permit non-composited samples requirement. The procedure is being changed back to the requirement that an unknown (non-target) compound is a TIC if the total ion area greater than 10 percent of the nearest internal standard. Deleting the use of maintenance logbook as it is not a Permit requirement and updating some procedure references.
2	12/29/2010	Revised to implement the renewal changes of the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit*.
3	08/02/2011	Revised to accommodate the use of the new gas chromatography/mass spectrometry (GC/MS) instruments and autosampler.

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1. ABSTRACT

The Environmental Chemistry Laboratory (ECL) uses this Central Characterization Project (CCP) procedure to provide instructions for conducting gas chromatography/mass spectrometry (GC/MS) analyses of gas samples containing high concentrations of volatile organic compounds (VOCs) collected in SUMMA® passivated canisters using a modification of United States Environmental Protection Agency (USEPA) Compendium Method TO-14 with mass flow controlled (MFC) sample introduction.

Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2. APPLICABILITY

2.1 This procedure is primarily designed to meet the requirements for analyses of headspace gas samples contained in SUMMA® canisters for CCP. This procedure may be applicable for other projects requiring similar determinations.

2.2 The VOC analytes of interest for CCP support are listed in Table 1, Method performance must be successfully demonstrated for other VOC compounds prior to use.

2.3 The calibration range of the method usually is 75 nanograms (ng) to 1250 ng. However, the range can vary as long as one calibration point is below the Program Required Quantitation Limit (PRQL) and Data Quality Objective (DQOs) are met.

2.4 The method is designed for sample volumes ranging from 30 milliliters (mL) to 300 mL when using a Tekmar manual sample introduction system with a flow rate of 40 mL/minutes (min). The automated Markes sample introduction system uses volumes corresponding to times ranging from 0.5 minutes and upward independent of flow.

3. DISCUSSION

Appropriate dilution or pressurization of the sample SUMMA®canisters is performed on a Gas Transfer Manifold per CCP-TP-179, *CCP Gas Transfer Manifold Systems and Sample Compositing*. The SUMMA® canister containing the diluted sample is attached to the analytical system and sample is introduced using either a Tekmar manual sample introduction systemor an automated Markes sample introduction system. The VOCs are concentrated by collection on a solid sorbent trap. The temperature of the trap is raised and the VOCs collected are desorbed into the gas chromatograph. The VOCs are separated on a capillary column and detected using a mass spectrometer operating in the full scan mode. Internal standards and relative response factors are used for quantitation.

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4. SAFETY PRECAUTIONS

4.1 Chemical Hazards

4.1.1 Ensure that all instruments and SUMMA® canisters are vented to fume hoods or drop vents to prevent inhalation exposure to volatile organic compounds in gaseous samples and standards.

4.1.2 Wear safety glasses when injecting the liquid bromofluorobenzene (BFB) tuning standard.

4.1.3 Handle all chemicals per the requirements of LWP-14620, "Chemical Hygiene Plan." Wear appropriate personal protective equipment (PPE) per LI-1354-07-IRC/ECL, "Environmental Chemistry Laboratory (ECL) Gas Analysis Project."

4.2 Compressed Gas Hazards

4.2.1 Handle all compressed gases in accordance with LI-1354-07-IRC/ECL, "Environmental Chemistry Laboratory (ECL) Gas Analysis Project."

4.3 Physical Hazards

4.3.1 Exercise a high degree of awareness and caution when using syringes to inject the BFB tuning standard.

4.3.2 Use proper tools when connecting SUMMA® canisters to the analytical systems.

4.3.3 Exert the minimum force necessary while using hand tools to reduce the chance of tool slipping.

5. APPARATUS AND REAGENTS

5.1 Apparatus

5.1.1 Gas Chromatograph/Mass Spectrometer System

5.1.1.1 Gas Chromatograph: Hewlett Packard 5890 or equivalent.

5.1.1.2 Mass Spectrometer: Hewlett Packard 5970 or equivalent.

5.1.1.3 Sample Introduction System: Tekmar LSC-2, Markes, or equivalent.

5.1.1.4 Data System: HP Chem Station or equivalent.

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5.1.1.5 J&W Scientific capillary column, 0.53 millimeter (mm) Internal Diameter (I.D.), 75 meters long with a 3.0 micrometer film thickness, or equivalent**.**

5.1.1.6 GC/MS Interface: jet separator or capillary direct.

5.1.2 10 µL blunt needle micro syringe.

5.1.3 Tekmar #8 Carbopak/Carbosieve or equivalent for trap.

5.1.4 SUMMA® passivated canisters or equivalent, Scientific Instrumentation Specialists or equivalent, 250 mL to 6000 mL capacity.

5.1.5 Mass Flow Controller, Matheson Model 8270 or equivalent.

5.1.6 Totalizer, Matheson Model SP-1793 or equivalent.

NOTE: *The mass flow controller and the totalizer used in conjunction with the manual Tekmar sample introduction system are calibrated as a unit, and must have current calibration stickers from the INL Standards and Calibration Laboratory.*

5.1.7 Gas Transfer Manifold (see CCP-TP-179).

5.1.8 Wrenches, open-end, various sizes.

5.2 Reagents

5.2.1 Reagents

5.2.1.1 Methanol (CH_3OH), Burdick and Jackson special purge and trap grade or equivalent.

5.2.1.2 Helium, ultra high purity (UHP).

5.2.1.3 Nitrogen, UHP.

5.2.2 Standard Gases

5.2.2.1 Calibration Stock Gas Standards

Stock gas calibration standard cylinder(s) of all analytes listed in Table 1 containing an appropriate concentration such as approximately 20 ng/mL or 5 ng/mL of each analyte are purchased commercially. The stock gas standards must be certified by the manufacturer, and must have a known, valid relationship to a nationally recognized standard (i.e., NIST), when available.

5.2.2.2 Internal Standards (ITSDs)

The recommended internal standards are fluorobenzene and chlorobenzene-d_5. Stock gas standards may be obtained from Scott Specialty Gases (or equivalent) at appropriate concentrations (concentrations near the midpoint of the intended calibration curve). The stock gas standard must be certified by the manufacturer, and must have a known, valid relationship to a nationally-recognized standard (i.e., NIST), when available.

Example of the preparation of a secondary internal standard:

NOTE: *Secondary standard preparation is not necessary if standard was purchased at a concentration that can be used directly.*

Prepare a secondary standard at approximately 3 ng/mL by transferring an amount (in torr) of the stock standard to a SUMMA® canister such that the ratio of the partial pressures of the ITSDs to the total pressure in the SUMMA® canister when multiplied by the initial concentration of the ITSDs gives approximately 3 ng/mL (e.g., for a 10 ng/mL stock standard, 10 ng/mL x 1100 torr/4000 torr = 2.75 ng/mL). The total pressure inside the SUMMA® canister should always be less than 4000 torr.

5.2.3 Calibration Gas Standards

Prepare, if necessary, a secondary calibration gas standard containing all target analytes at an appropriate concentration; usually 5 ng/mL. This standard is prepared in the same manner as the example in Section 5.2.2.2. Secondary standards are prepared fresh at least every 18 months.

NOTE: *Calibration gas standards for site-specific analytes may be prepared separately.*

5.2.4 Tuning Standard

Prepare a 1,4-bromofluorobenzene (BFB) standard at 25 ng/mL in methanol for injection as a liquid into the injection port of the GC. This standard is remade at least every 18 months. If there is no available injection port on the GC, use a BFB gas standard purchased commercially. The stock gas standards must be certified by the manufacturer, and must have a known, valid relationship to a nationally-recognized standard (i.e., National Institute of Standards and Technology [NIST]), or make a BFB gas standard from liquid BFB in a 6 liter summa canister.

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5.2.5 QC Standards

5.2.5.1 Continuing Calibration (CCAL) Standard

A 5 ng/mL calibration standard or equivalent may be used as the CCAL standard.

5.2.5.2 Laboratory Control Sample (LCS)

Prepare the LCS from gas stock standard containing at least 6 of the target analytes in Table 1 or purchase a gas standard at the intended concentration. The stock gas standards must be certified by the manufacturer, and must have a known, valid relationship to a nationally-recognized standard (i.e., NIST). The standard must be purchased from a different source than the calibration stock standards. Secondary standards are remade at least once every 18 months.

5.2.5.3 Laboratory Blanks (LBs)

Laboratory blanks consist of SUMMA®canisters filled with ultra high purity nitrogen using the Gas Transfer Manifold (see CCP-TP-179).

5.2.5.4 Method Performance Samples

Prepare standards used to determine or demonstrate method performance (e.g., Method Detection Limit (MDLs), precision and accuracy) by diluting the stock gas calibration standards or the LCS gas stock standard to appropriate concentrations, if necessary. Standards used for method performance demonstration must include all target analytes listed in Table 1.

NOTE: *Site-specific analytes may be contained in separate standards.*

6. SAMPLE HANDLING

6.1 IF samples were received in containers other than SUMMA®canisters, THEN transfer them to SUMMA® canisters before analysis.

6.2 Store SUMMA® canisters at room temperature (<40 degrees Celsius [°C]) prior to analysis.

6.3 Use SUMMA® canisters cleaned per CCP-TP-178, *CCP SUMMA® Canister Cleaning*, for sample and standard transfers and dilutions.

6.4 Maintain the VOC analysis laboratory free of solvents in order to minimize laboratory cross-contamination.

6.5 Avoid use of non- tetrafluoroethylene (TFE) plastic coating, non-TFE thread sealants or flow controllers with rubber components in the analytical system.

6.6 Pressurize all samples to at least one atmosphere (atm) above ambient either during collection or by means of a gas transfer manifold (see CCP-TP-179). Use any resultant dilution data to calculate the final results.

6.7 Screen all samples other than blanks and those of known concentration using GC/FID (see CCP-TP-173, *CCP Analysis of Gas Samples for VOCs by GC/FID*) or another appropriate method prior to GC/MS analysis.

6.7.1 Based on the Gas Chromatograph/Flame Ionization Detector (GC/FID) screen data or other screen data, dilute the sample so that the compound found at the highest concentration in the screen will put approximately 850 ng (assuming an initial calibration curve of 30 ng - 1000 ng) into the GC/MS system.

Example: The GC screen gives a concentration for carbon tetrachloride (molecular weight = 153.82) of 800 ppmv in a sample diluted 3.5 times.

1. Convert parts per million by volume (ppmv) to ng/mL.

$$ng/mL = \frac{ppmv \times mw}{24.5 \times D} = \frac{800 \times 153.82}{24.5 \times 3.5} = 1435\ ng/mL$$

where: mw = molecular weight,
D = dilution factor, and
GC loop size = 1 mL.

2. Divide the sample ng/mL value by a number less than or approximately equal to 40 to yield a concentration in the approximate range of 8.5 ng/mL to 27 ng/mL, so that 30 mL to 100 mL of sample will deliver approximately 850 ng to the GC/MS system. This sample will require double dilution because:

$$\frac{1435}{40} = 35.9 \quad ng/mL$$

A possible dilution would be a 14x followed by a 12x:

$$\frac{1435}{14} = 102.5\ ng/mL \quad \text{and} \quad \frac{102.5}{12} = 8.5\ ng/mL \quad (use\ 100\ mL)$$

The total dilution factor for this sample would be:

$$3.5 \times 14 \times 12 = 588$$

7. PROCEDURES

7.1 GC/MS Operating Conditions

7.1.1 Typical GC/MS Operating Conditions

NOTE: *Operating conditions may be optimized as necessary as long as actual operating conditions used for sample analysis match those used for the associated Initial Calibration (ICAL).*

Electron Energy: 70 volts (nominal)

Mass Range: 35-260 amu, 29-260 amu (when methanol is an analyte)

Scan Time: One scan/second or enough to give 5 scan/peak

Source Temperature (5970 MS): According to manufacturers specifications 180-250°C

Jet Separator Heater (DetA) (5970 MS): 220°C

Transfer Line Temperature (DetB) (5970 MS): 225°C

Source Temperature (5975C MS): 230°C

Quadrapole Temperature (5975C MS): 150°C

Carrier Gas: UHP Helium at the appropriate flow for the column being used.

BFB Column Temperature: 130 °C and hold for 8 minutes (BFB)

Sample/Standard Column Temperature: 35°C for 8 minutes
8 °C/minute to 165 °C
20 °C/minute to 220 °C.

7.1.2 Trap Conditions for a Tekmar #8 Trap:

Initial temperature	< 30 °C
Desorb preheat	100 ° C
Desorb	4 minutes @ 220 °C
Bake trap	260 °C (see 7.5.18)

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7.1.3 Trap Conditions for a Markes U-T15ATA-25 Trap:

Initial temperature 25°C

Maximum heating rate to 280°C and hold for 3 minutes

7.2 Analytical Run Sequence for Sample Analysis

7.2.1 Initial Calibration (ICAL) Sequence

- BFB tune
- Calibration standards

7.2.2 Daily Analytical Run Sequence

- BFB Tune
- Continuing Calibration Standard*
- Laboratory Blank
- Laboratory Control Sample (one per analytical batch)
- Samples
- Sample Duplicate (one per analytical batch)

* IF samples are analyzed immediately following an ICAL, THEN use the ~500 ng ICAL standard as the daily CCAL for comparing internal standard areas and retention times.

7.3 BFB Tuning Procedures

7.3.1 At the beginning of each 12 hours of operation or prior to a calibration, inject 50 ng of BFB Standard onto the column using the injection port of the GC or inject BFB as a gas directly onto the trap.

7.3.2 Check the key ion abundance against the criteria in Table 2 BFB Key Ion Abundance Criteria.

7.3.2.1 IF the key ion abundance criteria in Table 2 are met, THEN proceed with analyses.

7.3.2.2 IF the key ion abundance criteria in Table 2 are NOT met, THEN correct the problem and repeat the BFB tune (step 7.3) until it is acceptable.

7.4 Calibration Procedures

7.4.1 Initial Calibration (ICAL)

7.4.1.1 Meet the BFB tune criteria (see Section 7.3).

7.4.1.2 Using calibration canisters containing all analytes at appropriate concentrations, and the canister containing internal

standards analyze six standards for calibration according to the procedures given in Section 7.5. See Table 3 Example Calibration Levels.

NOTE: *Six standards are normally analyzed. Five calibration points may be used if necessary as long as the low calibration point is at or below the PRQL.*

7.4.1.3 Calculate the relative response factors (RRF) for each analyte in each of the calibration standards using equation 9.1.

7.4.1.4 Calculate the percent relative standard deviation (%RSD) of the RRF over the calibration points, using equation 9.2.

7.4.1.4.1 IF the % RSD for all analytes is < 35%,
THEN proceed with sample analyses..

7.4.1.4.2 IF the %RSD for any target analyte is ≥35,
THEN correct the problem and repeat the ICAL (step 7.4.1.2 through 7.4.1.4).

7.4.1.5 After a valid ICAL has been achieved, analyze a LCS standard prior to analysis of any samples to provide second-source verification of the calibration.

7.4.1.5.1 Calculate the percent recovery (%R) of all target analytes in the LCS, using equation 9.6.

7.4.1.5.2 IF the %Rs for all analytes in the LCS are between 70and 130,
THEN proceed with continuing calibration and sample analyses.

7.4.1.5.3 IF the %R for any target analyte in the LCS does not meet the 70 to 130 criteria,
THEN perform corrective action per Section 8.1.4 before proceeding with analyses of samples**.**

7.4.2 Continuing Calibration (CCAL)

7.4.2.1 Meet BFB tune criteria (see Section 7.3).

7.4.2.2 Using 5 ng/mL calibration standard, deliver a midrange standard (≈ 500 ng) to the analytical system (see Section 7.5 or 7.6).

7.4.2.3 Using computer software, calculate the RRFs for each target analyte according to equation 9.1.

7.4.2.4 Using computer software, calculate the percent difference (%D) between the initial calibration average RRFs and the CCAL RRFs for each analyte, according to equation 9.3.

7.4.2.4.1 IF the % D ≤ 30 for each target analyte
AND the retention time (RT) of each target analyte is within 30 seconds of the average ICAL retention time,
THEN proceed with sample analyses.

7.4.2.4.2 IF the %D for any target analyte is >30,
OR the RT for any target analyte is more than 30 seconds from the average ICAL RT,
THEN perform corrective actions per Section 8.1.6 before proceeding with sample analysis.

7.5 Analysis Procedures Instrumental Operation if using the Tekmar Manual Sample Introduction System.

7.5.1 Set the mass flow on the MFC to 40 mL/min (in the Set position) with the valve in the control position.

7.5.2 Change the position of the mass flow from Set to Read and flush the system with UHP nitrogen until a steady reading is obtained on the mass flow controller.

7.5.3 Using the current (i.e., valid calibration date) calibration correction table provided by the Standards and Calibration Laboratory (S&CL) (see example in Exhibit 1 MFC Calibration from S&CL (Example)), find the actual flow associated with the reading obtained from the mass flow controller while it was being flushed with UHP nitrogen.

7.5.4 Use the following equations to determine the correct number of counts (displayed on the Totalizer) corresponding to the volume that is to be injected.

$$C = m \times 40\,mL/\min$$

and

$$m = \frac{V}{a}$$

where: m = minutes,
a = actual reading in mL/min (as determined by S&CL),
V = volume you want to inject (mL),
C = counts displayed on the Totalizer.

7.5.5 Calculate the desired amount of sample or standard to be introduced to the trap.

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7.5.6 Attach the stainless steel transfer line from the MFC to the sample inlet port on the Liquid Sample Controller.

7.5.7 Verify that the trap temperature is less than 30 °C.

7.5.8 Attach the sample canister to the Swagelok® fitting on the Sample Introduction Manifold (SIM).

7.5.9 With the two-way valve at Vent position, open the canister valve and flip the toggle switch to allow flow through the MFC. Flush for 10 counts.

7.5.10 Turn the two-way valve to Stop position.

7.5.11 Reset the Totalizer and turn the two-way valve to Trap position.

7.5.12 When the predetermined number of counts has been reached, turn the two-way valve to Vent and close the canister valve.

7.5.13 Remove the canister from the SIM.

7.5.14 Attach the canister containing the internal standards to the Swagelok® fitting on the SIM and introduce the appropriate amount on to the trap (Steps 7.5.9 through 7.5.13).

7.5.15 Start the acquisition form on the Chemstation so the oven will cool.

7.5.16 Complete the acquisition form.

7.5.17 Step to Desorb Ready to begin data acquisition.

7.5.18 Flush the MFC and Tekmar lines at the completion of the desorb cycle on the Tekmar with UHP nitrogen (1-4minutes through the vent and 10-20 minutes through the trap).

7.5.19 IF a sample is analyzed that has saturated the detector, or shows concentrations of analytes greater than 10 times the upper limit of the initial calibration,
THEN follow that analysis by analysis of an UHP nitrogen blank.

7.5.19.1 IF the blank analysis is free of contamination (≤3 × Program-Required MDL),
THEN proceed with analysis of samples.

7.5.19.2 IF the blank analysis is not free of contamination (>3 × Program-Required MDL),
THEN decontaminate the system AND repeat the blank analysis until the ≤3 × Program-Required MDL criteria is met.

7.5.20 IF any analyte is detected during the initial analysis of a sample in an amount exceeding the initial calibration range,
THEN either dilute and reanalyze the sample or reanalyze it using a reduced sample aliquot volume until the analytes in question fall within the calibration range.

7.5.20.1 IF an analyte is not detected in the diluted or reduced volume sample but was detected in the initial analysis,
THEN report the initial analysis results AND the diluted/reduced volume results.

7.5.20.2 Report the diluted or reduced volume sample with the suffix DL appended to the sample number.

7.6 Analysis Procedures Instrumental Operation using the automated Markes Sample Introduction System.

7.6.1 Set up methods to run the Markes Sample Introduction System for BFB and individual standard concentrations and/or volumes intended for standard/sample introduction. For assistance see Table 7 "Example Method Parameters for Use with the Markes Sample Introduction System."

7.6.2 Attach the canister(s) to the system

7.6.3 Set up and/or select a sequence that includes the appropriate method(s) and hit start. The sample will run automatically.

7.6.4 Flush the Markes sample line at the completion of the run with UHP nitrogen (minimum of 4 minutes) or change the sample line.

7.6.5 IF a sample is analyzed that has saturated the detector, or shows concentrations of analytes greater than 10 times the upper limit of the initial calibration,
THEN follow that analysis by analysis of an UHP nitrogen blank.

7.6.5.1 IF the blank analysis is free of contamination (≤3 x Program-Required MDL),
THEN proceed with analysis of samples.

7.6.5.2 IF the blank analysis is not free of contamination (≤3 x Program-Required MDL),
THEN decontaminate the system AND repeat the blank analysis until the ≤3 x Program-Required MDL criteria is met.

7.6.6 IF any analyte is detected during the initial analysis of a sample in an amount exceeding the initial calibration range,
THEN either dilute and reanalyze the sample or reanalyze it using a reduced sample aliquot volume until the analytes in question fall within the calibration range.

7.6.6.1 IF an analyte is not detected in the diluted or reduced volume sample but was detected in the initial analysis, THEN report the initial analysis results AND the diluted/reduced volume results.

7.6.6.2 Report the diluted or reduced volume sample with the suffix DL appended to the sample number.

7.7 Data Evaluation

7.7.1 Target Analyte Qualitative Analysis

7.7.1.1 Identify target analytes by comparison of the sample mass spectrum with the mass spectrum of a standard of the suspected compound (standard reference mass spectrum). Standard reference mass spectra are obtained through analysis of calibration standards or spectra from the NIST library. Two criteria must be satisfied to verify identification.

- The sample component RRT must compare within ± 0.06 RRT units of the RRT of the standard component in the continuing calibration.
- The sample component and the standard component mass spectrum must correspond.

7.7.2 Target Analyte Quantitative Analysis

7.7.2.1 Quantitate identified target analytes based on the integrated abundance from the Extracted Ion Chromatogram Profile (EICP) of the primary characteristic ion (see Table 4 Characteristic Ions for Volatile Organic Compounds).

7.7.2.2 Use internal standard quantitation (calculations section 9.4), with the internal standard assigned in Table 5 VOC Internal Standards with Corresponding Analytes Assigned for Quantitation.

7.7.3 Tentatively Identified Compounds (TICs)

7.7.3.1 Qualitative Identification

7.7.3.1.1 Perform a search against a NIST mass spectral library for all unknown (non-target) compounds having a total ion area greater than 10% of the nearest internal standard.

NOTE: *At a minimum, the NIST library must contain all available spectra for VOC compounds that appear*

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in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list (see Table 6).

7.7.3.1.2 Evaluate the unknowns against the results of the library search for tentative identification according to the following guidelines:

- Relative intensities of major ions in the reference spectrum (ions greater than 10% of the most abundant ion) should be present in the sample spectrum.
- The relative intensities of the major ions should agree within ± 20 %.
- Molecular ions present in the reference spectrum should be present in the sample spectrum.
- Ions present in the sample spectrum but not in the reference spectrum should be reviewed for possible background contamination or presence of coeluting compounds.
- Ions present in the reference spectrum but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting peaks.

7.7.3.1.3 Report TICs which meet the above criteria and which are Appendix VIII VOC compounds.

7.7.3.2 Estimate the concentrations for TICs, using the equation in section 9.4, with the following modifications:

- the areas A_X and A_{IS} are from the total ion chromatograms,
- the RRF for the compound is assumed to be one (1).
- the nearest internal standard free of interference is used.

7.8 Data Recording and Review by Data Generator

7.8.1 Data Recording

7.8.1.1 Document analysis run sequences in the GC/MS Use Logbook. At a minimum, logbook entries must contain the analysis date, lab sample ID, dilution factor, sample volume, and data file ID.

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7.8.1.2 Record preparation of BFB solutions and gas standards in GC/MS Standard Preparation Logbook.

7.8.1.3 Maintain data files on the hard drive of the computer or on diskette until the original report and raw data records are appropriately stored.

7.8.2 Data Review

7.8.2.1 Review, initial, and date all raw data generated (Exhibits 2-5).

7.8.2.1.1 Mark with an "X" on the quant report those target analytes that are not to be reported as hits.

7.8.2.1.2 On the individual target compound spectra, note whether or not the compound is to be reported as a hit (e.g., "Yes" for report, "No" for Do Not Report).

7.8.2.1.3 IF a compound is not to be reported, THEN provide justification (e.g., "Below MDL" or "Wrong RT").

7.8.2.1.4 Mark each non-target compound (TIC) as “Report” or “Do Not Report” on the raw data (see step 7.6.3).

7.8.2.1.4.1 Provide justification for any TIC marked Do Not Report (e.g., “does not meet criteria”).

7.8.2.1.4.2 Identify the compound name to be used for reportable TICs.

7.8.2.2 Complete a Supplemental Data Input Sheet (Exhibit 6) for each analytical run sequence.

7.8.2.3 Complete a Data Generator Checklist (see example in Exhibit 7) for each analytical run sequence.

7.9 Data Reporting

7.9.1 Report sample results in units of ppmv to two significant figures.

7.9.2 Use rounding rules and assign data qualifying flags per the requirements of CCP-TP-188, *CCP Analytical Data Recording, Review and Reporting*.

7.9.3 Generate reporting forms for sample and QC results (see examples in Exhibits 8-17).

7.9.4 Assemble a batch data report in the following format:

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- Data Report Cover page and Table of Contents
- Sample Identification Table/Analysis Request Form
- Sample Custody Documents and Sample Tag
- Analysis Results
  - Sample Results Forms
- Quality Control Measurements Results
  - Laboratory Duplicate Comparison Form
  - Laboratory Blank Summary Form
  - Laboratory Blank Results Form
  - Internal Standard Area Form
  - Laboratory Control Sample Results Form
- Calibration Results
  - BFB Tune Form
  - Initial Calibration Form
  - Continuing Calibration Forms
  - MDL Reporting Form
- Data Review Checklists

8. QUALITY CONTROL REQUIREMENTS

8.1 Calibration

8.1.1 An ICAL relating instrument response to nanograms of analyte is required to implement the analysis method. A new ICAL is required whenever indicated as corrective action for noncompliant QC results or whenever the instrument operating conditions or chromatographic column are changed.

8.1.2 An ICAL is valid if the %RSD of the RRFs for each target analyte is less than 35% (see Section 7.4.1). If this specification is not met, corrective action must be taken (i.e., identify and correct problem, and recalibrate).

8.1.3 After each ICAL, an LCS is analyzed to provide second-source verification of the ICAL.

8.1.4 Recovery of all analytes in the LCS must be between 70% and 130%. If this specification is not met, the LCS standard may be remade and reanalyzed to eliminate LCS standard preparation as the source of error. If the reanalysis of the LCS still does not meet specification, further corrective actions must be implemented.

8.1.5 A CCAL is required at the beginning of every 12 hours of instrument operation.

8.1.6 A CCAL is valid if the %D between ICAL and CCAL RRFs is ≤ 30% for all target analytes and the RT of each analyte is within 30 seconds of the

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average ICAL retention time (see Section 7.4.2). If this specification is not met, corrective action must be taken (e.g., identify and correct problem, recalibrate) before sample analysis can proceed.

8.2 Internal Standard Areas (ISAs)

8.2.1 The ISAs of the CCAL must be within 50 to 200% of the average internal standard areas from the current valid ICAL. If this specification is not met, corrective action must be taken (e.g., identify and correct problem, recalibrate) before sample analysis can proceed.

8.2.2 The ISAs for each sample must be within 50 to 200% of the associated CCAL ISAs. If this specification is not met, the problem must be identified and corrected before sample analysis can proceed.

8.3 Laboratory Blank (LB)

8.3.1 One LB (usually 100 mL UHP nitrogen) must be analyzed daily after the CCAL but before sample analysis.

8.3.2 LB results are acceptable if the amount of any individual analyte in the blank is less than or equal to three times the Program-Required MDL (see Table 1). If this specification is not met, the source of the contamination must be identified and eliminated before sample analysis can proceed.

8.4 Laboratory Control Sample (LCS)

8.4.1 One LCS must be analyzed per analytical batch. The LCS standard must be second-source to the calibration standards.

8.4.2 LCS results are acceptable if the percent recovery of all analytes is 70%-130%. If the LCS results do not meet specification, the LCS may be remade and reanalyzed to eliminate LCS preparation as the source of error. If the reanalysis is still noncompliant, sample analyses must be stopped until the problem is identified and corrected. All associated samples in the analysis batch must then be reanalyzed.

Obsolete

8.5 Laboratory Duplicates

8.5.1 A field canister must be analyzed in duplicate at a frequency of one per analytical batch.

8.5.2 For samples having analyte concentrations greater than or equal to the respective PRQLs, laboratory duplicate Relative Percent Difference (RPD) must be ≤ 25. If this specification is not met, a nonconformance report (NCR) must be initiated per CCP-QP-005, *CCP TRU Nonconforming item Reporting and Control.*

8.5.3 If none of the field samples in an analytical batch contain any of the target analytes, the LCS must be analyzed in duplicate for that batch. Specification limits for duplicate LCSs are the same as those for field sample laboratory duplicates.

8.6 Method Detection Limits (MDLs)

8.6.1 Method detection limits (MDLs) are expressed in nanograms for VOCs, and must be demonstrated to be less than or equal to the Program-Required MDLs (see Table 1).

8.6.2 MDLs are determined as described in CCP-TP-176, *CCP Determination of Method Detection Limits for Gas Analysis*. MDLs must be determined semiannually.

8.7 Precision and Accuracy (P&A) Demonstrations

8.7.1 P&A must be acceptably demonstrated by initially analyzing seven replicate method performance samples (see Section 5.2.5.4) and achieving precision of ≤ 25 % relative standard deviation (%RSD) and mean accuracy of 70 to 130 recovery.

8.7.2 After the initial P&A performance is acceptable, acceptable performance must be demonstrated semiannually by analyzing at least four replicate method performance standards and evaluating those results against the initial P&A specifications.

9. CALCULATIONS

9.1 Relative Response Factors (RRFs)

$$RRF = \frac{A_X C_{IS}}{A_{IS} C_X}$$

where: A_x = area of characteristic ion for compound being measured,
A_{IS} = area of characteristic ion for the specific internal standard,
C_{IS} = concentration of the specific internal standard,
C_x = concentration of the compound being measured.

Obsolete

9.2 Percent Relative Standard Deviation (%RSD)

$$\%RSD = \frac{s}{\bar{x}} \times 100$$

where: %RSD = percent relative standard deviation,
$\bar{x}$ = mean of initial calibration RRFs for a compound,
s = standard deviation of initial calibration RRFs for a compound.

and

$$s = \sqrt{\frac{\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2}{n-1}}$$

where: x_i = measured value, i^{th} replicate sample analysis,
n = number of replicate analyses.

9.3 Percent Difference (%D)

$$\%D = \frac{\left|RRF_I - RRF_C\right|}{RRF_I} \times 100$$

where: RRF_I = average relative response factor from ICAL,
RRF_C = relative response factor from CCAL.

9.4 Internal Standard Quantitation

$$Concentration\,(ppmv) = \frac{A_x \times C_{IS} \times R \times T \times D}{A_{IS} \times RRF \times V_0 \times C \times MW}$$

where: A_x = area of the characteristic ion for compound of interest,

$$Nanograms\ of\ analyte\ (value\ on\ quant\ report) = \frac{A_x \times C_{IS}}{A_{IS} \times RRF}$$

C_{IS} = amount (nanograms) of the internal standard,
A_{IS} = area of the characteristic ion of the internal standard,
D = dilution factor (listed on bench sheet),
C = 1 (correction factor if needed),
MW= molecular weight (g/mol) of compound being measured,
RRF= average ICAL RRF for compound being measured,
RT = Universal Gas Constant times temperature,
V_O = volume (mL) of sample delivered to the analytical system.

9.5 Relative Percent Difference (RPD)

$$RPD = \frac{|C_S - C_D|}{\left(\frac{C_S + C_D}{2}\right)} \times 100$$

where: C_S = sample concentration (ppmv),
C_D = duplicate concentration (ppmv).

9.6 LCS Percent Recovery (%R)

$$\%R = \frac{C_m}{C_t} \times 100$$

where: C_m = measured value (ng) of LCS,
C_t = true (known) value of LCS standard (ng).

10. RECORDS

Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management*. The records are the following:

QA/Nonpermanent

- ICAL
- MDL
- Precision and Accuracy (P&A) Documentation

The following records generated during the performance of this procedure will be compiled into the Data Report in accordance with CCP-TP-188, *CCP Analytical Data Recording, Review and Reporting.*

QA/Nonpermanent

- Copy of applicable pages of GC/MS Use Logbook
- Copy of applicable pages of GC/MS Standard Preparation Logbook
- Raw Data/Instrument Printouts

11. REFERENCES

11.1 U.S. Environmental Protection Agency (U.S. EPA), 1988a, Compendium Method TO-14, The Determination of Volatile Organic Compounds (VOC) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analyses, May 1988, Quality Assurance Division, Environmental Monitoring Systems Laboratory, Research Triangle Park, North Carolina.

Obsolete

11.2 U.S. EPA, 1988b, Compendium Method TO-2, The Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Absorption and Gas Chromatography/Mass Spectrometry (GC/MS), Quality Assurance Division, Environmental Monitoring Systems Laboratory, Research Park, North Carolina.

11.3 J. H. Myron Stephenson, F. Allen, and T. Slagle, 1990, EPA/Air and Waste Management Association-International Symposium on Measurement of Toxic and Related Air Pollutants.

11.4 LI-1354-07-IRC/ECL, "Environmental Chemistry Laboratory (ECL) Gas Analysis Project."

11.5 LWP-14620, "Chemical Hygiene Plan".

11.6 CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan.*

11.7 CCP-QP-002, *CCP Training and Qualification Plan.*

11.8 CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control.*

11.9 CCP-QP-008, *CCP Records Management*

11.10 CCP-TP-173, *CCP Analysis of Gas Samples for VOCs by GC/FID.*

11.11 CCP-TP-176, *CCP Determination of Method Detection Limits for Gas Analysis*

11.12 CCP-TP-178, *CCP SUMMA® Canister Cleaning.*

11.13 CCP-TP-179, *CCP Gas Transfer Manifold Systems and Sample Compositing.*

11.14 CCP-TP-188, *CCP Analytical Data Recording, Review, and Reporting*.

Obsolete

Exhibit 1. MFC Calibration from S&CL (Example)

PROPERTY # 711205 DATE:13 May 1996

UUT IN SCCM	0.000	.100	.200	.300	.400	.500	.600	.700	.800	.900
20.00:	20.4669	20.5772	20.6875	20.7979	20.9082	21.0185	21.1288	21.2391	21.3494	21.4597
21.00:	21.5699	21.6802	21.7905	21.9008	22.0110	22.1213	22.2316	22.3418	22.4521	22.5623
22.00:	22.6725	22.7828	22.8930	23.0032	23.1135	23.2237	23.3339	23.4441	23.5543	23.6645
23.00:	23.7747	23.8849	23.9951	24.1053	24.2154	24.3256	24.4358	24.5459	24.6561	24.7663
24.00:	24.8764	24.9866	25.0967	25.2068	25.3170	25.4271	25.5372	25.6473	25.7574	25.8676
25.00:	25.9777	26.0878	26.1979	26.3079	26.4180	26.5281	26.6382	26.7483	26.8583	26.9684
26.00:	27.0785	27.1885	27.2986	27.4086	27.5187	27.6287	27.7387	27.8488	27.9588	28.0688
27.00:	28.1788	28.2888	28.3988	28.5088	28.6188	28.7288	28.8388	28.9488	29.0588	29.1688
28.00:	29.2787	29.3887	29.4987	29.6086	29.7186	29.8285	29.9385	30.0484	30.1583	30.2683
29.00:	30.3782	30.4881	30.5980	30.7079	30.8178	30.9278	31.0377	31.1475	31.2574	31.3673
30.00:	31.4772	31.5871	31.6969	31.8068	31.9167	32.0265	32.1364	32.2462	32.3561	32.4659
31.00:	32.5758	32.6856	32.7954	32.9052	33.0151	33.1249	33.2347	33.3445	33.4543	33.5641
32.00:	33.6739	33.7837	33.8934	34.0032	34.1130	34.2228	34.3325	34.4423	34.5520	34.6618
33.00:	34.7715	34.8813	34.9910	35.1007	35.2105	35.3202	35.4299	35.5396	35.6493	35.7591
34.00:	35.8688	35.9784	36.0881	36.1978	36.3075	36.4172	36.5269	36.6365	36.7462	36.8559
35.00:	36.9655	37.0752	37.1848	37.2945	37.4041	37.5137	37.6234	37.7330	37.8426	37.9522
36.00:	38.0618	38.1714	38.2810	38.3906	38.5002	38.6098	38.7194	38.8290	38.9386	39.0481
37.00:	39.1577	39.2673	39.3768	39.4864	39.5959	39.7055	39.8150	39.9245	40.0341	40.1436
38.00:	40.2531	40.3626	40.4721	40.5817	40.6912	40.8007	40.9102	41.0196	41.1291	41.2386
39.00:	41.3481	41.4576	41.5670	41.6765	41.7859	41.8954	42.0048	42.1143	42.2237	42.3332
40.00:	42.4426	42.5520	42.6615	42.7709	42.8803	42.9897	43.0991	43.2085	43.3179	43.4273
41.00:	43.5367	43.6461	43.7554	43.8648	43.9742	44.0835	44.1929	44.3023	44.4116	44.5210
42.00:	44.6303	44.7396	44.8490	44.9583	45.0676	45.1769	45.2863	45.3956	45.5049	45.6142
43.00:	45.7235	45.8328	45.9420	46.0513	46.1606	46.2699	46.3792	46.4884	46.5977	46.7069
44.00:	46.8162	46.9254	47.0347	47.1439	47.2532	47.3624	47.4716	47.5808	47.6900	47.7993
45.00:	47.9085	48.0177	48.1269	48.2361	48.3452	48.4544	48.5636	48.6728	48.7820	48.8911
46.00:	49.0003	49.1094	49.2186	49.3277	49.4369	49.5460	49.6552	49.7643	49.8734	49.9825
47.00:	50.0917	50.2008	50.3099	50.4190	50.5281	50.6372	50.7463	50.8554	50.9644	51.0735
48.00:	51.1826	51.2917	51.4007	51.5098	51.6188	51.7279	51.8369	51.9460	52.0550	52.1640
49.00:	52.2731	52.3821	52.4911	52.6001	52.7091	52.8181	52.9271	53.0361	53.1451	53.2541
50.00:	53.3631	53.4721	53.5810	53.6900	53.7990	53.9079	54.0169	54.1258	54.2348	54.3437
51.00:	54.4527	54.5616	54.6705	54.7795	54.8884	54.9973	55.1062	55.2151	55.3240	55.4329
52.00:	55.5418	55.6507	55.7596	55.8685	55.9773	56.0862	56.1951	56.3039	56.4128	56.5216
53.00:	56.6305	56.7393	56.8482	56.9570	57.0658	57.1747	57.2835	57.3923	57.5011	57.6099
54.00:	57.7187	57.8275	57.9363	58.0451	58.1539	58.2627	58.3714	58.4802	58.5890	58.6977
55.00:	58.8065	58.9153	59.0240	59.1327	59.2415	59.3502	59.4590	59.5677	59.6764	59.7851
56.00:	59.8938	60.0025	60.1112	60.2199	60.3286	60.4373	60.5460	60.6547	60.7634	60.8720
57.00:	60.9807	61.0894	61.1980	61.3067	61.4153	61.5240	61.6326	61.7413	61.8499	61.9585
58.00:	62.0672	62.1758	62.2844	62.3930	62.5016	62.6102	62.7188	62.8274	62.9360	63.0446
59.00:	63.1531	63.2617	63.3703	63.4788	63.5874	63.6960	63.8045	63.9131	64.0216	64.1301
60.00:	64.2387	64.3472	64.4557	64.5642	64.6728	64.7813	64.8898	64.9983	65.1068	65.2153
61.00:	65.3238	65.4322	65.5407	65.6492	65.7577	65.8661	65.9746	66.0831	66.1915	66.3000
62.00:	66.4084	66.5168	66.6253	66.7337	66.8421	66.9506	67.0590	67.1674	67.2758	67.3842
63.00:	67.4926	67.6010	67.7094	67.8178	67.9261	68.0345	68.1429	68.2513	68.3596	68.4680
64.00:	68.5763	68.6847	68.7930	68.9014	69.0097	69.1180	69.2264	69.3347	69.4430	69.5513
65.00:	69.6596	69.7679	69.8762	69.9845	70.0929	70.2011	70.3094	70.4177	70.5259	70.6342
66.00:	70.7425	70.8507	70.9590	71.0672	71.1755	71.2837	71.3920	71.5002	71.6084	71.7166
67.00:	71.8249	71.9331	72.0413	72.1495	72.2577	72.3659	72.4741	72.5823	72.6905	72.7986
68.00:	72.9068	73.0150	73.1231	73.2313	73.3395	73.4476	73.5558	73.6639	73.7720	73.8802
69.00:	73.9883	74.0964	74.2045	74.3127	74.4208	74.5289	74.6370	74.7451	74.8532	74.9613

STD FLOW SCCM

PROPERTY # 711205 DATE:13 May 1996

Obsolete

Exhibit 2. Quant Report (Example)

Quantitation Report

Data File : C:\INSTR_E\ECL02175\A02EG.D Vial: 1
Acq On : 2 Apr 2002 1:41 pm Operator:
Sample : 02087017C 3.0933X 100ML Inst : E
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 2 14:12 2002 Quant Results File: WPED047.RES

Quant Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930
Last Update : Wed Jan 09 10:17:40 2002
Response via : Initial Calibration
DataAcq Meth : WIPP75

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	12.62	96	1992231	270.00	ng		0.00
19) Chlorobenzene-d5	19.31	117	1156096	260.00	ng		0.00
System Monitoring Compounds							
Target Compounds							Qvalue
3) Methylene Chloride	5.97	84	136041	68.67	ng		96
4) 1,1,2-Trichlorotrifluoroet	4.91	101	13747	3.11	ng	#	62
5) 1,1 Dichloroethene	4.86	96	6176	3.11	ng	#	80
6) 1,1-Dichloroethane	7.80	63	315175	72.02	ng		97
8) Chloroform	10.53	83	52234	11.45	ng		99
9) 1,2-Dichloroethane	11.93	62	16191	5.21	ng		92
10) 1,1,1-Trichloroethane	10.93	97	2557896	595.11	ng		100
11) Carbon Tetrachloride	11.37	117	16498	4.55	ng		89
12) Trichloroethene	13.52	130	489882	221.35	ng		99
13) Cyclohexane	11.29	56	113383	0.24	ng	#	8
14) Benzene	11.87	78	91788	15.48	ng		98
15) Acetone	4.94	43	1796087m	635.61	ng		99
16) 2-Butanone	9.63	72	143958	122.12	ng		93
17) 1-Butanol	13.55	56	50983	42.02	ng		94
23) Toluene	16.41	92	1751854	451.69	ng		93
24) Chlorobenzene	19.37	112	10510	2.54	ng		95
25) Ethylbenzene	19.64	106	5471	2.70	ng	#	82
26) Xylene (meta & para)	19.88	106	20234	7.67	ng		95
27) Xylene (ortho)	20.70	106	7371	3.09	ng		80
28) 1,3,5-Trimethylbenzene	22.70	105	11764	2.03	ng		75
29) 1,2,4-Trimethylbenzene	23.45	105	15745	2.83	ng		96
30) 4-Methyl-2-Pentanone	16.04	43	25570m	5.33	ng		77

(#) = qualifier out of range (m) = manual integration JJH 4-2-02
A02EG.D WPED047.M Tue Apr 02 14:12:17 2002 4-2-02 Page 1

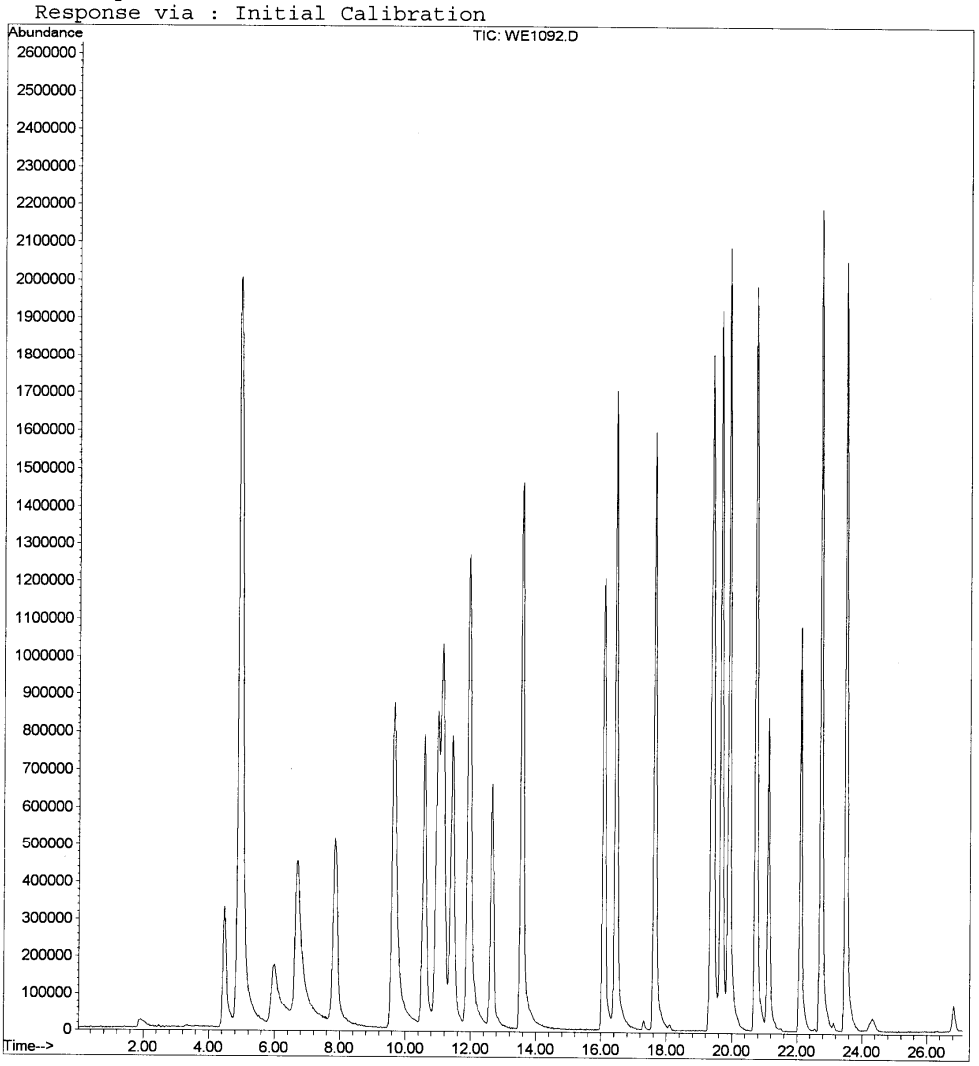
Obsolete

Exhibit 3. Reconstructed Total Ion Chromatogram (Example)

Quantitation Report

Data File : C:\INSTR_E\ECL02228\WE1092.D Vial: 1
Acq On : 26 Apr 2002 7:49 am Operator:
Sample : ACMM-9930-CCAL 1X 100ML Inst : E
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2002 Quant Results File: WPED047.RES

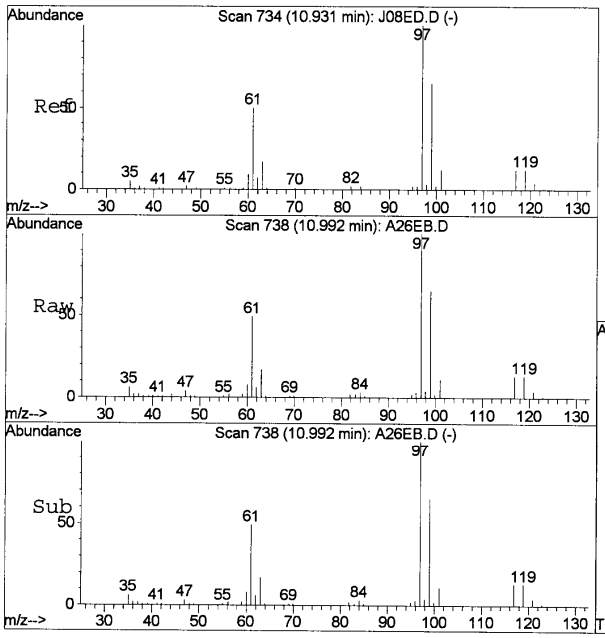
Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930
Last Update : Wed Jan 09 10:17:40 2002
Response via : Initial Calibration



WE1092.D WPED047.M Fri Apr 26 08:20:36 2002 Page 2

Obsolete

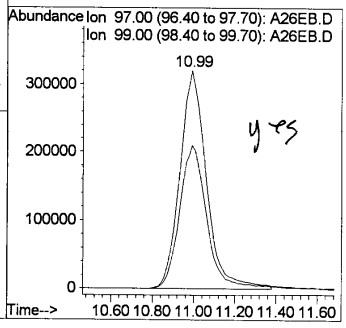
Exhibit 4. Target Analyte Mass Spectra (Example)

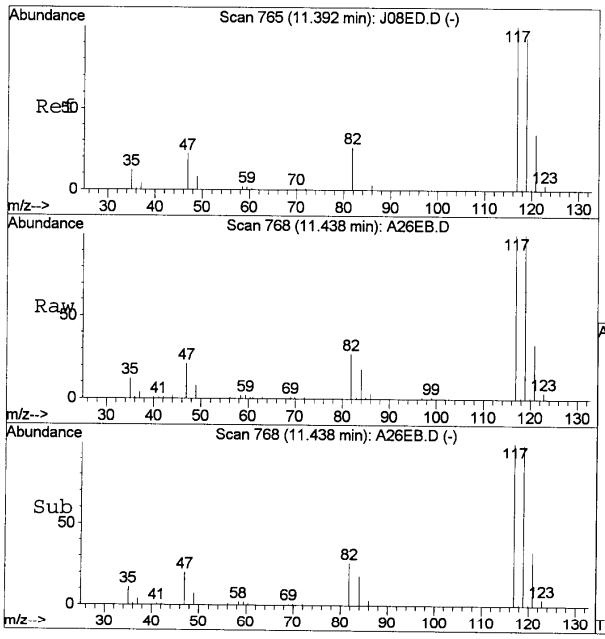


#10
1,1,1-Trichloroethane
Concen: 511.07 ng
RT: 10.99 min Scan# 738
Delta R.T. 0.06 min
Lab File: A26EB.D
Acq: 26 Apr 2002 1:22 pm

Tgt Ion: 97 Resp: 2865842

Ion	Ratio	Lower	Upper
97	100		
99	65.3	45.4	85.4

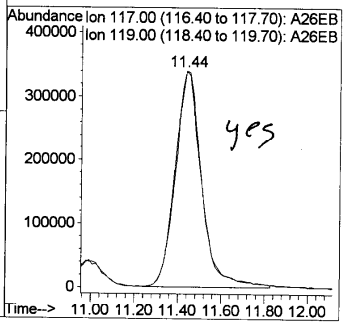




#11
Carbon Tetrachloride
Concen: 615.54 ng
RT: 11.44 min Scan# 768
Delta R.T. 0.05 min
Lab File: A26EB.D
Acq: 26 Apr 2002 1:22 pm

Tgt Ion:117 Resp: 2909078

Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.1	113.1



A26EB.D WPED047.M Acq :26 Apr 2002 1:22 pm
Sample = LCSMEA26 35.0000X Misc = LCS30399SF21B

Obsolete

Exhibit 5. TIC Mass Spectra (Example)

Library Search Compound Report

Data File : C:\INSTR_E\ECL02175\A02EG.D Vial: 1
Acq On : 2 Apr 2002 1:41 pm Operator:
Sample : 02087017C 3.0933X 100ML Inst : E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Report

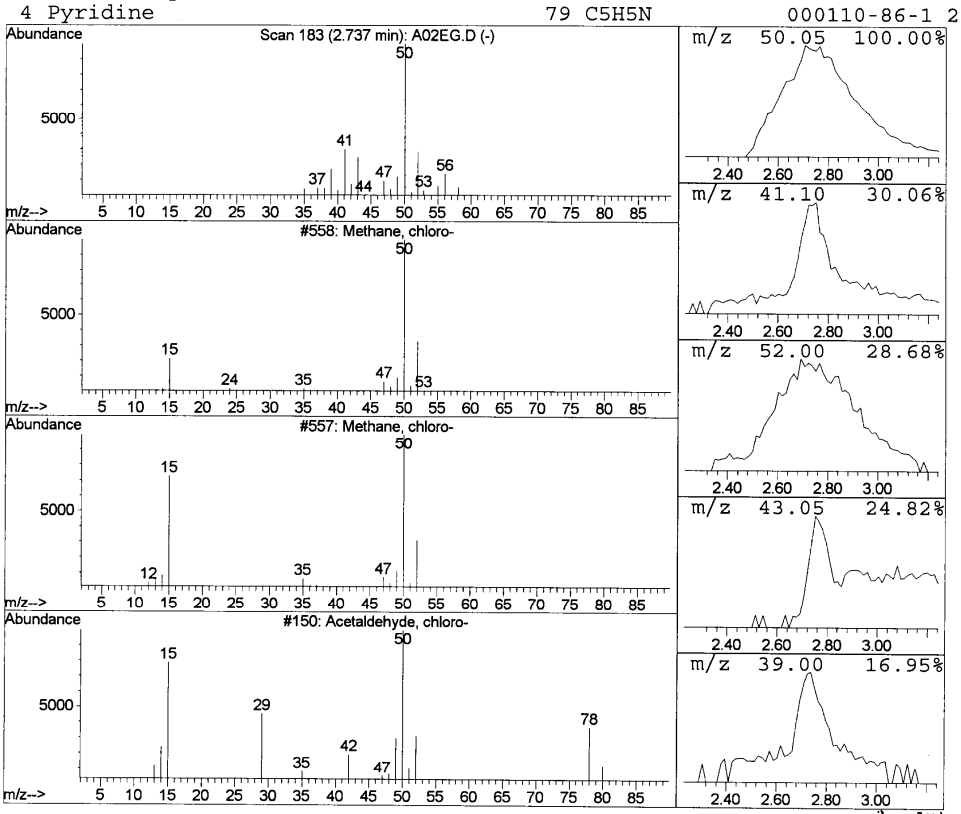
Quant Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930
Library : C:\DATABASE\NISTAPX8.L

****

Peak Number 1 Methane, chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
2.74	97.61 ng	1885550	Fluorobenzene	5215810	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, chloro-	50	CH3Cl	000074-87-3	83
2	Methane, chloro-	50	CH3Cl	000074-87-3	64
3	Acetaldehyde, chloro-	78	C2H3ClO	000107-20-0	9
4	Pyridine	79	C5H5N	000110-86-1	2



DJH 4-2-02 BJW 4-2-02

4-2-02

A02EG.D WPED047.M Tue Apr 02 16:49:09 2002 Page 1

Obsolete

Exhibit 6. Supplemental Data Input Sheet (Example)

TWCP GC GAS ANALYSIS SUPPLEMENTAL DATA INPUT SHEET

DATA REPORT #:		**METHOD:**		**ANALYST:**													**DATE:**	
ANALYSIS BATCH #:		**INSTRUMENT:**																
CCAL #:		**REPORT TICs:**																
REPORT GROUP(s):																		
FILE #	LABORATORY SAMPLE ID	DILUTION #1	DILUTION #2	DILUTION #3	DILUTION #4	FINAL DILUTION	VOLUME INJECTED mLs	TIME ANALYZED	DATE ANALYZED									

FORM DATE 04/02/02

Obsolete

Exhibit 7. Data Generator Checklist (Example)

Environmental Chemistry Laboratory
Data Generator Checklist

ACMM-9930 (GC/MS VOCs)

Analytical Batch#:	Procedure Revision:
Analyst Signature:	Analysis Date:

Criteria	Yes	No	N/A	Comments
1. Samples analyzed in accordance with ACMM-9930 requirements.				
2. BFB tune analyzed at the beginning of the run (once every 12 hours of instrument operation), and meets acceptance criteria.				
3. CCAL analyzed at the beginning of the run (once every 12 hours of instrument operation), and meets acceptance criteria.				
4. LB analyzed after the CCAL, and meets acceptance criteria.				
5. Analytical batch QC (LCS, laboratory duplicate or LCS duplicate) analyzed if appropriate, and meet acceptance criteria. [N/A if these analyses are performed on another day within the batch.]				
6. All samples quantitated within the calibration range for all target analytes, diluted and reanalyzed, or scheduled for reanalysis within the batch.				
7. All non-target analyte peaks having total ion areas >0.5% of the nearest internal standard evaluated against a NIST Appendix VIII VOC mass spectral library for tentative identification.				
8. All TICs identified using criteria defined in ACMM-9930.				
9. All logbook entries completed in accordance with MCP-2001.				
10. All raw data corrections made per MCP-2008 requirements [lined out, initialed, dated, and justified (as necessary)].				
11. All raw data evaluated, signed/initialed and dated in indelible black ink.				
12. Raw data reviewed for completeness and accuracy.				

Form Revision: 0
E:\ECL\checklists\ACMM-9930 Data Generator Rev 0.doc
Created on 04/03/02 12:10 PM

Obsolete

Exhibit 8. Analysis Data Sheet (Example)

GAS VOC ANALYSIS DATA SHEET

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

Lab Sample ID:	02087017C34		Field Sample ID:	ID032702EI352
Analytical Batch:	ECL02175M		Sampling Batch:	PRF020145
Data Report:	ECL02175M		Method:	ACMM-9930
Date/Time Analyzed:	4/2/02	1341	Date Sampled:	3/27/02
Lab File ID:	A02EG		Date Received:	03/28/02
Instrument ID:	GCMS-E		Composite:	Yes 50 mL aliquot

Compound Name	Concentration (ppmv)	Qualifier
Acetone	21	J
Benzene	0.38	J
Bromoform	0.027	U
Butanol	1.1	J
Carbon tetrachloride	0.057	J
Chlorobenzene	0.091	U
Chloroform	0.18	J
Cyclohexane	0.11	U
1,1-Dichloroethane	1.4	J
1,2-Dichloroethane	0.10	J
1,1-Dichloroethylene	0.13	U
cis-1,2-Dichloroethylene	0.091	U
trans-1,2-Dichloroethylene	0.14	U
Ethyl benzene	0.12	U
Ethyl ether	0.11	U
Methyl ethyl ketone	3.3	J
Methyl isobutyl ketone	0.10	J
Methylene chloride	1.6	J
1,1,2,2-Tetrachloroethane	0.069	U
Tetrachloroethylene	0.048	U
Toluene	9.5	J
1,1,1-Trichloroethane	8.6	J
Trichloroethylene	3.2	J
1,1,2-Trichloro-1,2,2-trifluoroethane	0.049	U
1,3,5-Trimethylbenzene	0.066	U
1,2,4-Trimethylbenzene	0.074	U
p/m-Xylene	0.14	J
o-Xylene	0.091	U

Form Rev 04-02

Obsolete

Exhibit 9. TIC Analysis Data Sheet (Example)

GAS VOC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

Lab Sample ID:	02087017C34		Field Sample ID:	ID032702EI352
Analytical Batch:	ECL02175M		Sampling Batch:	PRF020145
Data Report:	ECL02175M		Method:	ACMM-9930
Date/Time Analyzed:	4/2/02	1341	Date Sampled:	3/27/02
Lab File ID:	A02EG		Date Received:	03/28/02
Instrument ID:	GCMS-E		Composite:	Yes 50 mL aliquot

CAS Number	Compound Name	Concentration (ppmv)	Qualifier		Retention Time (Minutes)
000074-87-3	Chloromethane	3.8	J	N	2.74

Number of TICs Found: 1

Form Rev 04-02

Obsolete

Exhibit 10. Laboratory Duplicate Form (Example)

LABORATORY DUPLICATE FORM
GAS VOC ANALYSIS

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

Method:	ACMM-9930	Data Report:	ECL02175M
Instrument ID:	GCMS-E	Analytical Batch:	ECL02175M
Lab Sample ID:	02087009C15	Dup Lab Sample ID:	02087009C15D
Field Sample ID:	ID032602EI672	Dup Field Sample ID:	ID032602EI672D
Date/Time Analyzed:	4/1/02 1356	Date/Time Dup Analyzed:	4/1/02 1539
Lab File ID:	A01EC	Dup Lab File ID:	A01EE

COMPOUND	SAMPLE CONCENTRATION (PPMV)	FLAG(S)	DUPLICATE CONCENTRATION (PPMV)	FLAG(S)	RPD* (%)
Acetone	1.34341	J	1.15575	J	15.02
Benzene	0.26844	J	0.25561	J	4.15
Bromoform	0.028	U	0.028	U	NC
Butanol	0.70790	J	0.68932	J	2.66
Carbon tetrachloride	0.12777	J	0.11306	J	12.21
Chlorobenzene	0.093	U	0.093	U	NC
Chloroform	0.064	U	0.064	U	NC
Cyclohexane	0.49511	J	0.38571	J	24.84
1,1-Dichloroethane	7.60098	J	7.66360	J	0.82
1,2-Dichloroethane	0.068	U	0.068	U	NC
1,1-Dichloroethylene	0.21918	J	0.22222	J	1.38
cis-1,2-Dichloroethylene	0.093	U	0.093	U	NC
trans-1,2-Dichloroethylene	0.15	U	0.15	U	NC
Ethyl benzene	0.12	U	0.12	U	NC
Ethyl ether	0.12	U	0.12	U	NC
Methyl ethyl ketone	0.93361	J	0.86759	J	7.33
Methyl isobutyl ketone	0.092	U	0.09369	J	200.00
Methylene chloride	0.15	U	0.15	U	NC
1,1,2,2-Tetrachloroethane	0.070	BU	0.070	BU	NC
Tetrachloroethylene	0.049	U	0.049	U	NC
Toluene	15.86156		15.27253		3.78
1,1,1-Trichloroethane	16.16940		15.78673		2.40
Trichloroethylene	9.71008	J	9.14798	J	5.98
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	U	NC
1,3,5-Trimethylbenzene	0.057	U	0.057	U	NC
1,2,4-Trimethylbenzene	0.075	U	0.075	U	NC
p/m-Xylene	0.26546	J	0.25294	J	5.21
o-Xylene	0.09487	J	0.09358	J	1.38

NC = NOT CALCULABLE
* Specification limit <= 25% for analytes present in the sample and duplicate at concentrations greater than or equal to the PRQL

Form Rev 04-02

Obsolete

Exhibit 11. Laboratory Blank Summary Form (Example)

LABORATORY BLANK SUMMARY FORM
GAS VOC ANALYSIS

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

METHOD:	ACMM-9930	ANALYTICAL BATCH:	ECL02175M
INSTRUMENT:	GCMS-E	DATA REPORT:	ECL02175M
LAB SAMPLE ID:	LBMEM31.	FIELD SAMPLE ID:	LB04098M27
LAB FILE ID:	M31EA		
DATE/TIME ANALYZED:	3/31/02 0827		

THIS LABORATORY BLANK APPLIES TO THE FOLLOWING SAMPLES:

FIELD SAMPLE ID	LAB SAMPLE ID	DATE/TIME ANALYZED
LCS30399SF21A	LCSMEM31	3/31/02 1456
ID032602EI721	02087005	3/31/02 1538
ID032602EI370	02087006	3/31/02 1651
ID032602EIC02	02087007	3/31/02 1730
ID032602EI601	02087008C15	3/31/02 1813
ID032602EI278	02087008C25	3/31/02 1813
ID032602EIC76	02087008C35	3/31/02 1813
ID032602EI012	02087008C45	3/31/02 1813
ID032602EI565	02087008C55	3/31/02 1813

Form Rev 04-02

Obsolete

Exhibit 12. Internal Standard Area Summary Form (Example)

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Environmental Chemistry Contract : INEEL
Project : WIPP Site : Location : Group :
Lab File ID (Standard): WE1065.D Date Analyzed : 31 Mar 2002
Instrument ID : E Time Analyzed : 7:47 am
GC Column : DB-624 ID : 0.53 Heated Purge (Y:N) : N

	IS1 Area	#	RT	#	IS2 Area	#	RT	#	IS3 Area	#	RT	#
12 HOUR STD	1995633		12.62		1218662		19.31		0		0.00	
UPPER LIMIT	3991266		13.12		2437324		19.81		0		0.00	
LOWER LIMIT	997817		12.12		609331		18.81		0		0.00	
File ID Sample												
M31EA LBMEM31	2276155		12.61		1347068		19.32		0		0.00	
M31EG LCSMEM31	2517371		12.63		1585850		19.32		0		0.00	
M31EH 02087005	2558520		12.63		1550905		19.32		0		0.00	
M31EI 02087006	2323184		12.63		1434494		19.33		0		0.00	
M31EJ 02087007	2357625		12.63		1411849		19.34		0		0.00	
M31EK 02087008C	2586806		12.63		1548254		19.33		0		0.00	

IS1 = Fluorobenzene
IS2 = Chlorobenzene-d5
IS3 =
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

Page 1 FORM VIII VOA 3-90

Obsolete

Exhibit 13. Laboratory Control Sample Results Form (Example)

LABORATORY CONTROL SAMPLE FORM
GAS VOC ANALYSIS

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

Method: ACMM-9930 Data Report: ECL02175M
Instrument ID: GCMS-E Analytical Batch: ECL02175M

Lab Sample ID: LCSMEM31
Field Sample ID: LCS30399SF21A
Date/Time Analyzed: 3/31/02 1456
Lab File ID: M31EG

COMPOUND	FOUND CONCENTRATION (PPMV)	KNOWN CONCENTRATION (PPMV)	Recovery* (%)
Acetone	118.0613	99.90	118.18
Carbon tetrachloride	86.1988	99.70	86.46
Chloroform	87.2297	100.20	87.06
Cyclohexane	94.8334	100.00	94.83
Methylene chloride	94.5517	99.70	94.84
Toluene	94.8112	99.70	95.10
1,1,1-Trichloroethane	84.5689	99.80	84.74
Trichloroethylene	94.9277	99.60	95.31
1,1,2-Trichloro-1,2,2-trifluoroethane	85.1940	99.80	85.36

* Recovery specification limits 70 - 130%

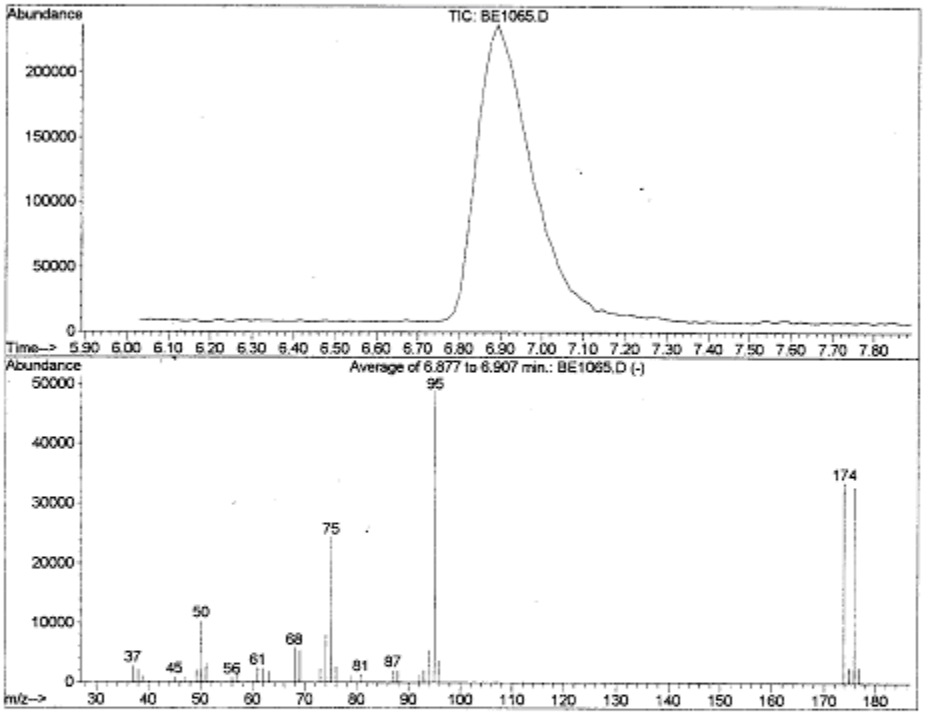
Form Rev 04-02

Obsolete

Exhibit 14. BFB Tune Form (Example)

BFB Tune Evaluation

Data File : C:\INSTR_E\ECL02163\BE1065.D Vial: 1
Acq On : 31 Mar 2002 6:33 am Operator: J. Wilson
Sample : 50ng BFB Inst : E
Misc : N/A Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930



Peak Apex is scan: 59 (6.89 min)
Average of 3 scans: 58,59,60 minus background scan 39 (6.59 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	10302	PASS
75	95	30	60	49.6	24312	PASS
95	95	100	100	100.0	48992	PASS
96	95	5	9	7.6	3710	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	68.4	33488	PASS
175	174	5	9	7.5	2498	PASS
176	174	95	101	97.7	32731	PASS
177	176	5	9	7.9	2587	PASS

BE1065.D WPED047.M Sun Mar 31 07:34:13 2002

3/31/02

Obsolete

Exhibit 15. ICAL Form (Example)

Response Factor Report E

Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930
Last Update : Wed Jan 09 10:17:40 2002
Response via : Initial Calibration

Calibration Files
75 =J08EF.D 250 =J08EE.D 500 =J08ED.D
750 =J08EC.D 1000 =J08EB.D 1250 =J08EA.D

		Compound	75	250	500	750	1000	1250	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)	T	Ethyl Ether	0.202	0.211	0.220	0.225	0.223	0.223	0.217	4.14
3)	T	Methylene Chloride	0.264	0.284	0.273	0.272	0.262	0.255	0.268	3.87
4)	T	1,1,2-Trichlorotrif	0.597	0.603	0.601	0.601	0.597	0.591	0.598	0.69
5)	T	1,1 Dichloroethene	0.287	0.307	0.305	0.264	0.225	0.228	0.269	13.59
6)	T	1,1-Dichloroethane	0.583	0.627	0.632	0.641	0.543	0.533	0.593	7.99
7)	T	cis-1,2-Dichloroeth	0.309	0.326	0.325	0.337	0.330	0.317	0.324	3.08
8)	T	Chloroform	0.578	0.621	0.632	0.640	0.626	0.612	0.618	3.52
9)	T	1,2-Dichloroethane	0.407	0.421	0.423	0.432	0.426	0.418	0.421	2.01
10)	T	1,1,1-Trichloroetha	0.541	0.580	0.580	0.596	0.604	0.594	0.583	3.85
11)	T	Carbon Tetrachlorid	0.460	0.489	0.487	0.507	0.507	0.496	0.491	3.53
12)	T	Trichloroethene	0.282	0.301	0.297	0.302	0.311	0.306	0.300	3.29
13)	T	Cyclohexane	0.505	0.517	0.514	0.513	0.512	0.489	0.508	2.04
14)	T	Benzene	0.823	0.819	0.792	0.801	0.803	0.785	0.804	1.84
15)	T	Acetone	0.421	0.398	0.392	0.380	0.354	0.352	0.383	6.94
16)	T	2-Butanone	0.140	0.159	0.163	0.168	0.168	0.160	0.160	6.46
17)	T	1-Butanol	0.127	0.153	0.168	0.177	0.184	0.178	0.164	12.93
18)		trans-1,2-Dichloroe	0.299	0.335	0.337	0.329	0.326	0.314	0.323	4.44
19)	I	Chlorobenzene-d5	ISTD							
20)	T	Bromoform	0.340	0.390	0.416	0.457	0.462	0.481	0.424	12.51
21)	T	Tetrachloroethene	0.415	0.451	0.436	0.440	0.429	0.431	0.434	2.73
22)	T	1,1,2,2-Tetrachloro	0.602	0.586	0.585	0.615	0.591	0.587	0.594	1.98
23)	T	Toluene	0.856	0.919	0.875	0.865	0.858	0.861	0.872	2.72
24)	T	Chlorobenzene	0.908	0.919	0.937	0.964	0.933	0.924	0.931	2.08
25)	T	Ethylbenzene	0.418	0.458	0.457	0.484	0.468	0.453	0.456	4.79
26)	T	Xylene (meta & para	0.567	0.571	0.605	0.629	0.592	0.595	0.593	3.84
27)	T	Xylene (ortho)	0.480	0.522	0.537	0.586	0.549	0.548	0.537	6.53
28)	T	1,3,5-Trimethylbenz	1.191	1.236	1.294	1.393	1.367	1.355	1.306	6.10
29)	T	1,2,4-Trimethylbenz	1.142	1.191	1.210	1.325	1.315	1.314	1.250	6.29
30)	T	4-Methyl-2-Pentanon	1.045	1.121	1.101	1.077	1.069	1.055	1.078	2.62

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

WPED047.M Wed Jan 09 10:33:40 2002 Page 1

STM 1-9-02

Obsolete

Exhibit 16. CCAL Form (Example)

Evaluate Continuing Calibration Report

Data File : C:\INSTR_E\ECL02175\WE1066.D Vial: 1
Acq On : 1 Apr 2002 8:59 am Operator: J. Wilson
Sample : ACMM-9930-CCAL 100ml Inst : E
Misc : N/A Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\WPED047.M (RTE Integrator)
Title : GC/MS-E Wipp Initial Calibration #047 ACMM-9930
Last Update : Wed Jan 09 10:17:40 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.03
2	T	Ethyl Ether	0.217	0.204	6.0	94	0.02
3	T	Methylene Chloride	0.268	0.274	-2.2	102	0.03
4	T	1,1,2-Trichlorotrifluoroeth	0.598	0.590	1.3	99	0.02
5	T	1,1 Dichloroethene	0.269	0.305	-13.4	101	0.02
6	T	1,1-Dichloroethane	0.593	0.600	-1.2	96	0.03
7	T	cis-1,2-Dichloroethene	0.324	0.313	3.4	98	0.03
8	T	Chloroform	0.618	0.605	2.1	97	0.02
9	T	1,2-Dichloroethane	0.421	0.387	8.1	93	0.03
10	T	1,1,1-Trichloroethane	0.583	0.541	7.2	95	0.06
11	T	Carbon Tetrachloride	0.491	0.447	9.0	93	0.03
12	T	Trichloroethene	0.300	0.294	2.0	100	0.02
13	T	Cyclohexane	0.508	0.502	1.2	99	0.03
14	T	Benzene	0.804	0.804	0.0	103	0.02
15	T	Acetone	0.383	0.390	-1.8	101	0.02
16	T	2-Butanone	0.160	0.151	5.6	94	0.03
17	T	1-Butanol	0.164	0.161	1.8	97	0.03
18		trans-1,2-Dichloroethene	0.323	0.335	-3.7	101	0.03
19	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.03
20	T	Bromoform	0.424	0.408	3.8	94	0.03
21	T	Tetrachloroethene	0.434	0.443	-2.1	97	0.03
22	T	1,1,2,2-Tetrachloroethane	0.594	0.637	-7.2	104	0.03
23	T	Toluene	0.872	0.936	-7.3	102	0.03
24	T	Chlorobenzene	0.931	0.977	-4.9	100	0.03
25	T	Ethylbenzene	0.456	0.473	-3.7	99	0.03
26	T	Xylene (meta & para)	0.593	0.632	-6.6	100	0.03
27	T	Xylene (ortho)	0.537	0.569	-6.0	101	0.02
28	T	1,3,5-Trimethylbenzene	1.306	1.359	-4.1	100	0.02
29	T	1,2,4-Trimethylbenzene	1.250	1.293	-3.4	102	0.03
30	T	4-Methyl-2-Pentanone	1.078	1.123	-4.2	97	0.03

4/1/02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
WE1066.D WPED047.M Mon Apr 01 11:26:53 2002 Page 1

Obsolete

Exhibit 17. MDL Reporting Form (Example)

MDL REPORTING FORM
GAS VOC ANALYSIS

IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

ENVIRONMENTAL CHEMISTRY LABORATORY

TRU WASTE CHARACTERIZATION PROGRAM

METHOD: ACMM-9930
Instrument ID: GCMS-E MDL Determination Date: 1/9/02

ANALYTE	MOLECULAR WEIGHT	MDL (ng)	PRQL (pprnv)
Acetone	58.08	6.3	100
Benzene	78.12	3.4	10
Bromoform	252.75	3.6	10
Butanol	74.12	5.1	100
Carbon tetrachloride	153.82	2.9	10
Chlorobenzene	112.56	5.3	10
Chloroform	119.39	3.9	10
Cyclohexane	84.16	4.9	10
1,1-Dichloroethane	98.94	5.1	10
1,2-Dichloroethane	98.94	3.4	10
1,1-Dichloroethylene	96.94	6.3	10
cis-1,2-Dichloroethylene	96.94	4.6	10
trans-1,2-Dichloroethylene	96.94	7.2	10
Ethyl benzene	106.17	6.5	10
Ethyl ether	74.12	4.4	10
Methyl ethyl ketone	72.11	6.6	100
Methyl isobutyl ketone	100.16	4.7	100
Methylene chloride	84.93	6.3	10
1,1,2,2-Tetrachloroethane	167.85	6.0	10
Tetrachloroethylene	165.83	4.1	10
Toluene	92.15	4.6	10
1,1,1-Trichloroethane	133.41	3.3	10
Trichloroethylene	131.39	4.3	10
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	4.8	10
1,3,5-Trimethylbenzene	120.2	4.1	10
1,2,4-Trimethylbenzene	120.2	4.6	10
p/m-Xylene	106.17	4.3	10
o-Xylene	106.17	5.0	10

Form Rev 01-02

Obsolete

Table 1. Target Analyte list for CCP-TP-175

ANALYTE	MOLECULAR WEIGHT	Required MDL[a] (ng)	PRQL (ppmv)
Acetone[c]	58.08	150	100
Benzene	78.12	10	10
Bromoform	252.75	10	10
Butanol[c]	74.12	150	100
Carbon disulfide[d]	76.14	10	10
Carbon tetrachloride	153.82	10	10
Chlorobenzene	112.56	10	10
Chloroform	119.38	10	10
Chloromethane[d]	50.49	10	10
Cyclohexane[b]	84.16	10	10
1,1-Dichloroethane	98.94	10	10
1,2-Dichloroethane	98.94	10	10
1,1-Dichloroethylene	96.94	10	10
cis-1,2-Dichloroethylene[b]	96.94	10	10
trans-1,2-Dichloroethylene	96.94	10	10
1,2-Dichloropropane[d]	112.99	10	10
Ethyl benzene	106.17	10	10
Ethyl ether	74.12	10	10
Methanol[c]	32.04	150	100
Methyl ethyl ketone[c]	72.11	150	100
Methyl isobutyl ketone[c]	100.16	150	100
Methylene chloride	84.93	10	10
1,1,2,2-Tetrachloroethane	167.85	10	10
Tetrachloroethylene	165.83	10	10
Toluene	92.15	10	10
1,1,1-Trichloroethane	133.41	10	10
Trichloroethylene	131.39	10	10
Trichlorofluoromethane[d]	137.37	10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	10	10
1,3,5-Trimethylbenzene[b]	120.20	10	10
1,2,4-Trimethylbenzene[b]	120.20	10	10
p/m-Xylene	106.17	10	10
o-Xylene	106.17	10	10

a Values based on delivery of 10 mL to the analytical system
b Analysis of these analytes not required for WIPP WAP compliance.
c These analytes may be analyzed via GC/FID (CCP-TP-173).
d Site-specific analyte; analysis may not be required for samples from all TRU Waste Generator/Storage Sites.

Obsolete

Table 2. BFB Key Ion Abundance Criteria

BFB KEY ION ABUNDANCE CRITERIA	
MASS	Ion Abundance Criteria
50	15 to 40% of mass 95
75	30 to 60% of mass 95
95	base peak, 100% relative abundance
96	5 to 9% of mass 95
173	less than 2% of mass 174
174	greater than 50% of mass 95
175	5 to 9% of mass 174
176	greater than 95% but less than 101% of mass 174
177	5 to 9% of mass 176

Table 3. Example Calibration Levels

Calibration Point (ng)	Concentration of Standard (ng/mL)
75	2.5
125	5
250	5
400	5
500	5
600	5
750	5
1000	5
1250	5

Obsolete

Table 4. Characteristic Ions for Volatile Organic Compounds

VOC Analytes	Primary Ion	Secondary Ion(s)
Acetone	43	58
Benzene	78	52, 77
Bromoform	173	171, 175, 252
Butanol	56	41
Carbon disulfide	76	44
Carbon tetrachloride	117	119, 121
Chlorobenzene	112	114, 77
Chloroform	83	85
Chloromethane	50	52
Cyclohexane	56	84
1,1-Dichloroethane	63	65, 83
1,2-Dichloroethane	63	65
1,1-Dichloroethylene	96	98, 61
cis-1,2-Dichloroethylene	96	61, 98
trans-1,2-Dichloroethylene	96	61, 98
1,2-Dichloropropane	63	62, 76
Ethyl benzene	106	91
Ethyl ether	59	74, 45
Methanol	31	-
Methyl ethyl ketone	72	57, 43
Methyl isobutyl ketone	43	58, 100
Methylene chloride	84	49, 51, 86
1,1,2,2-Tetrachloroethane	83	85, 131, 166
Tetrachloroethylene	164	129, 131, 166
Toluene	92	91, 65
1,1,1-Trichloroethane	97	99, 117
Trichloroethylene	130	95, 97, 132
Trichlorofluoromethane	101	103
1,1,2-Trichloro-1,2,2-trifluoroethane	101	85
1,2,4-Trimethylbenzene	105	120
1,3,5-Trimethylbenzene	105	120
m-Xylene	106	91
o-Xylene	106	91
p-Xylene	106	91
Chlorobenzene-d_5 (IS)	117	82, 119
Fluorobenzene (IS)	96	77

Obsolete

Table 5. VOC Internal Standards with Corresponding Analytes Assigned for Quantitation

Fluorobenzene	Chlorobenzene-d_5
Acetone	Bromoform
Benzene	Chlorobenzene
Butanol	Ethyl benzene
Carbon disulfide	Methyl isobutyl ketone
Carbon tetrachloride	1,1,2,2-Tetrachloroethane
Chloroform	Tetrachloroethylene
Chloromethane	Toluene
Cyclohexane	1,3,5-Trimethylbenzene
1,1-Dichloroethane	1,2,4-Trimethylbenzene
1,2-Dichloroethane	m-Xylene
1,1-Dichloroethylene	o-Xylene
cis-1,2-Dichloroethylene	p-Xylene
trans-1,2-Dichloroethylene	
1,2-Dichloropropane	
Ethyl ether	
Methanol	
Methyl ethyl ketone	
Methylene chloride	
1,1,1-Trichloroethane	
Trichloroethylene	
Trichlorofluoromethane	
1,1,2-Trichloro-1,2,2-trifluoroethane	

Obsolete

Table 6. Appendix VIII VOC Compounds

Compound Name	CAS #	Compound Name	CAS #	Compound Name	CAS #
Acetonitrile	75-05-8	1,3-Dichloropropene	542-75-6	Nickel carbonyl	13463-39-3
Acetophenone	98-86-2	1,2,3,4-Diepoxybutane	1464-53-5	Nitrobenzene	98-95-3
Acetyl chloride	75-36-5	Diethylarsine	692-42-2	Nitrogen dioxide	10102-44-0
Acrolein	107-02-8	1,4-Diethyleneoxide	123-91-1	Nitrogen mustard	51-75-2
Acrylonitrile	107-13-1	N, N'-Diethylhydrazine	1615-80-1	2-Nitropropane	79-46-9
Allyl alcohol	107-18-6	Diisopropylfluorophosphate (DFP)	55-91-4	N-Nitrosodiethylamine	55-18-5
Allyl chloride	107-05-1	Dimethylcarbamoyl chloride	79-44-7	N-Nitrosodimethylamine	62-75-9
Aniline	62-53-3	1,1-Dimethylhydrazine	57-14-7	N-Nitrosomethylethylamine	10595-95-6
Benzal chloride	98-87-3	1,2-Dimethylhydrazine	540-73-8	N-Nitroso-N-methylurethane	615-53-2
Benzene*	71-43-2	2,4-Dimethylphenol	106-67-9	N-Nitrosomethylvinylamine	4549-40-0
Benzotrichloride	98-07-7	Dimethyl sulfate	77-78-1	N-Nitrosopiperidine	100-75-4
Benzyl chloride	100-44-7	Di-n-propylnitrosamine	621-64-7	Osmium tetroxide	20816-12-0
Bromoacetone	598-31-2	Epichlorohydrin	106-89-8	Paraldehyde	123-63-7
Bromoform*	75-25-2	Ethyl carbamate (urethane)	51-79-6	Pentachloroethane	76-01-7
Carbon disulfide*	75-15-0	Ethyl cyanide	107-12-0	Phenol	108-95-2
Carbon oxyfluoride	353-50-4	Ethylene dibromide	106-93-4	Phosgene	75-44-5
Carbon tetrachloride*	56-23-5	Ethylene dichloride	107-06-2	Phosphine	7803-51-2
Chloral	76-87-6	Ethylene glycol monoethyl ether	110-80-5	2-Picoline	109-06-8
Chloroacetaldehyde	107-20-0	Ethyleneimine	151-56-74	Potassium dimethyldithiocarbamate	128-03-0
Chlorobenzene*	108-90-7	Ethylene oxide	75-21-8	Potassium n-methyldithiocarbamate	137-41-7
p-Chloro-m-cresol	59-50-7	Ethylidene dichloride	75-34-3	1,3-Propane sultone	1120-71-4
2-Chloroethyl vinyl ether	110-75-8	Ethyl methacrylate	97-63-2	n-Propylamine	107-10-8
Chloroform*	67-66-3	Ethyl methanesulfonate	62-50-0	Propargyl alcohol	107-19-7
Chloromethyl methyl ether	107-30-2	Fluorine	7782-41-4	Propylene dichloride	78-87-5
o-Chlorophenol	95-57-8	Fluoroacetamide	640-19-7	1,2-Propylenimine	75-55-8
Chloroprene	126-99-8	Formaldehyde	50-00-0	Pryidine	110-86-1
3-Chloropropionitrile	542-76-7	Formic acid	64-18-6	Selenourea	630-10-4
Coal tar creosote	8007-45-2	Glycidylaldehyde	765-34-4	1,2,4,5-Tetrachlorobenzene	95-94-3
Cresol (Cresylic acid)	1319-77-3	Hexachlorobutadiene	87-68-3	Tetrachloroethane, NOS	25322-20-7
Crotonaldehyde	1470-30-6	Hexachloroethane	67-72-1	1,1,1,2-Tetrachloroethane	630-20-6
Cyanogen	460-19-5	Hexachloropropene	1888-71-7	1,1,2,2-Tetrachloroethane*	79-34-5
Cyanogen bromide	506-68-3	Hydrazine	302-01-2	Tetrachloroethylene*	127-18-4
Cyanogen chloride	506-77-4	Hyrogen cyanide	74-90-8	Tetraethyl lead	78-00-2
1,2-Dibromo-3-chloropropane	96-12-8	Hydrogen fluoride	7664-39-3	Tetranitromethane	509-14-8
o-Dichlorobenzene	95-50-1	Hydrogen sulfide	7783-06-4	Thallium(I) acetate	563-68-8
m-Dichlorobenzene	541-73-1	Isobutyl alchohol	78-83-1	Thallium(I) carbonate	6533-73-9
p-Dichlorobenzene	106-46-7	Maleic anhydride	108-31-6	Thioacetamide	62-55-5
Dichlorobenzene, NOS 1	25321-22-6	Malononitrile	109-77-3	Thiomethanol	74-93-1
1-4-Dichloro-2-butene	764-41-0	Methacrylonitrile	126-97-7	Thiophenol	108-95-8
Dichlorodifluoromethane	75-71-8	Methyl bromide	74-83-9	Thiosemicarbazide	79-19-6
Dichloroethylene, NOS 1	25323-30-2	Methyl chloride*	74-87-3	Toluene*	108-88-3
1,1-Dichloroethylene*	75-35-4	Methyl chlorocarbonate	79-22-1	o-Toluidine	95-53-4
1,2-Dichloroethylene*	156-60-5	Methyl chloroform	71-55-6	o-Toluidine hydrochloride	636-21-5
Dichloroethyl ether	111-44-4	Methylene bromide	74-95-3	p-Toluidine	106-49-0
Dichloroisopropyl ether	108-60-1	Methylene chloride*	75-09-2	1,2,4-Trichlorobenzene	120-82-1
Dichloromethoxy ethane	111-91-1	Methyl ethyl ketone (MIBK)*	78-93-3	1,1,2-Trichloroethane	79-00-5
Dichloromethyl ether	542-88-1	Methyl hydrazine	60-34-4	Trichloroethylene*	79-01-6
2,4-Dichlorophenol	120-83-2	Methyl iodide	74-88-4	Trichloromethanethiol	75-70-7
Dichlorophenylarsine	696-28-6	Methyl isocyanate	624-83-9	Trichloromonofluoromethane*	75-69-4
Dichloropropane, NOS 1	26638-19-7	2-Methylactonitrile	75-86-5	Trichloropropane, NOS 1	25735-29-9
Dichloropropanol, NOS 1	26545-73-3	Methyl methacrylate	80-62-6	1,2,3-Trichloropropane	96-18-4
Dichloropropene, NOS 1	26952-23-8	Methyl methanesulfonate	66-27-3	Triethylamine	121-44-8
				Vinyl chloride	75-01-4

* analyzed as target analytes

Obsolete

Table 7. Example Method Parameters for Use with Markes Sample Introduction System

Flow rate (mL/min)	Milliliters	Time (minutes)	Standard (STD) ng/mL	STD ng on column
40	36	0.9	1.39	50.04
50	25	0.5	5	125
50	30	0.6	5	150
50	40	0.8	5	200
50	50	1	5	250
50	60	1.2	5	300
50	70	1.4	5	350
50	80	1.6	5	400
50	90	1.8	5	450
50	100	2	5	500
50	150	3	5	750
50	200	4	5	1000
50	250	5	5	1250
50	300	6	5	1500
50	36	0.72	1.36	48.96

Obsolete

CCP-TP-180

Revision 3

CCP
Analytical Sample Management

EFFECTIVE DATE: 01/17/2013

Mike Ramirez

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	05/02/2007	Initial issue.
1	08/24/2009	The Laboratory is moving to a new facility and the sample receiving and handling is being changed to reflect the new facility. Also some editorial and responsibility name changes.
2	12/29/2010	Minor revision to update references to the *Waste Isolation Pilot Plant Hazardous Waste Facility Permit.*
3	01/17/2013	Revised to change to Central Characterization Program (CCP) format, removed laboratory quality assurance (QA) officer steps, revised pre-receipt planning steps, simplified sample checkout and temperature monitoring instructions, updated laboratory name and references, updated example form in Appendix D, and made other editorial corrections.

Obsolete

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Precautions and Limitations 5
2.3 Training 6
2.4 Definitions 6

3.0 RESPONSIBILITIES 8
3.1 Laboratory Lead 8
3.2 Sample Custodian 8
3.3 Laboratory Personnel 8

4.0 PROCEDURE 9
4.1 Sample Collection Support 9
4.2 Pre- Receipt Planning 9
4.3 Sample Delivery 10
4.4 Sample Inspection 10
4.5 Sampling Documentation Inspection 11
4.6 Logging and Labeling Samples 13
4.7 Sample Storage 14
4.8 Sample Tracking and Handling 15
4.9 Sample Disposal 16

5.0 RECORDS 17

6.0 APPENDIXES 18

1.0 PURPOSE

This Central Characterization Program (CCP) procedure provides instruction for managing transuranic (TRU) waste characterization samples submitted to the Advanced Mixed Waste Treatment Project (AMWTP) Analytical Chemistry Laboratory (ACL). Instructions are included for receiving and storing samples, and for maintaining chain-of-custody (COC) (see Section 2.4).

1.1 Scope

Instructions are provided for maintaining TRU waste characterization sample custody from sample receipt through disposal/return using proper receiving, handling, storage, and documentation practices.

Instructions are also provided for certain sample collection support activities, such as trip blank (TB) container preparation, performed as needed for waste generator site clients.

Custody of samples received at the laboratory is maintained by storing the samples in a secure building with limited and controlled access.

2.0 REQUIREMENTS

2.1 References

2.1.1 Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*

2.1.2 Referenced Documents

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-184, *CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry*
- CCP-TP-186, *CCP Determination of Nonhalogenated Volatile Organics by Gas Chromatography*
- CCP-TP-188, *CCP Analytical Data Recording, Review, and Reporting*
- INST-ALAB-01, *Analytical Laboratory Spill Cleanup*
- INST-ALAB-02, *Analytical Laboratory Waste Management*
- MP-ALAB-25.2, *Analytical Chemistry Laboratory Facility Radionuclide Inventory Control*
- MP-ISIH-2.16, *Laser Safety*
- PLN-ISIH-04, *Chemical Hygiene Plan For The Analytical Chemistry Laboratory*

2.2 Precautions and Limitations

2.2.1 Use proper lifting techniques when moving or lifting heavy shipping containers.

2.2.2 Be aware of potential cutting and pinch points when opening shipping containers and removing samples.

2.2.3 Handle all sample spills per INST-ALAB-01, "*Analytical Laboratory Spill Cleanup*."

NOTE

Class 2 laser scanners emit light in the visible portion of the spectrum (0.4 – 0.7 μm). Eye protection is normally afforded by the normal human aversion response to bright radiant light sources. Class 2 lasers may present a potential eye hazard if viewed directly for extended periods of time. Momentary exposure to a Class 2 laser is not known to be harmful. MP-ISIH-2.16, *Laser Safety,* provides additional information about Class 2 lasers.

2.2.4 Observe the following precautions when using laser barcode scanners to read barcode labels:

[A] Ensure that the scanner has a label(s) identifying the Laser Class and stating "Laser Light [Radiation] – Do Not Stare Into Beam."

[B] Avoid staring directly into the light beam.

[C] Exercise caution to avoid aiming the light beam at another person's face.

2.3 Training

2.3.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

2.4 Definitions

Chain of Custody (COC) – The set of actions taken to ensure that physical sample integrity and sample data integrity are maintained. A sample is considered to be in someone's custody if it meets one of the following conditions:

- It is in one's possession.
- It is in one's view after being in possession.
- Was in possession and is now locked up.
- Is secured (such as, sealed with tamper indicating device) by the responsible individual so no tampering can occur.
- Is in a designated secured area.

Chain of Custody Form (COC Form) – A form used to document all transfers of sample custody from collection to disposal. The form

contains, at a minimum, the sample numbers, the date and times of transfers, and the signatures of the relinquishing and accepting parties.

Controlled Storage Area – An area designated for receiving and storing unaltered samples in accordance with radiological, regulatory, and customer requirements.

Controlled Temperature Cabinet (CTC) – A refrigerator or freezer used to store samples or standards at controlled and monitored temperatures.

Log Type – A designator in the Analytical Computer System (ACS) that groups samples by commonly-received types or major projects. Commonly-used log types are listed below. Additional types may be defined if required.

- AMWTP- Advanced Mixed Waste Treatment Project samples received for TRU waste characterization analyses
- CCP- TRU waste characterization programmatic samples received from CCP

3.0 RESPONSIBILITIES

3.1 Laboratory Lead

3.1.1 Perform pre-receipt planning.

3.2 Sample Custodian

3.2.1 Receive, inspect, and log samples into the laboratory.

3.3 Laboratory Personnel

3.3.1 Handle samples per this procedure.

3.3.2 Monitor and record sample storage temperatures in CTCs.

4.0 PROCEDURE

4.1 Sample Collection Support

NOTE
Sample collection support activities are performed by the analytical laboratory only when prearranged with a particular waste generator site client and when the client cannot reasonably perform such activities in the sampling facilities.

Sample Custodians

4.1.1 **IF** trip blank containers need to be prepared,
THEN perform the steps defined in Appendix A, Instructions for Preparing Trip Blank (TB) Containers.

4.1.2 **IF** sample containers need to be pre-weighed by the laboratory and assembled into kits for field sampler use,
THEN perform the steps defined in Appendix B, Instructions for Pre-weighing and Packaging Sample Containers.

4.2 Pre- Receipt Planning

Laboratory Lead

4.2.1 Evaluate estimated sample activity levels per MP-ALAB-25.2, *Analytical Chemistry Laboratory Facility Radionuclide Inventory Control,* to determine if the samples can be received within the facility radionuclide limits.

[A] **IF** the samples cannot be received within the facility radionuclide limits,
THEN notify the sample requestor that sample delivery cannot occur until the facility radionuclide inventory is reduced.

4.2.2 Ensure that any non-radiological hazards associated with the samples through process knowledge or acceptable knowledge (AK) can be properly mitigated using current procedures.

4.2.3 Ensure that disposal routes/waste streams for the unaltered samples and all analysis-derived residues are identified and approved.

4.2.4 **WHEN** pre-receipt planning is completed and any identified issues resolved,
THEN authorize sample custodians to accept the samples.

4.3 Sample Delivery

Sample Custodian

4.3.1 Ensure that receipt authorization has been received from the Laboratory Lead.

4.3.2 Ensure that all sample shipment containers are surveyed for beta/gamma activity, and smeared for alpha contamination before they are accepted.

[A] **IF** survey results exceed the current work control suspension limits,
THEN STOP sample receipt activities and contact laboratory management.

4.4 Sample Inspection

4.4.1 Inspect the shipping container for the presence of a custody seal or tamper-indicating device.

[A] **IF** custody seals or tamper-indicating devices are broken, not present, or placed such that the shipping container could have been opened without destroying the seal,
THEN document the discrepancy per step 4.5.4.

4.4.2 Open the shipping container.

[A] Keep hands and fingers out of the way when cutting seals or tamper-indicating devices.

[B] Use proper tools when opening drums or buckets with rings.

4.4.3 Ensure proper shipping temperature was maintained.

[A] Inspect any blue ice (or equivalent) cooling material and verify that it is still cold.

[B] **IF** samples are received at room temperature,
THEN document the discrepancy per step 4.5.4.

4.4.4 Remove samples from the shipping container.

4.4.5 Verify that a COC form(s) is present in the shipping container.

[A] **IF** samples arrive at the laboratory without a COC form,
THEN halt the sample receiving process and contact the sample requestor immediately for instructions.

4.4.6 Verify that all samples listed on the COC form are in the shipping container and that the shipping container did NOT contain samples not listed on the COC form.

4.4.7 Enter the validated time of sample receipt (VTSR) (date/time) as the date/time the samples were accessed (shipping container custody seal broken), and sign the COC form accepting custody of the samples.

4.4.8 Inspect each sample container for the presence of a custody seal or tamper-resistant device.

[A] **IF** custody seals or tamper-indicating devices are broken, not present, or placed such that the sample container could have been opened without destroying the seal,
THEN document the discrepancy per step 4.5.4.

4.4.9 Verify that all sample containers are intact and have **NOT** leaked.

[A] **IF** samples have leaked or been broken **AND** chemical exposure or radiological contamination is possible,
THEN STOP WORK, and notify laboratory management to develop a recovery plan.

[B] **IF** broken or leaking containers are identified
THEN document the discrepancy per step 4.5.4.

4.4.10 **IF** sample containers were pre-weighed in the laboratory before sample collection, **AND** the sample weight is **NOT** determined during sample collection,
THEN weigh the sample containers and determine sample weight per steps in Appendix C, Instructions for Determining Sample Weights Post-Collection.

4.5 Sampling Documentation Inspection

4.5.1 Verify that the following minimum information is recorded on the COC form:

[A] Sampler(s) signatures (includes signature of individual initiating custody)

[B] Field Sample IDs

[C] Date and time of sample collection for all samples (date/time of custody initiation)

[D] Signatures of persons relinquishing and accepting custody with date and time of transfers

[E] Requested analyses

[F] Preservatives (if applicable)

[G] Sampling batch number

[H] Sampling location

[I] Sample matrix

[J] Sample amount (if weight is determined at collection)

[K] Type/number of containers for each sample

[L] Receiving Laboratory

[M] Waste Container ID number, as appropriate.

4.5.2 Ensure transfers of custody are complete and documented in chronological order.

4.5.3 Inspect the sample labels to ensure they include the sample identification (ID) number, the date and time of sample collection, sampler initials and organization, sample description, requested analyses, and a quality control (QC) designation (if applicable).

4.5.4 Document any discrepancies or deficiencies noted during sample inspection and sampling document verification on the COC form or on a sample receiving checklist (see example in Appendix D, Example CCP Sample Receiving and Custody Review Checklist).

4.5.5 Notify the sample requestor of any discrepancies or deficiencies found, and document resolutions of the issues.

[A] **IF** sample integrity is compromised or documentation discrepancies **CAN NOT** be reconciled with the sample requestor,
THEN ensure that a nonconformance report (NCR) is issued in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control.*

4.6 Logging and Labeling Samples

4.6.1 Log samples into the ACS.

4.6.2 Enter the following minimum information into ACS for each group of samples delivered:

[A] Project name
[B] Log type (see Section 2.4)
[C] Sample request/customer name
[D] Field Sample ID numbers
[E] Container size
[F] Sample matrix
[G] Requested analysis/method numbers.

4.6.3 Enter any additional information helpful for the analysis (e.g., special hazards) into the Comments field.

NOTE

The ACS generates a unique log number for the group of samples delivered. This log number follows the format of "YYMMDDN," where YYMMDD is the date of sample receipt and N is a sequential number beginning with one (1) assigned to logs received within a calendar day (e.g., 1201011, 1201012).

NOTE

The ACS also generates unique lab sample ID numbers for each sample within the log. This lab sample ID number follows the format of "YNNNN," where Y is the last number of the calendar year and NNNN is a sequentially-assigned alphanumeric character consisting of 2 alpha characters followed by 2 numerals (e.g., 2AA01...2AA99, 2AB01...2ZZ99). The number of containers per sample is indicated on the container labels (e.g., 1 of 1, 2 of 3).

4.6.4 Prepare labels for each sample container with the following minimum information: log number and lab sample ID number.

[A] Clean exterior surfaces of sample containers per Radiological Control Technician (RCT) instruction.

[B] Place the labels on the sample containers after the containers have been released by the RCT for removal from the hood.

4.6.5 Label each sample container per requirements of PLN-ISIH-04, "*Chemical Hygiene Plan For The Analytical Chemistry Laboratory*," as necessary to indicate any identified hazards.

4.6.6 Enter the analytical log information in the Sample Tracking Logbook.

4.7 Sample Storage

4.7.1 Store unaltered samples in designated controlled storage areas after log-in and when not checked out for analysis.

[A] Ensure that all samples are double contained with contamination-free outside containment.

[B] Store samples for volatile organic compound (VOC) analysis (purgeable VOC or nonhalogenated volatile organic compound [NHVOC], formaldehyde, or hydrazine) in separate CTCs from those used for storing metals and semivolatile organic compound (SVOC) samples.

Laboratory Personnel

4.7.2 Store in process-samples (unaltered samples and prepared sample aliquots) in designated storage areas within the laboratory.

[A] **IF** radioactive samples or prepared sample aliquots are stored outside of a contamination control area (i.e., hood or glove box),
THEN ensure that all sample containers are contained with contamination-free outside containment.

[B] Store samples and standards in separate CTCs.

[C] **IF** prepared samples contain solvents that are required target analytes for unaltered samples,
THEN store the prepared samples and unaltered samples in separate CTCs.

4.7.3 Maintain temperature control of samples and standards during storage.

[A] Set up a controlled temperature logbook for each CTC.

[B] Place a National Institute of Standards and Technology (NIST)-traceable thermometer with current calibration in each CTC compartment in use.

[C] Record the thermometer identifier in the logbook, ensuring that the thermometer identification is updated whenever the thermometer is changed.

[D] Check the temperature of each CTC at least once per working day, and record the date, time, temperature (°C), and any applicable comments or actions taken in the logbook, and sign or initial the entry.

NOTE
Acceptable storage temperature range is 4 ± 2 ºC for refrigerators and ≤ -10 ºC for freezers.

NOTE
CTC temperature may be monitored and recorded electronically using an automated system.

[E] **IF** the temperature is out of the acceptable range, **THEN** perform the following actions:

[E.1] Correct the problem, if possible (e.g., door open, loss of power), or adjust the temperature control knob, and document actions taken in the logbook.

[E.2] Notify laboratory management of the temperature deviation.

[E.3] Check and record the temperature every two hours, making necessary adjustments, until satisfactory temperature is obtained for two consecutive checks.

[E.4] **IF** the CTC contains samples (unaltered or prepared) for which all required analyses are NOT complete, or contains standard solutions within their valid shelf life, **THEN** ensure that an NCR is initiated per CCP-QP-005.

[F] **IF** satisfactory temperature can **NOT** be obtained within six hours, **OR** the problem **CAN NOT** be corrected per step E.1 above,
THEN move all affected samples or standards to another CTC when possible.

4.8 Sample Tracking and Handling

4.8.1 Check samples out of the controlled storage area for analysis and document the check-out in the Sample Tracking Logbook.

4.8.2 Return unaltered samples to the controlled storage area when they are no longer needed in the work area, and document the return in the Sample Tracking Logbook.

[A] **IF** a sample is expended/consumed during analysis, **THEN** document this in the Comments section of the logbook.

4.9 Sample Disposal

Sample Custodian

4.9.1 Maintain unaltered samples in controlled storage areas until notification is received from the responsible Site Project Manager that the sample can be released from custody controls for disposal.

4.9.2 Relinquish custody of the samples on the COC form.

4.9.3 Dispose of released samples per INST-ALAB-02, *Analytical Laboratory Waste Management*.

[A] Record disposal of samples in the ACS and on the COC form.

[B] Return the original COC forms documenting sample disposition to CCP Records.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008, *CCP Records Management.* The records are the following:

5.1.1 QA/Lifetime

[A] Completed COC Form

5.1.2 QA/Non Permanent

[A] Controlled Temperature Logbook

[B] Sample Tracking Logbook

5.2 The following records generated during the performance of this procedure will be complied into the Batch Data Report, in accordance with CCP-TP-188, *CCP Analytical Data Recording, Review, and Reporting.*

5.2.1 QA/Lifetime

[A] In process copy of the COC Form

[B] Sample Receiving and Custody Review Checklist

[C] ACS Sample Container Weight Information printout

[D] Cleanliness certificates for sample containers

Obsolete

6.0 APPENDIXES

- Appendix A. Instructions for Preparing Trip Blank (TB) Containers.
- Appendix B. Instructions for Pre-weighing and Packaging Sample Containers.
- Appendix C. Instructions for Determining Sample Weights Post-Collection.
- Appendix D. Example CCP Sample Receiving and Custody Review Checklist.

APPENDIX A

Instructions for Preparing Trip Blank (TB) Containers

A1. Assemble Materials and Equipment

A1.1 Bar Code Scanner, Symbol LS 2200 Series, or similar, Class 2 laser device (optional).

A1.2 Nitrile or latex gloves, powder-free.

A1.3 20-mL septa vials, clear borosilicate glass, open-top lids with Teflon lined septa, precleaned and certified for VOC analysis, labeled with production and container number, I-Chem #326-0020 (Series 300, cleanliness certificate provided), or equivalent.

A1.4 Analytical balance, top-loader, minimum 400-g capacity, 0.01 g readability, calibrated by the Idaho National Laboratory (INL) Standards & Calibration Laboratory (S&CL), equipped with RS232 port (optional), or equivalent.

A1.5 NIST-traceable weights, calibrated by the INL S&CL, for balance calibration verification.

A1.6 Reagent sand, prepared per instruction in CCP-TP-184, *CCP Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry*, or CCP-TP-186, *CCP Determination of Nonhalogenated Volatile Organics by Gas Chromatography*.

A1.7 Spatula, stainless-steel.

A2. Prepare Solid Sample TB Containers

Perform the following steps for each required TB container in a radiologically clean area. Wear gloves when handling TB containers.

A2.1 Use the weights to verify balance calibration each day before use, and record results of the verification in the balance logbook.

A2.2 Record the production number and container number of a 20-mL precleaned septa vial (A1.3) in ACS.

A2.3 Remove the cap and place the vial on the balance pan.

A2.4 Tare the balance.

Obsolete

APPENDIX A (Continued)

Instructions for Preparing Trip Blank (TB) Containers

A2. Prepare Solid Sample TB Containers (Continued)

A2.5 Use a spatula to place 3 grams (±0.05 g) of reagent sand (A1.6) in the container.

A2.6 Record the net weight to two decimal places, balance ID, and the sand lot number in ACS.

A2.7 Cap the vial tightly and store in a secure area free from organic contamination sources until needed.

APPENDIX B

Instructions for Pre-Weighing and Packaging Sample Containers

B1. Assemble Materials and Equipment

B1.1 20-mL septa vials, clear borosilicate glass, open-top lids with Teflon-lined septa, precleaned and certified for VOC analysis, labeled with production and container number, I-Chem#326-0020 (Series 300, cleanliness certificate provided), or equivalent.

B1.2 250-mL jars, squat wide-mouth, clear borosilicate glass, with Teflon-lined lids, precleaned and certified for semivolatile organic compound (SVOC) and metals analysis, labeled with productions and container number, I-Chem#320-0250 (Series 300, cleanliness certificate provided), or equivalent.

B1.3 "Dunnage" vials: 20-mL septa vials, borosilicate glass (amber glass recommended to differentiate them from sample containers).

B1.4 "Overpack" Jars: 250-mL jars, squat wide-mouth, clear borosilicate glass.

B1.5 Solid Sample Trip Blank Containers, prepared per Appendix A.

B1.6 Sample Container Labels, water-proof, preprinted per project requirements.

B1.7 Analytical balance, top-loader, minimum 300-g capacity, 0.01 g readability, calibrated by the INL S&CL, equipped with RS232 port (optional), or equivalent.

B1.8 NIST-traceable weights, calibrated by the INL S&CL, for balance calibration verification.

B1.9 Zipper bags, various sizes.

B1.10 Bar Code Scanner, Symbol LS 2200 Series, or similar, Class 2 laser device (optional).

B1.11 Heat-sealer, American International Electric, Inc., Impulse Sealer Model AIE 305HIM, or similar.

B1.12 Heat-seal plastic sleeves, various sizes.

B1.13 Vinyl pockets, 8.5" × 11".

B1.14 Nitrile or latex gloves, powder-free.

APPENDIX B (Continued)

Instructions for Pre-Weighing and Packaging Sample Containers

B2. Assemble Sample Container Kits

Perform the following steps for each required Sample Container Kit in a radiologically clean area.

Wear gloves when handling sample containers.

Perform steps for only one Sample Container Kit at a time.

B2.1 Use the weights to verify balance calibration each day before use, and record results of the verification in the balance logbook.

B2.2 **IF** preparing a “primary” sample container kit,
THEN obtain four pre-cleaned 20-mL septa vials (B1.1) and one precleaned 250-mL jar (B1.2).

B2.3 **IF** preparing a “collocated” sample container kit,
THEN obtain eight pre-cleaned 20-mL septa vials (B1.1) and one precleaned 250-mL jar (B1.2).

B2.4 Apply the VOC and NHVOC sample container labels to the 20-mL vials and the SVOC/metals label to the 250-mL precleaned jar, taking care to NOT obscure the production number and container number barcodes.

B2.5 Enter the Field sample ID, production number, and container number in ACS for each container.

B2.6 Weigh each labeled container and record the weight to two decimal places and the balance ID in ACS.

B2.7 Obtain four assembled Solid Sample TB containers (see Appendix A).

B2.8 Apply VOC and NHVOC sample container labels to the TB containers, taking care to NOT obscure the production number and container number barcodes.

B2.9 Record the field sample ID, production number, and container number in the Sample in ACS.

APPENDIX B (Continued)

Instructions for Pre-Weighing and Packaging Sample Containers

B2. Sample Container Kit Assembly (Continued)

B2.10 Obtain Overpack Jars (B1.4) and label "A," "B," and "C" for primary samples, "A," "B", "C," and "D" for collocated samples.

B2.11 Place the 20-mL vials upside down in the overpack jars per Table B-1, Overpack Jar Packing Configuration, and place the "full" sample label (approximately 2" × 2-5/8") for each of the 20 mL vials (VOC and NHVOC) on the outside of the Overpack Jar.

B2.11.1 **IF** a dunnage vial (B1.3) is required,
THEN label the vial "Dunnage" before placing it in the Overpack Jar.

B2.12 Generate COC forms, using a blank COC form template, preprinted with field sample ID and analysis requests, and place in protective vinyl sleeve(s).

B2.13 Place all Overpack Jars, the SVOC/Metals sample container, and the COC forms into a zip bag.

B2.14 Place a label containing the common Sample ID (first eight digits of the sample IDs) on the sealed bag.

Independent Laboratory Personnel

B2.15 Verify the following:

A. The correct number of sample containers are present.
B. All sample containers are correctly labeled.
C. The preprinted COC forms correspond to the sample container labels.

B2.16 Record verification in ACS.

B2.17 Place the sealed bag inside a heat-seal sleeve and heat-seal the sleeve.

Table B-1. Overpack Jar Packing Configuration

Overpack Jar #	Regular Sample	Collocated Sample
A	VOC, VOC spare, VOC TB	VOC, VOC spare, VOC TB
B	NHVOC, NHVOC spare, NHVOC TB	NHVOC, NHVOC spare, NHVOC TB
C	VOC TB spare, NHVOC TB spare, dunnage vial	VOC MS, VOC MSD, VOC TB spare
D	N/A	NHVOC MS, NHVOC MSD, NHVOC TB Spare

Obsolete

APPENDIX C

Instructions for Determining Sample Weights Post-Collection

C1. Assemble Materials and Equipment

C1.1 Analytical balance, top-loader, minimum 300-g capacity, 0.01 g readability, calibrated by the INL S&CL, equipped with RS232 port (optional), or equivalent.

C1.2 NIST-traceable weights, calibrated by the INL S&CL, for balance calibration verification.

C1.3 Bar Code Scanner, Symbol LS 2200 Series, or similar, Class 2 laser device (optional).

C2. Weigh Sample Containers and DetermineSample Weights

C2.1 Use the weights to verify balance calibration each day before use, and record results of the verification in the balance logbook.

C2.2 Weigh all sample containers (excluding TBs) and record the gross weight to two decimal places and the balance ID in ACS.

NOTE

Net sample weight calculations are performed in ACS.

C2.3 Provide copies of the ACS Sample Container Weight Information printout for inclusion in the analytical batch data report.

APPENDIX D

Example CCP Sample Receiving & Custody Review Checklist

CCP Sample Receiving & Custody Review Checklist
AMWTP Analytical Chemistry Laboratory

Log Number:	Waste Stream ID:	NCR Initiation Required? ☐ Yes ☐ No
COC Numbers:		**IF Yes**, NCR Number:
Reviewer: _____ Printed Name Signature Date		Procedure Number: CCP-TP-180 Revision ____

Instructions: Complete one checklist per analytical log. Enter the appropriate response for each question. Each "No" response requires explanation. A "No" response to a question may require initiation of an NCR.

	Requirement	Yes	No	Comments
	1. Field Chain of Custody (COC) Forms			
a.	Was a COC form received with each shipping container?	☐	☐	
b.	Did the content of each shipping container match that listed on the associated COC form?	☐	☐	
c.	Are all custody transfers completely documented by signatures of relinquishers and receivers, with date and time of transfer?	☐	☐	
d.	Does all sample information (e.g., sample ID, sampling date and time, sampling batch) listed on the COC form correspond with the information on the sample labels?	☐	☐	
e.	Is the correct analysis requested for each sample?	☐	☐	
f.	Are any corrections on the COC form appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☐	☐	
	2. Sample Labels			
a.	Was each sample received with a completed sample label?	☐	☐	
b.	Do the field sample IDs on the sample labels correspond to those on the field COC form?	☐	☐	
c.	Are the sampling batch number, sampling date, time and requested analysis recorded on each sample label, and correspond with those recorded on the COC form?	☐	☐	
d.	Are the sampler initials, organization and sample description recorded on each sample label?	☐	☐	
e.	Are any corrections on the sample labels appropriately made with a single line through the incorrect entry and the correct data written in (not overwritten), initialed and dated?	☐	☐	
	3. Sample Integrity			
a.	Were custody seals used on the shipping container?	☐	☐	
b.	Were custody seals used on each individual sample container?	☐	☐	
c.	Were all custody seals intact and undamaged upon receipt at the laboratory?	☐	☐	
d.	Were all custody seals placed such that the container could not be opened without damaging the seal?	☐	☐	
e.	Has the physical integrity of each sample been maintained (e.g., no cracks or leaks)?	☐	☐	
f.	Were all samples preserved during shipment with "Blue Ice" or equivalent cooling mechanism?	☐	☐	
g.	Were all samples placed in refrigerated storage (4 ± 2 °C) after log-in?	☐	☐	
	4. Internal Sample Tracking			
a.	Are all samples logged into the Analytical Computer System (ACS)?	☐	☐	
b.	Is all sample information correctly transcribed from the field documentation into the ACS?	☐	☐	
c.	Are all sample containers labeled with the ACS log number and the laboratory sample ID?	☐	☐	
d.	Is log information entered into the Sample Tracking Logbook?	☐	☐	

Contact the sampling organization if any discrepancies are found in the field COC and sample label documentation. Document the name of the person contacting the sampling organization, the name of the person contacted, the date and time of the contact, and the resolution of the problem.

Form Date: 05/11/11 Page 1 of 1

Controlled
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CCP-TP-500

Revision 13

CCP
Remote-Handled Waste
Visual Examination

EFFECTIVE DATE: 09/23/2013

Irene Joo

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	02/15/2006	Initial issue.
1	04/27/2006	Revised in response to CBFO comments.
2	06/19/2006	Revised to address concerns raised during the Idaho National Laboratory (INL) Remote-Handled (RH) Audit A-06-21.
3	10/12/2006	Revised to resolve issue identified in EPA Concern ANL-CCP-RH-VE-06-001CR.
4	11/16/2006	Revised to incorporate Visual Examination Expert (VEE) decisions and signature.
5	06/01/2007	Revised to incorporate February 27, 2007, modification of the Waste Isolation Pilot Plant Hazardous Waste Facility Permit (HWFP), Attachment B-B6, Waste Analysis Plan (WAP).
6	10/25/2007	Revised in response to Central Characterization Project (CCP) Corrective Action Report (CAR) CAR-RHBCL-00002-07, to clarify questions 11 and 12 on Attachment 2, Visual Examination Independent Technical Review Checklist.
7	02/27/2008	Revised to address Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 08-005.
8	07/24/2008	Clarification changes for ease of operations.
9	06/30/2010	Revised to make changes for a two shift operation and two different sets of qualified operators to be able to work on the same Remote-Handled (RH)-Visual Examination (VE). Added Table 1, Prohibited Items List, and updated language to reflect the permit modification.
10	12/29/2010	Revised to incorporate Permit Modification Independent Technical Review (ITR) language.
11	04/21/2011	Implement Revision 2 of Remote-Handled Transuranic (TRU) Waste Characterization Program Implementation Plan DOE/WIPP-02-3214.
12	07/18/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
13	09/23/2013	Revised to include the allowable closure methods Table 2.5-1 from the remote-handled (RH) transuranic (TRU) Payload Appendices.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 6
2.1 References 6
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Precautions and Limitations 7

3.0 RESPONSIBILITIES 8
3.1 Visual Examination Operator (VEO) 8
3.2 Independent Technical Reviewer (ITR) 8
3.3 Visual Examination Expert (VEE) 8
3.4 Site Project Manager (SPM) 8

4.0 PROCEDURE 9
4.1 VE for Single Packages (small packages or final containers) 9
4.2 VE for Final Packaging 13
4.3 Batch Data Report Preparation 17
4.4 Site Project Manager (SPM) Review 18

5.0 RECORDS 19

LIST OF TABLES

Table 1. Prohibited Items List 20
Table 2. Waste Material Parameters 21
Table 3. Allowable Closure Methods 22

LIST OF ATTACHMENTS

Attachment 1 – Visual Examination Data Form 23
Attachment 2 – Visual Examination Independent Technical Reviewer Checklist 25
Attachment 3 – Visual Examination Site Project Manager Checklist 26
Attachment 4 – Visual Examination Batch Data Report Cover Sheet 27
Attachment 5 – Visual Examination Batch Data Report Table of Contents 28
Attachment 6 – Waste Package Data Sheet (Example) 29

1.0 PURPOSE

This procedure establishes how to perform the visual examination (VE) for remote-handled (RH) transuranic (TRU) waste. This procedure also describes how to prepare and review batch data reports (BDRs) generated by VE.

This procedure provides the actions for collection of VE data and information required by CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan;* CCP-PO-002, *CCP Transuranic Waste Certification Plan;* and DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP).

1.1 Scope

VE verifies the physical waste form, confirms the Waste Stream Description and Waste Matrix Codes provided by Acceptable Knowledge (AK), and confirms that no prohibited items are present. VE is performed by two qualified operators, which is documented on the attachments to this procedure.

VE cannot identify prohibited items imbedded in forms, such as soils and solids, when the material is not removed from the characterized container.

VE may be performed on S3000 or S4000 when the material is not removed from the characterized container if Carlsbad Field Office (CBFO) approves the method for the specific waste form, typically from a surveillance.

VE may be performed in two phases. In the first phase, VE is performed by two qualified operators at the point of generation where the waste is visually inspected, identified, and placed into small containers. At this point (after waste has been placed in small containers), the waste may no longer be visible in its packaging. The packaging could be the small containers that will eventually be packaged into a larger container or a final container. In the second phase, VE is performed when small packages are placed in a larger container or the final container, documented, and then closed rendering VE of the waste no longer possible.

In addition to being used to perform VE at the time waste is actually being placed into the waste container, this procedure may also be used to perform VE of video media of waste being placed into waste containers. In the case of VE being performed for video tapes of waste contents, the VE operators are not in direct control of the waste examination and packaging process. Consequently, the video recordings must be

adequate and complete to identify waste materials and verify the absence of prohibited items as required in the execution of this procedure. Attachment 1, Visual Examination Data Form, for the individual containers, is completed based on the review of the video media.

All site-specific requirements for health, safety, and operations in the work place will be addressed in a site-specific operating procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- *Safety Analysis Report for the RH-TRU 72-B Waste Shipping Package,* U.S. Department of Energy Carlsbad Field Office
- CCP-PO-505, CCP *Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)*
- DOE/WIPP 90-045, *Remote-Handled-Transuranic Waste Content Codes (RH-TRUCON)*

Referenced Documents

- DOE/WIPP-02-3214*, Remote-Handled TRU Waste Characterization Program Implementation Plan*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan,* prior to performing this procedure.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 Facility Requirements

[A] This procedure augments, but DOES **NOT** supersede, applicable requirements of the facilities in which the activities are conducted.

[B] This procedure DOES **NOT** address radiological protection requirements. All activities described SHALL be conducted in accordance with work plans, procedures, or other process controls generated by the facility where the work is performed.

[C] Prior to performing work, personnel will comply with all facility requirements for visitors, as established by each Host site.

2.4.2 Conditions Adverse to Quality

[A] If a condition adverse to quality is identified, the individual(s) identifying the condition SHALL initiate a nonconformance report (NCR) in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

3.0 RESPONSIBILITIES

3.1 Visual Examination Operator (VEO)

3.1.1 Performs the VE.

3.1.2 Assembles the BDR.

3.1.3 Completes Attachment 1(s).

3.1.4 Paginates the BDR.

3.1.5 Completes Attachment 4, Visual Examination Batch Data Report Cover Sheet.

3.1.6 Completes Attachment 5, Visual Examination Batch Data Report Table of Contents.

NOTE

The Independent Technical Reviewer (ITR) will be someone, other than the visual examination operator (VEO), who is qualified to have performed the work. ITRs shall not be involved in the generation or recording of the data.

3.2 Independent Technical Reviewer (ITR)

3.2.1 Reviews the BDR.

3.2.2 Completes Attachment 2(s), Visual Examination Independent Technical Reviewer Checklist.

3.3 Visual Examination Expert (VEE)

3.3.1 Responsible for overall direction and implementation of the VE at that facility.

3.4 Site Project Manager (SPM)

3.4.1 Reviews and approves the BDR.

3.4.2 Completes Attachment 3, Visual Examination Site Project Manager Checklist.

4.0 PROCEDURE

NOTE

A separate Attachment 1 will be used for each small container or package used to contain waste, **AND** an Attachment 1 will be used when combining several smaller packages into a larger container.

A Testing Batch includes all data pertaining to VE for up to 20 containers without regard to waste matrix.

A separate Attachment 1 will be used if the original operators that started the VE could not complete the container (e.g., end of the shift), **AND** two different qualified operators had to resume or finish VE of the container.

Two VEOs, who are equally trained in accordance with CCP-QP-002, will confirm the contents of the waste whether video recording is used or not used.

VEO

4.1 VE for Single Packages (small packages or final containers)

4.1.1 Preparations

[A] Record the following information on Attachment 1:

[A.1] Site Identification (ID) (e.g., RHANL)

[A.2] Examination Date

[A.3] Batch Number if known, otherwise mark as N/A

[A.4] Procedure and Revision Number

[B] Prepare the recording equipment as follows (optional):

[B.1] **IF** recording equipment is to be used,
THEN operate the recording equipment in accordance with site procedures.

[B.2] Verify the recording media is labeled with the container number and date, **AND** annotate the video number on Attachment 1.

[B.3] To verify the recording equipment is operating satisfactorily, record a short segment, **AND** review segment for clarity of image and audio, if applicable.

[B.4] Check SAT (Satisfactory), UNSAT (Unsatisfactory), or N/A on Attachment 1 to record the result of the Recording Equipment Check.

NOTE

If using video/audio media, record the waste packaging event for the container such that the waste placed into the containers are recorded in sufficient detail that a trained VEO can determine what the waste is and its associated waste material parameter.

[B.5] **IF** recording the VE,
THEN enter the Recording Start time on Attachment 1, **AND** begin recording.

4.1.2 Visual Examination (VE)

[A] **IF** a single container will be used for all of the waste to be packaged,
THEN check the Initial Container field N/A, **AND** use the Final Container fields to record steps 4.1.2[B.1] through 4.1.2[J.2].

[B] **IF** the waste will be packaged in small containers and later combined in a final container,
THEN check the Final Container field N/A, **AND** record the following in the Initial Container fields on a separate Attachment 1 for each small container:

NOTE

The Container or Package ID Number is user defined (must be unique to the package or container) but shall be such that the small containers in a final container can be distinguished from each other.

[B.1] Container or Package ID Number

[B.2] Container Type (e.g., less than 4-liter plastic bottle, plastic bag, filtered plastic bag, unsealed 5-gallon pail, 55-gallon drum)

[B.3] Waste Matrix Code as identified from AK

[B.4] Waste Stream as listed in the AK Summary Report

[C] **IF** combining smaller containers into a larger container,
THEN GO TO Section 4.2.

NOTE

The description of the material to be placed in the package shall be sufficiently detailed to allow a reviewer to evaluate the Waste Material Parameters (e.g., crescent wrench Iron-based Metals/Alloys [IM]). The material parameters are listed in Table 2, Waste Material Parameters.

[D] Examine the waste, **AND** record the description of the material to be placed in the package in the Waste Description field on Attachment 1.

[E] Ensure the waste is placed into the package.

[F] **IF** VE of the container can **NOT** be completed by the original qualified operators that started the waste container for any reason,
THEN STOP and notify the VE Expert.

[G] Complete comment section of on Attachment 1, initial and date comments. New qualified operators SHALL initial and date comments for acceptance of waste previously placed into the waste container.

[H] **IF** different qualified operators resume or complete the VE
THEN the operators will start a separate Attachment 1 at step 4.1.2[D], complete Attachment 1 per CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*.

[I] **WHEN** the waste package is full,
OR the bag has met the packaging limit,
THEN perform the following and document on Attachment 1:

[I.1] **IF** recording,
THEN STOP the recording device, **AND** enter the Recording Stop time.

[I.2] **IF** packaging waste in smaller containers that will be combined into a larger container,
THEN GO TO step 4.1.2[I.6].

[I.3] Check Y (Yes) or N (No) to record use of Rigid Liner and enter type (i.e., rigid liner thickness).

[I.4] Check Y or N to record use of Rigid Liner Lid.

[I.5] **IF** liner lid is used,
THEN record hole size in Rigid Liner Lid.

NOTE

The fill percent of the container is based on the highest level of the bulk of the waste. Items (e.g., pipe, plastic bags) that protrude above the bulk of the waste are **NOT** to be included in the fill percent determination. The fill percent is to be recorded in five percent increments (e.g., 35%, 40%, and 45%).

[I.6] Estimate, **AND** record the fill percent.

[I.7] Determine and record the amount of organic waste in 10 percent increments by volume.

[I.8] Ensure the bag liner is closed by either VE or AK record, if applicable.

[I.9] Enter the number of Layers of Confinement for the package.

[I.10] Enter the Closure Method(s) for the individual Layers of Confinement (use the Comments field on Attachment 1 if additional room is needed). N/A if there are no Layers of Confinement.

[I.11] Ensure the lid of the waste container is installed in accordance with Host site procedures, if applicable.

[I.12] **IF** the waste stream is S3000 **OR** S4000 waste that also contains debris,
THEN visually estimate the total weight of debris in the container of waste, **AND** record the debris weight in the Comments field of Attachment 1.

[I.13] Answer the Prohibited Item/RH 72B Criteria questions on Attachment 1.

NOTE

Packaging material applies to the final container only.

[J] Certify the contents of the package by performing the following:

VEO 1

[J.1] Print name, sign, **AND** date Attachment 1 to annotate that the VE has been completed.

VEO 2

[J.2] Print name, sign, **AND** date Attachment 1 to annotate that the VE has been completed.

VEO

[K] Ensure the waste package is stored with reasonable protection from tampering.

4.2 VE for Final Packaging

NOTE

VE for Final Packaging applies when waste package(s) are to be placed into a larger container. For packages VE'd by tape review, the applicable steps in Section 4.2 are completed using AK information.

VEO

4.2.1 Prepare packages for loading as follows:

[A] Identify the packages to be placed in the larger container, **AND** obtain the Attachment 1 for those containers.

[B] Ensure all of the Attachment 1s show that the waste belongs to the same waste stream, there are NO prohibited items present, **AND** there are NO NCRs open that would require additional handling of the waste.

4.2.2 Verify each Package ID Number against the Attachment 1 prior to loading into the larger container.

4.2.3 For each package to be loaded into the larger container, perform the following:

[A] Record the Package ID Number(s) in the Waste Description field on Attachment 1.

[B] Ensure the package is placed into the larger container.

[C] Repeat steps 4.2.3[A] and 4.2.3[B] for each package to be loaded.

[D] **IF** waste container can NOT be completed by the original qualified Operators that started the waste container for any reason,
THEN STOP AND Notify the VE Expert.

[E] Complete comment section of Attachment 1, initial and date comments. New qualified operators SHALL initial and date comments for acceptance of waste previously placed into the waste container.

[F] **IF** different qualified operators resume or complete the VE,
THEN the operators will start with a separate Attachment 1 at step 4.1.2[D] and complete Attachment 1 per CCP-TP-500.

4.2.4 **WHEN** the waste container is FULL,
OR the waste container has met the packaging limit as defined in the AK Summary Report,
THEN perform the following:

[A] **IF** recording,
THEN STOP the recording device,
AND enter the Recording Stop time on Attachment 1.

[B] Check Y or N to record use of Rigid Liner, **AND** enter type.

[C] Check Y or N to record use of Rigid Liner Lid.

[D] **IF** liner lid is used,
THEN record hole size in Rigid Liner Lid.

NOTE

The fill percent of the container is based on the highest level of the bulk of the waste. Items (e.g., pipe, plastic bags) that protrude above the bulk of the waste are **NOT** to be included in the fill percent determination. The fill percent is to be recorded in five percent increments (e.g., 35%, 40%, and 45%).

[E] Estimate, **AND** record the fill percent.

[F] Determine and record the amount of organic waste in 10 percent increments by volume.

[G] Ensure the bag liner is closed by either VE or AK record, if applicable.

[H] Enter the number of Layers of Confinement for the package.

[I] Record the Closure Methods(s) for the individual Layers of Confinement. Use the Comments field on Attachment 1 if additional room is needed. N/A if there are no Layers of Confinement.

[J] Ensure the lid of the waste container is installed in accordance with Host site procedures, if applicable.

[K] **IF** the waste stream is S3000 OR S4000 waste that also contains debris,
THEN visually estimate the total weight of debris in the container of waste and record the debris weight in the comment field of Attachment 1.

[L] Answer the Prohibited Item/RH 72B questions on Attachment 1.

NOTE

Potential hazardous wastes identified by visual examination include:

- Batteries
- Circuit Boards (may be contained in electrical equipment)
- Cathode Ray Tube (CRT)-based computer monitors or televisions
- Lead
- Mercury, mercury containing equipment (e.g., barometers, switches, thermometers, thermostats)
- Light Bulbs (both incandescent and fluorescent)

4.2.5 Certify the contents of the package by performing the following:

VEO 1

[A] Print name, sign, **AND** date Attachment 1 to annotate that the VE has been completed.

VEO 2

[B] Print name, sign, **AND** date Attachment 1 to annotate that the VE has been completed.

VEO

[C] Ensure the waste package is stored with reasonable protection from tampering.

4.3 Batch Data Report Preparation

NOTE

The Testing BDR will contain Attachment 1s for no more than 20 containers. Each container may hold several smaller packages, and each of those may potentially also hold smaller packages, resulting in a number of Attachment 1s for each container.

BDR numbering will be as follows: Site ID, process, year, next sequential number to start back at one at the beginning of the new year (e.g., ANLRHVE05001).

VEO

NOTE

For packages VE'd by tape review, the original packaging data sheet, if available (obtained from AK), is included in the BDR and placed behind the corresponding Attachment 1 (See Attachment 6, Waste Package Data Sheet, for an example).

4.3.1 Complete Attachment 4.

4.3.2 Assemble the following data for the BDR:

[A] Attachment 5, Visual Examination Batch Data Report Table of Contents.

[B] Attachment 1 for each container, original packaging data sheet (if applicable), and the associated Attachment 1s for the internal containers.

[C] Attachment 2, Visual Examination Independent Technical Reviewer Checklist.

[D] Copy of NCRs, if applicable.

4.3.3 Prepare the BDR as follows:

[A] Assemble and organize the BDR.

[B] Place the Internal Container Attachment 1s and original packaging data sheet if applicable, behind the Final Container Attachment 1 in which it resides.

[C] Paginate the BDR.

[D] Complete Attachment 5.

4.3.4 Submit the in process BDR to the VE Expert. The VE Expert will designate ITR.

NOTE

The independent technical review is conducted by an individual who is qualified to have performed the initial work, but who is **NOT** directly responsible for performing the work. The ITR shall not be involved in the generation or recording of the data.

ITR

4.3.5 Enter the BDR Number on Attachment 2.

4.3.6 Review the BDR to the criteria in Attachment 2, **AND** document on Attachment 2.

4.3.7 Print name, sign, and date Attachment 2.

4.3.8 Submit the completed BDR and audio/video media, when applicable, in accordance with CCP-QP-008, *CCP Records Management*.

NOTE

The historical audio/media records from generation sites may be pre-submitted to CCP Records.

4.4 Site Project Manager (SPM) Review

SPM

4.4.1 Obtain copy of BDR.

4.4.2 Enter the BDR Number on Attachment 3.

4.4.3 Review the BDR to the criteria in Attachment 3, **AND** document on Attachment 3.

4.4.4 Print name, sign, and date Attachment 3.

4.4.5 Submit the completed Attachment 3 to CCP Records in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime

[A] Batch Data Report (BDR):

[A.1] Attachment 1, Visual Examination Data Form(s) (There will be multiple Attachment 1s to each BDR package.)

[A.2] Attachment 2, Visual Examination Independent Technical Reviewer Checklist

[A.3] Attachment 3, Visual Examination Site Project Manager Checklist

[A.4] Attachment 4, Visual Examination Batch Data Report Cover Sheet

[A.5] Attachment 5, Visual Examination Batch Data Report Table of Contents

[A.6] Copy of NCRs, if applicable

5.1.2 QA/Nonpermanent

[A] VHS Tape or DVD, as applicable (primary and backup)

Table 1. Prohibited Items List

LIST OF PROHIBITED ITEMS
Liquid Wastes Observable liquid shall be less than 1 percent by volume of the outermost container at the time of RTR or VE. Observable liquid shall be no more than 60 milliliters or 3 percent by volume, whichever is greater, in an internal container. Observable liquid shall not be present in a container with EPA HWN U134 assigned.
Non-Radionuclide Pyrophorics
Non-mixed hazardous waste
Incompatible wastes (Wastes that are incompatible with backfill, seal and panel closure materials, container and packaging materials, shipping container materials, and/or other wastes).
Explosives
Compressed Gases/Pressurized containers (e.g., aerosol cans)
Observable liquid containing Polychlorinated Biphenyls
Ignitables
Corrosives
Reactive waste
Sealed containers greater than 4 liters
Heat-sealed bags not defined in the applicable RH-TRU Payload Appendices, Table 2.5.1
Sharp or heavy objects not adequately blocked, braced, or packaged
Waste that has ever been managed as high-level waste and waste from tanks specified in Table C-8 of CCP-PO-001.

Table 2. Waste Material Parameters

Waste Material Parameter	Description
Iron-based Metals/Alloys (IM)	Iron and steel alloys in the waste; does not include the waste container materials
Aluminum-based Metals/Alloys (AM)	Aluminum or aluminum-based alloys in the waste materials
Other Metals (OM)	All other metals found in the waste materials
Other Inorganic Materials (OIM)	Nonmetallic inorganic waste including concrete, glass, firebrick, ceramics, sand, and inorganic sorbents
Cellulosics (C)	Materials generally derived from high-polymer plant carbohydrates; (e.g., paper, cardboard, wood, and cloth)
Rubber (R)	Natural or man-made elastic rubber gloves, latex materials; (e.g., surgeons' gloves, and leaded rubber gloves)
Plastics (waste materials) (P)	Generally man-made materials, often derived from petroleum feedstock; (e.g., polyethylene and polyvinylchloride)
Organic Matrix (OGM)	Cemented organic resins, solidified organic liquids and sludges
Inorganic Matrix (IGM)	Any homogeneous materials consisting of sludge or aqueous-based liquids that are solidified with cement, calcium silicate, or other solidification agents; (e.g., wastewater treatment sludge, cemented aqueous liquids, and inorganic particulates)
Soils/gravel (S)	Generally consists of naturally occurring soils that have been contaminated with inorganic waste materials

Table 3. Allowable Closure Methods

Confinement Layer	Release Rate (mole/sec/mol fraction) at 298 K (25°C)
Breather vent on can	5.18E-6
Filtered bag	1.075E-5
Fold-and-tape or twist-and-tape liner bag	4.67E-6[Φ]
Heat-sealed bag	$RR = \frac{\rho A_p P_g}{x_p} \frac{mole}{22{,}400\,cm^3\,(STP)}$ where, RR = Release rate of hydrogen, mole/sec/mol fraction H_2 ρ = Hydrogen permeability, cm^3 (STP) cm^{-1} $(cm\ Hg)^{-1}$ s^{-1} [3.6E-10 for polyvinylchloride and 8.6E-10 for polyethylene] A_p = Permeable surface area, cm^2 P_g = Gas pressure, 76 cm Hg x_p = Bag thickness, cm
Inner drum liner filter	3.70E-6
Drum filter	3.70E-6
Fixed lid canister filter (high diffusivity)[Φ]	9.34E-5
Fixed lid canister filter[Φ]	1.48E-5
Removable lid canister filter[Φ]	1.48E-5
NS15 neutron shielded canister open-cell urethane foam gaskets (2 ea. – combined)	7.38E-4[③]
NS30 neutron shielded canister open-cell urethane foam gaskets (2 ea. – combined)	7.96E-4[③]
NS15 neutron shielded canister filter[Φ]	1.48E-5
NS30 neutron shielded canister filter[Φ]	1.48E-5

[Φ] Release rate meets the minimum filter specifications of Section 2.4 of the RH-TRAMPAC.

[Φ] Release rate is valid for all temperatures.

[③] Shaw Environmental, Inc., "Diffusivity and Flow Rates of PORON® Gaskets in RH-TRU Neutron Shielded Canisters," Shaw Environmental, Inc., December 2009.

Attachment 1 – Visual Examination Data Form

	Site ID:				
	Examination Date:		Batch Number:		
	Procedure #:		Revision #:		Video Number:
	Recording Equipment Check: ☐SAT ☐UNSAT ☐N/A		Recording Start:		Recording Stop:
Initial Container ☐ N/A			Final Container ☐ N/A		
	Container or Package ID Number:			Container or Package ID Number:	
	Container Type:			Container Type:	
	Waste Matrix Code:			Waste Matrix Code:	
	Waste Stream:			Waste Stream:	
				Rigid Liner: ☐Y ☐N Type:	Rigid Liner Lid: ☐ Y ☐N
				Rigid Liner Vented or Hole Size:	
	Percent Fill:	Percent Organic Waste:		Percent Fill:	Percent Organic Waste:
	Layers of Confinement:	Closure Method:		Layers of Confinement:	Closure Method:
	Comments (e.g., filter information, NCRs):				
Waste Description:					

Attachment 1 – Visual Examination Data Form (continued)

Container or Package ID Number _____

Prohibited Item(s) Summary			
	YES	NO	N/A
Does the container have observable liquid equal to or greater than 1 percent by volume of the outermost container at the time of RTR or VE?	☐	☐	
Does the container have observable liquid more than 60 milliliters or 3 percent by volume, whichever is greater in an internal container?	☐	☐	
Does the container have observable liquid with an EPA hazardous waste number (HWN) U134 assigned?	☐	☐	
Does the container have observable liquid containing PCBs?	☐	☐	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☐	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☐	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does **NOT** match Table of Allowable Materials for RH-TRU Waste in the RH-TRAMPAC)?	☐	☐	
Is there an indication of wastes containing explosives or compressed gases?	☐	☐	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	☐	☐	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	☐	☐	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☐	☐	
RH 72B Criteria			
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☐	
Are there sealed containers GREATER than 4 liters or heat sealed bags **NOT** defined in the applicable TRUCON Code?	☐	☐	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	☐	☐	
Is the waste consistent with the TRUCON Code?	☐	☐	
Comments:			
Visual Examination Operator 1: _____ Print Name _____ Signature _____ Date			
Visual Examination Operator 2: _____ Print Name _____ Signature _____ Date			

Attachment 2 – Visual Examination Independent Technical Reviewer Checklist

Batch Data Report No.: _____

1. Were data generation and reduction conducted in a technically correct manner in accordance with the methods (procedure) used?	☐ NO	☐ YES	☐ N/A
2. Was the correct revision of the operating procedure used?	☐ NO	☐ YES	☐ N/A
3. Were all the transcription errors corrected?	☐ NO	☐ YES	☐ N/A
4. Are BDR contents complete and match the Visual Examination Batch Data report Table of Contents?	☐ NO	☐ YES	☐ N/A
5. Does the BDR include VE for no more than 20 containers?	☐ NO	☐ YES	☐ N/A
6. Is all data recorded signed and dated in reproducible ink?	☐ NO	☐ YES	☐ N/A
7. Is all raw data recorded clearly, legibly, and accurately?	☐ NO	☐ YES	☐ N/A
8. Are all changes to original data lined out, initialed and dated by the individual making the changes or an individual authorized to make the change?	☐ NO	☐ YES	☐ N/A
9. Is there an adequate written description of the contents?	☐ NO	☐ YES	☐ N/A
10. Were the recording equipment checks satisfactory?	☐ NO	☐ YES	☐ N/A
11. Has each container in this BDR been evaluated for the presence of prohibited wastes?	☐ NO	☐ YES	☐ N/A
12. Has the physical waste form in each container in this BDR been evaluated against the Waste Stream Description and the Waste Matrix Code?	☐ NO	☐ YES	☐ N/A
13. Have the RH Quality Assurance Objectives (QAOs) for VE been met?	☐ NO	☐ YES	☐ N/A
Precision – reconciled discrepancies between operators or between the operator and ITR.	☐	☐	☐
Accuracy – trained operators	☐	☐	☐
Representativeness – description of container contents	☐	☐	☐
Completeness – completed data form and/or recording	☐	☐	☐
Comparability – proper training and adequate AK source documents are available for unopened containers.	☐	☐	☐
14. Were NCRs generated included in the BDR?	☐ NO	☐ YES	☐ N/A
Comments:			

Independent Technical Reviewer:

_____ _____ _____

Printed Name Signature Date

Attachment 3 – Visual Examination Site Project Manager Checklist

Batch Data Report No.: _____

1.	Has all the data received an independent technical review as evidenced by a completed checklist (Attachment 2) and the appropriate ITR signature?		☐ NO	☐ YES
2.	Are BDR contents complete and match the Visual Examination Batch Data Report Table of Contents?		☐ NO	☐ YES
3.	Is the BDR complete (appropriately filled in forms for each container)?		☐ NO	☐ YES
4.	Have the RH Quality Assurance Objectives (QAOs) for VE been met? Precision – reconciled discrepancies between operators Accuracy – trained operators Representativeness – description of container contents Completeness – completed data form and/or recording Comparability – proper training and adequate AK for unopened containers		☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO	☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES
5.	Were NCRs generated included in the BDR?	☐ NO	☐ YES	☐ N/A
Comments:				

SPM:

_____ _____ _____

Printed Name Signature Date

Attachment 4 – Visual Examination Batch Data Report Cover Sheet

Batch Data Report No.: _____ Date: _____

	Waste Container ID Number:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Attachment 5 – Visual Examination Batch Data Report Table of Contents

Batch Data Report No.: _____ Date: _____

Item	Description	Page No.
1	Visual Examination Batch Data Report Cover Sheet (Attachment 4)	
2	Visual Examination Batch Data Report Table of Contents (Attachment 5)	
3	Visual Examination Data Forms (Attachment 1)	
4	Visual Examination Independent Technical Reviewer Checklist (Attachment 2)	
5	Copy of NCRs (N/A [if not applicable])	

Attachment 6 – Waste Package Data Sheet (Example)

RH-TRU (30 Gallon Drum)
Waste Package Data Sheet

RW 81798
AGHCF Drum #: 849

Date Loaded: 6/4/02
Seal No.: 008499
Drum Vent No.: ANL-176

Combustible: (check)
Noncombustible: ✓ (check)
Loaded By: DPM

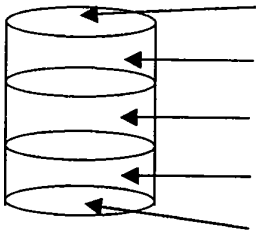
Top Waste Can No.: 324
Bottom Waste Can No.: 323
Drum packaging materials inspected by: JP
Total Weight of Loaded Drum: 115 lbs

Inner Pouch Vent No.: A-31-94
Outer Pouch Vent No.: A-56-94

Acceptable Smearable Levels: <20 dpm/100cm^2 alpha and 1000 dpm/100 cm^2 beta-gamma:

Inner Pouch Primary Seal (dpm/100 cm^2)	NCD	alpha	NCD	beta-gamma
Outer Pouch Secondary Seal (dpm/100 cm^2)	NCD	alpha	NCD	beta-gamma
Exterior of 30-gal Drum (dpm/900 cm^2) (large area smear)	NCD	alpha	NCD	beta-gamma

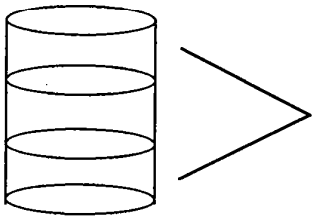
Radiation Levels from 30-gal Drum at 6 cm, R/hr, gamma:



top	~~0.785~~ 1.5
top third	4.4
middle third	4.4
bottom third	5.3
bottom	12

Survey meter used: RMS 3
Serial Number: 263
Last Calibration: 3/02

Radiation Levels at Various Distances from Drum:



Distance from Drum:	1 m (3 ft)	.78 m (6 ft)
Gamma Rad. Level (mR/hr)	600	300
Survey Meter Used:	RMS 3	RMS 3
Serial No.:	263	263
Last Calibration:	3/02	3/02

Surveyed at the AGHCF by: S Yan Location: AGHCF Date: 6.4.02

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CCP-TP-506

Revision 3

CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report

EFFECTIVE DATE: 08/05/2013

Irene Joo

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	04/28/2006	Initial issue.
1	05/05/2006	Revised to address Carlsbad Field Office (CBFO) Document Review Record (DRR) comments.
2	06/08/2006	Revised to reference the correct line numbers for completing the attachments.
3	08/05/2013	Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.

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TABLE OF CONTENTS

1.0 PURPOSE 5
1.1 Scope 5

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Precautions and Limitations 6
2.5 Prerequisite Actions 6
2.6 Definitions 6

3.0 RESPONSIBILITIES 7
3.1 Quality Assurance (QA) 7
3.2 Site Project Manager (SPM) 7
3.3 Acceptable Knowledge Expert (AKE) 7
3.4 CCP Records Custodian 8

4.0 PROCEDURE 9
4.1 Establishing CRR Scope 9
4.2 RH CRR Container Data Work Sheet 1 (Attachment 1) 9
4.3 RH CRR Container Data Work Sheet 2 (VE/RTR) (Attachment 2) 10
4.4 RH CRR Data Quality Objectives (DQOs) (Attachment 3) 10
4.5 RH CRR Quality Assurance Objectives (QAOs) (Attachment 4) 10
4.6 RH CRR Cover Sheet (Attachment 5) 12
4.7 RH CRR Container Continuation Sheet (Attachment 6) 12
4.8 RH CRR SPM/AKE Comments Sheet (Attachment 7) 12
4.9 Summary of Radiological Results by Container Number (Attachment 8) 12
4.10 RH CRR Completion 13

5.0 RECORDS 16

Controlled
Copy

LIST OF TABLES

Table 4.2. Upper Limits for %RSD vs. Number of Replicates 17
Table 4.3. Quality Control Requirements for Radiochemistry.....18
Table 4.4. Statistical Control Limits 19

LIST OF ATTACHMENTS

Attachment 1 – Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 1 EXAMPLE.....20
Attachment 2 – Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 2 (VE/RTR) EXAMPLE 21
Attachment 3 – Remote-Handled Characterization Reconciliation Report Data Quality Objectives (DQOs) EXAMPLE 22
Attachment 4 – Remote-Handled Characterization Reconciliation Report Quality Assurance Objectives (QAOs) EXAMPLE.....25
Attachment 5 – Remote-Handled Characterization Reconciliation Report Cover Sheet EXAMPLE 27
Attachment 6 – Remote-Handled Characterization Reconciliation Report Container Continuation Sheet EXAMPLE.....28
Attachment 7 – Remote-Handled Characterization Reconciliation Report SPM/AKE Comments Sheet EXAMPLE.....29
Attachment 8 – Summary of Radiological Results by Container Number EXAMPLE.....30

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1.0 PURPOSE

Prior to shipment of Remote-Handled (RH) Transuranic (TRU) waste, the Central Characterization Program (CCP) will reconcile the data in accordance with the requirements of DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan* (WCPIP). Data reconciliation is required in order for the Site Project Manager (SPM) to complete the Acceptable Knowledge (AK) Characterization Reconciliation Report (CRR).

1.1 Scope

This procedure provides the methodology for data reconciliation with the Data Quality Objectives (DQOs) provided in the WCPIP, following data validation and verification by the SPM. This reconciliation is performed at the waste stream or waste stream lot level. This procedure provides instructions for the completion of the CRR. The CRR for an RH TRU waste stream shall be submitted to the U.S. Department of Energy (DOE)/Carlsbad Field Office (CBFO) for approval prior to shipment of that RH TRU waste stream to the Waste Isolation Pilot Plant (WIPP).

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- *Waste Isolation Pilot Plant Land Withdrawal Act* (Public Law 102-579)

Referenced Documents

- DOE/WIPP 02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- DOE/WIPP 94-1012, *Quality Assurance Program Document*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-005, *CCP Acceptable Knowledge Documentation*

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2.2 Training Requirements

2.2.1 Personnel performing this procedure will be trained and qualified in accordance with CCP-QP-002, *CCP Training and Qualification Plan*, prior to performing this procedure.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 None.

2.5 Prerequisite Actions

2.5.1 Ensure the AK Summary Report for the subject waste stream of the CRR is approved.

2.6 Definitions

2.6.1 None.

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3.0 RESPONSIBILITIES

NOTE

Implementation of this procedure requires four positions as follows: Acceptable Knowledge Expert (AKE), CCP Records Custodian, Quality Assurance (QA), and SPM.

3.1 Quality Assurance (QA)

3.1.1 Reviews the AK Summary Report, confirmatory test data, and identified AK discrepancies.

3.2 Site Project Manager (SPM)

3.2.1 Ensures that all data generated and used in decision making meet the DQOs provided in the WCPIP.

[A] Assesses whether data of sufficient type, quality, and quantity have been collected.

[B] Determines that all DQOs and Quality Assurance Objectives (QAOs) have been met.

[C] Documents DQO and QAO compliance in the CRR and provides the CRR to DOE/CBFO prior to shipment of the waste to the WIPP.

[D] Prepares AK accuracy report.

3.3 Acceptable Knowledge Expert (AKE)

3.3.1 Compiles the AK information for the waste stream being characterized.

3.3.2 As the waste stream is characterized, confirms the AK information with the characterization data collected.

3.3.3 For the completion of the CRR (conducted in accordance with this procedure), provides assistance to the SPM.

3.3.4 Reviews the CRR.

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3.3.5 Provides a signature release on Attachment 5, Remote-Handled Characterization Reconciliation Report Cover Sheet EXAMPLE, verifying that the AK information contained in the CRR is correct.

3.4 CCP Records Custodian

3.4.1 Provides records requested by the SPM and AKE during the generation of the CRR in accordance with CCP-QP-008, *CCP Records Management*.

3.4.2 Receives and processes all records generated by this procedure in accordance with CCP-QP-008.

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4.0 PROCEDURE

4.1 Establishing CRR Scope

SPM

NOTE

The CRR scope is an objective determination based on the size of the waste stream and the number of containers for which characterization has been completed and which are available to be included in the CRR.

4.1.1 Determine which containers will be included in the CRR.

4.1.2 Identify the data necessary to complete the CRR (e.g., AK Summary Report, Confirmatory Test Plan applicable to the waste stream, Batch Data Reports [BDRs], source documents), **AND** request any necessary documents from the CCP Records Custodian in accordance with CCP-QP-008.

CCP Records Custodian

4.1.3 Provide SPM with copies of any documents requested.

SPM

NOTE

The CRR number is a unique sequential number (e.g., CRR-ANLE-AERHDM-0001) that will identify the CRR, site, and waste stream.

4.2 RH CRR Container Data Work Sheet 1 (Attachment 1)

4.2.1 General Information

[A] Record information for container on Lines 1 through 19, **AND** reference the source.

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4.3 RH CRR Container Data Work Sheet 2 (VE/RTR) (Attachment 2)

4.3.1 Correlation Between Attachments

NOTE
Lines 20 through 24 are automatically populated by the link from Attachment 1.

[A] Record information for container on Lines 25 through 29, **AND** reference source.

4.4 RH CRR Data Quality Objectives (DQOs) (Attachment 3)

4.4.1 Correlation Between Attachments

NOTE
Lines 30 through 32 are automatically populated by the link from Attachment 1.

[A] Record information (qualification method [e.g., data record, peer review]) for waste stream on Lines 33 through 58, **AND** list the supporting documentation and resolution for DQOs.

[B] **IF** the DQO for any category has **NOT** been met, **THEN** generate a nonconformance report (NCR) in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*.

4.5 RH CRR Quality Assurance Objectives (QAOs) (Attachment 4)

4.5.1 Correlation Between Attachments

NOTE
Lines 59 through 61 are automatically populated by the link from Attachment 1.

NOTE
The sources requested to complete Attachment 4 include, but are not limited to, citing the AK section, citing the AK source documents, citing the BDR Number, sampling plan or any other data or information used to determine that the QAO has been met.

4.5.2 AK Evaluation of QAO

[A] Quality Assurance Objectives (QAOs) by Method for definition of Precision, Accuracy, Representativeness,

Completeness, Comparability, determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 62 through 66 (CCP-PO-002, *CCP Transuranic Waste Certification Plan*).

4.5.3 VE Method Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 67 through 71 (CCP-PO-002).

4.5.4 Dose-to-Curie Conversion Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 72 through 76 (CCP-PO-002).

4.5.5 Radiography Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 77 through 81 (CCP-PO-002).

4.5.6 NDA Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 82 through 86 (CCP-PO-002).

4.5.7 Destructive Assay Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 87 through 91 (CCP-PO-002).

4.5.8 Surface Dose Rate Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 92 through 96 (CCP-PO-002).

4.5.9 Sampling Methodologies Evaluation of QAOs

[A] Determine if the QAOs for AK have been met, **AND** indicate the answers on Lines 97 through 101 (CCP-PO-002).

4.5.10 **IF** the QAOs have **NOT** been met,
THEN generate an NCR in accordance with CCP-QP-005.

4.5.11 Provide an explanation for answers that contain N/A [not applicable] in the source field.

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4.6 RH CRR Cover Sheet (Attachment 5)

4.6.1 Correlation between Attachments.

NOTE
Lines 102 through 106 are automatically populated by the link from Attachment 1.

[A] Record information for the waste stream on Lines 107 through 131.

[B] Discuss any remediation activity or other relevant information in the Visual Examination/Real-Time Radiography (VE/RTR) Summary Results.

4.7 RH CRR Container Continuation Sheet (Attachment 6)

4.7.1 Use Attachment 6 for additional information needed for any line item from Attachments 1 through 5.

4.8 RH CRR SPM/AKE Comments Sheet (Attachment 7)

NOTE
Attachment 7 need **NOT** be completed if NO comments are desired.

4.8.1 Indicate any comments, clarifications, additional information necessary on Attachment 7.

4.9 Summary of Radiological Results by Container Number (Attachment 8)

NOTE
The TRU Container Activity field in Attachment 8 is a logical field populated based on the values entered in the attachment.

4.9.1 Complete Attachment 8 for each payload container by identifying the container number, associated BDR number, method used to confirm radiological data, TRU activity and associated Total Measurement Uncertainty (TMU).

4.9.2 Record any additional information for radiological data in the Comments section.

4.10 RH CRR Completion

NOTE
Attachments 1 and 2 are supplemental information for each container. Include Atachments 1 and 2 will be submitted to the Records Custodian only.

4.10.1 Complete the CRR, which consists of (in this order):

- Attachment 5
- Table of Contents
- Attachment 7 (if applicable)
- Attachment 8
- Attachment 3
- Attachment 4
- Attachment 6 (where applicable)
- A complete copy of the AK Summary Report for the waste stream
- Listing of AK discrepancies generated by an AK Qualification process and the corresponding resolutions

4.10.2 Paginate the CRR.

4.10.3 Submit the CRR to the AKE for review.

AKE

4.10.4 Review the CRR.

4.10.5 Identify any errors or omissions in references or other AK-related entries.

4.10.6 Notify the SPM of identified errors and omissions.

4.10.7 Provide any comments on Attachment 7.

[A] Print name, sign, and date Attachment 7.

SPM/AKE

4.10.8 Resolve any questions identified during AKE review.

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AKE

4.10.9 List any discrepancies during resolution in the SPM/AKE/QA Comments section on Attachment 7.

NOTE

The AKE's signature on Attachment 5 (Cover Sheet) indicates that the AKE has reviewed the CRR and concurs with the findings and the references related to AK. All issues identified by the AKE during review have been resolved.

4.10.10 Print name, sign, and date Attachment 5 (Cover Sheet).

4.10.11 Submit the CRR to the QA.

NOTE

The QA signature indicates that QA has reviewed the AK Summary Report, confirmatory test data, notes, any AK discrepancies, and that any issues identified have been resolved.

QA

4.10.12 Identify any errors or omissions in references or other AK related entries.

4.10.13 Notify the SPM of identified errors and omissions.

4.10.14 Provide any comments on Attachment 7.

[A] Print name, sign, and date Attachment 7.

4.10.15 Review the AK Summary Report, confirmatory test data, notes and identified AK discrepancies.

4.10.16 Resolve comments with SPM.

4.10.17 Print name, sign, and date Attachment 5.

4.10.18 Submit the CRR to the SPM.

SPM

4.10.19 Resolve any questions identified during QA review.

NOTE

The SPM's signature indicates that the SPM has either prepared the document personally or had responsible charge of the preparation and verifies that the information is correct. All issues identified by the AKE/QA have been resolved.

SPM

4.10.20 Print name, sign, and date Attachment 5.

4.10.21 Prepare an AK Accuracy Report in accordance with CCP-TP-005, CCP *Acceptable Knowledge Documentation*

4.10.22 Prepare transmittal letter to DOE/CBFO.

4.10.23 Provide a copy of CRR, DOE/CBFO transmittal letter, and Attachments 1 and 2 to the CCP Records Custodian.

4.10.24 Transmit the CRR to DOE/CBFO.

CCP Records Custodian

4.10.25 Receive and process records generated by this procedure in accordance with CCP-QP-008 once CBFO has provided approval.

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5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) records in accordance with CCP-QP-008, The records are the following:

5.1.1 QA/Lifetime

[A] CRR:

[A.1] Attachment 1, Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 1

[A.2] Attachment 2, Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 2 (VE/RTR)

[A.3] Attachment 3, Remote-Handled Characterization Reconciliation Report Data Quality Objectives (DQOs)

[A.4] Attachment 4, Remote-Handled Characterization Reconciliation Report Quality Assurance Objectives (QAOs)

[A.5] Attachment 5, Remote-Handled Characterization Reconciliation Report Cover Sheet

[A.6] Attachment 6, Remote-Handled Characterization Reconciliation Report Container Continuation Sheet

[A.7] Attachment 7, Remote-Handled Characterization Reconciliation Report SPM/AKE Comment Sheet

[A.8] Attachment 8, Summary of Radiological Results by Container Number

Table 4.2. Upper Limits for %RSD vs. Number of Replicates

Number of Replicates	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Max %RSD	1.8	6.6	10.0	12.3	14.0	15.2	16.2	17.1	17.7	18.3	18.8	19.3	19.7	20.0

Table 4.3. Quality Control Requirements for Radiochemistry

QC Sample	Minimum Frequency	Acceptance Criteria	Corrective Action
Laboratory control samples (LCS)	One per analytical batch	75% to 125%R	See Laboratory Control Sample[a]
Method blank	One per analytical batch	Site-specific statistical control limits	See Method Blanks[b]
Laboratory duplicate	One per analytical batch	RPD 40	See Laboratory Duplicate[c]
Matrix spike (MS)	One per analytical batch for ICP-MS, as required by the test performed	50 to 150%R	See Matrix Spike and Matrix Spike Duplicate[d]
Matrix spike duplicate (MSD)	One per analytical batch, as required by the test performed	50 to 150%R RPD 40	See Matrix Spike and Matrix Spike Duplicate[d]
Radioisotopic tracers	Every sample	Site-specific statistical control limits	See Radioisotopic Tracer[e]

[a]**Laboratory Control Sample (LCS)**: An LCS is analyzed at least once per analytical batch. If a solid matrix with established control limits is used as the LCS, the established limits may be used for the acceptance criteria. The control limits will meet the criteria in Table 4-4.
[b]**Method Blanks**: A method blank is analyzed at least once per analytical batch. It contains all reagents in proportions equal to those in the samples and is carried through the analytical procedure to identify if contamination is present. Each site establishes the acceptance criteria for method blanks; if they are expressed as statistical control limits they shall meet the requirements in Table 4-4. Criteria may be absolute values, multiples of background variation, fractions of activity concentrations observed in samples, or other appropriate units.
[c]**Laboratory Duplicates**: A laboratory duplicate is analyzed at least once per analytical batch. A laboratory duplicate is a separate aliquot from the same field sample carried through the entire analytical procedure. The RPD between duplicate results is compared with the criteria.
[d]**Matrix Spike and Matrix Spike Duplicate**: Duplicate MSs on individual field samples are performed for inductively couple plasma-mass spectrometry (ICP-MS) analysis at a minimum frequency of one pair (MS plus MSD) per analytical batch. The MSDs are preferred for any analytical procedure not using radioactive tracers. The MS and MSD results are acceptable if the criteria given above for percent recovery and RPD are met.
[e]**Radioisotopic Tracer**: Some methods require that all samples, blanks, LCSs, and laboratory duplicates be spiked with radioisotopic tracers to determine chemical recoveries, counting efficiencies, or a combination thereof. Each site establishes the acceptance criteria for method blanks; if they are expressed as statistical control limits they shall meet the requirements in Table 4-4.

Table 4.4. Statistical Control Limits

	Acceptability Range	**Required Response**
Acceptable Range	Data[b] $2\sigma^a$	No action required.
Warning Range	$2\sigma^a$ < Data $3\sigma^a$	The QC measurement shall be run no more than twice. If the rerun QC measurement results in data within $\pm 2\sigma$, then the QC measurements shall be documented and work may continue. If the system does not fall within $\pm 2\sigma$ after two QC measurements, then the required response for the Action Range shall be followed.
Action Range	Data > $3\sigma^a$	Work shall stop and the occurrence shall be documented and appropriately dispositioned (e.g., initiating an NCR). The measurement system shall be removed from service pending successful resolution of all necessary actions, and all assays performed since the last acceptable QC measurement are suspect, pending satisfactory resolution.

[a]σ – The standard deviation is only based on the reproducibility of the data check measurements themselves. This is not TMU.
[b] – Absolute Value

Attachment 1 – Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 1 EXAMPLE

line #			Source
1	CRR Number	CRR-ANLE-AGHCF-S5000-001	AGHCF (Alpha Gamma Hot Cell Facility)
2	**Container Number**	743	
3	Site	INL	Waste generated at ANLE
4	Waste Stream	ID-ANLE-S5000	CCP-AK-INL-500 Rev. 1
5	Waste Matrix Code	not assigned as of 5/2/06	not available
6	Summary Category Group	**S5000 - Debris Waste**	CCP-AK-INL-500 Rev. 1
7	Radiological BDR number(s)	Dose to Curie INL060314	
8	VE BDR Number	RHINLVE060001	
9	NDE BDR Number	N/A	PRINT
10	Waste Stream Profile Number	not assigned as of 5/2/06	

		Identify Confirmatory Testing Methods	List Confirmatory Test Plan Document Number			
11		Radiological Characterization Technical Report	CCP-AK-INL-501			LANL ICP-MS Dose-to-Curie Methodology
12						
13						
14						
15						
16						
17						
18						
19	Were alternative methods of confirmatory testing not listed above used to qualify AK?		☑ yes	☐ no	☐ NA	VE using video tape

Attachment 2 – Remote-Handled Characterization Reconciliation Report Container Data Work Sheet 2 (VE/RTR) EXAMPLE

line #					
20	CRR Number	CRR-ANLE-AGHCF-S5000-001			
21	**Container Number**	743			
22	Site	INL			
23	Waste Stream	ID-ANLE-S5000			
24	Summary Category Group	S5000 - Debris Waste			
	Waste Stream VE/RTR Information		**SOURCE**		
25	How many containers are identified in the waste stream/lot which includes this container?	**549**	**CCP-AK-INL-500 Rev. 1**		
	Container Specific VE/RTR Information	**SOURCE**			
26	Was this container packaged or re-packaged as a result of prohotibed item?		☐ yes	☑ no	☐ NA
27	Did the contents of the container match the waste stream description?	RHINLVE060001	☑ yes	☐ no	☐ NA
	Prohibited Items				
	Liquids				
28	Did this container include any liquids?		☐ yes	☑ no	☐ NA
29	If the container included liquids, did these liquids exceed 1% of the volume of the waste container?		☐ yes	☐ no	☑ NA

Attachment 3 – Remote-Handled Characterization Reconciliation Report Data Quality Objectives (DQOs) EXAMPLE

line #							
30	CRR Number	CRR-ID-EBR-S5000-0001					
31	Site	INL					
32	Waste Stream	ID-EBR-S5000					
	DQO					**List the Characterization Method and Supporting Sources of DQO**	**AK discrepancy/ resolutions relevent to DQO**
33	**Defense Waste, High Level, and Spent Nuclear Fuel Determination**	Is the waste stream identified in AK?	☑ yes	☐ no		CCP-AK-INL-600, Rev. 0 Section 2	None
34		According to AK, was the Waste generated by defense activities, is not high level waste, and is not spent nuclear fuel?	☑ yes	☐ no		CCP-AK-INL-600, Rev. 0, Sections 4.1.4 and 5.3	None
35		What is the source of the information regarding the Defense Waste, High Level Waste and Spent Nuclear Fuel Determination?				Source documents C002, C004, C214, P001, P036, P049, P055, P071, P777, P778, P881, P4078, P4081, P4082, P4084, P4090, U552, for defense waste and for determining the waste does not include spent nuclear fuel or high-level waste, as defined by the NWPA	None
36		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan .	☑ yes	☐ no		CCP-AK-INL-600, Rev. 0, Sections 4.1.4 and 5.4.5	None
37	**TRU Waste Determination**	Is the TAAC greater than 100nCi/g for all containers?	☑ yes	☐ no		Dose-to-Curie CCP-RC-INL-601, waste container dose-to-curie conversion record	None
38		How was TRU Alpha Activity Concentration (TAAC) determined?				Formulas detailed in source document U4052 and U4047	None
39		Is the Lower Limit of detection of the instument and method used to determine the TAAC 100nCi/g or less?	☑ yes	☐ no	☐ NA	CCP-RC-INL-601, Rev. 0, "At a concentraion of 100 nCi/g the one meter dose rate would be approximately .5 mR/hr which would require a background dose rate of 0.15 mR/hr."	None
40		Is the waste in this waste stream TRU Waste?	☑ yes	☐ no		Dose-to-Curie CCP-RC-INL-601, waste container dose-to-curie conversion record	None
41		What is the source of the information regarding the TAAC?				Dose-to-Curie CCP-RC-INL-601, waste container dose-to-curie conversion record	None
42		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan.	☑ yes	☐ no		CCP-RC-INL-601, Rev. 0, source document U4052 and U4047, Dose-to-Curie, waste container dose-to-curie conversion record	None

Attachment 3 – Remote-Handled Characterization Reconciliation Report Data Quality Objectives (DQOs) EXAMPLE (Continued)

	DQO				List the Characterization Method and Supporting Sources of DQO	AK discrepancy/ resolutions relevent to DQO
43	**RH Waste Determination**	Is the surface dose rate greater than 200 mrem/hr for all containers in this waste stream?	☑ yes	☐ no	Radiological survey report provided by INL	None
44		Is the surface dose rate less than or equal to 1000 rem/hr for all containers in this waste stream?	☑ yes	☐ no	Radiological survey report provided by INL	None
45		Does the calibration of the instrument used to measure the surface dose meet the requirements of the QAPD?	☑ yes	☐ no	Host site instrument calibration certificates	None
46		What is the source of the information regarding the surface dose rate?			Host site radiological survey report	None
47		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan .	☑ yes	☐ no	Radiological survey report provided by INL	None
48	**Total Activity Determination**	Is the activity plus two times the TMU less than or equal to 23 CI/L for each payload container in this waste stream?	☑ yes	☐ no	Dose-to-Curie CCP-RC-INL-601 waste container dose-to-curie conversion record	None
49		What is the source of the information regarding the activity?			Dose-to-Curie CCP-RC-INL-601 waste container dose-to-curie conversion record	None
50		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan.	☑ yes	☐ no	Dose-to-Curie CCP-RC-INL-601 waste container dose-to-curie conversion record	None

Attachment 3 – Remote-Handled Characterization Reconciliation Report Data Quality Objectives (DQOs) EXAMPLE (Continued)

51	**Liquids**	Are there liquids in the waste?	☐ yes	☑ no		INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
52		What is the approximate volume of the liquid? If none indicate none.	None		units	INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
53		Do any liquids exceed 1% of the volume of the container? If no liquids indicate NA.	☐ yes	☐ no	☑ NA	INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
54		What is the source of the information regarding liquids (i.e. AK, RTR, VE)?				INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
55		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan.	☑ yes	☐ no		INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography data sheets and training records for personnel performing Real Time Radiography or Visual Examination	None
56	**Physical Form**	Has the Cellulose, Plastic, and Rubber (CPR) been submitted for determining the physical form of the waste?	☑ yes	☐ no		INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
57		Has the information on the type and number of containers, waste forms, processes and materials that produced the waste been submitted?	☑ yes	☐ no		INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None
58		Has the DQO been met? RH Tru Waste Characterization Program Implementation Plan.	☑ yes	☐ no		INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001, INLRHRTR12019 Real Time Radiography and/or Visual Examination data sheets	None

Attachment 4 – Remote-Handled Characterization Reconciliation Report Quality Assurance Objectives (QAOs) EXAMPLE

line #									
59	CRR Number	CRR-ID-EBR-S5000-0001							
60	Site	INL							
61	Waste Stream	ID-EBR-S5000							
	Method	**QAO**	**QAO met?**			**Procedure Section**	**Source**	**WCPIP Section**	
62	AK	Precision	☐ yes	☐ no	☑ NA	CCP-TP-506 Section 4.5.2	QAO not established for AK Precision	4.1	
63		Accuracy	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.2	Containers did not require reassignment to a new Summary Category Group or new waste stream based on reevaluation of AK.	4.1	
64		Representativeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.2	CCP-AK-INL-600, Rev. 0, Section 1	4.1	
65		Completeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.2	CCP-AK-INL-600, Rev. 0, Section 1	4.1	
66		Comparability	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.2	LOQI and CCP-QP-002, Rev 35	4.1	
67	VE	Precision	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.3	INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001 Attachment 1	4.2.1	
68	Method	Accuracy	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.3	Training Records	4.2.1	
69	Does method apply? ☑ yes ☐ no	Representativeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.3	INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001 Attachment 1	4.2.1	
70		Completeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.3	INLRHVE110001, INLRHVE11002, INLRHVE11003, INLRHVE12001 Attachment 1	4.2.1	
71		Comparability	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.3	Training Records	4.2.1	
72	Dose to Curie	Precision	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.4	CCP-RC-INL-601	4.3.2	
73	Conversion	Accuracy	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.4	CCP-RC-INL-601	4.3.2	
74	Does method apply?	Representativeness	☐ yes	☐ no	☑ NA	CCP-TP-506 Section 4.5.4	QAO not applicable dose rate measurement	4.3.2	
75	☑ yes ☐ no	Completeness	☐ yes	☐ no	☑ NA	CCP-TP-506 Section 4.5.4	QAO not applicable dose rate measurement	4.3.2	
76		Comparability	☐ yes	☐ no	☑ NA	CCP-TP-506 Section 4.5.4	QAO not applicable dose rate measurement	4.3.2	
77	Radiography	Precision	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.5	INLRHRTR12019 Attachment 1 signature lines	4.2.2	
78	Does method apply?	Accuracy	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.5	Training records (LOQI)	4.2.2	
79	☑ yes ☐ no	Representativeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.5	INLRHRTR12019 Attachment 1	4.2.2	
80		Completeness	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.5	INLRHRTR12019 data sheets	4.2.2	
81		Comparability	☑ yes	☐ no	☐ NA	CCP-TP-506 Section 4.5.5	Training	4.2.2	

Attachment 4 – Remote-Handled Characterization Reconciliation Report Quality Assurance Objectives (QAOs) EXAMPLE (Continued)

	Method	QAO	QAO met?	Procedure Section	Source	WCPIP Section
82	**Nondestructive**	Precision	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.6		4.3.3.2
83	**Assay**	Accuracy	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.6		4.3.3.2
84	Does method apply?	Representativeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.6		4.3.3.2
85	☐ yes ☑ no	Completeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.6		4.3.3.2
86		Comparability	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.6		4.3.3.2
87	**Destructive**	Precision	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.7		4.3.4.3
88	**Assay**	Accuracy	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.7		4.3.4.3
89	Does method apply?	Representativeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.7		4.3.4.3
90	☐ yes ☑ no	Completeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.7		4.3.4.3
91		Comparability	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.7		4.3.4.3
92	**Surface Dose**	Precision	☑ yes ☐ no ☐ NA	CCP-TP-506 Section 4.5.8	INL Survey	4.3.7
93	**Rate**	Accuracy	☑ yes ☐ no ☐ NA	CCP-TP-506 Section 4.5.8	INL Survey	4.3.7
94	Does method apply? ☑ yes ☐ no	Representativeness	☑ yes ☐ no ☐ NA	CCP-TP-506 Section 4.5.8	INL Survey	4.3.7
95		Completeness	☑ yes ☐ no ☐ NA	CCP-TP-506 Section 4.5.8	21 containers measured; 21 acceptable data reported	4.3.7
96		Comparability	☑ yes ☐ no ☐ NA	CCP-TP-506 Section 4.5.8	INL Survey	4.3.7
97	**Sampling**	Precision	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.9		4.3.4.2
98	**Methodologies**	Accuracy	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.9		4.3.4.2
99	Does method apply?	Representativeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.9		4.3.4.2
100	☐ yes ☑ no	Completeness	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.9		4.3.4.2
101		Comparability	☐ yes ☐ no ☑ NA	CCP-TP-506 Section 4.5.9		4.3.4.2

Attachment 5 – Remote-Handled Characterization Reconciliation Report Cover Sheet EXAMPLE

line #				
102	CRR Number	CRR-INL-AGHCF-S5000-001		
103	Waste Stream	ID-ANLE-S5000		
104	Site	INL		
105	Waste Matrix Code	not assigned as of 5/31/06		
106	Summary Category Group	S5000 - Debris Waste		
107	Have all DQOs been met?	☑ yes	☐ no	
108	Are any prohibited items present?	☐ yes	☑ no	
109	Are any liquids present at greater than 1% of the volume of the container?	☐ yes	☑ no	
110	Was AK qualified in accordance with the requirements of the WCPIP?	☑ yes	☐ no	
111	Are all containers Remote-handled TRU waste?	☑ yes	☐ no	
	List all container numbers used to generate the CRR	**VE BDR #**	**RTR BDR #**	**Radiological BDR #**
112	00738	RHINLVE060001	NA	INLRHDTC06001
113	00739	RHINLVE060001	NA	INLRHDTC06001
114	00740	RHINLVE060001	NA	INLRHDTC06001
115	00741	RHINLVE060001	NA	INLRHDTC06001
116	00742	RHINLVE060001	NA	INLRHDTC06001
117				
118				
119				
120				
121				
122				
123				
124				
125				
126				
127				
128				
129				
130				
131				

RTR/VE Summary Results
Visual Examination confirmed that liquids greater than 1 percent are absent from the waste and that the physical properties of the waste are consistent with ID-ANLE-S5000.

	SPQAO Signature	SPQAO Printed Name	Date
	AKE Signature	AKE Printed Name	Date
	SPM Signature	SPM Printed Name	Date

Controlled
Copy

Attachment 6 – Remote-Handled Characterization Reconciliation Report Container Continuation Sheet EXAMPLE

	CRR Number	CRR-ANLE-AGHCF-S5000-001
	Site	INL
	Waste Stream	ID-ANLE-S5000
continuation from line #	**INFORMATION**	**SOURCE**

Attachment 7 – Remote-Handled Characterization Reconciliation Report SPM/AKE Comments Sheet EXAMPLE

CRR Number	CRR-ANLE-AGHCF S5000-001
Site	INL
Waste Stream	ID-ANLE-S5000
SPM/AKE/SPQAO COMMENTS	
Commenter shall Print their name, Sign and date comments.	

Attachment 8 – Summary of Radiological Results by Container Number EXAMPLE

Summary Radiological Results by Container Number

CRR Number	CRR-ANLE-AGHCF-S5000-001
Site	INL
Waste Stream	ID-ANLE-S5000

		Radiological Characterization Method				TRU Waste Determination			Total Activity Determination			RH Waste Determination		
Container number	BDR number	AK	DTC	DA	NDA	TRU Alpha Activity Concentration (TAAC)	Uncertainty at 1 simga	TRU waste (100 nCi/g or greater)	Activity	TMU (2 simga)	Is Activity + 2*TMU < 23 Ci/L?	Surface Dose Rate	Unit	Surface Dose Rate > 200 mrem/hr and ≤ 1,000 rem/hr?
738	INL060314	☐	☑	☐	☐	6.86E+03	5.19E+03	Yes	3.40E-02	2.65E-02	Yes	4	rem/hr	Yes
739	INL060314	☐	☑	☐	☐	1.24E-04	9.41E+03	No	5.98E-02	4.66E-02	Yes	6	rem/hr	Yes
740	INL060314	☐	☑	☐	☐	1.90E+04	1.44E+04	Yes	1.02E-01	7.94E-03	Yes	9	rem/hr	Yes
741	INL060314	☐	☑	☐	☐	1.27E+04	9623.6	Yes	7.14E-02	5.57E-02	Yes	4	rem/hr	Yes
742	INL060314	☐	☑	☐	☐	4.09E+03	1.58E+03	Yes	2.36E-02	1.84E-02	Yes	2.5	rem/hr	Yes
743	INL060314	☐	☑	☐	☐	1.39E+03	5.35E+02	Yes	7.98E-03	6.23E-03	Yes	0.5	rem/hr	Yes
		☐	☐	☐	☐			No			Yes			
		☐	☐	☐	☐			No			Yes			
		☐	☐	☐	☐			No			Yes			
		☐	☐	☐	☐			No			Yes			
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		☐	☐	☐	☐			No			Yes			
		☐	☐	☐	☐			No			Yes			
		☐	☐	☐	☐			No			Yes			

Comments: N/A

Controlled
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CCP-TP-509

Revision 4

CCP Remote-Handled Transuranic Container Tracking

EFFECTIVE DATE: 06/21/2013

Irene Joo

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	02/16/2006	Initial issue.
1	06/02/2008	Delete requirement for hanging nonconformance (NCR) tag.
2	11/11/2008	Revised to add responsibilities and procedural steps to incorporate sampling operations into the program. Added reference to CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*. Added note to step 4.4.1 regarding Acceptable Knowledge (AK) Expert review on newly packaged waste containers added to the AK Tracking Spreadsheet.
3	02/24/2011	Revised to include the nondestructive assay (NDA) process.
4	06/21/2013	Revised to incorporate Nuclear Waste Partnership (NWP) transition changes, eliminate reference to CCP Data Center, and to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 4
2.1 References 4
2.2 Training Requirements 4
2.3 Equipment List 5
2.4 Precautions and Limitations 5
2.5 Prerequisite Actions 5
2.6 Definitions 5

3.0 RESPONSIBILITIES 6
3.1 Container Management Personnel 6
3.2 Nondestructive Examination (NDE) Operator 6
3.3 Dose Operator 6
3.4 Nondestructive Assay (NDA) Operator 6
3.5 Visual Examination (VE) Operator 7
3.6 Sampling Operator 7
3.7 Vendor Project Manager (VPM) 7
3.8 Site Project Manager (SPM) 7
3.9 Facility Records Custodian 7

4.0 PROCEDURE 8
4.1 Scale Calibration Check 8
4.2 Container Weighing 9
4.3 NDE Process 10
4.4 Dose Process 10
4.5 NDA Process 10
4.6 VE Operations 11
4.7 Sampling Operations 11
4.8 Radiochemistry Analysis 12
4.9 Container Tracking 12
4.10 Updating and Maintaining sftp Site 12

5.0 RECORDS 13

LIST OF ATTACHMENTS

Attachment 1 – Scale Calibration Check Information 14
Attachment 2 – Standardized Container Management Report 15

1.0 PURPOSE

This procedure describes and implements the Central Characterization Program (CCP) tracking of remote-handled (RH) transuranic (TRU) waste containers during the characterization process.

1.1 Scope

This procedure applies to personnel who support CCP RH TRU waste characterization activities. The Host site may use their procedures for container movement and handling. Container tracking through CCP activities will be conducted using this procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*

Referenced Documents

- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-QP-040, *Support Training*
- CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*

2.2 Training Requirements

2.2.1 None.

2.3 Equipment List

2.3.1 None.

2.4 Precautions and Limitations

2.4.1 None.

2.5 Prerequisite Actions

2.5.1 None.

2.6 Definitions

2.6.1 None.

3.0 RESPONSIBILITIES

NOTE
Container Management personnel may be CCP and/or Host site personnel as determined by CCP and the Host facility.

3.1 Container Management Personnel

3.1.1 Verifies container is on the Acceptable Knowledge Tracking Spreadsheet (AKTSS).

3.1.2 Verifies container has a legible radiological label/tag with a radiation dose equivalent rate.

3.1.3 Performs scale calibration check and container weighing.

3.1.4 Records scale calibration information on Attachment 1, Scale Calibration Check Information.

3.1.5 Records the Gross Container Weight and the Container Identification (ID) Number on Attachment 2, Standardized Container Management Report.

3.2 Nondestructive Examination (NDE) Operator

3.2.1 Provides the container processing information (Container ID Number, Batch Data Report [BDR] Number, Nonconformance Report [NCR] Number if applicable, and reason for NCR) to the Site Project Manager (SPM)/Vendor Project Manager (VPM).

3.3 Dose Operator

3.3.1 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

3.4 Nondestructive Assay (NDA) Operator

3.4.1 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

3.5 Visual Examination (VE) Operator

3.5.1 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

3.6 Sampling Operator

3.6.1 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

3.7 Vendor Project Manager (VPM)

3.7.1 Tracks the containers through the characterization process using site-specific tracking spreadsheet or equivalent.

3.8 Site Project Manager (SPM)

3.8.1 Tracks the containers through the characterization process using site-specific tracking spreadsheet or equivalent.

3.8.2 Updates and maintains new NCR information in the RH folder on the secure file transfer protocol (sftp) site (https://sftp.wipp.energy.gov) [if automated download is not functioning], as reviewed, placing or removing NCR holds on containers.

3.9 Facility Records Custodian

3.9.1 Receive, process, and transmit Attachment 1 and Attachment 2 in accordance with CCP-QP-008, *CCP Records Management*.

4.0 PROCEDURE

Container Manager

NOTE
Only perform steps 4.1 and 4.2 as applicable (i.e., NDA process).

4.1 Scale Calibration Check

4.1.1 On each day the scale is used, perform the following:

[A] **IF** the scale is an electronic scale,
THEN either verify the scale is turned ON, **OR** turn the power ON to the scale.

[B] Verify the following, **AND** record on Attachment 1:

- Scale ID #
- Scale Calibration Due Date

[C] Verify that the scale reads zero when NOT loaded.

[C.1] **IF** the scale DOES **NOT** read zero,
THEN ensure the scale is ON, **OR** zero the scale per manufacturer instruction.

[D] Perform a calibration check to verify the scale response is satisfactory as follows:

[D.1] Place a known Check Weight on the scale, AND verify the scale reads within the accuracy of the calibration (as listed on the calibration sticker or data sheet, as applicable).

[D.2] **IF** the scale calibration is satisfactory,
THEN record SAT on Attachment 1 in the Scale Cal Check column.

[D.3] **IF** the scale reads outside of the calibration range,
THEN SUSPEND WORK, record UNSAT on Attachment 1, in the Scale Cal Check column, **AND** notify the CCP VPM/Designee.

[D.4] Return the Check Weight to its storage location.

[E] Print name, sign, and date Attachment 1.

4.2 Container Weighing

4.2.1 Verify Container ID is on the AKTSS.

[A] **IF** the Container ID is NOT on the AKTSS,
THEN DO NOT accept the container, contact the VPM/Designee, **AND** return the container to the Host site.

4.2.2 Record the Container ID on Attachment 2.

4.2.3 Inspect each container for a completed radiological label/tag, **AND** ensure the completed radiological label/tag is legible and records a radiation dose.

[A] **IF** a radiological label/tag is NOT attached to the container,
THEN SUSPEND WORK on the container, **AND** perform the following:

[A.1] Notify the VPM/Designee

[A.2] Request a radiation survey be performed

[A.3] Verify that a new radiological label/tag is attached

4.2.4 Load the container onto to the scale, **AND** allow the scale reading to stabilize.

4.2.5 Record the Gross Container Weight (kilogram [kg]) on the Attachment 2.

4.2.6 Remove the container from the scale.

4.2.7 Repeat steps 4.2.1 through 4.2.6 as required for all additional containers.

4.2.8 Print name, sign, and date Attachment 2.

4.2.9 Forward Attachments 1 and 2 to the Facility Records Custodian.

Facility Records Custodian

4.2.10 Receive, process, and transmit Attachments 1 and 2 in accordance with CCP-QP-008.

4.3 NDE Process

NDE Operator

4.3.1 Verify that the containers delivered to the NDE process are on the AKTSS.

4.3.2 **IF** the containers are **NOT** the correct containers to be processed (i.e., **NOT** listed on the AKTSS),
THEN return the containers to the Host site in lieu of processing.

4.3.3 Perform NDE in accordance with approved procedure.

4.3.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

4.4 Dose Process

Dose Operator

4.4.1 Verify that the containers delivered to the process are on the AKTSS.

4.4.2 **IF** the containers are **NOT** the correct containers to be processed (i.e., **NOT** listed on the AKTSS),
THEN return the container to the Host site in lieu of processing.

4.4.3 Perform Dose acquisition in accordance with approved procedure.

4.4.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

4.5 NDA Process

NDA Operator

NOTE
Only performed when directed by an RH SPM.

4.5.1 Verify that the containers delivered to the NDA process are on the AKTSS.

4.5.2 **IF** the containers are **NOT** the correct containers to be processed (i.e., NOT listed on the AKTSS),
THEN return the containers to the Host site in lieu of processing.

4.5.3 Perform NDA in accordance with the approved procedure.

4.5.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

4.6 VE Operations

NOTE
For newly packaged waste, the containers will be added to the AKTSS after the appropriate AK Expert review is complete. Forward signed CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*, Attachment 1 to SPM with copy to the AK Expert for review and AK update.

VE Operator

4.6.1 Verify the containers identified for VE are on the AKTSS.

4.6.2 **IF** the containers are **NOT** the correct containers to be processed (i.e., **NOT** listed on the AKTSS),
THEN return the container to the Host site in lieu of processing.

4.6.3 Perform VE in accordance with approved procedure.

4.6.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

4.7 Sampling Operations

NOTE
Containers to be radiochemistry sampled may be presented in the original packaging configuration from the host site and would not appear on the AKTSS. The operator is to use the Sampling Analysis Plan to verify the container to be sampled.

Sampling Operator

4.7.1 Verify the containers identified for Sampling are on the AKTSS.

4.7.2 **IF** the containers are **NOT** the correct containers to be processed (i.e., **NOT** listed on the AKTSS),
THEN return the container to the Host site in lieu of processing.

4.7.3 Perform Sampling in accordance with approved procedure.

4.7.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the SPM/VPM.

4.8 Radiochemistry Analysis

SPM

4.8.1 Track the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) provided by the analytical laboratory.

4.9 Container Tracking

SPM/VPM

4.9.1 Track each container through the required processes.

4.10 Updating and Maintaining sftp Site

SPM

4.10.1 Update Excel spreadsheet with NCR information received, if applicable.

4.10.2 Click on the RH folder on the sftp site (https://sftp.wipp.energy.gov).

4.10.3 Open appropriate Excel spreadsheet and logon.

4.10.4 Copy the updated spreadsheet.

4.10.5 Verify NCR status of containers prior to container reconciliation/evaluation.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as Quality Assurance records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] Data Generation Level Container Management database
[B] Attachment 1 – Scale Calibration Check Information
[C] Attachment 2 – Standardized Container Management Report

Attachment 1 – Scale Calibration Check Information

Scale ID #	Scale Calibration Due Date	Scale Cal Check (SAT/UNSAT)

Comments:

Completed by: _____ _____ _____

Print Name Signature Date

Attachment 2 – Standardized Container Management Report

Container ID Number	Gross Container Weight (Record to 0.1 kg)

Comments:

Completed by: _____ _____ _____

Print Name Signature Date

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CCP-TP-530

Revision 11

CCP
RH TRU Waste Certification and WWIS/WDS Data Entry

EFFECTIVE DATE: 06/19/2013

Irene Joo

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	04/25/2006	Initial issue.
1	05/05/2006	Revised to address CBFO comments.
2	06/15/2006	Revised to address concerns raised during the Idaho National Laboratory (INL) Remote-Handled (RH) Audit A-06-21.
3	11/16/2006	Revised to implement the Waste Isolation Pilot Plant Hazardous Waste Facility Permit requirements resulting from the Section 311/Remote-Handled (RH) Permit Modification Request (PMR) and to remove Transportation Certification Official (TCO) activities.
4	04/20/2007	Revised to incorporate guidance for assignment of packaging material weight for RH canister assembly and to perform miscellaneous editing.
5	07/23/2007	Revised to include the CNS 10-160B information.
6	06/25/2008	Revised to include the process for submitting transportation data only for the Battelle Columbus Laboratory (BCL) waste at Savannah River Site (SRS) using the CNS 10-160B.
7	07/11/2008	Revised to address comments from the Remote-Handled (RH)-Oak Ridge National Laboratory (ORNL) Audit as well as remove any reference to the Characterization Data System (CDS) Waste Certification Official (WCO) Review Form.
8	09/09/2009	Revised to remove Section 4.4.24 in response to CAR-RHLANL-0001-09 as well as minor editorial changes.
9	12/11/2009	Revised to allow use of the Waste Data System (WDS) as well as include steps for canisters measuring <200 millirem (mRem) per Central Characterization Project (CCP)-Standing Order (SO)-042.
10	04/25/2011	Revised Table 1, Data Sources for the RH WDS Master Template, to include a new source for Gross Weight and a new field label and source for remote-handled (RH) nondestructive assay (NDA).
11	06/19/2013	Revised to implement new Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC) changes.

TABLE OF CONTENTS

1.0 PURPOSE 4
1.1 Scope 4

2.0 REQUIREMENTS 5
2.1 References 5
2.2 Training Requirements 6
2.3 Equipment List 6
2.4 Software 6
2.5 Precautions and Limitations 6
2.6 Prerequisite Actions 6
2.7 Definitions 6

3.0 RESPONSIBILITIES 7
3.1 Site Project Manager (SPM) or Designee 7
3.2 Quality Assurance (QA) 7
3.3 Waste Certification Official (WCO) or Designee 7
3.4 Acceptable Knowledge (AK) Expert 8
3.5 Waste Certification Assistant (WCA) 8
3.6 CCP Records Custodian 9

4.0 PROCEDURE 10
4.1 Obtaining and Changing Access to the WWIS/WDS 10
4.2 Submitting the WSPF Number to the DA 10
4.3 Entering and Verifying Characterization Data Using the RH WDS Master Template 11
4.4 Waste Certification (By Container of Waste) 16
4.5 Waste Certification WWIS/WDS Submittal 19
4.6 Container Selection and certification for RH TRU 72-B waste canister using the WWIS/WDS. 22

5.0 RECORDS 24

LIST OF TABLES

Table 1. Data Sources for the RH WDS Master Template 13

LIST OF ATTACHMENTS

Attachment 1 – Entering of Content Codes into WWIS/WDS 25

1.0 PURPOSE

The purpose of this procedure is to describe the steps the Central Characterization Program (CCP) uses for certifying remote-handled (RH) transuranic (TRU) waste for disposal at the Waste Isolation Pilot Plant (WIPP). This procedure also describes the process for entering data into the WIPP Waste Information System (WWIS)/ Waste Data System (WDS) and reporting data on containers and payload assemblies in the RH TRU 72-B and the 10-160B transportation casks that are intended for disposal at the WIPP.

In addition, this procedure may be used to enter data into the WWIS/WDS for site-to-site waste shipments using the RH TRU 72-B and/or the 10-160B transportation casks. Site-to-site waste shipments are defined as shipments with destinations to sites other than the WIPP for storage, characterization, or treatment and are distinct from site-to-WIPP waste shipments for disposal.

1.1 Scope

This procedure defines the parameters necessary for certification of RH TRU waste for disposal at the WIPP. This procedure includes the records that are generated to document that the CCP Waste Certification Official (WCO) has performed the necessary verifications and has certified the waste for disposal.

This procedure also describes how to obtain access and enter data into the WWIS/WDS for containers to be certified.

This procedure also describes the steps for entering data into the WWIS/WDS for site-to-site waste shipments.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-QP-022, *CCP Software Quality Assurance Plan*

Referenced Documents

- DOE/WIPP-09-3427, *Waste Data System User's Manual*
- DOE/WIPP 90-045, *RH-TRU Waste Content Codes* (*RH-TRUCON*)
- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC)
- CCP-QP-002, *CCP Training and Qualification Plan*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*
- CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data*
- CCP-TP-500, *CCP Remote-Handled Waste Visual Examination*
- CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*
- Safety Analysis Report for Model 10-160B Type B Radwaste Shipping Cask, Appendix 4.10.2.1, *Compliance Methodology for TRU Waste from Battelle Columbus Laboratories.* Duratek, Inc.

2.2 Training Requirements

2.2.1 Personnel who use this procedure to certify waste will be trained and qualified to the requirements for the WCO in accordance with CCP-QP-002, *CCP Training and Qualification Plan*.

2.2.2 Personnel who use this procedure to enter data will be trained and qualified to the requirements for the Waste Certification Assistant (WCA) in accordance with CCP-QP-002.

2.2.3 Personnel who use this procedure to enter data into the WWIS/WDS will refer to DOE/WIPP-09-3427, *Waste Data System User's Manual*.

2.3 Equipment List

2.3.1 None.

2.4 Software

NOTE
An "*" is a wild card used to indicate the version number included in a software name.

2.4.1 RH WDS Master Template*.xls

2.4.2 concat_WDS_files.bat

2.4.3 clean_container_files.bat

2.5 Precautions and Limitations

2.5.1 None.

2.6 Prerequisite Actions

2.6.1 None.

2.7 Definitions

2.7.1 None.

NOTE

The Data Administrator (DA) in this document refers to the WWIS/WDS Data Administrator.

3.0 RESPONSIBILITIES

3.1 Site Project Manager (SPM) or Designee

3.1.1 Confirms that personnel performing this procedure are trained and qualified in accordance with applicable requirements in CCP-QP-002.

3.1.2 Prepares a list of candidate containers for certification and transportation, as applicable, and submits to the WCO and WCA.

3.1.3 Provides the DA with a list of Waste Stream Profile Form (WSPF) Numbers.

3.1.4 Submits the WSPF to the DA for review and approval in accordance with CCP-TP-002, *CCP Reconciliation of DQOs and Reporting Characterization Data,* and CCP-TP-506, *CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report*.

3.1.5 Notifies the WCO and/or WCA of approved WSPF.

3.1.6 Notifies the WCO and/or WCA of completed Characterization Information Summary (CIS).

3.1.7 Serves as focal point for resolution of data issues.

3.2 Quality Assurance (QA)

3.2.1 Provides assistance in verifying data, completing documentation, and reviewing requirements and provides status of applicable Nonconformance Reports (NCRs) and Corrective Action Requests (CARs).

3.2.2 Confirms that there are no unresolved NCRs or CARs for containers to be certified when requested by the WCA or WCO.

3.3 Waste Certification Official (WCO) or Designee

3.3.1 Confirms that the WCOs and WCAs are granted access to the WWIS/WDS.

3.3.2 Obtains a copy of the approved WSPF for applicable containers to be certified.

3.3.3 Certifies the data for the container to be certified as identified on the CCP RH WDS Master Template.

3.3.4 Reviews the data for the container as identified on the RH WDS Master Template to be submitted for transportation purposes only.

3.3.5 Notifies Transportation Certification Official (TCO) of the WWIS/WDS Certification Module approval, if necessary.

3.3.6 Notifies the TCO of containers that are approved for Controlled Shipment, if necessary.

3.4 Acceptable Knowledge (AK) Expert

3.4.1 Extracts the necessary information for site-to-site waste shipments.

3.4.2 Works with the WCA, WCO, and DA for WWIS/WDS data input for site-to-site waste shipments.

3.5 Waste Certification Assistant (WCA)

3.5.1 Works with the WCO to obtain access to the WWIS/WDS.

3.5.2 Obtains copies of data for the RH WDS Master Template for each container from CCP Records or the Site Project Manager (SPM).

3.5.3 Generates the RH WDS Master Template and has a second WCA confirm the data is transferred correctly to the RH WDS Master Template. The second data entry person verifies the information prior to certification by the WCO.

3.5.4 Forwards the RH WDS Master Template to the WCO for certification.

3.5.5 Requests that quality assurance (QA) confirm that NCRs and CARs associated with containers to be certified have been resolved as appropriate, via electronic mail (e-mail).

3.5.6 Submits the container data from the RH WDS Master Template to the WWIS/WDS Characterization and/or Certification Modules, as applicable.

3.5.7 Submits data package to CCP Records Custodian in accordance with CCP-QP-008, *CCP Records Management*.

3.6 CCP Records Custodian

3.6.1 When applicable, receives and processes all records generated by this procedure in accordance with CCP-QP-008.

4.0 PROCEDURE

4.1 Obtaining and Changing Access to the WWIS/WDS

WCO

4.1.1 Determine which personnel need access to the WWIS/WDS (see Section 4.0 of DOE/WIPP-09-3427).

4.1.2 Request WWIS/WDS access for each person by requesting the WDS access form from the Data Administrator with a copy provided to the SPM.

4.1.3 Notify the DA when personnel who have received WWIS/WDS access:

[A] Leave the project;

[B] No longer need WWIS/WDS access; **OR**

[C] Need to change the type of WWIS/WDS access.

CCP Personnel

4.1.4 Once the DA has been notified by the WCO that personnel are to be granted access, those personnel will contact the DA to receive WWIS/WDS training and a WWIS/WDS username in accordance with the DOE/WIPP-09-3427.

NOTE
Section 4.2 is **NOT** required for site-to-site waste shipments.

4.2 Submitting the WSPF Number to the DA

SPM

4.2.1 Obtain the WSPF Number in accordance with CCP-TP-002.

4.2.2 Request the DA to establish the WSPF Number in the WWIS/WDS.

4.2.3 Confirm that the WSPF Number is correct in the WWIS/WDS Reference Table upon notification that the DA has added the WSPF Number to the WWIS/WDS.

4.2.4 Notify the WCO and WCA of the WSPF.

4.2.5 Develop a list of containers for Characterization, **AND** submit the list to the WCO and WCA for WSPF approval.

4.2.6 Develop a list of containers from an approved WSPF for certification, **AND** submit the list to the WCO and WCA when the CIS is complete.

NOTE

For site-to-site waste shipments, the required information may be obtained from the acceptable knowledge (AK) Expert. This Data will come from the process knowledge documentation. For site-to-site shipments not qualified under CCP-PO-505, *CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control* (CCP RH-TRAMPAC), the data will be recorded from the approved shipping plan. The source data column in Table 1, Data Sources for the RH WDS Master Template, DOES **NOT** apply to site-to-site waste shipments. CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*, and CCP-PO-002, *CCP Transuranic Waste Certification Plan*, information is **NOT** required to be entered.

4.3 Entering and Verifying Characterization Data Using the RH WDS Master Template

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NOTE

For site-to-site waste shipments, verification may be from data received from the AK Expert.

WCA

4.3.1 Obtain from CCP Records or the SPM, a copy of the appropriate WSPF, Batch Data Reports (BDRs), Packaging Records, AK Summary Report, AK Tracking Spreadsheet, and radiological survey data for the list of candidate containers for certification, as applicable.

4.3.2 Request via email that QA confirm that each container being certified and entered into the RH WDS Master Template has NO unresolved NCRs and CARs.

4.3.3 Use the copies of the appropriate BDR or other data source, from CCP Records or the SPM, as listed in Table 1, to enter characterization data into the appropriate site-specific RH WDS Master Template, for each container record used to support the WSPF.

NOTE

The designator "H" must be added to the end of the Container Identification (ID) Number for all waste containers overpacked into a 55-gallon drum as identified on the applicable AK Tracking Spread Sheet if applicable. This will be the new Container ID Number.

4.3.4 Enter RH TRU Waste Content Codes (Content Codes) as described in Attachment 1, Entering of Content Codes into WWIS/WDS, as required.

4.3.5 **IF** a 30-gallon container is packaged into a 55-gallon container, **AND** the Dose-to-Curie (DTC) was performed on the 30-gallon container,
THEN add the tare weight of the 55-gallon container to the gross weight of the 30-gallon container to obtain the new gross weight.

4.3.6 Forward the completed RH WDS Master Template to a second WCA for verification.

WCA (Verifier)

NOTE

Step 4.3.7 is for a direct load canister only when a rollup of the DTC is required.

4.3.7 **IF** rollup of DTC data is required,
THEN the weight of the plastic will be the total of the gross weights of the inner containers.

4.3.8 Confirm the data entered into the RH WDS Master Template for each container record by checking the data to confirm the accuracy and completeness of the data.

4.3.9 **IF** data is accurate **AND** complete,
THEN enter initials and the date verified on the RH WDS Master Template.

4.3.10 **IF** there are any discrepancies,
THEN resolve the discrepancies with original WCA, if applicable,
AND return to step 4.3.9.

NOTE
For site-to-site shipments, contact the WCO/AK Expert if discrepancies CAN **NOT** be resolved.

4.3.11 **IF** the discrepancies CAN **NOT** be resolved,
THEN provide the RH WDS Master Template to the WCO or SPM for resolution.

NOTE
For site-to-site waste shipments, the WCO or the AK Expert will review the data prior to submittal to the WWIS/WDS.

.

4.3.12 **WHEN** the RH WDS Master Template is complete **AND** verified,
THEN forward to the WCO.

Table 1. Data Sources for the RH WDS Master Template

Field Label	Source
Characterization, Certification and Shipping Data	
Shipper Site ID or Site ID	AK Summary Report
Location ID Destination Program ID Shipping Purpose	AK Summary Report
Waste Stream Profile	AK Summary Report; WSPF
Container ID Number or Container Number	Completed CIS (Ensure payload container has a unique site-identifier prefix). For all waste containers overpacked into a 55-gallon drum as identified on the applicable AK Tracking Spread Sheet, include an "H" at the end of the drum number.
Container Type	Packaging records; visual inspection; AK Summary Report; Associated BDRs
WAC Rev #	DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
WAC Ex #	Executive Order Letter from the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) in CCP Records
Cert Site or Certified Site	WSPF or AK Summary Report
Cert Date or Certification Date	Date WCO certifies payload container
Waste Handling Code or Handling Code	RH from Dose to Curie BDR; Radiological Characterization Report; WSPF; AK Summary Report
Waste Type Number or Waste Type	WSPF or AK Summary Report (If no hazardous waste numbers, enter TRU) If hazardous number(s) apply, enter "MTRU."
Waste Stream Baseline Inventory Report (BIR) ID Waste Stream Mixed Waste Inventory Report (MWIR) ID	WSPF or AK Summary Report (If not applicable, enter NONE)
Generator Site ID or Generator Site Item Description Code (IDC) Code or IDC Waste Matrix (parameter) Code or Matrix Code	WSPF or AK Summary Report (NONE if no IDC available)

Table 1. Data Sources for the RH WDS Master Template (Continued)

Field Label	Source
Content Code or TRUCON Code	Remote-Handled Transuranic Content Codes, AK Summary Report, WSPF, Characterization Info. Summary. See Attachment 1.
TRU Alpha Act TRU Alpha Act Uncertainty TRU Alpha Act Concentration (conc.) TRU Alpha Act Conc. Uncertainty Pu239 fissile Gram Equivalent Pu-239 Fissile Gram Equivalent Uncertainty Pu-239 eq. act. Decay Heat Decay Heat Uncertainty	Waste Container Dose-to-Curie Conversion Record (DTC BDR), Radiological Characterization Report, Waste Container Radiological Characterization Record AK record for BCL waste
Layers of Packaging	Visual Examination (VE) BDR; Radiography BDR; AK Summary Report; WSPF
Fill Factor	Dose-to-Curie BDR, Radiological Characterization Report, VE BDR
Liner Type or Liner Exists	VE BDR. Radiography BDR; AK Summary Report; RH Content Code Document
Field Label	Source
Liner Punctured or Liner Hole Size Liner Lid Present	VE BDR. Radiography BDR or AK Summary Report. No liner lid indicates liner is vented with default hole size of 457.2 mm for 30-gallon drum and 478 mm for 55-gallon drum.
Polychlorinated Biphenyl (PCB) Waste, PCB Concentration, PCB Mass PCB Out-Of-Service Date	WSPF or AK Summary Report. If yes, then PCB mass = net weight and PCB out-of-service = Closure date unless otherwise stated in other documentation.
Aqueous Material Beryllium Present Beryllium less than or equal to 100 kg Beryllium less than or equal to 1% Machine Compacted Beryllium chemically/mechanically bound	AK Tracking Spreadsheet or AK Summary Report
Closure Date	AK Tracking Spreadsheet, Remediated Drum Spreadsheet, or AK Summary Report, Canister Loading Data Sheet
Vent Date	AK Tracking Spreadsheet, Remediated Drum Spreadsheet, or AK Summary Report, Canister Loading Data Sheet
Filter Install Date Filter Model Number of filters installed	Flammable Gas Analysis BDR, VE BDR, RTR BDR, AK Tracking Spreadsheet or Remediated Drum Sheet, Canister Loading Data Sheet, AK Summary Report
Aspiration Method ID	AK Tracking Spreadsheet, Remediated Drum Spreadsheet, AK Summary Report, Flammable Gas Analysis BDR, Project AK Summary Report
Gross Weight	Waste Container Dose-to-Curie Conversion Record (DTC BDR) or Scale Certification Data, Canister Loading Data Sheet, Radiological Characterization Report, Waste Container Radiological Characterization Record
Gross Weight Uncertainty	VE BDR, Radiography BDR, or Scale Certification Data, Canister Loading Data Sheet, Bounding Case for drums loaded in canisters (2.3 kg)
Alpha Surf Cont Beta/Gamma Surf Cont Neutron Dose Rate Beta/Gamma Dose Rate	RCT Report RCT Report RCT Report RCT Report

Table 1. Data Sources for the RH WDS Master Template (Continued)

Field Label	Source
Radionuclide Data	
Radionuclide Activity (Ci) Activity Uncertainty (Ci)	Waste Container Dose-to-Curie Conversion Record(DTC BDR), Canister loading data sheet, Radioassay BDR, Radiological Characterization BDR/Radiological Characterization Report, Waste Container Radiological Characterization Record
Assay Method Data	
Radioassay Method	WWIS/WDS Reference Tables/Library; Certification Letters
Data Package Number	Dose-to-Curie BDR, Radiological Characterization Report, Waste Container Radiological Characterization Record, Radioassay BDR
Assay Date (actual assay date)	Dose-to-Curie BDR, Radiological Characterization Report, Waste Container Radiological Characterization Record, Radioassay BDR
Material Parameter Data	
Waste Material Parameter	VE BDR or Real-Time Radiography (RTR) BDR
Waste Weight	Waste Container Dose-to-Curie Conversion Record (DTC BDR), Radiological Characterization Report, Waste Container Radiological Characterization Record
Characterization Method Data	
Charz Method ID	WWIS/WDS Reference Table/Library; Certification Letters
Data Package Number	VE or RTR BDR
Charz Method Date	VE or RTR BDR
Hazardous Waste Numbers Data	
Hazardous Waste Numbers	WSPF or AK Summary Report
Date Sampled	Flammable Gas Analysis BDR, N/A for canister, AK Sufficiency
Method ID Data Package # Analyte Sample ID Sample Type Layer Sampled	WWIS/WDS Reference Table/Library; Certification Letters Flammable Gas Analysis BDR, AK Sufficiency
Units (% vol., mg/kg, ppm) Concentration Date Analyzed	Flammable Gas Analysis BDR, AK Sufficiency
Cas # Reporting Flag D Reporting Flag U Reporting Flag N/A	Flammable Gas Analysis BDR
Flammable VOCs < 500 ppm	AK Summary Report, Content Code, Process Knowledge Summary Report

NOTE

Section 4.4 is **NOT** required for site-to-site waste shipments.

4.4 Waste Certification (By Container of Waste)

WCO

4.4.1 Verify the appropriate WWIS/WDS Data Entry RH WDS Master Template is being used.

4.4.2 Confirm that the TRU alpha activity concentration is greater than 100 nanocuries per gram (nCi/g) for each container.

4.4.3 Confirm that the RH WDS Master Template contains accurate, and complete information for the container by checking that the WCA has completed their input and review.

4.4.4 **IF** there are any open NCRs/CARs,
THEN confirm that, for the container you are certifying, all issues associated with the open NCRs/CARs have been resolved.

4.4.5 Review the waste stream information against the applicable Content Code and data sources to confirm the waste is **NOT** an incompatible waste.

4.4.6 Verify that the RH WDS Master Template contains the correct WSPF Number for that container as listed in the AK Tracking Spreadsheet.

4.4.7 Verify at least one TRU isotope is greater than lower limit of detection (LLD).

4.4.8 Ensure that each payload container has a site-specific identifier as a prefix to the Container ID Number.

NOTE

For debris waste (S5000), the WCO will assess the data for the container to assign the material parameter weights. In steps 4.4.9 and 4.4.10, the WCO will compare the material parameter data (waste weights in kg) to the number obtained by multiplying the volume of the waste container by the maximum loading density of plastic (620 kg/m^3).

4.4.9 **IF** the calculated weight of the plastic is greater than or equal to the waste weight (kg) of the container,
THEN enter the waste weight of the container as “Plastic” in the RH WDS Master Template.

4.4.10 **IF** the calculated weight of the plastic is less than the waste weight (kg) of the container,
THEN enter the calculated weight as "Plastic" in the RH WDS Master Template, **AND** assign in the RH WDS Master Template the remaining waste weight to the waste material per the percentages as identified in the applicable waste stream AK Summary Report.

NOTE

For soil/gravel waste (S4000), the WCO will assess the data for the container to determine the estimated weight of cellulose, plastics, and rubber (CPR) for any reported debris material. In steps 4.4.11 and 4.4.12, the WCO will review the data and confirm that the derived weight entered into RH WDS Master Template for any debris material reported will have a waste material parameter type of "Plastic."

4.4.11 **IF** the container (S4000) DOES **NOT** contain any debris material,
THEN assign the net weight of the container as waste material parameters of "Soil" in the RH WDS Master Template.

4.4.12 **IF** the container (S4000) does contain any debris material,
THEN enter the estimated weight of the debris as "Plastic" and the remaining net weight of the container as "Soil" in the RH WDS Master Template.

NOTE

For homogeneous solid waste (S3000), the WCO will assess the data for the container to determine the estimated weight of CPR for any reported debris material. In steps 4.4.13 and 4.4.14, the WCO will review the data and confirm that the derived weight entered into RH WDS Master Template for any debris material reported will have a waste material parameter type of "Plastic."

4.4.13 **IF** the container (S3000) DOES **NOT** contain any debris material,
THEN assign the net weight of the container as waste material parameter type appropriate to the waste (e.g., solidified inorganic material, solidified organic material, cement) in the RH WDS Master Template.

4.4.14 **IF** the container (S3000) does contain debris material,
THEN enter the estimated weight of the debris as "Plastic" and the remaining net weight of the container as the waste material parameter type appropriate to the waste (e.g., solidified inorganic material, solidified organic material, and cement) in the RH WDS Master Template.

4.4.15 **IF** the container is certifiable,
THEN sign and date the RH WDS Master Template **AND** forward to WCA for submittal to WWIS/WDS.

4.4.16 **IF** container is **NOT** certifiable,
THEN proceed to step 4.4.20.

WCA

4.4.17 Request, via e-mail, that QA confirm that each container being certified and entered into the WWIS/WDS has NO unresolved NCRs and CARs, if applicable.

QA

4.4.18 Prepare report verifying that each container being certified has NO unresolved NCRs and CARs.

4.4.19 Forward report to WCA.

WCO

NOTE
To remove the HOLD on a Container Data Folder, a WCO must confirm deficiencies NO longer exist.

NOTE
Prior to submittal to the WWIS/WDS, WCO/WCA and QA must perform step 4.4.17 through 4.4.19, as applicable.

4.4.20 **IF** there is an issue with data,
THEN attempt to resolve issue with SPM.

[A] **IF** resolved,
THEN proceed to Step 4.5.

4.4.21 **IF** a deficiency in data is identified after a Container Data Folder is created and before submittal to the WWIS/WDS and CAN **NOT** be resolved with SPM,
THEN perform the following:

[A] Initiate an NCR in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*, as directed by the SPM.

[B] Place the Container Data Folder in the WCO Hold Drawer until disposition is met.

NOTE

Data entry for site-to-site waste shipments shall be submitted into the Intersite Shipping Module within the WWIS/WDS.

NOTE

The WCO or WCA uses a macro (CreateTmpTables) and ancillary worksheets that are part of the RH WDS Master Template.

NOTE

If required, for filtered waste containers or containers requiring inner can data, the data required by WWIS/WDS for the inner cans will be entered as applicable based on an individual container basis (inner can ID, decay heat, decay heat uncertainty, closure date, vent date, filter diffusivity, flammable gas generation rate or hydrogen concentration, and sample date) after the waste containers are entered into the WWIS/WDS.

4.5 Waste Certification WWIS/WDS Submittal

WCO or WCA

4.5.1 Generate tab-delimited files from the electronic WWIS/WDS DATA RH WDS Master Template corresponding to the WWIS/WDS Temporary Database Tables by selecting the CREATE TMP TABLES.

4.5.2 OPEN TempTables Folder to run batch programs, **AND** OPEN concat_WDS_files.bat to copy all containers into upload files readable by WWIS/WDS.

4.5.3 Log on to WWIS/WDS.

[A] Select DATA UPLOAD FUNCTION.

[B] Select BROWSE to open the Temptables folder.

[C] Select the text file to be uploaded.

[D] Select CERTIFICATION or CHARACTERIZATION based on whether or not the waste stream is approved.

[E] Select PERFORM EVALUATIONS if applicable.

[F] Select UPLOAD CONTAINERS.

[G] **IF** container upload is successful,
THEN GO TO step 4.5.4 if inner can data is required or GO TO step 4.5.5 if complete.

[H] **IF** container upload fails,
THEN select VIEW EXIT CODES **OR** print error messages on screen as applicable.

[I] **IF** container upload error(s) can be fixed,
THEN fix errors, **AND** repeat steps 4.5.1 through 4.5.3[H] until successful **OR** container CAN **NOT** be fixed.

[J] **IF** container transfer CAN **NOT** be fixed,
RETURN Container Data Folder to WCO.

NOTE

For containers with inner can data and/or data for a 30-gallon container overpacked into a 55-gallon container, follow steps 4.5.4 through 4.5.5. Once complete proceed to step 4.5.7.

NOTE

A unique Inner Container ID must be entered using the 55-gallon number with an H suffix when a 30-gallon container is overpacked into a 55-gallon container in the Inner Can Data in WWIS/WDS.

4.5.4 Select CONTAINER CERTIFICATION DATA SUBMITTAL/CONTAINER CHARACTERIZATION DATA SUBMITTAL based on whether or not the waste stream is approved.

[A] Select SEARCH and enter the container number and select SEARCH.

[B] Select applicable container.

[C] Select INNER LAYER and enter the applicable data.

[D] Select SUBMIT for approval.

4.5.5 **WHEN** complete,
THEN exit the system AND open the temptables folder and RUN clean_container_files.bat to clear the temptables folder of all upload file data.

4.5.6 **IF** a deficiency is identified after the container data is submitted to the WWIS/WDS,
THEN:

[A] Request in writing (e.g., e-mail), with CCP Management approval, that the Data Administrator reject the container from the WWIS/WDS, if applicable, **AND**

[B] Obtain confirmation (e.g., email) from the Data Administrator that the container is rejected, if applicable.

[C] Initiate an NCR in accordance with CCP-QP-005, as necessary.

4.5.7 Compile the following items used in the submission of data to the WWIS/WDS, **AND** submit to the CCP Records Custodian:

[A] The completed RH WDS Master Template for each container submitted to and approved by the WWIS/WDS

[B] The completed WWIS/WDS Transportation Only RH WDS Master Template for each Packaging Container submitted to and approved by the WWIS/WDS

[C] NCR/CAR check from QA e-mail (not applicable for BCL transportation data)

[D] Any correspondence (e.g., memorandum/e-mail notifications) associated.

CCP Records Custodian

4.5.8 When applicable, receives and processes all records generated by this procedure in accordance with CCP-QP-008.

NOTE

The WWIS/WDS Canister Planning and Completion Module utilizes edit and limit checks when data is entered and selected. The WWIS/WDS steps in the following section may be repeated until overpack compliance is satisfied. Default data may be used to generate the build list for the TCOs.

NOTE

The recommended container selection for the canister can either be provided by the Host site, based on As Low As Reasonably Achievable (ALARA) needs for movement of the drums and container retrievability, or determined by the WCO.

WCO

4.6 Container Selection and certification for RH TRU 72-B waste canister using the WWIS/WDS.

4.6.1 LOGON to the WWIS/WDS.

4.6.2 Select CANISTER PLANNING and COMPLETION.

4.6.3 Select NEW.

4.6.4 Enter applicable data in the Canister Information Section as follows, then select SEARCH.

[A] Canister Configuration Type
[B] Certification Program ID
[C] Current Location
[D] Destination Site ID
[E] Shipping Program ID
[F] Waste Stream Profile Code

4.6.5 Select the appropriate containers from the Candidate Containers Section.

4.6.6 Select ACCEPT.

4.6.7 Enter the Canister number in the Enter Container Number field and select ACCEPT.

4.6.8 **ONCE** the Canister Plan is accepted,
THEN enter the remaining applicable canister information for Certification.

4.6.9 Generate the Build List and provide to TCO as applicable.

4.6.10 **IF** the canister requires a controlled shipping period,
THEN the WCO will indicate on the Build List.

NOTE

Some 55-gallon containers loaded into the Removable Lid Canister use an RH TRU Drum Handling Bag (lift bag). The lift bag weighs 1.42 kg and is made of polyester fabric. The lift bag can not be retrieved from the canister after loading.

4.6.11 Receive the Loading Form from the TCO and enter the required certification data including the lift bag data if applicable.

4.6.12 **IF** the canister dose rate from the TCOs is < 200 mRem **AND** all inner containers are > 200 mRem,
THEN use the highest dose rate from the inner containers.

4.6.13 SUBMIT the canister for approval.

4.6.14 After successful submittal for approval, print the Canister Data Report, date and sign with title.

4.6.15 Compile the following items used in the submission of data to the WWIS/WDS, **AND** submit to the CCP Records Custodian:

[A] Copies of the data containing the RH TRU waste canister, radiological survey, and filter information used to enter data above

[B] The completed Canister Data Report for the data submitted

[C] Correspondence (e.g., memorandum/e-mail notifications).

CCP Records Custodian

4.6.16 When applicable, receives and processes all records generated by this procedure in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as QA records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Lifetime Records

[A] Container Certification:

[A.1] RH WDS Master Template

[A.2] Correspondence (memorandum/e-mail notifications)

[A.3] Radiological Survey Information, if applicable

[B] Canister Certification:

[B.1] RH WDS Master Template

[B.2] Waste Canister Data Report

[B.3] Waste Canister Loading Sheet, if applicable

[B.4] Radiological Survey Information, if applicable

Attachment 1 – Entering of Content Codes into WWIS/WDS

NOTE
The Content Code may be assigned by the WWIS/WDS based on the information submitted on the RH WDS Master Template.

1. INTRODUCTION

This appendix describes the steps used to enter assigned RH Content Codes into the RH WDS Master Template using various sources of characterization data. Entering the Content Code is performed by the waste certification staff based on the waste material contents and the layers of packaging used for each container. Content Code assignment is reviewed and approved by the WCO during container certification unless the Content Code is assigned by the WWIS/WDS.

2. ASSIGNING THE NUMERIC VALUE

Assign the Content Code based on the container waste stream assignment. The Content Code identified in AK may be confirmed by RTR or VE. Enter the Content Code in RH WDS Master Template.

3. ASSIGNING A LETTER DESIGNATOR

The letter designator of the Content Code is assigned using packaging information from the following sources, which are listed in order of priority of usage:

- VE BDRs, if available
- If RTR information is undetermined, use the default assignment given in (or determined from) the AK Summary Report for the applicable waste stream.

4. OTHER

For waste packaged under a U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) audited and approved certification program (newly generated waste exempted from RTR), use the Content Code assigned in the packaging documents.

Effective Date: 05/22/13

WP 13-QA.03
Revision 22

Quality Assurance Independent Assessment Program

Cognizant Department: Quality Assurance

Approved by: Val Cannon

Nuclear Waste Partnership LLC

A URS-led partnership with B&W and AREVA

TABLE OF CONTENTS

CHANGE HISTORY SUMMARY 3

ABBREVIATIONS and ACRONYMS 5

1.0 INTRODUCTION[1] 6

2.0 RESPONSIBILITIES 7

3.0 DEFINITIONS 8

4.0 PREPARATION FOR ASSESSMENTS 8
- 4.1 QA Independent Assessment Identification 8
- 4.2 QA Independent Assessment Scheduling 11
- 4.3 QA Independent Assessment Planning 11

5.0 ASSESSMENT PERFORMANCE 16

6.0 ASSESSMENT REPORTING 18

7.0 ASSESSMENT RESPONSE 21

8.0 ASSESSMENT FOLLOW-UP 21

9.0 ASSESSMENT CLOSURE AND FILING 21

REFERENCES 23

Attachment 1 – NWP QA Internal Assessment Priority Determination Tables 24

Attachment 2 – Example of NWP QA Internal Assessment Subject Master Table 26

Attachment 3 – Example of QA Fiscal Year External and Internal Audit Schedules 27

Attachment 4 – Audit Plan Guidance 28

Attachment 5 – Example of NWP Quality Assurance Assessment Checklist 29

Attachment 6 – Audit Report Guidance 30

Attachment 7 – Example of Independent Assessment Record File Completion Checklist 33

Attachment 8 – Example of Surveillance Report 34

Attachment 9 – Example of NWP QA Independent Assessment Log 35

Attachment 10 – Technical Specialist/Auditor Participation Indoctrination for Quality Assurance Audits Example 36

CHANGE HISTORY SUMMARY

REVISION NUMBER	DATE ISSUED	DESCRIPTION OF CHANGES
18	06/20/11	Added allowance for the Assurance Programs manager to extend the time limit for issuance of an audit report. (6.0)
19	02/28/12	Added discussion of effectiveness reviews (Introduction). Added clarification for developing criteria for (4.3) and performing (5.0) effectiveness reviews. Deleted reference to EFCOG Contractor Guide For Performance of Effectiveness Reviews (4.3, 5.0).
20	01/25/13	• Deleted requirements to enter external assessment findings in CTS throughout the document. • Updated organization names in accordance with MD 1.1.
21	03/04/13	• Removed from section 2.0 last bullet of lead assessor responsibilities and last bullet of surveillor responsibilities. • Added to sections 5.0 and 6.0 provisions to document findings corrected during assessment on the WIPP Form in accordance with WP 04-IM1000 (Corrective action for CBFO CAR 12-020). • Deleted attachment 9, and added reference to WP 09-CN3025 in section 4.3. • Deleted Attachment 10, Concerns Form and its mention from section 5.0.

22	05/22/13	• Added statement to Introduction that commercial grade surveys are performed in accordance with this procedure and WP 09-CN3040, *Commercial Grade Item Dedication*. • Added bullets in section 2.0 to delegate the responsibility for identifying the need for technical assistance when performing assessments to the lead assessor and surveillor. • Reworded lead auditor/surveillor actions to be consistent with QAPD language in section 4.3. • Added additional methods for performing effectiveness reviews in section 5.0. • Deleted requirement in section 5.0 to notify CBFO of deficiencies in DOE requirements (Original requirement was deleted in DOE O 226.1B). • Deleted note in section 6.0 about issuing WIPP Forms for assessment findings (this information is discussed elsewhere). • Changed P-A Coordinator to Compliance Coordinator throughout. • Added discussion item “Potential hazards” to attachment 10.

ABBREVIATIONS and ACRONYMS

ALARA	as low as reasonably achievable
CAM	continuous air monitor
CAQ	condition adverse to quality
CBFO	Carlsbad Field Office
CDA	corrected during assessment
CFR	Code of Federal Regulations
CH	contact-handled
CMS	Central Monitoring System
CTS	commitment tracking system
DNFSB	Defense Nuclear Facilities Safety Board
DOE	U.S. Department of Energy
HEPA	high-efficiency particulate air (filter)
HVAC	Heating, Ventilation, and Air Conditioning
ISM	Integrated Safety Management
NRC	U.S. Nuclear Regulatory Commission
NWP	Nuclear Waste Partnership LLC
P-A	Price-Anderson
PPE	personal protective equipment
QA	Quality Assurance
QAPD	Quality Assurance Program Description
QSL	Qualified Suppliers List
RH	remote-handled
SDD	System Design Description
VSS	Vital Safety System
WHB	Waste Handling Building
WIPP	Waste Isolation Pilot Plant

1.0 INTRODUCTION[1]

The purpose of this document is to define and prescribe quality assurance (QA) methods and techniques used to identify, schedule, plan, perform, report, and close independent assessments, and to identify the resulting records.

This document applies to Nuclear Waste Partnership LLC (NWP) QA personnel qualified to lead and/or perform independent assessments. It also applies to cognizant managers of organizations being assessed.

Independent assessments may be performed as audits or surveillances. Audits are generally larger, more formal assessments of quality program elements or supplier programs. Surveillances are generally smaller assessments of specific activities, but may also be expanded and performed on quality program elements. Where the term "assessment" is used in this document, it applies to both audits and surveillances. Where actions apply only to an audit or surveillance, it will be so stated.

Commercial grade surveys are performed in accordance with this procedure and WP 09-CN3040, *Commercial Grade Item Dedication*.

Effectiveness reviews are conducted as surveillances to verify the effectiveness of corrective actions implemented to prevent the recurrence of significant issues, problems, or events.

Assessments may contain elements of inspections, testing, monitoring work in progress, and checking to support the reviews that comprise assessment activities.

Assessments evaluate the adequacy of program documents and implementation, including effectiveness of established programs, and processes for compliance with WP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description* (NWP QAPD), other QA program documents, and purchase order requirements, as applicable. Assessments focus on improving items, services, and processes by emphasizing the achievement of quality by line organizations. Regularly scheduled program assessments may be supplemented by or integrated with additional technical assessments (e.g., surveillances and limited scope audits).

Assessments are performed using reviews, interviews, observation and monitoring, and checks. Actual and/or potential deficiencies are noted. Timeliness of corrective actions is evaluated. Supplier assessments verify conformance to applicable purchase orders and the QA requirements imposed by contract, or evaluate potential for providing products or services in compliance with NWP QA requirements. Scheduling is based on frequency required by regulation, ongoing project activities (e.g., previous audit results, adverse trends, or requests from other line organizations), and capabilities. Internal assessment findings and associated corrective actions are entered and tracked in the Issues Management (WIPP Form) System in accordance with WP 04-IM1000, *Issues Management Processing of WIPP Forms*.

Implementation of the program generates the following record(s), as applicable. Any records generated are handled in accordance with departmental Records Inventory and Disposition Schedules.

- NWP QA Independent Assessment Subject Master Table
- Approved Audit Schedule
- Audit Plan
- Assessment Checklist
- Audit Report
- Audit follow-up documentation
- Surveillance Report
- Surveillance follow-up documentation
- Independent Assessment Record File Completion Checklist
- Technical Specialist/Auditor Participation Indoctrination for Quality Assurance Audits

2.0 RESPONSIBILITIES

The Assurance Programs manager is responsible for:

- Implementation of this document.
- Ensuring that assessment personnel have sufficient authority and organizational freedom to carry out their assigned responsibilities.
- Approval of the assessment schedules.
- Qualification of lead auditors and QA Surveillors (surveillors) in accordance with WP 13-QA.04, *Quality Assurance Department Administrative Program*.
- Assignment of assessment team leaders.
- Concurrence with assessment team selection.
- Assignment of surveillors.

The lead assessor is responsible for:

- Selecting the assessment team.
- Identifying the need for technical assistance when performing assessments.
- Approving assessment checklists.
- Organizing and directing the assessment.
- Reporting the assessment results.

The surveillor is responsible for:

- Performing surveillances.
- Identifying the need for technical assistance when performing assessments.
- Organizing and directing the surveillance.
- Reporting the surveillance results.

3.0 DEFINITIONS

Corrected During the Assessment (CDA) – An isolated condition adverse to quality (CAQ) requiring only remedial action to correct and for which resolution can be verified through review of objective evidence prior to the exit meeting.

Finding – A condition, applicable to the program or process being audited, that deviates from specified requirements defined by codes, standards, or other established specifications (a clear violation of a clear requirement).

Observation – A condition that, if left unattended, could become a deviation from established acceptance criteria; or a suggestion that, if enacted, could strengthen the existing program.

4.0 PREPARATION FOR ASSESSMENTS

4.1 QA Independent Assessment Identification

Waste Isolation Pilot Plant (WIPP) program elements or activities requiring independent assessment are found in:

- WP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description*
- DOE/CBFO 94-1012, *U.S. Department of Energy Carlsbad Field Office Quality Assurance Program Document*
- Hazardous Waste Facility Permit NM4890139088-TSDF

Additional programs, processes, or activities important to compliance application, nuclear safety, waste characterization, or the isolation of waste within the disposal system require independent assessments to verify adequate and effective performance. These programs are found in:

- Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2000-2, Configuration Management Vital Safety Systems
- DOE/WIPP-04-3310, *WIPP Environmental Policy Statement*

- DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis*
- DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements*
- EFCOG Contractor Guide For Performance of Effectiveness Reviews
- NWP procedures that prescribe assessments

Activities which affect the following require independent assessments, in accordance with the contractor assurance system established by U.S. Department of Energy (DOE) Order 226.1B, Implementation of Department of Energy Oversight Policy:

- Environment, safety, and health (e.g., protection of the environment, workers, and the public from damage or injury)
- Safeguards and security
- Emergency management
- Cyber security

Independent assessments performed in accordance with the contractor assurance system include evaluations of compliance with the following, as applicable:

- Laws
- Regulations
- National standards
- DOE directives
- DOE-approved plans and program documents (e.g., authorization basis documents and QA program)
- Site-specific procedures/manuals
- Criteria review and approach documents
- Contractual performance objectives, and other contractually mandated requirements

The scope and frequency of audits scheduled and performed in accordance with the contractor assurance system must ensure that:

- Assessments required by applicable DOE directives, including environment, safety, and health, safeguards and security, emergency management, and cyber security, are being performed;

- The effectiveness of safety management programs, including programs that are credited in the safety basis, is being assessed adequately;

- Deficiencies are being self-identified; and

- Corrective actions are being taken in a timely and effective manner.

Supplier audits are based on requests for new suppliers to be added to the NWP QSL; those suppliers currently on the QSL which are due for reevaluation, or have their authorized scope changed; and suppliers providing products or services under Title 10 *Code of Federal Regulations* (CFR) Part 71, that require a facility audit every three years. These requests and reevaluations are processed in accordance with WP 13-QA3012, *Supplier Evaluation/Qualification*.

The Assurance Programs manager or assigned cognizant individual will:

- Review WIPP requirements documents and identify needs for independent assessments based on both written requirements for independent assessments and other programs or processes that affect safety, storage of waste, or the environment, the importance of which necessitates assurance of compliance.

- Upon notification from a QA procurement reviewer or a NWP Contracting Officer that a project is scheduled to begin or is ongoing, evaluate the need for initial and follow-on independent assessments based on this section 4.0.

- Review the potential assessment to be added using the criteria in the Assessment Priority Determination Tables (provided in attachment 1). Document a decision for either an audit or a surveillance on the NWP QA Independent Assessment Subject Master Table (example provided in attachment 2). This table is controlled by Assurance Programs and each revision, with date, is a record. A copy is located on the network in WQNRA on the Torreon server, under the folder "Assessment Planning," subfolder "Assessment Subject Master Table."

- Determine a frequency at which the assessment should be performed. If established by the requirement, that frequency is to be used. If not established by requirement, determine an adequate frequency based on relative risk, hazards, and complexity of the processes and activities to be evaluated. Also consider the scope and coverage of previous oversight activities, and historical performance. Document the frequency on the NWP QA Independent Assessment Subject Master Table.

4.2 QA Independent Assessment Scheduling

Assessments will be scheduled to begin as early in the life of a project or activity as practicable, and will continue at intervals consistent with the schedule for accomplishing the work.

The Assurance Programs manager or assigned cognizant individual will:

- Evaluate the timing of the first, or next, occurrence for the assessment to be scheduled against all current or planned assessments. Consider resources, date required, time available, known regulatory oversight preparedness needs, associated historical issues, and client expectations, then schedule the assessment to best accommodate the need.

- Document external (supplier) audits on the NWP QA Fiscal Year External Audit Schedule (example supplied in attachment 3), completing all necessary fields as applicable. Suppliers of parts and materials, and services regulated by 10 CFR 71, Subpart H, will require the performance of a site audit on a triennial basis. (Reg. Guide 7.10, section 18.2)

- Document internal audits on the NWP QA Fiscal Year Internal Audit Schedule (example supplied in attachment 3), completing all necessary fields as applicable.

- Develop additional informal schedule tools to track assessments, as necessary.

The Assurance Programs manager will:

- Review and approve internal and external audit schedules and revisions.

- Revise or update QA assessment schedules, as applicable, to reflect current needs.

- Approve any extensions or cancellations to the audit schedules prior to deviating from the approved schedule and notate the rationale on the next revision of the schedule.

- Distribute assessment schedules to the Carlsbad Field Office (CBFO), affected NWP management, applicable assessment personnel, and the assessment file.

4.3 QA Independent Assessment Planning

Assessments include audits and surveillances. Direction regarding assessments applies to both audits and surveillances. The term "assessor" denotes the person performing either the audit or surveillance, as appropriate. Any direction specific to either audits or surveillances is indicated where applicable.

The Assurance Programs manager will:

- Direct an assessment coordinator to maintain the Independent Assessment schedule and tracking documents. The log (see example in attachment 9) will be used to issue assessment numbers, and collect certain information regarding the assessments. The schedules (example, see attachment 3) contain certain deliverable information.

- Assign a qualified lead auditor to lead/perform audits. Determine if an audit team is necessary due to size or complexity of the scope.

- Assign a qualified surveillor or qualified lead auditor to perform surveillances.

The assessment coordinator will:

- Develop and maintain an independent assessment log for systematically issuing unique numbers to assessments performed by NWP QA. The log is to contain, at a minimum, the assessment number, assessment subject or manufacturer, date performed, assessor identification, and status.

- Develop and maintain schedules that contain the anticipated assessments for a specific time frame. The anticipated assessments are identified in the NWP QA Independent Assessment Subject Master Table with their respective performance frequencies. As the assessments are performed, collect applicable information and enter into the appropriate document.

- Prepare copies of the schedules for record or contract deliverable purposes, as necessary.

The lead auditor/surveillor will:

- Obtain from the assessment coordinator an audit or surveillance number that denotes the type of assessment ("I" or "E" for internal or external audit, or "S" for surveillance, the fiscal year, and a sequential number beginning with 01 (e.g., I06-01, E06-01, S06-01).

- Contact the cognizant individual for internal audits/surveillances or the supplier for external audits/surveillances to determine any safety/security issues and precautions of which the team should be aware. This includes Personal Protective Equipment (PPE), badging, logistics information, etc. Document the safety/security issues and precautions in the audit plan.

- Select an assessment team, if a team is needed, based on the scope, complexity, or special nature of the work being assessed, technical qualifications, knowledge of the items and activities being assessed, availability, experience, and the prospective assessor's ability to provide an objective contribution.

- Ensure the following, as applicable:

  — Personnel having direct responsibility for performing the activities being assessed shall not be involved in the selection of the team. Team members shall have the authority to carry out their assigned responsibilities and be independent from the items and/or processes being assessed. Assessors shall be authorized in accordance with WP 13-QA.04, and/or perform under the supervision of a lead auditor.

  — During assessments, technical specialists shall be used when evaluating the adequacy of technical processes. Technical specialists will be indoctrinated by the lead assessor commensurate with the scope, complexity, or special nature of the work being assessed, and of the assessments process associated with their duties. This indoctrination will be documented using a format similar to that defined in attachment 10. Attachment 10 may also be used to indoctrinate other assessors from the assessment group, at the discretion of the lead assessor.

  — External peers or subject matter experts may be used as necessary to support assessment activities.

- Ensure that the team members collectively have appropriate training and experience commensurate with the scope of the assessment.

- Indoctrinate the audit team to the audit process, as needed, and their associated tasks before the audit. Include a review of potential hazards and plan accordingly for proper PPE, ALARA (as low as reasonably achievable), and additional controls deemed necessary. Document the indoctrination using a format similar to that defined in attachment 10.

- Prepare the audit plan, for both internal audits and external supplier audits, using guidance in attachment 4, and obtain QA management approval. The audit plan will include purpose, scope (including the work to be assessed and related corrective actions since previous assessments), requirements, audit personnel, organizations to be notified, applicable documents, written procedures to be used, schedule, safety/security issues and precautions, and background. Background should include previous findings, Corrective Action Requests, and weaknesses noted within the intended scope. For external supplier assessments, obtain supplier history from the QSL file or Coordinator.

- Review, with team members, any plan generated, pertinent background information that includes previous audit or oversight results, applicable procedures, and applicable technical documents so that team members are familiar with the work being assessed.

- If the assessment is external, notify the affected organization or company management by correspondence of the scheduled assessment, identifying the scope of the assessment. The notification need not include the audit checklist.

- Determine, with QA management, when internal surveillances are to be formally announced prior to performance. In such cases, notify the organization to be surveilled by correspondence of the surveillance, its scope, and schedule.

Assessor(s) will:

- Refer to the NWP QA Independent Assessment Subject Master Table for identification of requirements documents from which assessment criteria should be developed.

- Develop the criteria to be used during the assessment based on approved requirements; will also consider the following when developing criteria:

  — For internal assessments, include criteria, as applicable, to assess application of Integrated Safety Management (ISM) in accordance with Management Policy MP 1.28, *Integrated Safety Management*, and WP 15-GM.03, *Integrated Safety Management System Description*. The Safety Management Responsibilities section of the latter document provides a source from which criteria can be generated. For internal assessments, the intention is to review the ISM controls in evidence or exhibited in the activity being assessed. For external assessments, ISM controls may be considered regarding the hazards that the assessor could encounter (e.g., anticipated hazards mitigated by adequate PPE).

  — Although Graded Approach is assessed separately, consider possible criteria in accordance with WP 09-CN3005, *Graded Approach to Application of QA Controls*.

  — Consider Conduct of Operations criteria applicable to the activity being assessed.

  — Consider environmental controls or environmental response to unusual occurrences applicable to the activity being assessed.

  — Consider software controls applicable to the activity being assessed.

- When assessing a WIPP Vital Safety System (VSS), develop criteria from the following:

  — Applicable portion of WP 09-CN3025, Annual System Health/Walkdown/Requalification, Attachment 1, Assessment Boundary for Vital Safety System Definitions

— General for VSS assessments - Timely closure of modifications, Cognizant Engineer walkdowns, periodic maintenance performed as required in SDDs, maintenance performed in accordance with manufacturer recommendations, combustible materials in the disposal circuit in the underground, software QA

- For an audit, develop the audit checklist(s) under the direction of the lead auditor using the guidance in attachment 5. Checklist line items are generally written as directions to verify conformance of the activity being evaluated with established requirements, or as questions whether or not the activity being evaluated conforms with the requirement.

- For a surveillance, the criteria may be identified briefly on the Surveillance Report or on a detailed checklist to be filed with the assessment. Examples of brief criteria include, "observe actions based on steps XX through and including YY," or "observe waste hoist lifting activity for adherence to Procedure XXX, Revision Y, Section ZZ," or "review 15 WIPP Forms for adequacy, completeness, and implementation of corrective actions," etc. Criteria typically are found in QA manuals and program plans, procedures, previous assessments and corrective action documents, and contract requirements.

- For Effectiveness Reviews of completed corrective actions for 'significant' WIPP Forms, P-A externally-reportable issues, etc., develop criteria considering the following:

  — Effectiveness reviews are performed to verify the effectiveness of corrective actions that have been implemented to prevent the recurrence of significant issues.

  — Effectiveness is measured by a significant change in one or more of these four measures:

    1. The probability of the original event recurring

    2. The frequency of the problem recurring

    3. Reduction in the magnitude or severity of the problem

    4. Elimination of the original problem

5.0 ASSESSMENT PERFORMANCE

The lead auditor/surveillor will:

- For audits and external surveillances (optional for internal surveillances), conduct an entrance meeting with the assessment team and appropriate personnel representing the assessed organization(s). The entrance meeting is intended to introduce the assessors, explain the purpose, scope, and schedule for the assessment, and establish interfaces and contacts with the organization being assessed.

- For Effectiveness Reviews of completed corrective actions for 'significant' WIPP Forms, P-A externally reportable issues, etc., perform the assessment using one or more of the following methods. The method selected should be appropriate for the specific corrective/preventive actions. The direct observation method is the method of preference, but other methods should also be applied, as necessary.

  — Observe the work or performance of an evolution.

  — Conduct facility inspections or activity monitoring.

  — Utilize past performance indicators to track any ongoing recurrences.

  — Review databases or similar problems.

  — Run a test to challenge the system or process (if applicable).

  — Run a mock item through the process, or complete a performance test (if applicable).

  — Perform a walkthrough of the work, process, or evolution.

  — Interview impacted managers and workers on their understanding of, and involvement with, the implemented corrective actions.

  — Review a documented, previously completed equivalent evaluation of the original problem prior to initiating the effectiveness review.

The assessment team will:

- Evaluate the applicable quality program element(s) by examining objective evidence, observing activities in progress, examining items (including components, specimens, and machinery, etc.), and/or interviewing personnel responsible for the activity. Include technical evaluations of the applicable procedures, instructions, activities, and items, as appropriate. Objective evidence related to the planning and technical aspects of the work performance is to be examined to the depth necessary to determine if these elements are being implemented effectively.

- Review previous corrective actions, as applicable, to evaluate implementation and effectiveness when recurring problems are found.

- Observe, to the extent possible, actual operations to verify conformance to requirements.

- Record the results of the evaluations performed on the assessment checklist or surveillance report, as applicable.

- Record, on the assessment checklist or surveillance report, as applicable, objective evidence examined, including all documents reviewed, with sufficient detail so that any conditions or practices may be noted in the report with adequate detail. Include, as applicable, document number, title, and revision.

- Record, on the assessment checklist or surveillance report, as applicable, the results of observations of processes or items, including the quantity of items examined to indicate the size or breadth of the examination. Identify the items, where possible.

- Record, on the assessment checklist or surveillance report, as applicable, the names of personnel interviewed.

- Inform the lead auditor/surveillor of progress and/or problems with assigned tasks periodically during the assessment.

- Notify immediately the lead auditor/surveillor if conditions are identified during an internal audit or surveillance that qualify as an event or potentially reportable occurrence under the requirements of 10 CFR Part 21, 10 CFR Part 71, WP 12-ES3918, *Reporting Occurrences in Accordance with DOE Order 232.2*, etc.

- Notify immediately the lead auditor/surveillor if conditions are identified that are believed to be unsafe. If an internal assessment condition requires immediate work stoppage, proceed as directed in MP 1.2, *Stop-Work Policy*. During external assessments, notify the supplier management, or their designated point-of-contact.

- Acknowledge and track any CDAs. Verify that the actions completed correct the condition. Document CDAs on a WIPP Form, in accordance with WP 04-IM1000, for trending.

The lead auditor/surveillor will:

- Notify QA management and the management of the assessed organization as soon as practicable if conditions are discovered that could have a significant adverse impact on prior work or affect work in progress, or if conditions require prompt attention. If conditions require immediate attention as defined in WP 12-ES3918 or MP 1.2, perform action as directed by the appropriate document.

- Notify the management of the assessed organization as soon as practicable of any issues identified, to assure accuracy, and allow opportunity for resolution during the assessment.

- Notify Packaging Manager of issues that affect nuclear packaging (TRUPACTs, HalfPACTs, etc.) or are otherwise potentially reportable to the U.S. Nuclear Regulatory Commission (NRC), to allow them to screen for reportability under 10 CFR Part 21 or 10 CFR Part 71, etc.

- For audits and external surveillances, conduct an exit meeting with appropriate personnel representing the assessed organization(s). The exit meeting is intended to provide a general overview of the evaluation of the program element and any issues requiring attention.

6.0 ASSESSMENT REPORTING

The reporting of the assessment, if performed as an audit or external surveillance, will follow the guidance provided in attachment 6; and, if performed as an internal surveillance, will use the example provided in attachment 8.

Assessments that involve sensitive (e.g., permit- or personnel-related) information are to be coordinated through the NWP Legal Counsel. The lead auditor/surveillor and QA management will determine the necessary reviewers (i.e., NWP Legal Counsel, etc.) for proper processing of such assessment information.

The lead auditor/surveillor/manager will:

- Prepare the assessment report with the assistance, as necessary, of the assessment team, and sign the report.

- Ensure that the assessment report includes the following, as appropriate:

  — Assessment purpose and scope (surveillances to include criteria used)

  — Identification of assessors

— Identification of personnel contacted

— Identification of documents reviewed, including revision indicator

— Summary statement(s) indicating program (or program element) adequacy, implementation, effectiveness (applicable to scope), and a brief statement of ISM evaluations performed

— Commendable practices or situations (if any are identified)

— Findings (conditions adverse to quality, if any are identified) – Enter internal (NWP) conditions adverse to quality into the Issues Management System using the WIPP form in accordance with WP 04-IM1000. Identify findings in the report as directed in attachments 6 and 8. Concisely describe in the report (and on the WIPP Form for internal findings) the specific condition that deviates from the requirements, with sufficient detail to enable remedial actions to be taken by the audited organization, and subsequent closure by QA. Clearly quote or state the requirement from which the deviation was noted. Group findings of a common nature together whenever possible so that systematic breakdowns can be identified. Evaluate findings based on the relative importance to indicate the degree of impact on compliance application, waste characterization, repository performance assessment, waste isolation, waste transportation, nuclear safety, environmental protection, or management and operation of the WIPP facility.

— Observations (if any are identified) - Concisely state either the condition observed that, if left unaddressed, could deteriorate into a finding, or the suggestion that could strengthen the existing program or process.

— Corrected During Assessment (CDA) - Concisely describe the CAQ found, the requirement from which the condition deviated, and the action(s) taken to resolve the condition. Document CDAs on a WIPP Form, in accordance with WP 04-IM1000, for trending.

— Include the following statement in external supplier audit reports:

(Name of Company) will be (select "retained on," "added to," "added to pending successful resolution of finding," or "removed from") the NWP QSL for (state the scope or limitations of products or services authorized).

— Include the following statement in audit reports for suppliers currently on the NWP QSL:

If the agreements and commitments contained herein are deemed by the supplier to involve a change in the order concerning work scope, price, or schedule, it is agreed that such work will not commence or continue until authorized by a written change notice. It is understood that if the supplier commences such work without a written change notice, it is at the supplier's risk.

- Using cover correspondence, issue the assessment report to all affected entities within 45 calendar days of conclusion of the audit. The 45 calendar day time limit may be extended at the discretion of the Assurance Programs manager.

  — Cognizant department manager (all reports)

  — Compliance Coordinator (all reports)

  — CTS Coordinator (external reports containing findings)

  — Facility point-of-contact (external reports)

  — QSL Coordinator (external qualification or requalification audits)

  — Packaging Manager (reports affecting packaging)

  — Assessment Coordinator (all reports)

  — Lessons Learned Coordinator (reports containing findings determined by the lead auditor/surveillor/management to be potential Lessons Learned issues)

  — QA assessment file for this assessment

  — Others as designated by QA management

Because internal findings are transferred to WIPP Forms, internal reports are considered closed at the time of issue. For external audit reports, include direction to the supplier for responding to any findings.

- Document CDAs on a WIPP Form, in accordance with WP 04-IM1000, for trending.

- For external supplier qualification audits, complete the Supplier Evaluation/QSL Update Request Form in accordance with WP 13-QA3012, and forward to the QSL Coordinator.

  It is recommended to electronically file a copy of the completed checklist and the report in the applicable assessment folder within "Assessment Reports" in the shared folder WQNRA on the Torreon server.

7.0 ASSESSMENT RESPONSE

The cognizant manager of the assessed WIPP organization will review the assessment (audit or surveillance) results assigned to their organization on the WIPP Form, and respond using the Issues Management (WIPP Form) process in accordance with WP 04-IM1000.

The facility contact (for external assessments) is expected to respond as directed in the issuing cover letter and report. Any request for extension of corrective action due date shall be reviewed by the Assurance Programs Manager or designee.

8.0 ASSESSMENT FOLLOW-UP

In accordance with WP 04-IM1000, the WIPP Form screening committee will assign the lead auditor/surveillor as a technical reviewer of actions/corrective action plans developed in response to a WIPP Form issued as the result of an internal audit/surveillance finding. As a technical reviewer, the lead auditor/surveillor/manager will be responsible for determining the long-term effectiveness of the corrective actions, and will be expected to sign the Corrective Action Plan, so indicating, in accordance with WP 04-IM1000. Issues that cannot be resolved will be referred to management.

For external supplier audit or surveillance findings and the resulting supplier's committed actions, the lead auditor/surveillor/manager will review the supplier's actions, and report completion based on the supplier's approved commitment(s).

9.0 ASSESSMENT CLOSURE AND FILING

The lead auditor/surveillor/manager will:

- For external supplier audits or surveillances with findings, verify that the corrective actions were completed as committed, issue a closure letter to the supplier and any other affected organizations, and ensure that copies are distributed to the QSL Coordinator (if applicable) and the Compliance Coordinator.

- Review, using the file checklist (attachment 7), the assessment file for completeness: purge working documents, sign the checklist, notify the assessment coordinator, and forward the complete file to the QA file. The assessment file is to include:

  — Audit Plan (for audits)

  — Completed Assessment Checklist (required for audits, or when used for surveillances)

  — Completed Assessment Report (including identification of documents reviewed and personnel contacted)

  — Assessment response (for external assessments)

  — Corrective Action completion, follow-up, and verification (for external assessments)

  — Other documentation determined to be necessary to support the assessment (closure correspondence, etc.)

REFERENCES	
DOCUMENT NUMBER AND TITLE	KEY STEP
10 CFR Part 21, "Reporting of Defects and Noncompliance"	
10 CFR Part 71, "Packaging and Transportation of Radioactive Material"	
Reg. Guide 7.10, *Establishing Quality Assurance Programs for Packaging Used in Transport of Radioactive Material (NRC)*	
DNFSB Recommendation 2000-2, *Configuration Management Vital Safety Systems*	
DOE O 226.1B, *Implementation of Department of Energy Oversight Policy*	
Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, Permit #NM4890139088 TSDF, Issued by New Mexico Environment Department	
DOE/CBFO 94-1012, *Carlsbad Field Office Quality Assurance Program Document*	
DOE/WIPP 04-3310, *WIPP Environmental Policy Statement*	
DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis*	
DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements*	
EFCOG Contractor Guide for Performance of Effectiveness Reviews	
MP 1.2, *Stop-Work Policy*	
MP 1.28, *Integrated Safety Management*	
WP 04-IM1000, *Issues Management Processing of WIPP Forms*	
WP 09-CN3005, *Graded Approach to Application of QA Controls*	
WP 09-CN3025, *Annual System Health/Walkdown/Requalification*	
WP 09-CN3040, *Commercial Grade Item Dedication*	
WP 12-ES3918, *Reporting Occurrences in Accordance with DOE Order 232.2*	
WP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description*	**1**
WP 13-QA.04, *Quality Assurance Department Administrative Program*	
WP 13-QA3012, *Supplier Evaluation/Qualification*	
WP 15-GM.03, *Integrated Safety Management System Description*	

Attachment 1 – NWP QA Internal Assessment Priority Determination Tables

Determine whether the assessment will be performed as an audit or surveillance using the tables below:

- Review the assessment to be performed against the criteria in the Risk and Hazard Table to determine a numeric value.
- Review the assessment also against the criteria in the Importance and Complexity Table to determine a numeric value.
- Multiply the two numeric values.
- Use the Assessment Priority Table and the number derived from the previous bullet to determine the priority of the assessment to be performed and schedule the type of assessment indicated.

Risk and Hazard Table	
Description	Probability and Consequence Level
If not performed, improbable undetected impact on environment safety, health, safeguards and security, emergency management, cyber security, or QA	1
If not performed, possible minor undetected impact on environment, safety, health, safeguards, and security, emergency management, cyber security, or QA	2
If not performed, possible major undetected impact on environment, safety, health, safeguards, and security, emergency management, cyber security, or unknown status of QA program, or possible continuation of negative trend or repetitive nonconformance	3

Importance and Complexity Table	
Description	Importance and Complexity Level
Necessary to verify actions in document other than a requirement-source or implementing procedure	1
Necessary to verify an action required by an implementing procedure	2
Necessary to complete an assessment required by an implementing procedure	3
Necessary to complete an assessment required by an implementing procedure, and complex in nature	4
Necessary to complete a specific program assessment requirement, or commitment (both non-complex and complex in nature)	4

Attachment 1 – NWP QA Internal Assessment Priority Determination Tables

Assessment Priority Table		
Derived Numeric Value	Priority	Action
1-4	Low	Schedule Surveillance
5-8	Medium	Schedule Surveillance or Audit
9-12	High	Schedule Audit

Attachment 2 – Example of NWP QA Internal Assessment Subject Master Table

NWP QA INDEPENDENT ASSESSMENT SUBJECT MASTER TABLE Revision XX mm/dd/yy							
Area of Interest	**Source/Reference**	**Risk/Hazard**	**Complexity**	**Priority**	**Audit**	**Surv**	**Frequency**
Management System NWP Organization Facility Ops Chain of Command QA Organization	Source WP 13-1, R.27, §1.1 Reference DSA/TSR 10 CFR 71 Subpart H	3	4	12	**X**		Biennial (frequency not specified in 830.122, NQA-1, WP 13-1, R.27, or WP 13-QA.03)
Personnel Qualification and Training **Facility Staff Qualifications Training** **Qualified Operators**	Source WP 13-1, R.27, §1.2 Reference DSA/TSR 10 CFR 71 Subpart H DSA/TSR	3	4	12	**X**		Biennial

Attachment 3 – Example of QA Fiscal Year External and Internal Audit Schedules

NWP QUALITY ASSURANCE
FISCAL YEAR 2007 EXTERNAL AUDIT SCHEDULE

Supplier/Location Audit	Product/Service	Lead Auditor	Audit Number	Remarks
ACME Manufacturing 123 Any Street Anywhere, NM	Pipe, flanges, fittings	Lead Auditor Name	E07-01	Completed October 2006
Jones Cal Services 456 Busy Highway Big City, NM	Calibration Services	Lead Auditor Name		Scheduled January 2008

Page 1 of XX

Signatures on last printed page: Manager, Assurance Programs, and Manager, Quality Assurance

NWP QUALITY ASSURANCE
FISCAL YEAR 2007 INTERNAL AUDIT SCHEDULE

Audit Title and Audit Criteria	Scheduled	Lead Auditor (when determined)	Audit Number (when determined)	Status
Personnel Qualification	March 2007			

Page 1 of XX

Signatures on last printed page: Manager, Assurance Programs, and Manager, Quality Assurance

Attachment 4 – Audit Plan Guidance

NUCLEAR WASTE PARTNERSHIP LLC
QUALITY ASSURANCE AUDIT PLAN
Title of audit (subject)

Audit number

Audited organization(s) (and location if supplier audit)

1. Purpose and Scope of the audit

2. Applicable Requirements Documents
   WP 13-1, *NWP Quality Assurance Program Description*
   (Any others, including regulatory documents containing requirements)

3. Procedure(s) to be used to perform the audit
   WP 13-QA.03, *Quality Assurance Independent Assessment Program*

4. Hazards, Safety/security issues
   Precautions
   Badging, logistics information
   PPE (if any)

5. Audit Team
   Lead Auditor
   Team Auditors (if any)
   Technical Expertise (if any)
   Anticipated Observers (if any)

6. Schedule
   Pre-Audit Meeting
   Audit Activities
   Post-Audit Meeting

7. Background
   Previously reported findings (if any)
   Previous corrective action issues (if any)
   Previously reported weaknesses (if any)

8. Signatures:

Prepared by: _____ Approved by: _____
(Printed Name) (Printed Name)
Lead Auditor Manager, Assurance Programs

Attachment 5 – Example of NWP Quality Assurance Assessment Checklist

(The following table is shown on first page only, followed by the second table as space allows.)

NWP Quality Assurance Assessment Checklist	
Organization Assessed: _____	Assessment Number: _____
Requirements Documents: _____	Dates of Assessment: _____
Assessor(s): _____	**Key: S=Satis., U=Unsat., N=N/A**

(The top row of the following table is a header to be shown on each page to which this table expands with usage.)

Item	[Type in Assessment # here] Assessment Item	Reference Document(s)	**Key**	Assessor Comments
	(Add rows as needed)			

(The following signature line is shown on the last page only, following the end of the above table.)

Approved by: _____ _____
Lead Auditor/Surveillor (print name and sign) Date:

Notes: Refer to the NWP QA Independent Assessment Subject Master Table for identification of requirements documents from which assessment criteria should be developed.
Review any corrective actions committed as a result of the previous assessment; develop criteria to evaluate their effectiveness.
Develop criteria that evaluate a broad range of the requirements with enough detail to be meaningful in verifying compliance and effectiveness.
Develop criteria to evaluate effectiveness of Graded Approach and the ISM system.

Attachment 6 – Audit Report Guidance

Nuclear Waste Partnership LLC
Quality Assurance (select either **Internal** or **External**) **Audit Report**
[Descriptive, yet concise **title** - if external, provide company and address]
[**Audit Number**]

I. Executive Summary: Concise summary (generally one page or less), written in paragraph format including brief mention of organization audited (include location for external supplier) and audit date, abbreviated purpose and scope, results in general terms, conclusion of program adequacy (including ISM), any commendable situations noted, and any major issues requiring further action.

II. Audit Details

Purpose and Scope (more detailed than the Executive Summary)
Criteria used (identify or make reference to checklist, and specifically address ISM)
Audit Team
Inclusive dates of audit
Location(s) of audit
Conclusion(s) regarding compliance, effectiveness, and ISM evaluations performed.
Include a statement addressing the number of findings, observations, and/or "CDAs."
An acceptable method would be, "The assessment resulted in 2 Findings, 0 Observations, and 3 issues closed during the assessment."
Commendable practices or activities (if applicable)

[Include the following statement, as applicable, in assessment reports containing findings.]

Response to Findings (external supplier audits only) - When responding to audit findings, the following elements are required to be addressed:

- Cause of nonconformance
- Interim actions planned to correct the nonconformance
- Evaluation of the extent of the condition beyond that cited in the report
- Actions planned to prevent recurrence
- Schedule of implementation/completion

Findings (are to be numbered as [audit no.]-F-[sequential number beginning with 01], and internal findings are to also cross-reference to the WIPP Form Number. Example – "S04-027-F-01 issued as WF04-120")

- Condition noted
- Requirement not met

Observations (numbered as [assessment no.]-O-[sequential number beginning with 01])

- Condition (noted, or considered to be an improvement)

Attachment 6 – Audit Report Guidance

Conditions corrected during the assessment (numbered as [assessment no.]-CDA-[sequential number beginning with 01])

- Condition noted
- Requirement from which condition deviated
- Action taken, and verification of completion

[Include the following statements in external supplier audit reports]

[Name of company] will be [select "retained on," "added to," "added to, pending successful resolution of findings," or "removed from"] the NWP Qualified Suppliers List for [state the scope or limitations of products or services authorized].

If the agreements and commitments contained herein are deemed by the supplier to involve a change in the order concerning work scope, price, or schedule, it is agreed that such work will not commence until authorized by a written change notice. It is understood that if the supplier commences such work without a written change notice, it is at the supplier's expense.

III. Attachments:

1. Table of Personnel Contacted
2. Table of Documents Reviewed
3. (Any other information deemed appropriate for attachment)

IV. Signatures:

Prepared by: _____ _____
(Printed Name) Date

Approved by: _____ _____
(Printed Name) Date
Manager, Assurance Programs

Attachment 6 – Audit Report Guidance

Attachment 1 Table of Personnel Contacted

[A] Attended Audit Entrance Meeting
[B] Contacted During the Audit
[C] Attended Audit Exit Meeting

Personnel Contacted	A	B	C
(Added rows as needed)			

Attachment 2 Table of Documents Reviewed

Document Identification	Document Title or Description
(Add rows as needed)	

Attachment 7 – Example of Independent Assessment Record File Completion Checklist

INDEPENDENT ASSESSMENT RECORD FILE COMPLETION CHECKLIST

Assessment No. _____

	Complete
Audit Team/Technical Specialist Indoctrination	☐
Assessment Plan (required for audit, optional for surveillance)	☐
Assessment report	☐
Assessment response (if external assessment contained findings)	☐
Assessment Checklist (required for audit)	☐
Closure letter (if external assessment contained findings)	☐
Other	
_____	☐
_____	☐
_____	☐
_____	☐

I have reviewed the above listed records and verified their completeness and legibility.

_____

Lead Auditor/Surveillor Signature Date

Attachment 8 – Example of Surveillance Report

Nuclear Waste Partnership LLC Quality Assurance **(make this a header row)** **Surveillance Report Number:** **Date:**	
Subject	Organization(s) Surveilled
Scope Surveillor(s)	
Requirement References (include revision no.)	
Surveillance Criteria [ ] Checklist on file in QA	
Personnel Contacted (* indicates persons to whom a copy of this report is to be distributed)	
Documents reviewed [ ] See attachment	
Details/Results/Conclusions [ ] WIPP Form(s) identified in Findings	
[Print and Sign] Date Lead Auditor/Surveillor	[Print and Sign] Date Manager, Assurance Programs
cc: Manager of assessed organization, WIPP Form Coordinator (if containing findings), Compliance Coordinator, Assessment Coordinator, CTS Coordinator (if containing findings), Packaging Manager (if containing packaging issues)	
Page 1 of (total)	

Make the top row a header to appear on every page.
Insert pagination (page X of Y) at the bottom center

Attachment 9 – Example of NWP QA Independent Assessment Log

NWP QUALITY ASSURANCE
INDEPENDENT ASSESSMENT LOG

Assessment Number	Subject/Manufacturer	Location	Date Performed	Lead Auditor/ Surveillor	Assessment Team	Results Findings/CDAs/ Observations	Status of External Findings
E05-06	Supplier X	Wichita, KS	5/10/2005	(Name)	(Names)	8 Findings 1 CDA 2 Obs.	All findings closed 5/10/05, QA:05-00287

Attachment 10 – Technical Specialist/Auditor Participation Indoctrination for Quality Assurance Audits Example

Technical Specialist/Auditor Participation Indoctrination
for Quality Assurance Audits
Audit XXX0XX
(Audit Title)

In preparation for participation as a Technical specialist/Auditor, this documentation serves as a record that the below listed individual has been indoctrinated per the requirements of the NWP QAPD, and procedure WP 13-QA.03.

Items discussed:

- Applicable portion of the NWP QAPD
- Applicable section of WP 13-QA.03, which includes audit checklist preparation and completion, documentation required during the audit process, and the audit report format.
- Applicable requirements documentation associated with this audit.
- Expectations of an Auditor.
- Potential hazards. Plan accordingly for proper PPE, ALARA, and additional controls deemed necessary, i.e., badging, logistics, etc.

Experience Background:

(Enter short biography for each specialist [auditor as desired] detailing previous experience and qualifications.)

Technical Specialist/Auditor:

Print Name	Signature

Lead Auditor:

Print Name	Signature

PROCESSES AND EQUIPMENT REVIEWED DURING AUDIT A-14-04

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
NEW PROCESSES OR EQUIPMENT				
	Visual Examination Procedures – CCP-TP-163 and CCP-TP-500 Description – Visual examination of records for remote-handled waste	Debris (S5000)	YES	YES
PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT				
The following were evaluated for recertification during CBFO Audit A-14-04				
1LCNDE	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-074 Description – Large Container Non-Destructive Examination (LCNDE) Unit – standard waste boxes (SWBs) and standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RR3	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-15, 55-gallon drums (PAD 4)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RR4	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-145 Description – RTR-4, 55-gallon drums and standard waste boxes (SWBs), standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
VISUAL	Visual Examination Procedure – CCP-TP-113 Description – VE QC check for RTR, VE in lieu of RTR, VET for retrievably stored waste	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Headspace Gas Sampling Procedure – CCP-TP-093 Description – CCP sampling of TRU waste containers using SUMMA® canisters	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	N/A

PROCESSES AND EQUIPMENT REVIEWED DURING AUDIT A-14-04

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Acceptable Knowledge (AK)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation and Verification (V&V)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	WIPP Waste Information System/Waste Data System (WWIS/WDS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
1	CCP-PO-001	CCP Transuranic Waste Characterization Quality Assurance Project Plan	20	21	21- Revised to clarify hierarchy of documents, adding Nuclear Waste Partnership (NWP) LLC, 13-1, *Quality Assurance Program Description*, also revised due to the Class 2 permit modification request (PMR) to the Waste Isolation Pilot Plant (WIPP) Permit, and made other administrative changes as needed.
2	CCP-PO-002	CCP Transuranic Waste Certification Plan	26	27	27 - Revised to incorporate Revision 7.3 and Revision 7.4 of DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, which incorporates the changes resulting for the Class 2 Permit modification entitled "Revised Waste Analysis Plan Waste Characterization Methods" which was approved by New Mexico Environment Department (NMED) on March 13, 2013, incorporate organizational changes to reflect the transition to Nuclear Waste Partnership (NWP), to clarify the hierarchy of quality assurance (QA) program documents, and minor editorial changes.
3	CCP-PO-004	CCP/SRS Interface Document	32	34	33 - Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					34 - Revised to add NP 13-1, *Nuclear Waste Partnership LLC Quality Assurance Program Description* to reference page and any references to gas generation testing (GGT) procedures.
4	CCP-PO-005	CCP Conduct of Operations	22	23	23 - Updated to reflect DOE Order 422.1 throughout. Added language in Sections 17.2 and 17.5 regarding pagination of printed Standing Orders and revised text regarding incorporating Standing Orders into procedures. Revised Section 17.5, and Attachments 5, 6, and 7 in response to CBFO CAR 13-006.
5	CCP-PO-024	CCP/INL Interface Document	14	14	14 - Revised to remove all instances of real-time radiography (RTR), to make changes referencing quality assurance (QA), and to incorporate the Class 2 permit modification approved by New Mexico Environment Department (NMED) on March 13, 2013.

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
6	CCP-PO-505	CCP Remote-Handled Transuranic Waste Authorized Methods for Payload Control (CCP RH-TRAMPAC)	1	2	2 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
7	CCP-QP-002	CCP Training and Qualification Plan	33	35	33 - As a corrective action in response to CBFO CAR 12-033, revised the document to remove references to Lead SPMs and Alternate SPMs, so that any qualified SPM may perform the actions in Section 3.1. 34 - Revised to incorporate Standing Order CCP-SO-086, *Clarification of the Time Period for Performance of the RTR Semiannual Training Container Required by CCP-QP-002*; incorporate changes to DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*; update the title of the organization, as appropriate; and minor editorial changes. 35 - Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and CAR-CCP-0003-13.

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
8	CCP-QP-005	CCP TRU Nonconforming Item Reporting and Control	22	22	22 - Revised to add definitions; to move 2.5.1 to 4.2.1 [F]; to clarify 4.4.15 and Attachment 1, 4.2.10, and Carlsbad Field Office (CBFO) notification in 4.3.1; to add new 4.9.3 to address removal of Hold Tags when voiding a Nonconformance Report (NCR); to incorporate freeze file changes; to modify Attachment 1; to correct some typos and editorial mistakes.
9	CCP-QP-008	CCP Records Management	20	21	21 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
10	CCP-QP-016	CCP Control of Measuring and Testing Equipment	17	18	18 - Revised to clarify actions of each entity defined in this procedure. Incorporate Corrective Action Plan (CAP) items from CAR-CCP-001-13-0. Added Section 4.9 for process of shipping M&TE to calibration lab.
11	CCP-QP-021	CCP Surveillance Program	7	9	8 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes. 9 - General revision: changed notes to action steps, rearranged action steps in chronological order, added definitions, deleted Surveillance Log Attachment Example, added action step for Surveillance Log detail, added Surveillance Checklist Example Attachment, updated titles, improved

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					Surveillance Report format, improved Surveillance Plan format, deleted CCP-QP- 029, *CCP Corrective Action Management,* and CARs, replaced CARs with WIPP Forms, renumbered sections and paragraphs more logically, replaced CCP-QP-002, *CCP Training and Qualification Plan,* with CCP-QP-040, *Support Training,* clarified when notification is required, deleted Surveillance Checklist from Records, made editorial corrections.
12	CCP-QP-028	CCP Records Filing, Inventorying, Scheduling, and Dispositioning	14	15	15 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
13	CCP-TP-001	CCP Project Level Data Validation and Verification	20	20	20 - Revised to remove references to P-TS. Also revised due to CAR-LANL-0005-12 and CBFO CAR 12-033.
14	CCP-TP-002	CCP Reconciliation of DQOs and Reporting Characterization Data	24	25	25 - Revised to include timeframe for transmitting the waste stream profile form package to records. Also revised to make editorial changes needed.
15	CCP-TP-003	CCP Data Analysis for S3000, S4000, and S5000 Characterization	18	19	19 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes. Obsolete
16	CCP-TP-005	CCP Acceptable Knowledge Documentation	24	24	24 - Revised to address comments from inspectors during U.S. Environmental Protection Agency (EPA)

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					Baseline Inspection EPA-SNL-CCP-RH-06.11-8 (June 6/8, 2011). Also revised to incorporated lessons learned from Carlsbad Field Office (CBFO) records surveillance.
17	CCP-TP-028	CCP Radiographic Test Drum and Training Container Construction	7	8	8 - Revised to include section 4.3 Reconfiguration of Previously Assembled Training Containers.
18	CCP-TP-030	CCP CH TRU Waste Certification and WWIS/WDS Data Entry	30	32	31- Revised to address CAR-CCP-0003-12 and various editorial changes. Also revised to better streamline the nonconformance report (NCR)/Corrective Action Report (CAR) quality assurance (QA) request. 32 - Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC) changes.
19	CCP-TP-033	CCP Shipping of CH TRU Waste	21	21	21 - Revised to incorporate action required by Waste Isolation Pilot Plan (WIPP) Form ACT 13-304-6.
20	CCP-TP-035	CCP Container Management	24	26	25 - Revised to incorporate elements of Central Characterization Program (CCP) Standing Order (SO) CCP-SO-096 Rev. 0 for the application of administrative hold on containers when applying a

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					Vendor Project Manager (VPM) HOLD indicator tag. 26 - Revised to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.
21	CCP-TP-053	CCP Standard Real –Time Radiography (RTR) Inspection Procedure	12	14	13 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes, to add software used, and other editorial changes. 14 - Revised to address Carlsbad Field Office (CBFO) CAR 13-034, CBFO CAR 13-051, and Central Characterization Program (CCP) CAR-SRS-0001-13.
22	CCP-TP-056	CCP HSG Performance Demonstration Plan	5	5	Obsolete
23	CCP-TP-066	CCP Radiography Screening Procedure for Prohibited Items	12	13	13 - Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.
24	CCP-TP-074	CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure	5	6	6 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
25	CCP-TP-075	CCP RTR #15 Operating Procedure	0	1	1 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes.
26	CCP-TP-082	CCP Waste Container Filter Vent Operation	8	9	9 - Revised to rearrange some steps to improve flow

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					and added a note to allow some steps to be performed in any order and incorporated editorial comments that were needed.
27	CCP-TP-087	CCP Scale Operations	6	6	6 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes and freeze file.
28	CCP-TP-093	CCP Sampling of TRU Waste Containers	16	17	17 - Revised to respond to CAR-12-040 to enhance the numbering of the Chain of Custody. Obsolete
29	CCP-TP-098	CCP Installation of the Nufil HSG Sample Port	3	3	Obsolete
30	CCP-TP-106	CCP Headspace Gas Sampling Batch Data Report Preparation	7	8	8 - Revised to incorporate freeze file. Obsolete
31	CCP-TP-113	CCP Standard Contact-Handled Waste Visual Examination	16	18	18 - Revised to address Carlsbad Field Office (CBFO) Corrective Action Report (CAR) 13-051.

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
32	CCP-TP-120	CCP Container Management	14	16	15 - Revised to require that the Vendor Project Manager (VPM) notify the Site Project Manager (SPM) when VPM Administrative Hold Indicators are being hung on containers in response to CAR-SRS-0002-12. 16 - Revised to incorporate the Class 2 permit modification approved by New Mexico Environment Department (NMED) on March 13, 2013.
33	CCP-TP-145	CCP RTR #4 Operating Procedure	3	4	4 - Revised to add Standing Order to the procedure, stream line, further clarify steps in the procedure, and correct verbiage throughout.
34	CCP-TP-162	CCP Random Selection of Containers for Solids and Headspace Gas Sampling and Analysis	1	2	2 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes and freeze file changes. Obsolete
35	CCP-TP-163	CCP Evaluation of Waste Packaging Records for Visual Examination of Records	3	4	4 - Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.
36	CCP-TP-175	CCP Analysis of Gas Samples for VOCs by GC/MS	3	3	Obsolete
37	CCP-TP-180	CCP Analytical Sample Management	2	3	3 - Revised to change to Central Characterization Program (CCP) format, removed laboratory quality

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					assurance (QA) officer steps, revised pre-receipt planning steps, simplified sample checkout and temperature monitoring instructions, updated laboratory name and references, updated example form in Appendix D, and made other editorial corrections. Obsolete
38	CCP-TP-500	CCP Remote-Handled Waste Visual Examination	11	13	12 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes. 13 - Revised to include the allowable closure methods Table 2.5-1 from the remote-handled (RH) transuranic (TRU) Payload Appendices.
39	CCP-TP-506	CCP Preparation of the Remote-Handled Transuranic Waste Acceptable Knowledge Characterization Reconciliation Report	2	3	3 - Revised to incorporate the Nuclear Waste Partnership (NWP) transition changes.
40	CCP-TP-509	CCP Remote-Handled Transuranic Container Tracking	3	4	4 - Revised to incorporate Nuclear Waste Partnership (NWP) transition changes, eliminate reference to CCP Data Center, and to implement the Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013.

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
41	CCP-TP-530	CCP RH TRU Waste Certification and WWIS/WDS Data Entry	10	11	11 - Revised to implement new Permit Modification Request Class 2 approved by New Mexico Environment Department (NMED) dated March 13, 2013 and *Contact-Handled Transuranic Waste Authorized Methods for Payload Control* (CH-TRAMPAC) changes.
42	WP13-QA.03	Quality Assurance Independent Assessment Program	22	22	22 - Added statement to Introduction that commercial grade surveys are performed in accordance with this procedure and WP 09-CN3040, *Commercial Grade Item Dedication*. -Added bullets in section 2.0 to delegate the responsibility for identifying the need for technical assistance when performing assessments to the lead assessor and surveillor. -Reworded lead auditor/surveillor actions to be consistent with QAPD language in section 4.3. -Added additional methods for performing effectiveness reviews in section 5.0. -Deleted requirement in section 5.0 to notify CBFO of deficiencies in DOE requirements (Original requirement was deleted in DOE O 226.1B).

PROCEDURE REVISION MATRIX

No.	Procedure Number	Procedure Title	Revision During Last Annual Audit	Revision During Current Annual Audit	Brief Description of Procedure Changes
					-Deleted note in section 6.0 about issuing WIPP Forms for assessment findings (this information is discussed elsewhere). -Changed P-A Coordinator to Compliance Coordinator throughout. -Added discussion item "Potential hazards" to attachment 10.